From: Jonna Mazet <[redacted]>
To: [redacted]
Sent: 4/13/2017 2:56:54 PM
Subject: Invitation to participate in virus risk ranking assessment

Dear Dr. Zhengli Shi,

We write today to solicit your expert opinion and request your participation in a short multidisciplinary process to assess spillover risk from newly detected viruses. As you may have heard, the USAID-supported PREDICT project (www.predict.global) has identified short sequences from nearly 1000 unique viral taxonomic units (by consensus PCR followed by sanger sequencing) from viral families known to have members that cause zoonotic diseases. These viruses have been detected in samples collected from animals in more than 20 countries in tropical regions considered to be hotspots for emerging zoonotic disease risk.

As a globally renowned scientist in the field of infectious diseases, we would like to incorporate your expert opinion into an evaluation of the relative impact that select host, environmental, and viral factors contribute to the risk of a new human viral spillover or epidemic event that might originate from novel or known viruses of animal origin. At this point, we are primarily interested in how much each parameter contributes to the overall risk of such an event occurring. The levels of severity within each of the parameters will be evaluated through a different process. We anticipate the time allocation to this exercise will be **10** to **20 minutes**.

The expert opinion you provide will be combined with that of other top experts in the field and is intended to contribute to a risk ranking module that will be distributed to and evaluated by the scientific community both through the peer-reviewed publication process and via an interactive web application. All contributions to this exercise are voluntary, and identifying information will not be published or be otherwise made available unless you let us know that it is acceptable/desirable to acknowledge you. We are only soliciting opinions from a select group of professionals with relevant expertise; therefore, we ask that the attached worksheet remain confidential and not to be shared with others.

Instructions:

1. Please open and save the worksheet with your initials in the title (i.e. RiskRankingPartipantWorksheet_ZG.xlsx)
2. Complete the 'Demographic Information' at the top of the spreadsheet
3. Answer all categories for 'CONTRIBUTION TO THE RISK OF A NEW HUMAN VIRAL SPILLOVER OR EPIDEMIC EVENT OF ANIMAL-ORIGIN' and 'LEVEL OF EXPERTISE' using provided dropdown options
4. Please return your completed worksheet to zlgrange@ucdavis.edu by **April 28th 2017.**

We sincerely hope that we can count on your important involvement in the process and that you will accept our gratitude for your time and contribution to scientific collaboration.

Sincerely,

Prof. Jonna Mazet

Global Director, PREDICT USAID
Professor of Disease Ecology and Epidemiology
One Health Institute
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Dr. Zoë Grange

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jkmazet@ucdavis.edu zlgrange@ucdavis.edu

	A	B	C	D
1	Under 18 years	Male	Virologist	Algeria
2	18 to 24 years	Female	Epidemiologist	Egypt
3	25 to 34 years	Other	Ecologist	Libya
4	35 to 44 years		Public Health	Morocco
5	45 to 54 years		Molecular biologist / Geneticist	Tunisia
6	55 to 64 years		Laboratorian	WesternSahara
7	Age 65 or older		Clinician	Angola
8			Environmental Scientist	Benin
9			Bioinformatician / Quantitative scientist	Botswana
10			Other - please describe	BurkinaFaso
11				Burundi
12				Cameroon
13				CapeVerde
14				CentralAfricanRepublic
15				Chad
16				Comoros
17				Congo
18				CongoTheDemocraticRepublicOfThe
19				CotedIvoire
20				Djibouti
21				EquatorialGuinea
22				Eritrea
23				Ethiopia
24				Gabon

	A	B	C	D
25				Gambia
26				Ghana
27				Guinea
28				GuineaBissau
29				Kenya
30				Lesotho
31				Liberia
32				Madagascar
33				Malawi
34				Mali
35				Mauritania
36				Mauritius
37				Mayotte
38				Mozambique
39				Namibia
40				Niger
41				Nigeria
42				Reunion
43				Rwanda
44				SaintHelenaAscensionandTristandaCunha
45				SaoTomeandPrincipe
46				Senegal
47				Seychelles
48				SierraLeone
49				Somalia
50				SouthAfrica
51				SouthSudan
52				Sudan
53				Swaziland
54				TanzaniaUnitedRepublicof
55				Togo
56				Uganda
57				Zambia
58				Zimbabwe

	A	B	C	D
59				BouvetIsland
60				FrenchSouthernTerritories
61				HeardIslandandMcDonaldIslands
62				SouthGeorgiaandSouthSandwichIslands
63				China
64				HongKong
65				Japan
66				KoreaDemocraticPeoplesRepublicOf
67				KoreaRepublicOf
68				Macao
69				Mongolia
70				TaiwanProvinceOfChina
71				Belarus
72				Moldova
73				RussianFederation
74				Ukraine
75				Afghanistan
76				Armenia
77				Azerbaijan
78				Bahrain
79				Cyprus
80				Georgia
81				IranIslamicRepublicOf
82				Iraq
83				Israel
84				Jordan
85				Kazakhstan
86				Kuwait

	A	B	C	D
87				Kyrgyzstan
88				Lebanon
89				Oman
90				Pakistan
91				PalestineStateOf
92				Qatar
93				SaudiArabia
94				SyrianArabRepublic
95				Tajikistan
96				Turkey
97				Turkmenistan
98				UnitedArabEmirates
99				Uzbekistan
100				Yemen
101				Bangladesh
102				Bhutan
103				BritishIndianOceanTerritory
104				BruneiDarussalam
105				Cambodia
106				DisputedTerritory
107				India
108				Indonesia
109				LaoPeoplesDemocraticRepublic
110				Malaysia
111				Maldives
112				Myanmar
113				Nepal
114				Philippines
115				Singapore
116				SriLanka
117				Thailand
118				TimorLeste

	A	B	C	D
119				VietNam
120				AlandIslands
121				Albania
122				Andorra
123				Austria
124				Belgium
125				BosniaAndHerzegovina
126				Bulgaria
127				Croatia
128				CzechRepublic
129				Denmark
130				Estonia
131				FaroeIslands
132				Finland
133				France
134				Germany
135				Gibraltar
136				Greece
137				Greenland
138				Guernsey
139				HolySeeVaticanCityState
140				Hungary
141				Iceland
142				Ireland
143				IsleofMan
144				Italy
145				Jersey
146				Latvia
147				Liechtenstein
148				Lithuania
149				Luxembourg
150				Macedonia
151				Malta
152				Monaco
153				Montenegro
154				Netherlands

	A	B	C	D
155				Norway
156				Poland
157				Portugal
158				Romania
159				SanMarino
160				Serbia
161				Slovakia
162				Slovenia
163				Spain
164				SvalbardAndJanMayen
165				Sweden
166				Switzerland
167				UnitedKingdom
168				CaribbeanIslands
169				Anguilla
170				AntiguaAndBarbuda
171				Aruba
172				Bahamas
173				Barbados
174				Bermuda
175				CaymanIslands
176				BonaireSintEustatiusAndSaba
177				Cuba
178				Dominica
179				Curacao
180				DominicanRepublic
181				Grenada
182				Guadeloupe
183				Haiti
184				Jamaica
185				Martinique
186				Montserrat
187				PuertoRico

	A	B	C	D
188				SaintBathelemy
189				SaintKittsAndNevis
190				SaintLucia
191				SaintMartinFrench
192				SaintVincentGrenadines
193				SintMaarten
194				TrinidadTobago
195				TurksCaicosIslands
196				VirginIslandsBritish
197				VirginIslandsUS
198				Belize
199				CostaRica
200				ElSalvador
201				Guatemala
202				Honduras
203				Mexico
204				Nicaragua
205				Panama
206				Canada
207				SaintPierreMiquelon
208				UnitedStates
209				AmericanSamoa
210				Australia
211				ChristmasIsland
212				CocosIslands
213				CookIslands
214				Fiji
215				FrenchPolynesia

	A	B	C	D
216				Guam
217				Kiribati
218				MarshallIslands
219				MicronesiaFederatedStatesOf
220				Nauru
221				NewCaledonia
222				NewZealand
223				Niue
224				NorfolkIsland
225				NorthernMarianaIslands
226				Palau
227				PapuaNewGuinea
228				Pitcairn
229				Samoa
230				SolomonIslands
231				Tokelau
232				Tonga
233				Tuvalu
234				UnitedStatesMinorOutlyingIslands
235				Vanuatu
236				WallisAndFutuna
237				Argentina
238				BoliviaPlurinationalStateOf
239				Brazil
240				Chile
241				Colombia
242				Ecuador
243				FalklandIslands

	A	B	C	D
244				FrenchGuiana
245				Guyana
246				Paraguay
247				Peru
248				Suriname
249				Uruguay
250				VenezuelaBolivarianRepublicOf
251				PalestinianTerritoryOccupied

	A	B
1		
2		**VIRAL RISK RANKING PARTICIPANT FORM**
3		
4		**Age**
5		**Gender**
6		**Country of Residence**
7		**Employer**
8		**Academic qualification(s) and subject**
9		**Primary field of expertise**
10		**Additional field of expertise**
11		**Number of years in primary field**
12		
13		***CATEGORY***
14		Number of host species
15		Host breadth
16		Habitat breadth of host(s)
17		Diet beadth of host(s)
18		IUCN conservation status of host(s)
19		Mass of host(s)

	A	B
20		Range size of host(s)
21		Percentage of host(s) range in protected area
22		Phylogenetic distance of host species to humans
23		Baltimore classification of the virus
24		Envelope status of virus
25		Viral genome segmentation
26		Viral infectivity in humans
27		Viral infectivity in terrestrial mammals
28		Viral infectivity in birds
29		Viral infectivity in other animals (excluding humans, terrestrial mammals, birds)

	A	B
30		Proportion of viruses known to infect humans in the viral family
31		Proportion of viruses known to infect terrestrial mammals in the viral family
32		Proportion of viruses known to infect birds in the viral family
33		Proportion of viruses known to infect other animals (excluding humans, terrestrial mammals, birds) in the viral family
34		Proportion of viruses within a viral family that are known to infect more than 1 host species
35		Proportion of known human pathogens in the viral family
36		Virulence in humans
37		Virulence in terrestrial mammals
38		Virulence in birds
39		Virulence in other animals (excluding humans, terrestrial mammals, birds)

	A	B
40		Phylogenetic distance between the virus and a known human pathogen within the same viral family
41		Phylogenetic distance between the virus and a virus (within the same viral family) that is known to infect humans (with or without disease)
42		Phylogenetic distance between the virus and a virus (within the same viral family) that is not known to infect humans
43		Phylogenetic distance between the virus and a known animal pathogen within the same viral family
44		Phylogenetic distance between the virus and a virus (within the same viral family) that is known to infect animals (with or without disease)
45		Epidemicity of the virus
46		Viral association with unknown cause of illness in humans
47		Transmission mode of the viral genus
48		Animal to human transmission
49		Human to human transmission

	A	B
50		Sample diversity
51		Duration of infection in humans
52		Geography of the virus
53		Number of high-risk disease transmission interfaces the virus has been found in
54		Frequency of domestic animal-human contact at the site interface
55		Intimacy of domestic animal-human contact at the site interface
56		Frequency of wild animal-human contact at the site interface
57		Intimacy of wild animal-human contact at the site interface
58		Land use in host ecosystem
59		Livestock density in host ecosystem

	A	B
60		Human population density in host ecosystem
61		Timeline of deforestation in host ecosystem
62		Urbanisation in host ecosystem
63		Agricultural system change in host ecosystem

	C
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13	***CONTRIBUTION TO THE RISK OF A NEW HUMAN VIRAL SPILLOVER OR EPIDEMIC EVENT OF ANIMAL-ORIGIN***
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	C
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	C
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	D	E
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13	***EXPLANATION***	***LEVEL OF EXPERTISE***
14	*The number of host species the virus is known to infect*	
15	*The diversity (i.e number of orders) of hosts the virus is known to infect*	
16	*The total number of habitats the host(s) occupies, as recognized by the IUCN, i.e. Forest, Savanna, Shrubland. Habitat is the place or environment where a plant or animal naturally or normally lives and grows*	
17	*The total number of food items in the diet of the host(s), as described in PANtheria database (Jones et al. 2009)*	
18	*The conservation status of a species is an indicator of how likely it is to remain alive at present or in the near future*	
19		

	D	E
20	*Known global range size of the host(s). The range of a species is the geographical area within which that species can be found*	
21	*Protected areas are zones allocated for the conservation of the environment, habitat or animals*	
22	*Phylogenetic distance is a measure of genetic relatedness between organisms.*	
23	*The Baltimore classification clusters viruses into families according to type of genome.*	
24	*Whether the virus has an envelope surrounding the genome*	
25	*Whether the viral genome is broken up into segments*	
26	*Is the virus known to infect humans? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
27	*Is the virus known to infect terrestrial mammals? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
28	*Is the virus known to infect birds? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
29	*Is the virus known to infect other animal species (excluding humans, terrestrial mammals, birds)? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	

	D	E
30	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
31	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
32	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
33	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
34	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	
35	*A pathogen is defined as a viral agent that causes disease in it's host*	
36	*Virulence refers to the degree of damage caused by a virus to its host*	
37	*Virulence refers to the degree of damage caused by a virus to its host*	
38	*Virulence refers to the degree of damage caused by a virus to its host*	
39	*Virulence refers to the degree of damage caused by a virus to its host*	

	D	E
40	*Phylogenetic distance is a measure of genetic relatedness between organisms*	
41	*Phylogenetic distance is a measure of genetic relatedness between organisms*	
42	*Phylogenetic distance is a measure of genetic relatedness between organisms*	
43	*Phylogenetic distance is a measure of genetic relatedness between organisms*	
44	*Phylogenetic distance is a measure of genetic relatedness between organisms*	
45	*Whether the virus been implicated in epidemics/pandemics in humans, animals, or both*	
46	*Was the virus detected in an ill human with unknown cause of illness?*	
47	*How the virus is transmitted between hosts*	
48	*Is the virus known to be transmitted between animals and people*	
49	*Is the virus known to be transmitted between humans*	

	D	E
50	*Number of sample types the virus has been found in*	
51	*Whether the virus chronically or acutely infects humans*	
52	*Detection of the virus on a scale of global, regional, national*	
53	*High-risk disease transmission interfaces are settings where viral spillover/transmission may occur between animals and people*	
54	*How often people and domestic animals interact at the interface where the hosts were sampled*	
55	*How closely people and domestic animals interact at the interface where the hosts were sampled*	
56	*How often people and wild animals interact at the interface where the hosts were sampled*	
57	*How closely people and wild animals interact at the interface where the hosts were sampled*	
58	*How is the land being used at the location where the hosts were sampled. Examples include urban, forest, crops etc.*	
59	*Density of livestock animals at the location where the hosts were sampled*	

	D	E
60	*Density of humans at the location where the hosts were sampled*	
61	*Has deforestation occurred at the location where the hosts were sampled*	
62	*Has the location where the hosts were sampled has been affected by urbanisation*	
63	*Has agricultural intensification occurred at the location where the hosts were sampled*	

	A	B
1	LOW	NOVICE
2	MEDIUM	COMPETENT
3	HIGH	PROFICIENT
4	NOT RELEVAI	EXPERT
5		MASTER

From:	Andrew Clements <aclements@usaid.gov>
To:	Elizabeth Leasure <ealeasure@ucdavis.edu>
CC:	malkhateeb@usaid.gov <malkhateeb@usaid.gov>;Alisa Pereira <apereira@usaid.gov>;Amalhin Shek <ashek@usaid.gov>;djwolking@ucdavis.edu <djwolking@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>
Sent:	3/2/2017 2:46:22 PM
Subject:	Jordan mission funds obligated to Predict

Hi Liz,

Can you verify if the $200,000 of additional funding for Jordan has been obligated to Predict?

Thanks!

Andrew

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

From: Andrew Clements <aclements@usaid.gov>
To: Chittenden, Kendra (Jakarta/Health) <kchittenden@usaid.gov>
CC: predict@ucdavis.edu <predict@ucdavis.edu>;PREDICTMGT <predictmgt@usaid.gov>;Brian Bird <bhbird@ucdavis.edu>;Tracey Goldstein <tgoldstein@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>
Sent: 3/31/2017 10:27:34 AM
Subject: Follow up on questions about PREDICT's Ebola study on animals in Guinea

Hi Kendra,

Can you share with the Guinea Mission this final version of PREDICT's responses to the CDC suggestions? We can discuss in more detail on the phone call next week.

Thanks!

Andrew

--

Andrew Clements, Ph.D.
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For more information on USAID's Emerging Pandemic Threats program, see: http://www.usaid.gov/ept2

PREDICT responses to CDC suggestions in Guinea

CDC suggestion 1: Specimens that have been received for this animal study have been stored in a -20 freezer that is different from the -80 freezer that contains human blood Ebola samples. This is good news from a safety perspective. The -80 freezer with Ebola specimen is locked and should not be opened as it contains positive samples that have not been neutralized. PREDICT might want to quickly acquire a -80 freezer (recommended temperature for blood samples for better conservation) to ensure proper storage of their samples.

PREDICT response: **This is being addressed.** We are happy that Dr. Magassouba could assist us in arranging a temporary storage solution for the PREDICT specimens that is separate from the human outbreak specimen collection. We agree that -80C storage is preferable, and the team has purchased two -80C freezers to upgrade the ultra-cold storage capacity at the VHF laboratory for all PREDICT specimens, which will remain locked with very limited key access at all times. These should be delivered during the second week of April. **Action item:** the PREDICT team will notify the USAID Mission when the freezers arrive in-country.

Until that time, storage at -20C will be adequate for our primary diagnostic specimens which are stored ***inactivated*** in Trizol (guanidine isothiocyanate and phenol) as this will not affect the results of any subsequent molecular testing. Short term storage at -20C of our secondary specimens in virus-transport media, while not ideal, will be sufficient for potential subsequent analyses if necessary, especially since these will be transferred to the new, locked -80C freezer soon.

CDC suggestion 2: Dr. Magassouba did not seem to have total clarity of what PREDICT would provide (freezer/generator) or the specifics of the study. I would recommend meeting with him, go over supplies and study, and do the same with Dr. Sakoba and Prof. Lamine.

PREDICT response: **This is being addressed.** The purpose of the global PREDICT team's visit was to explore in-country capabilities and possibilities for collaboration for testing of PREDICT samples in Guinea. Dr. Magassouba and our PREDICT country coordinator (Professor Camara) recently reviewed and reached an agreement (currently with the University of California Davis for final PREDICT approvals) that more clearly states exactly what each partner is responsible for in terms of sample storage and equipment for this purpose. In this document, it is clear that PREDICT will supply the two -80C freezers (due for delivery in April) and cost share the fuel for the generators required for this equipment. We will be happy to provide Dr. Sakoba and Professor Lamine an update to clarify their concerns or questions as soon as desirable. Plans for testing in Guinea are currently being developed and are dependent on resources available. The plans are being discussed with Professor Camara and Dr. Magassouba to assess feasibility. The PREDICT team offered to share PREDICT testing protocols with Dr. Magassouba in the interim, so that he may have them available to pilot with pre-PREDICT samples in his archive. **Action item:** the PREDICT team will follow up further with Professor Camara and Dr. Magassouba.

CDC suggestion 3: PREDICT should have a Memorandum of Understanding (MOU) signed by the MOH and Ministry of Livestock that explains the method used to ensure proper handling, neutralization, storage, and shipping of specimen. This was requested by the GoG for the human samples and is a hot topic of conversation right now because of direct safety concerns expressed by both the President and the Minister of Health.

PREDICT response: **This is being addressed.** The PREDICT team was granted permits for our work by the Ministry of Environment, Water, and Forests and the Ministry of Livestock and Animal Production prior to the initiation of any work in Guinea. These permits were granted in part because the team utilizes standardized protocols used by PREDICT teams project-wide to train staff on these issues including the safe collection, handling, storage, and shipping of specimens. As an added step specifically for Guinea, we are also following the recommendation of Dr. Sakoba to have our approved animal sampling Institutional Animal Care and Use (IACUC) protocol (which includes further details on sampling and safe handling of animals and specimens) be reviewed and approved through the joint Guinean Ethics Committee that also includes members of the Ministry of Health. We are in the process of translating this master document into French for submission to

UCDUSR0000172

this committee. We look forward to addressing any concerns they may have to ensure their concurrence with our activities. **Action item:** the PREDICT team is following up with the GEC.

CDC suggestion 4: The principal investigator on the ground should also be able to demonstrate that proper measures are being taken to ensure the prevention of human infection from potentially infected animal blood. In addition to PPE, proper training, and Trizol being used at the collection sites, it might be advisable to consider additional measures. No vaccine is available at this time. Possible measures:

a. daily temperature monitoring of all collectors and their immediate family

b. use of a sheet that records who collected which sample and link lab results to this line list of collectors after confirmation of PCR test in California. This should be regularly shared with MOH and time between collection and testing minimized as much as possible for rapid confirmation.

c. Field incidents (needle pricks, bites from bats, spill of test tubes or fluids should be well documented and shared

PREDICT response: **This has already been addressed; no further action required.** The in-country PREDICT teams are trained to follow well-established biosafety and animal and specimen handling protocols that have been used over the past 7 years in a variety of settings and including work with animal reservoirs of other high-consequence pathogens, such as Nipah, Lassa, SARS-like, and MERS viruses. The single greatest risk to PREDICT staff is rabies virus infection, and all staff are required to obtain rabies vaccination before beginning any field work activities. An additional and very significant threat to the health of our staff is venomous snake bite. It would be very informative to hear if the CDC has any guidance or availability of anti-venoms that could be obtained by the in-country teams on an emergency basis if needed.

For the additional concerns:

a) It is highly unlikely that PREDICT team members, as part of their routine activities, are at increased risk of exposure to pathogens from the animals being sampled above the background level of the local community who actively hunt and consume many of the animal species being sampled. In the absence of a specific high-risk exposure, daily temperature monitoring of ecological field staff, where appropriate PPE and adherence to biosafety protocols have been maintained, does not seem warranted and is not standard practice, even for CDC teams collecting similar animal samples in neighboring countries. However, if a more significant exposure risk occurs (such as an animal bite that penetrates all layers of PPE), enhanced monitoring may be warranted on a case-by-case basis (see c below).

b) During each day/night of work, a record is generated of who participated in the sampling activities. However, PREDICT does not, by design, operate as a rapid response diagnostic laboratory, but is rather at its core a capacity building effort. The turnaround time from field-collection to virus detection and confirmation in animal samples could range from weeks to several months. As in-country laboratory testing capacity continues to build, we anticipate these turn-around times to shorten, but they will almost certainly always be beyond the short incubation time of most viral and bacterial infections. However, if there is a subsequent positive test for a known or suspected pathogen, we can use the log of participants from the animal sampling to follow up on the participants' health status.

c) Adverse incidents (e.g., bites, scratches, needle sticks) are recorded by the PREDICT team as part of our on-going occupational health program and are reported to the supervisor of the injured employee. Staff members and partners are also required to train on immediate response procedures for all such incidents. Consistent with best practices in public health, if any illness is reported by or observed in a staff member by a supervisor, individuals are encouraged to not participate in any team activities until their illness is resolved. When an illness occurs subsequent to an adverse event, the situation is brought to the attention

UCDUSR0000173

of the staff member's employer for implementation of their occupational health program, as well as to the PREDICT country coordinator and the global team for further action. If a significant illness does occur that may require immediate rule-out testing, the PREDICT team will contact the MoH and our CDC partners for guidance.

CDC suggestion 5: More clarification should be given as to why one aliquot is kept in Guinea. For what research will the samples be used? By whom? These should be captured in a research protocol shared with both MOH and Ministry of Livestock.

PREDICT response: **This has already been addressed; no further action required.** As standard best practice, PREDICT teams across the world archive aliquots with the in-country government to build up local bio-banks of specimens. For example, this practice is also followed by the CDC Viral Special Pathogens teams doing similar work as PREDICT in Sierra Leone. It is at the discretion of the host country government, in conjunction with PREDICT staff, to determine what research plans they have with the specimens, as these aliquots are necessarily the biological and intellectual property of the country. This best practice is outlined as part of the agreement between PREDICT and the host country government. PREDICT strives to leave behind in-country technical expertise and a collection of specimens so that every country has the capacity to engage in further research work with other partners long after the PREDICT program has ended. We also encourage best practices and training in biosafety and security, as well as report any positive samples that should be transported, according to the in-country government protocols, to the most-biosecure facility in the country if the sample is considered high-risk to human health or livestock.

CDC suggestion 6: The chain of custody, etc. should be documented in an SOP.

PREDICT response: **This has already been addressed; no further action required.** PREDICT already has SOPs for maintaining records and inventories of the collected PREDICT specimens, which includes freezer map locations, and all specimens stored in locked freezers. The SOPs also state that if a potential high-consequence pathogen is detected, any remaining potentially infectious specimen will be transferred as soon as possible to the appropriate national or international reference laboratory, depending on the pathogen and the in-country capacity, with host-government approval and concurrence.

CDC suggestion 7: All of these items should be discussed openly with the MOH and the Ministry of Livestock

PREDICT response: **This has already been addressed; no further action required.** Our team reports having already discussed these items with both Ministries, and PREDICT POCs from Ministry of Livestock (Dr. Ramadan Diallo) and from MOH (Dr. Alpha Mamadou Diallo) are always invited and/or have participated already with the team in our community engagement and sampling activities. As a rule, the PREDICT teams in all countries where the project is implemented strive to have open and transparent communication with all relevant government Ministries. Without their continued approval and support the goals of the PREDICT program would not be possible. If necessary, the PREDICT team in Guinea is happy to discuss these issues further with the appropriate government representatives.

UCDUSR0000174

From:	Andrew Clements <aclements@usaid.gov>
To:	David J Wolking <djwolking@ucdavis.edu>
CC:	Katherine Leasure <kaleasure@ucdavis.edu>;PREDICTMGT <predictmgt@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>
Sent:	4/20/2017 8:05:02 PM
Subject:	Re: [predict] Re: Change to Approved ITA: N. Ross travel to Italy rescheduled, participant change

Thanks, David.

Approved.

On Thu, Apr 20, 2017 at 9:13 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Hi Andrew,

See the request below for Carlos. Also, please let me know if you need anything else, I'm pitching in for Katie and Liz while they are on vacation.

Cheers,

David

EcoHealth Alliance would like to request travel approval for Mr. Carlos Zambrana-Torrelio to travel from New York, NY, to Rome, Italy from May 3-5, 2017 to collaborate with Ugo Pica Ciamarra at the Food and Agriculture Organization (FAO).

Trip purpose: Mr. Zambrana-Torrelio will work with Mr. Pica Ciamarra on the Africa Sustainable Livestock 2050 dynamic modeling.

Airfare cost is expected to be $2,000 roundtrip/$471 Rome max daily per diem.

On Thu, Apr 20, 2017 at 12:38 AM, Andrew Clements <aclements@usaid.gov> wrote:
Hi Katie,

Ross traveled still approved.

Will there be a separate approval request for Carlos?

Andrew

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Apr 19, 2017, at 10:24 PM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Due to scheduling conflicts, Noam Ross's travel to Italy (previously approved ITA below for reference) has been rescheduled to May 3-5, 2017. Mr. Carlos Zambrana-Torrelio has also been added as a participant. All other details of the trip remain the same, including departure/destination points and purpose. Our apologies for the late notice; we were just made aware of this change. Please let me know if you have any questions. Thanks!

EcoHealth Alliance would like to request travel approval for Dr. Noam Ross to travel from New York, NY, USA to Rome, Italy from March 27-30, 2017 to collaborate with Ugo Pica Ciamarra at the Food and Agriculture Organization (FAO).

Trip purpose: Dr. Ross will work with Mr. Pica Ciamarra on the Africa Sustainable Livestock 2050 dynamic modeling.

Airfare cost: $2,000 each/$471 (Rome) max daily per diem

Katherine Leasure

HR/Payroll/Financial Assistant

One Health Institute

University of California, Davis

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For more information on USAID's Emerging Pandemic Threats program, see: http://www.usaid.gov/ept2

	A	B	C	D
1	Under 18 years	Male	Virologist	Algeria
2	18 to 24 years	Female	Epidemiologist	Egypt
3	25 to 34 years	Other	Ecologist	Libya
4	35 to 44 years		Public Health	Morocco
5	45 to 54 years		Molecular biologist / Geneticist	Tunisia
6	55 to 64 years		Laboratorian	WesternSahara
7	Age 65 or older		Clinician	Angola
8			Environmental Scientist	Benin
9			Bioinformatician / Quantitative scientist	Botswana
10			Other - please describe	BurkinaFaso
11				Burundi
12				Cameroon
13				CapeVerde
14				CentralAfricanRepublic
15				Chad
16				Comoros
17				Congo
18				CongoTheDemocraticRepublicOfThe
19				Cotedlvoire
20				Djibouti
21				EquatorialGuinea
22				Eritrea
23				Ethiopia
24				Gabon

	A	B	C	D
25				Gambia
26				Ghana
27				Guinea
28				GuineaBissau
29				Kenya
30				Lesotho
31				Liberia
32				Madagascar
33				Malawi
34				Mali
35				Mauritania
36				Mauritius
37				Mayotte
38				Mozambique
39				Namibia
40				Niger
41				Nigeria
42				Reunion
43				Rwanda
44				SaintHelenaAscensionandTristandaCunha
45				SaoTomeandPrincipe
46				Senegal
47				Seychelles
48				SierraLeone
49				Somalia
50				SouthAfrica
51				SouthSudan
52				Sudan
53				Swaziland
54				TanzaniaUnitedRepublicof
55				Togo
56				Uganda
57				Zambia
58				Zimbabwe

	A	B	C	D
59				BouvetIsland
60				FrenchSouthernTerritories
61				HeardIslandandMcDonaldIslands
62				SouthGeorgiaandSouthSandwichIslands
63				China
64				HongKong
65				Japan
66				KoreaDemocraticPeoplesRepublicOf
67				KoreaRepublicOf
68				Macao
69				Mongolia
70				TaiwanProvinceOfChina
71				Belarus
72				Moldova
73				RussianFederation
74				Ukraine
75				Afghanistan
76				Armenia
77				Azerbaijan
78				Bahrain
79				Cyprus
80				Georgia
81				IranIslamicRepublicOf
82				Iraq
83				Israel
84				Jordan
85				Kazakhstan
86				Kuwait

	A	B	C	D
87				Kyrgyzstan
88				Lebanon
89				Oman
90				Pakistan
91				PalestineStateOf
92				Qatar
93				SaudiArabia
94				SyrianArabRepublic
95				Tajikistan
96				Turkey
97				Turkmenistan
98				UnitedArabEmirates
99				Uzbekistan
100				Yemen
101				Bangladesh
102				Bhutan
103				BritishIndianOceanTerritory
104				BruneiDarussalam
105				Cambodia
106				DisputedTerritory
107				India
108				Indonesia
109				LaoPeoplesDemocraticRepublic
110				Malaysia
111				Maldives
112				Myanmar
113				Nepal
114				Philippines
115				Singapore
116				SriLanka
117				Thailand
118				TimorLeste

	A	B	C	D
119				VietNam
120				AlandIslands
121				Albania
122				Andorra
123				Austria
124				Belgium
125				BosniaAndHerzegovina
126				Bulgaria
127				Croatia
128				CzechRepublic
129				Denmark
130				Estonia
131				FaroeIslands
132				Finland
133				France
134				Germany
135				Gibraltar
136				Greece
137				Greenland
138				Guernsey
139				HolySeeVaticanCityState
140				Hungary
141				Iceland
142				Ireland
143				IsleofMan
144				Italy
145				Jersey
146				Latvia
147				Liechtenstein
148				Lithuania
149				Luxembourg
150				Macedonia
151				Malta
152				Monaco
153				Montenegro
154				Netherlands

	A	B	C	D
155				Norway
156				Poland
157				Portugal
158				Romania
159				SanMarino
160				Serbia
161				Slovakia
162				Slovenia
163				Spain
164				SvalbardAndJanMayen
165				Sweden
166				Switzerland
167				UnitedKingdom
168				CaribbeanIslands
169				Anguilla
170				AntiguaAndBarbuda
171				Aruba
172				Bahamas
173				Barbados
174				Bermuda
175				CaymanIslands
176				BonaireSintEustatiusAndSaba
177				Cuba
178				Dominica
179				Curacao
180				DominicanRepublic
181				Grenada
182				Guadeloupe
183				Haiti
184				Jamaica
185				Martinique
186				Montserrat
187				PuertoRico

	A	B	C	D
188				SaintBathelemy
189				SaintKittsAndNevis
190				SaintLucia
191				SaintMartinFrench
192				SaintVincentGrenadines
193				SintMaarten
194				TrinidadTobago
195				TurksCaicosIslands
196				VirginIslandsBritish
197				VirginIslandsUS
198				Belize
199				CostaRica
200				ElSalvador
201				Guatemala
202				Honduras
203				Mexico
204				Nicaragua
205				Panama
206				Canada
207				SaintPierreMiquelon
208				UnitedStates
209				AmericanSamoa
210				Australia
211				ChristmasIsland
212				CocosIslands
213				CookIslands
214				Fiji
215				FrenchPolynesia

	A	B	C	D
216				Guam
217				Kiribati
218				MarshallIslands
219				MicronesiaFederatedStatesOf
220				Nauru
221				NewCaledonia
222				NewZealand
223				Niue
224				NorfolkIsland
225				NorthernMarianaIslands
226				Palau
227				PapuaNewGuinea
228				Pitcairn
229				Samoa
230				SolomonIslands
231				Tokelau
232				Tonga
233				Tuvalu
234				UnitedStatesMinorOutlyingIslands
235				Vanuatu
236				WallisAndFutuna
237				Argentina
238				BoliviaPlurinationalStateOf
239				Brazil
240				Chile
241				Colombia
242				Ecuador
243				FalklandIslands

	A	B	C	D
244				FrenchGuiana
245				Guyana
246				Paraguay
247				Peru
248				Suriname
249				Uruguay
250				VenezuelaBolivarianRepublicOf
251				PalestinianTerritoryOccupied

	A	B
1		
2		**VIRAL RISK RANKING PARTICIPANT FORM**
3		
4		**Age**
5		**Gender**
6		**Country of Residence**
7		**Employer**
8		**Academic qualification(s) and subject**
9		**Primary field of expertise**
10		**Additional field of expertise**
11		**Number of years in primary field**
12		
13		***CATEGORY***
14		Number of host species
15		Host breadth
16		Habitat breadth of host(s)
17		Diet beadth of host(s)
18		IUCN conservation status of host(s)
19		Mass of host(s)

	A	B
20		Range size of host(s)
21		Percentage of host(s) range in protected area
22		Phylogenetic distance of host species to humans
23		Baltimore classification of the virus
24		Envelope status of virus
25		Viral genome segmentation
26		Viral infectivity in humans
27		Viral infectivity in terrestrial mammals
28		Viral infectivity in birds
29		Viral infectivity in other animals (excluding humans, terrestrial mammals, birds)

	A	B
30		Proportion of viruses known to infect humans in the viral family
31		Proportion of viruses known to infect terrestrial mammals in the viral family
32		Proportion of viruses known to infect birds in the viral family
33		Proportion of viruses known to infect other animals (excluding humans, terrestrial mammals, birds) in the viral family
34		Proportion of viruses within a viral family that are known to infect more than 1 host species
35		Proportion of known human pathogens in the viral family
36		Virulence in humans
37		Virulence in terrestrial mammals
38		Virulence in birds
39		Virulence in other animals (excluding humans, terrestrial mammals, birds)

	A	B
40		Phylogenetic distance between the virus and a known human pathogen within the same viral family
41		Phylogenetic distance between the virus and a virus (within the same viral family) that is known to infect humans (with or without disease)
42		Phylogenetic distance between the virus and a virus (within the same viral family) that is not known to infect humans
43		Phylogenetic distance between the virus and a known animal pathogen within the same viral family
44		Phylogenetic distance between the virus and a virus (within the same viral family) that is known to infect animals (with or without disease)
45		Epidemicity of the virus
46		Viral association with unknown cause of illness in humans
47		Transmission mode of the viral genus
48		Animal to human transmission
49		Human to human transmission

	A	B
50		Sample diversity
51		Duration of infection in humans
52		Geography of the virus
53		Number of high-risk disease transmission interfaces the virus has been found in
54		Frequency of domestic animal-human contact at the site interface
55		Intimacy of domestic animal-human contact at the site interface
56		Frequency of wild animal-human contact at the site interface
57		Intimacy of wild animal-human contact at the site interface
58		Land use in host ecosystem
59		Livestock density in host ecosystem

	A	B
60		Human population density in host ecosystem
61		Timeline of deforestation in host ecosystem
62		Urbanisation in host ecosystem
63		Agricultural system change in host ecosystem

	C
1	
2	
3	
4	53
5	Female
6	China
7	*Chinese Academy of Sciences*
8	*Ph.D Virology*
9	Viral epidemiology
10	
11	30
12	
13	***CONTRIBUTION TO THE RISK OF A NEW HUMAN VIRAL SPILLOVER OR EPIDEMIC EVENT OF ANIMAL-ORIGIN***
14	HIGH
15	HIGH
16	HIGH
17	NOT RELEVANT FOR SPILLOVER
18	NOT RELEVANT FOR SPILLOVER
19	NOT RELEVANT FOR SPILLOVER

	C
20	NOT RELEVANT FOR SPILLOVER
21	NOT RELEVANT FOR SPILLOVER
22	HIGH
23	NOT RELEVANT FOR SPILLOVER
24	NOT RELEVANT FOR SPILLOVER
25	NOT RELEVANT FOR SPILLOVER
26	HIGH
27	MEDIUM
28	LOW
29	MEDIUM

	C
30	NOT RELEVANT FOR SPILLOVER
31	NOT RELEVANT FOR SPILLOVER
32	NOT RELEVANT FOR SPILLOVER
33	NOT RELEVANT FOR SPILLOVER
34	NOT RELEVANT FOR SPILLOVER
35	NOT RELEVANT FOR SPILLOVER
36	HIGH
37	HIGH
38	MEDIUM
39	LOW

	C
40	MEDIUM
41	MEDIUM
42	MEDIUM
43	LOW
44	LOW
45	HIGH
46	HIGH
47	HIGH
48	MDIUM
49	HIGH

	C
50	NOT RELEVANT FOR SPILLOVER
51	NOT RELEVANT FOR SPILLOVER
52	NOT RELEVANT FOR SPILLOVER
53	HIGH
54	HIGH
55	HIGH
56	Medium
57	HIGH
58	HIGH
59	HIGH

	C
60	HIGH
61	MEDIUM
62	HIGH
63	HIGH

	D	E
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13	***EXPLANATION***	***LEVEL OF EXPERTISE***
14	*The number of host species the virus is known to infect*	EXPERT
15	*The diversity (i.e number of orders) of hosts the virus is known to infect*	EXPERT
16	*The total number of habitats the host(s) occupies, as recognized by the IUCN, i.e. Forest, Savanna, Shrubland. Habitat is the place or environment where a plant or animal naturally or normally lives and grows*	COMPETENT
17	*The total number of food items in the diet of the host(s), as described in PANtheria database (Jones et al. 2009)*	NOVICE
18	*The conservation status of a species is an indicator of how likely it is to remain alive at present or in the near future*	NOVICE
19		NOVICE

	D	E
20	*Known global range size of the host(s). The range of a species is the geographical area within which that species can be found*	NOVICE
21	*Protected areas are zones allocated for the conservation of the environment, habitat or animals*	NOVICE
22	*Phylogenetic distance is a measure of genetic relatedness between organisms.*	COMPETENT
23	*The Baltimore classification clusters viruses into families according to type of genome.*	EXPERT
24	*Whether the virus has an envelope surrounding the genome*	EXPERT
25	*Whether the viral genome is broken up into segments*	EXPERT
26	*Is the virus known to infect humans? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	EXPERT
27	*Is the virus known to infect terrestrial mammals? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	EXPERT
28	*Is the virus known to infect birds? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	EXPERT
29	*Is the virus known to infect other animal species (excluding humans, terrestrial mammals, birds)? Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	EXPERT

	D	E
30	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	EXPERT
31	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	EXPERT
32	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	COMPETENT
33	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	COMPETENT
34	*Infection is defined as the invasion and multiplication of viruses that are not normally present within the body. An infection may cause no symptoms and be subclinical, or it may cause symptoms and be clinically apparent.*	EXPERT
35	*A pathogen is defined as a viral agent that causes disease in it's host*	EXPERT
36	*Virulence refers to the degree of damage caused by a virus to its host*	EXPERT
37	*Virulence refers to the degree of damage caused by a virus to its host*	EXPERT
38	*Virulence refers to the degree of damage caused by a virus to its host*	COMPETENT
39	*Virulence refers to the degree of damage caused by a virus to its host*	COMPETENT

	D	E
40	*Phylogenetic distance is a measure of genetic relatedness between organisms*	EXPERT
41	*Phylogenetic distance is a measure of genetic relatedness between organisms*	EXPERT
42	*Phylogenetic distance is a measure of genetic relatedness between organisms*	PROFICIENT
43	*Phylogenetic distance is a measure of genetic relatedness between organisms*	PROFICIENT
44	*Phylogenetic distance is a measure of genetic relatedness between organisms*	COMPETENT
45	*Whether the virus been implicated in epidemics/pandemics in humans, animals, or both*	PROFICIENT
46	*Was the virus detected in an ill human with unknown cause of illness?*	PROFICIENT
47	*How the virus is transmitted between hosts*	COMPETENT
48	*Is the virus known to be transmitted between animals and people*	COMPETENT
49	*Is the virus known to be transmitted between humans*	EXPERT

	D	E
50	*Number of sample types the virus has been found in*	EXPERT
51	*Whether the virus chronically or acutely infects humans*	COMPETENT
52	*Detection of the virus on a scale of global, regional, national*	COMPETENT
53	*High-risk disease transmission interfaces are settings where viral spillover/transmission may occur between animals and people*	COMPETENT
54	*How often people and domestic animals interact at the interface where the hosts were sampled*	COMPETENT
55	*How closely people and domestic animals interact at the interface where the hosts were sampled*	COMPETENT
56	*How often people and wild animals interact at the interface where the hosts were sampled*	COMPETENT
57	*How closely people and wild animals interact at the interface where the hosts were sampled*	COMPETENT
58	*How is the land being used at the location where the hosts were sampled. Examples include urban, forest, crops etc.*	NOVICE
59	*Density of livestock animals at the location where the hosts were sampled*	COMPETENT

	D	E
60	*Density of humans at the location where the hosts were sampled*	COMPETENT
61	*Has deforestation occurred at the location where the hosts were sampled*	COMPETENT
62	*Has the location where the hosts were sampled has been affected by urbanisation*	NOVICE
63	*Has agricultural intensification occurred at the location where the hosts were sampled*	NOVICE

	A	B
1	LOW	NOVICE
2	MEDIUM	COMPETENT
3	HIGH	PROFICIENT
4	NOT RELEVAI	EXPERT
5		MASTER

From:	Andrew Clements <aclements@usaid.gov>
To:	Katherine Leasure <kaleasure@ucdavis.edu>
CC:	PREDICTMGT <predictmgt@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>
Sent:	5/4/2017 7:56:40 AM
Subject:	Re: PREDICT International Travel Requests

Approved subject to mission concurrence.

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 4, 2017, at 1:35 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Please find below international travel requests for your review and approval. Please let me know if you have any questions. Thanks!!

1. Monagin (Senegal): $1,350 airfare/$251 (Dakar) max daily per diem
2. Euren (Laos): $1,200 airfare/$212 (Vientiane) max daily per diem
3. McIver (Laos): $1,400 airfare/$212 (Vientiane) max daily per diem
4. Olival (Thailand): $2,500 airfare/$246 (Bangkok) max daily per diem

Travel Requests –

1. UC Davis would like to request travel approval for Dr. Corina Monagin to travel from Los Angeles, CA, USA to Dakar, Senegal from May 27 to June 10, 2017 for meetings with partners, and training and roll-out of human syndromic surveillance activities.

Trip purpose: Dr. Monagin will be traveling to Dakar, Senegal to have working meetings with PREDICT-2 program partners at the Interstate School of Veterinary Medicine and Sciences of Dakar (EISMV), the University Cheikh Anta Diop (UCAD), and the Senegalese Institute of Agricultural Research (ISRA). These working meetings will focus on preparations for the roll-out of surveillance activities in the country. Dr. Monagin will also be leading a training for human syndromic surveillance in preparation for roll-out of activities.

2. Metabiota would like to request travel approval for Mr. Jason Euren, Research and Implementation Coordinator, to travel from San Francisco, CA, USA to Vientiane, Laos from May 27 to June 5, 2017 to complete human surveillance training in both hospital and community settings, as well as provide additional trainings on animal field data collection.

Trip purpose: In Vientiane, Jason Euren will join Dr. David McIver, Asia Regional Coordinator, to complete an intensive, week-long training on human surveillance for the PREDICT program. Part of this training will occur at the Khong District Hospital, in Champasak Province, and part of it will take place in the village of Na Pa Kieb, Champasak Province. This training will cover the selection and enrollment of participants to the PREDICT program, data collection and interviewing techniques, data upload to the EIDITH database, and biological sample collection in the community setting. Trainings for animal surveillance will include introducing updates to field data collection tools, biosafety and biosecurity updates and re-trainings, sample management and storage, updated blood collection techniques, and EIDITH data upload overview and re-training. These trainings will take place both at the PREDICT office in Vientiane, at the National Animal Health Laboratory, as well as on-site in Na Pa Kieb Village, Champasak Province.

3. Metabiota would like to request travel approval for Dr. David McIver, Asia Regional Coordinator, to travel from Nanaimo, British Columbia, Canada to Vientiane, Laos from May 27 to June 5, 2017 to complete human surveillance training in both hospital and community settings, as well as provide additional trainings on animal field data collection.

Trip purpose: In Vientiane, Dr. McIver will join Jason Euren, Research and Implementation Coordinator, to complete an intensive, week-long training on human surveillance for the PREDICT program. Part of this training will occur at the Khong District Hospital, in Champasak Province, and part of it will take place in the village of Na Pa Kieb, Champasak Province. This training will cover the selection and enrollment of participants to the PREDICT program, data collection and interviewing techniques, data upload to the EIDITH database, and biological sample collection in the community setting. Trainings for animal surveillance will include introducing updates to field data collection tools, biosafety and biosecurity updates and re-trainings, sample management and storage, updated blood collection techniques, and EIDITH data upload overview and re-training. These trainings will take place both at the PREDICT office in Vientiane, at the National Animal Health Laboratory, as well as on-site in Na Pa Kieb Village, Champasak Province.

4. EcoHealth Alliance would like to request travel approval for Dr. Kevin Olival to travel from New York, NY, USA to Bangkok, Thailand from May 24 - May 28, 2017 to participate in team meetings, sampling trips, and community surveillance.

Trip purpose: Dr. Olival will join the PREDICT team in conducting human community surveillance in Chonburi province, and meet with PREDICT implementing partners. Meetings with the team will occur on May 25; the sampling trips are planned for May 26-27.

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu

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You received this message because you are subscribed to the Google Groups "PREDICTMGT" group.
To unsubscribe from this group and stop receiving emails from it, send an email to predictmgt+unsubscribe@usaid.gov.
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To view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/032601d2c465%24e1875750%24a49605f0%24%40ucdavis.edu.

From:	Andrew Clements <aclements@usaid.gov>
To:	Katherine Leasure <kaleasure@ucdavis.edu>
CC:	PREDICTMGT <predictmgt@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>
Sent:	5/9/2017 8:25:59 AM
Subject:	[predict] Re: Change to Approved ITA: L. Gutierrez Jimenez travel to Liberia postponed to June 1-17

Thanks, Katie.

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 9, 2017, at 2:19 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Leticia Gutierrez Jimenez's travel to Liberia (previously approved ITA below for reference) has been postponed to June 1-17, 2017. Please let me know if you have any questions. Thanks!

EcoHealth Alliance would like to request travel approval for Dr. Leticia Gutiérrez Jiménez to travel from New York, NY, USA to Monrovia, Liberia from May 9-25, 2017 for rodent/bat training and field sampling in Liberia, and meetings with the PREDICT-2 Liberia team.
Trip purpose: Dr. Gutiérrez Jiménez will meet with Country Coordinator, Dr. Jim Desmond, regarding PREDICT-2 field activities. She will conduct rodent sampling training and bat sampling, and provide veterinary and ecological support to the PREDICT-2 Liberia team for implementing the new rodent sampling guidance.

Katherine Leasure
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--
You received this message because you are subscribed to the Google Groups "PREDICTMGT" group.
To unsubscribe from this group and stop receiving emails from it, send an email to predictmgt+unsubscribe@usaid.gov.
To post to this group, send email to predictmgt@usaid.gov.
To view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/042501d2c859%24de900270%249bb00750%24%40ucdavis.edu.

From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Angela Wang <awang@usaid.gov>
CC: Alisa Pereira <apereira@usaid.gov>;Andrew Clements <aclements@usaid.gov>;PREDICTMGT <predictmgt@usaid.gov>;PREDICT-outbreak <predict-outbreak@ucdavis.edu>;predict@ucdavis.edu <predict@ucdavis.edu>
Sent: 5/12/2017 7:53:42 PM
Subject: Re: Bullets on what assistance PREDICT can provide in DRC

Hi Angela,
Dennis let us know that have received our info on the 400 count for PPE that we have available from Prime and our local team. He said that you were also coordinating to get more from Dubai.

Consistent with your email, he also asked bullets on how Predict could provide assistance, for which I have sent out a request to our team to collect ideas. Prime is currently completing a meeting at MOH, so he will let us know what is reasonable to offer in support from his perspective. Do you all have more info than I do currently regarding necessary/appropriate assistance? From working with DRC on multiple Ebola outbreaks. our experience has been that they have good plans in place, are capable of the diagnosis and control plans (as evidenced by current progress), and are proactive when it comes to reducing travel/transport to control spread. Our most current information is that there are/were 9 sick people 19 days ago. Do you know that this is still an ongoing and/or escalating situation?

For previous Ebola outbreaks in DRC, we have certainly provided technical assistance with genetic analysis of strains. Much earlier, we also provided field assistance with sampling when the outbreak was ongoing. In other countries, we have helped with diagnostics and field investigations, especially for host identification and spillover risk. Please let us know if you have an idea of scope/scale of what you are hoping to offer, as that will have administrative planning ramifications.

Thanks,
Jonna

On Fri, May 12, 2017 at 9:53 AM, Angela Wang <awang@usaid.gov> wrote:
Hi Jonna,

I wasn't in the meeting before but Dennis came to my cube and said you would be sending me some bullets of what assistance PREDICT is able to provide in DRC. Alisa mentioned the messaging from Dennis may have been hazy so I just wanted to follow up...

Thanks!

USAID
202-712-1070 571-213-3882
awang@usaid.gov

From: Andrew Clements <aclements@usaid.gov>
To: Jonna Mazet <jkmazet@ucdavis.edu>
CC: Alisa Pereira <apereira@usaid.gov>
Sent: 5/13/2017 7:53:44 AM
Subject: Re: Bullets on what assistance PREDICT can provide in DRC

Thanks. Will proceed with this information.

Does the latest expenditure report from Liz basically show that DRC has spent up to its current cap?

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
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U.S. Agency for International Development
Mobile phone: 1-571-345-4253
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On May 12, 2017, at 11:29 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

My best call on this is to leave DRC at $6M. We estimated it at the top of the country caps. If we raise it again, we will have to decrease other country budgets with anticipated needs over the rest of the project. I would also find it reasonable to reduce CDI if there is an option to scale-out there. I didn't think that would be palatable, given in-country USAID staffing. I reduced that one already to just $1M over the rest of the life of the project. Going down much further would mean leaving.
Best fairly-uninformed guess for this outbreak is that we can handle minor activities within the proposed $6M cap, but I defer to your decision.
Fingers crossed,
J

On Fri, May 12, 2017 at 1:48 PM, Andrew Clements <aclements@usaid.gov> wrote:
Exactly, which is why I told people you may not be able to respond if asked because of the caps. A gentle reminder for them to do it. But the ball is back in our court because I need to provide them with budgets for current and future needs by country (for those countries where obligated funds are nearly expended). That's DRC for right now. I want to make sure we get the country cap information correct this time so we don't have to change it again.

On Fri, May 12, 2017 at 10:38 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:
Very true! -- just don't know if we can/should spend even more acceleratedly without a cap conversation, since the close to $1M YF DRC outbreak expenditure got us up to the cap. Not sure if there could now be an in-country expectation that we can foot a bill.
Have a nice weekend,
Jonna

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Thanks, Jonna.

We don't have any specific ideas on what might be requested or expected. I agree with you that DRC generally knows what to do and only usually needs a little assistance, so I don't expect you will have to do much (if this behaves like a normal outbreak).

However, I'm not above using the urgency of the situation to our advantage regarding the country cap impasse.

Andrew

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Hi Andrew,
On the call, after you dropped off I think, I mentioned that we are currently spending above the existing cap in DRC and that those need to be fixed ASAP, especially if USAID will be asking us to expend more funds on

another outbreak. The proposed new caps are estimated based on normal operations, not outbreak surge numbers in a particular country. We have a small amount of room for things on the order of PPE, but caps will not be sufficient if we are asked to scale-up, as in the YF situation. I have no idea how to estimate that, without more information for caps. Country level caps make planning for outbreak responses impossible unless you allocate fresh money with a cap change each time. As it is now, our outbreak funds are estimated and distributed across country budgets and caps because we never know in what country they will need to be used.

On your other question re using outbreak reserve or regular budget, I have no idea what anyone is thinking/requesting in terms of assistance, so I will contact Angela. The only pseudo request we have is for PPE on hand, which can be covered in our normal budget. Dennis and Angela have asked for bullets on how we can assist, which I have sent out to the team for ideas. Do you all have more info than I regarding necessary/appropriate assistance? From working with DRC on multiple Ebola outbreaks. our experience has been that they have good plans in place, are capable of the diagnosis and control plans (as evidenced by current progress), and are proactive when it comes to reducing travel/transport to control spread. Our most current information is that there are/were 9 sick people 19 days ago. Do you know that this is still an ongoing and/or escalating situation? Prime is currently completing a meeting at MOH, so he will let us know what is reasonable to offer in support from his end, as well.

More soon, I'm sure,
Jonna

On Fri, May 12, 2017 at 11:17 AM, Andrew Clements <aclements@usaid.gov> wrote:
Related to this, do you have DRC Ebola budget to cover any assistance requested or will you need to dip into the regular budget outbreak reserve?

And BTW, I may have suggested to others today that your ability to respond may be compromised by the existing country caps. Are the previously submitted country caps adjustments still valid or do you need to make some additional revisions. I've been asked to submit the revised cap numbers. Thanks!

Andrew P. Clements, Ph.D.
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U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 12, 2017, at 6:53 PM, Angela Wang <awang@usaid.gov> wrote:

Hi Jonna,

I wasn't in the meeting before but Dennis came to my cube and said you would be sending me some bullets of what assistance PREDICT is able to provide in DRC. Alisa mentioned the messaging from Dennis may have been hazy so I just wanted to follow up...

Thanks!
Angela

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For more information on USAID's Emerging Pandemic Threats program, see: http://www.usaid.gov/ept2

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From: Andrew Clements <aclements@usaid.gov>
To: Jonna Mazet <jkmazet@ucdavis.edu>
CC: Alisa Pereira <apereira@usaid.gov>
Sent: 5/16/2017 9:49:48 AM
Subject: Re: Bullets on what assistance PREDICT can provide in DRC

Thanks

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 16, 2017, at 6:39 AM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Confirmed appropriateness of caps if keeping most/all countries active, as discussed on call -- short version of implications of $4M out of $11.9M for EHP coming to you tomorrow.
Running out of steam for the day,
J

On Mon, May 15, 2017 at 1:11 PM, Andrew Clements <aclements@usaid.gov> wrote:
Thanks

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
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U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 13, 2017, at 11:22 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

I believe so, but I can't confirm with her until Monday. She's been out of the loop since mid-Thursday due to a family emergency.
J

On Saturday, May 13, 2017, Andrew Clements <aclements@usaid.gov> wrote:
Thanks. Will proceed with this information.

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Andrew P. Clements, Ph.D.
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Angela

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From: Edward Rubin <emrubin@lbl.gov>
Sent: Fri, 11 Aug 2017 15:33:24 -0700
Subject: Global Virome Project
To: Chris Somerville <crsomerville@berkeley.edu>, Chris Somerville <crs@berkeley.edu>
Bcc: REDACTED

Dear Chris,

Hope that this finds you well.

I have been working with the US Agency for International Development (USAID) on helping to launch a large international project called the Global Virome Project (GVP). This project is focused on capturing the metadata and sequences of a significant fraction of the viruses that exist in wildlife that have the potential to jump to humans. A bit similar but a lot more complicated than the Human Genome Project involving large-scale sample collection and screening for viruses in wildlife in the world's "hot zone" regions. The project's central aim is to convert virology into a data rich field so that we can begin to proactively plan for viral outbreaks and pandemics. It has so far been championed by the USAID Pandemic Threat Program, who have already invested ~180 million in a successful proof of principle pilot project. For the projects next stage, it needs to become a global project completely separate from the US Government with a coordinating non-governmental center or "hub" linked to national virome projects. The hub will contain components of the project that need to be centralized such as organizational components/ governing structures/ advisory boards/ data platform…

We are now looking to foundations to support the hub and Open Philanthropy is one that is on our list. Please let me know if you think this falls at all in Open Philanthropy's domain and if so who within the organization we should talk with. The project appears to be moving faster than expected, with a China component already funded and poised to generate data, with others poised to follow suite.

The post JGI life as Chief Scientific Officer at the SF start up Metabiota is quite interesting. The company's focus is on data modeling and analytics for infectious disease risk. Learning lots of new science and aspects of how the tech/ for profit world operates.

Hope that your post EBI experience has been a good one and send my regards to Shauna.

Best,

Eddy

From: Eddy Rubin <erubin@metabiota.com>
To: Dennis Carroll <dcarroll@usaid.gov>, Jonna Mazet <[redacted]>, Peter Daszak <daszak@ecohealthalliance.org>, Nathan Wolfe <nwolfe@metabiota.com>
Cc: Cara Chrisman <cchrisman@usaid.gov>
Subject: retooled message and ask to funders
Sent: Sat, 12 Aug 2017 00:01:26 +0000

Hi Dennis, Peter, Nathan and Jonna,

As I mentioned on this weeks call I think we should knock on the Science Philanthropy Alliance door again as well as the doors of other potential funders that we may have already visited (Vulcan, Skool) with a retooled message and ask. (I believe we got the initial invite to Science Philanthropy through Nathan's connection to Harvey Feinberg, who is on their board.) When we visited them Jan 2017 in Palo Alto with an eye popping 3 Billion $ plus ask we met with Marc Kaster (President) and Valerie Conn (Executive Dir). Below is a draft note to see if they have any interest in engaging the new version of GVP with any of their donners. A mature version of the "hub" ask note might also serve as a model to pitch to other philanthropies.

Eddy

Dear Valeria and Marc,

In January of this a year we visited you at the Science Philanthropy Alliance to discuss an international project called the Global Virome Project (GVP). As a reminder, the project is focused on capturing the metadata and sequences of a significant fraction of the viruses that exist in wildlife that have the potential to jump to humans. The project's central aim is to convert virology into a data rich field so that we can be in position in the future to proactively plan for viral outbreaks and pandemics.

Since the visit in January the project has progressed with several national virome projects linked to GVP already funded (China) or with efforts under way to secure funding (Canada, Costa Rica…). What has become clear is that as the project moves forward, we need to develop a coordinating non-governmental center or "hub" linked to the national virome projects that are emerging. The hub will contain components of the project that need to be centralized such as governing organization / advisory boards/ legal and coordinating activities/ data platform…When we visited the Science Philanthropy Alliance at the beginning of the year we had not specifically defined our needs. As the project moves along it has become clear that we need to acquire support specifically for the hub.

We would appreciate if you would consider again GVP and whether it fits with the interests of any of your funding partners.

Regards….

Sent: Tue, 15 Aug 2017 10:10:37 -0700
Subject: Re: GVP call minutes Aug 10
From: Jonna Mazet <jkmazet@ucdavis.edu>
To: [redacted]
Cc: Brooke Watson <watson@ecohealthalliance.org>, Dennis Carroll <dcarroll@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, Nathan Wolfe <nwolfe@metabiota.com>, Eddy Rubin <erubin@metabiota.com>, "daszak@ecohealthalliance.org" <daszak@ecohealthalliance.org>

Hi all,
Just letting you know that Mark Smolinski will be in Boston on September, so Skoll is unfortunately off the table for this visit. I am setting up another meeting with him to keep him engaged in the meantime.
Have a good day,
Jonna

On Thu, Aug 10, 2017 at 12:24 PM, [redacted] wrote:

Hi everyone,

Here are the meeting minutes from our call today.

Agenda

Science Paper - Deadline for comments is Aug 14

GVP Business Plan - Conference line will be set up

- BCG: 8/23 11am-12pm
- McKinsey: 8/23 2-3pm
- Dalberg: 8/25 11:30am-12:30pm

Outreach - Readouts

- Canada
  - Interested in waterfowl projects. Eddy and Dennis will be in Canada to share information on GVP.
  - Canada could be the model for high-income country with a self-funded program. Upcoming deadline for Canadian funding is December.
- Merieux
  - Jonna and Eri met with Guy Vernet and Jon Andrus (Board of Merieux USA). They do not have funds but are excited to be involved through utilizing their lab network (GABRIEL).
  - GVP will continue stewarding relationship and potentially meet with them at PMAC.
- British Consulate in SF
  - Jonna will meet today and inform then about GVP, because they are connected to Wellcome Trust.

Outreach - Planned

- Peter Bogner at GISAID – Call on Aug 14, 11.30am EST
  - Referred by Bill Steiger

- GISAID is six years old, work on global data management on viruses, particularly influenza.
- Peter is based in Germany but will be in SF for the next few weeks. Peter also has his own foundation.

- San Francisco – BioHub confirmed 10am PDT, others TBD
  - Open Philanthropy – Chris Sommerville is the chief. Eddy will reach out.
  - Iconic – Similar to Vulcan. Under Zuckerberg umbrella but with several other groups. Oversees venture capital, BioHub etc.
  - Skoll – Jonna contacted Mark and Larry for potential morning meeting on 9/15 before BioHub
  - Richard Feachem – Jeremy messaged Eddy. Not able to commit substantially at this point.

    Richard could be the voice for GVP for UK colleagues. How to involved Richard is TBD.

  - Science Philanthropy Alliance (not to be confused with Open Philanthropy) – potential follow- up may be beneficial

- China/HK – Meet with George, Keiji, Embassy, CAS, HKU, etc.
  - Embassy is interested in GVP and whether it fits with the US-China scientific partnership

- Seattle (potential)

  - MSR/Vulcan – Main focus is vector-borne diseases (WNV, Zika etc.) Brooke shared meeting notes on Aug 10.

Communications

- Website – has been updated and has new section titled "archived".
- 2 pager – redesigned and has a new look. This will be circulated with the team and uploaded soon.

Technical Updates

- Waterfowl Mapping status – work in progress.
- Budget/lab related

  - Jonna and [redacted] spoke with Ian Lipkin and Thomas Briese at CII. Good conversation.

  - CII team will send us feedback on costs next week (regarding cost, pros and cons for different lab options).

  - First step is to train people from China, Thailand or both, when they have samples. End of 2019-Early 2018?

  - No funding required until next fiscal year.

Working Group Updates

- ELSI - Co-chair update – Ana Ayala has moved to HHS. Ana's position to be succeeded by Sam Halabi (O'Neill, Georgetown U Law and U Missouri Law) who is highly recommended by members. Anna will be our advocate at ASPR.
- Surveillance – Chris KJ is helping with SOP review and distribution
- General Operations – Communications team is helping with website and two-pager

- Metadata platform – Eddy spoke with John Brownstein to plan an EIDITH-like platform. This will overlap with two of the lab-related working groups.

Action items

Eddy – pass arounds notes for Chris Sommerville to GVP team, send to Chris

Brooke - circulate notes from Vulcan call (done)

REDACTED – create SOP folder in GVP google drive (done)

Enjoy the rest of your week!

Best,

REDACTED

REDACTED

Fellow

One Health Institute

School of Veterinary Medicine

University of California, Davis

From: Elizabeth Leasure <ealeasure@ucdavis.edu>
To: Molly Turner <turner@ecohealthalliance.org>, David John Wolking <djwolking@ucdavis.edu>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>, Predict inbox <predict@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Aleksei Chmura <chmura@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Ava Sullivan <sullivan@ecohealthalliance.org>
Subject: RE: Year 4 revised budget
Sent: Tue, 22 Aug 2017 17:46:54 +0000

Thanks! We'll follow up if we have any questions.

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

From: Molly Turner [mailto:turner@ecohealthalliance.org]
Sent: Friday, August 18, 2017 6:14 PM
To: Elizabeth Leasure; David John Wolking
Cc: Jonna Mazet; Predict inbox; Peter Daszak; Aleksei Chmura; Evelyn Luciano; Ava Sullivan
Subject: Year 4 revised budget

Hi Liz and David,

Thanks for all your comments and the quick chat today. Attached please find our revised Year 4 budget based on your feedback and below bullets on what we modified:

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  - Our team is developing the entry tool for the Malaysia human surveillance data, and the updated survey will be sent to CKJ next week.

Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

--
Molly Turner
Federal Grants Coordinator

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From: Cara Chrisman <cchrisman@usaid.gov>
Sent: Tue, 22 Aug 2017 17:38:57 -0400
Subject: Re: Draft note to Science Philanthropy Alliance
To: Eddy Rubin <erubin@metabiota.com>
Cc: Dennis Carroll <dcarroll@usaid.gov>, Jonna Mazet <jkmazet@ucdavis.edu>

Hi Eddy,
Thanks for confirming, Dennis will be back in the office tomorrow and we can move this forward.

Best,
Cara

Cara J. Chrisman, PhD
Senior Infectious Diseases Technical Advisor
Emerging Threats Division
Office of Infectious Disease
Bureau for Global Health
U.S. Agency for International Development (USAID)

Desk: (202) 712-1161
Cell: (202) 674-3231
E-mail: cchrisman@usaid.gov

On Tue, Aug 22, 2017 at 5:04 PM, Eddy Rubin <erubin@metabiota.com> wrote:

Hi Cara

My thought was that Dennis would send Science Philanthropy Alliance a version of the draft note I provided him with.

Eddy

On Thu, Aug 17, 2017 at 9:26 PM, Eddy Rubin <erubin@metabiota.com> wrote:

HI Dennis,

The Science Philanthropy Alliance has several foundation partners and so they are sort of a philanthropy brokerage.

As I mentioned on the GVP call we went to them last time we had an ask for 3 Billion + and it might be useful to have them think of us again with a more realistic ask. I thought that Valerie was very knowledgeable and would at least offer us some advise. Below is a draft not that if you thought it is useful you might send.

Eddy

A draft of a possible note to Marc Kassner President and Valerie Conn Executive Director

Dear Marc & Valerie

A group of us visited with you at the Science Philanthropy Alliance earlier this year in late January to discuss the Global Virome Project. To refresh your memory, this is a large project focused on capturing the metadata and sequences of a significant fraction of the viruses that exist in wildlife that have the potential to jump to humans. The project's central aim is to convert virology into a data rich field so that we can begin to proactively plan for viral

outbreaks and pandemics. The project has advanced and in some ways morphed since we met and I thought that the changes might serve as a reason for us to talk again.

While we had initially expected that it would be a global project funded from a central source several countries have decided that they want to participate and are poised to begin national virome projects and China has already funded and is soon to be generating data for a Chinese Virome Project. What there is now a need for is no longer the funding of the data generation but rather a coordinating non-governmental center or "hub" linked to the national virome projects that are emerging. This is necessary so that the national virome activities are deeply linked to the global project to ensure that the standardization and synergy of the massive data collection is maximized. The hub will contain components of the project that needs to be centralized such as organizational components, governing structures, advisory boards, legal and ethical activities, technology and standards committees and data platforms.

We are now looking to foundations to support the hub and wonder whether playing a leadership role in the Global Virome Project might fit the agenda of any of the Science Philanthropy Alliance's partners. If you have additional questions or thoughts I would be very happy to follow up

Best,

Dennis

From: Cara Chrisman <cchrisman@usaid.gov>
Sent: Tuesday, August 22, 2017 12:23 PM
To: Eddy Rubin
Cc: Dennis Carroll; Jonna Mazet
Subject: Re: Draft note to Science Philanthropy Alliance

Hi Eddy,
I wanted to circle back on this and see if this was still an outstanding item for action or if you and Dennis had followed up?

Thanks,
Cara

Cara J. Chrisman, PhD
Senior Infectious Diseases Technical Advisor
Emerging Threats Division
Office of Infectious Disease
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Desk: (202) 712-1161
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Dennis

From: Elizabeth Leasure <ealeasure@ucdavis.edu>
To: Molly Turner <turner@ecohealthalliance.org>
CC: David John Wolking <djwolking@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent: 8/23/2017 7:43:56 PM
Subject: RE: Year 4 revised budget

The Y4 template that I sent you to revise was for $12,237,199, but we asked you to cut back HQ costs (Global/Admin Management) and make sure country budgets are appropriate for planned Y4 activities. The budget you submitted on 8/15, had somewhat reduced HQ costs and an overall reduction of $87K, but there were some concerns with diagnostic testing budgets in some countries. This most recent version further reduces HQ costs as requested, but the $87K reduction from the 8/15 submission was lost. I thought our direction had been to at least stay within the reduced overall figure from the 8/15 submission ($12,149,975), but it sounds like that was not made clear.

Since we're still waiting on guidance on USAID to move forward with core budgeting, I'm really only addressing Ebola funding at this time. For the Ebola budget specifically, there was a $426K increase from the 8/15 version and a $393K increase from the Ebola amount in the template I sent to you to revise. I'm just trying to understand where the increase came from, hence my question about whether or not there is carryover funded included in any of your numbers. It sounds like there aren't based on your response, so I'll move forward with my review.

Thanks,
Liz

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

From: Molly Turner [mailto:turner@ecohealthalliance.org]
Sent: Wednesday, August 23, 2017 11:49 AM
To: Elizabeth Leasure
Cc: David John Wolking; Jonna Mazet; Predict inbox; Peter Daszak; Aleksei Chmura; Evelyn Luciano; Ava Sullivan
Subject: Re: Year 4 revised budget

Hi Liz,

The budget you sent us to revise was for $1,237,199 ("total USAID"). The revised budget I sent was for $1,237,163.

Molly

On Wed, Aug 23, 2017 at 2:35 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:
Hi Molly and Aleksei. Can one of you please confirm whether or not the budget you sent actually includes rollover funds? I haven't looked at it in detail (I'm working on that now), but it seems that your overall budget went up by $90K from the 8/15 version submitted, and I had thought we discussed trying to reduce. Please clarify.

Thanks,
Liz

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

From: Molly Turner [mailto:turner@ecohealthalliance.org]
Sent: Friday, August 18, 2017 6:14 PM
To: Elizabeth Leasure; David John Wolking
Cc: Jonna Mazet; Predict inbox; Peter Daszak; Aleksei Chmura; Evelyn Luciano; Ava Sullivan
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Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

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Molly Turner
Federal Grants Coordinator

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From:	Molly Turner <turner@ecohealthalliance.org>
To:	David J Wolking <djwolking@ucdavis.edu>
CC:	Liz Leasure <ealeasure@ucdavis.edu>;Dr. Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent:	8/28/2017 5:16:23 PM
Subject:	Re: Year 4 revised budget

Hi David,

Sorry for the delay, I'm just checking into a few things and will get back to you ASAP.

Molly

On Fri, Aug 25, 2017 at 5:35 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Hey Molly and team,

A few quick questions (I hope) on CIV, Bangladesh, and India budgets after finalizing the GHSA country briefs today.

For CIV it looks pretty good given plans, though I'm concerned that the $50/specimen at LANADA is unrealistic for a lab in Africa (IPCI is listed as $150/specimen for comparison; in TZ we go with a likely under budgeted rate of $120/specimen). Any idea how that rate was generated?

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Likewise for India, the SPIPMS rate for testing is $37/specimen and states that it only covers extraction and 2 PCRs. That would only allow for testing of one PREDICT viral family as most of our viral testing requires at least 2 PCR reactions to complete. If using the UCD rate the cost jumps to over $300K for the planned work at all sites.

Nothing on Liberia at this time, I'm not an Ebola Host Project expert as the way sample testing is financed through CII and UCD throughs my methods out the window :-)

I'm sure I'll have questions on the other countries as well but we are prioritizing just the GHSA ones at this time.

Cheers and enjoy the weekend!

David

On Fri, Aug 18, 2017 at 6:14 PM, Molly Turner <turner@ecohealthalliance.org> wrote:

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Best,
Molly

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Molly Turner
Federal Grants Coordinator

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From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Matt Blake <mblake@ucdavis.edu>
Sent: 8/29/2017 6:21:41 PM
Subject: Fwd: EHA Y3/Y4 comparison by country

FYI,
J

---------- Forwarded message ----------
From: **Jonna Mazet** <jkmazet@ucdavis.edu>
Date: Mon, Aug 28, 2017 at 8:02 PM
Subject: Re: EHA Y3/Y4 comparison by country
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Cc: Predict inbox <predict@ucdavis.edu>

One more clarification -- since EHA took on MB's role in China and Indonesia (as well as CdI & RoC), we would expect their budgets to go up commensurate with the MB decrease.
Making sure that MB went down commensurately and that those potential increases in scope were considered in the EHA targets. Liberia would also go up to match EHP funding coming in, but we need to deal with their rollover and cap there.
Sorry, I know some of this is obvious, but I want to make sure we are on the same page and providing the same messages,
J

On Mon, Aug 28, 2017 at 7:51 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:
Thanks for the rapid action,
Jonna

On Mon, Aug 28, 2017 at 11:31 AM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

See attached. There were significant increases in the China (up 165%), Indonesia (up 113%), and Liberia (up 55%) budgets, as well as the Egypt (up 67%) and Jordan (up 63%) budgets. A small portion of these increases are due to moving costs previously attributed to Global to country budgets, but these amounts would be small relative to the overall size of the country budgets.

Now switching gears back to the Y4 Ebola budget….

Elizabeth Leasure

One Health Institute

University of California, Davis

530-754-9034 (office)

530-304-1403 (cell)

From: Molly Turner <turner@ecohealthalliance.org>
To: David J Wolking <djwolking@ucdavis.edu>
CC: Liz Leasure <ealeasure@ucdavis.edu>;Dr. Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent: 8/29/2017 8:04:37 PM
Subject: Re: Year 4 revised budget

Hi David,

I just spoke with Jon and Simon, and we determined that this cost can reasonably be increased to $57/sample to account for testing the same sample for an additional four viral families (they tell me that fortunately the most expensive part of the process is the initial extraction and RT; additional family testing is about $5/additional PCR at CU). Jon is going to speak with the India team further as we think there's simply some misunderstanding on this point, as you suggest. Thank you for catching that.

I've made this change in the attached, with some corresponding reductions to the Thailand and Indonesia budgets, again all highlighted in blue.

Molly

On Tue, Aug 29, 2017 at 10:07 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
I see. Let me check in with Jon today.

On Mon, Aug 28, 2017 at 7:34 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thanks Molly, this is sounding good, I'll take a look with fresh eyes tomorrow. On the SG testing costs, it looks like the budget line item for testing is 2 PCR reactions. I'm not surprised if $37 covers extraction and 2 PCRs, just wondering if it is sufficient to cover costs for all five planned viral families (7 protocols in total and some of them nested PCR reactions which is a fancy way of saying lots of PCRs likely upwards of 10+). We might just want to check that all of that is factored in since our testing platform is so weird for most labs used to a specific pathogen costing exercise.

Cheers,

D

On Mon, Aug 28, 2017 at 2:08 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

As we're still ironing out details with LANADA, $50/sample was a rough estimate based on costs at Simon's lab and the amount of Ebola money we were able to reallocate from global staff salaries. You're right, it's not enough, so I've moved some things around in the Liberia budget so that we can increase to $150/sample while keeping the overall Ebola-funded amount consistent with the last revision.

For Bangladesh, that was my error; I've added back in the Columbia University portion of the Bangladesh budget in the attached, which is where the additional macaque testing takes place. As for the low cost of testing the 2400 samples to be done at icddr,b (the remaining 1740 macaque samples will be done at Columbia), Mindy tells me that Zia is able to get a reduced bulk rate on reagents, which is why the cost per sample is so low. (I was able to reduce some costs in China in order to fund this).

Finally, the cost of testing in India is consistent with what USAID reviewed and approved when they approved our proposed subaward to Sanjay Gandhi, and our lead lab technician there has consistently said this is the cost of testing at his lab in discussions with Jon and Ava. Unfortunately Jon is not in the office today so I couldn't inquire as to why these costs are relatively low, but I can try to find out from him tomorrow when he's back. Harjeet (the lead lab technician at SG) has also provided us with a breakdown of this cost which we are happy to share with you.

Note that I also further increased the RoC testing costs in the attached.

All changes are highlighted in blue.

Best,
Molly

On Mon, Aug 28, 2017 at 1:32 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thank you!

On Mon, Aug 28, 2017 at 10:16 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
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EcoHealth Alliance
460 West 34th Street – 17th floor
New York, NY 10001

1.212.380.4461 (direct)
1.973.752.4627 (cell)
www.ecohealthalliance.org

EcoHealth Alliance leads cutting-edge scientific research into the critical connections between human and wildlife health and delicate ecosystems. With this science, we develop solutions that prevent pandemics and promote conservation.

--
Molly Turner
Federal Grants Coordinator

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	A	B	C	D
1	**PREDICT-2 Budget - Year 4**			
2	**Summary by Country & Fund Source**			
3		**USAID Core**	**USAID EBOLA**	**USAID GVP (Core)**
4				
5	Global	2,177,372	492,530	124,632
6	Administrative Management	432,428	64,165	146,338
7	***Asia***			
8	Bangladesh	974,058		
9	China	791,455		
10	India	960,632		
11	Indonesia	972,078		
12	Malaysia	792,972		
13	Thailand	579,921		
14	**Asia Subtotal**	***5,071,117***	**-**	**-**
15	***Middle East***			
16	Egypt	486,676		
17	Jordan	472,649		
18	**Middle East Subtotal**	***959,324***	**-**	**-**
19	***Africa***			
20	Cote d'Ivoire		767,258	
21	Liberia		1,555,932	
22	RoC	445,975		
23	**Africa Subtotal**	**445,975**	**2,323,189**	**-**
24				
25	**Total**	**9,086,215**	**2,879,884**	**270,969**
26				
27	**TOTAL USAID**	**$ 12,237,069**		
28	**TOTAL Cost Share**	**$ 297,450**		
29		**$ 12,534,519**		

	E	F
1		
2		
3	**Cost Share**	**TOTAL**
4		
5	-	2,794,534
6	67,918	710,848
7		
8	57,860	1,031,918
9	7,828	799,283
10	-	960,632
11	-	972,078
12	-	792,972
13	118,700	698,621
14	***184,388***	***5,255,504***
15		
16	45,145	531,821
17	-	472,649
18	***45,145***	***1,004,469***
19		
20	-	767,258
21	-	1,555,932
22	-	445,975
23	**-**	**2,769,164**
24		
25	**297,450**	**12,534,519**
26		
27		
28		
29		

	A	B
1	**PREDICT-2 Global Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	INSTITUTIONAL LEAD (Peter Daszak)	310,000
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR (Leilani Francisco)	164,800
8	EHA OUTBREAK LEAD (Jon Epstein)	155,000
9	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
10	DISEASE ECOLOGIST (Noam Ross)	83,210
11	DATA ANALYST (Carlos Zambrana-Torrelio)	102,900
12	SURVEILLANCE COORDINATOR (Melinda Rostal)	91,160
13	DATA ANALYST II (Christopher Allen)	105,000
14	LABORATORY ASSISTANT (Eliza Liang-Choi)	56,952
15	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	59,500
16	EHA OPERATIONS MANAGER (Evelyn Luciano)	139,920
17	PROGRAM COORDINATOR (Aleksei Chmura)	122,000
18	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba)	76,000
19	EHA OPERATIONS COORDINATOR (Molly Turner)	65,000
20	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	49,000
21	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
22	MODELING AND ANALYTICS SCIENTIST (Evan Eskew)	66,675
23	MODELING AND DATA ANALYTICS ASSISTANT (Anna Willoughby)	47,700
24	MODELING AND DATA ANALYTICS ASSISTANT II (Cale Basaraba)	58,300
25	RESEARCH ASSISTANT (Janice Liang)	42,400
26	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	60,000
27	MODELING AND ANALYTICS SCIENTIST/COUNTRY LIAISON, MALAYSIA (Allison White)	70,000
28	MODELING AND ANALYTICS SCIENTIST (Erica Johnson)	55,000
29	BEHAVIORAL RISK ASSISTANT I (TBN)	45,000
30	BEHAVIORAL RISK ASSISTANT II (TBN)	50,000
31	FIELD VETERINARIAN (Leticia Gutierrez)	76,000
32	ECONOMIST/ANALYST (Yasha Feferholtz)	80,483
33	SENIOR HEALTH AND POLICY SPECIALIST (Ellen Carlin)	135,000
34		
35	**Salaries Total**	
36		
37	**Fringe Benefits**	
38	INSTITUTIONAL LEAD (Peter Daszak)	97,030
39	EPT PARTNER LIAISON (Billy Karesh)	82,626
40	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR (Leilani Francisco)	51,582
41	EHA OUTBREAK LEAD (Jon Epstein)	48,515
42	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
43	DISEASE ECOLOGIST (Noam Ross)	26,045
44	DATA ANALYST (Carlos Zambrana-Torrelio)	32,208
45	SURVEILLANCE COORDINATOR (Melinda Rostal)	28,533

	A	B
46	DATA ANALYST II (Christopher Allen)	32,865
47	LABORATORY ASSISTANT (Eliza Liang-Choi)	17,826
48	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	18,624
49	EHA OPERATIONS MANAGER (Evelyn Luciano)	43,795
50	PROGRAM COORDINATOR (Aleksei Chmura)	38,186
51	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba)	23,788
52	EHA OPERATIONS COORDINATOR (Molly Turner)	20,345
53	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	15,337
54	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
55	MODELING AND ANALYTICS SCIENTIST (Evan Eskew)	20,869
56	MODELING AND DATA ANALYTICS ASSISTANT (Anna Willoughby)	14,930
57	MODELING AND DATA ANALYTICS ASSISTANT II (Cale Basaraba)	18,248
58	RESEARCH ASSISTANT (Janice Liang)	13,271
59	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	18,780
60	MODELING AND ANALYTICS SCIENTIST/COUNTRY LIAISON, MALAYSIA (Allison White)	21,910
61	MODELING AND ANALYTICS SCIENTIST (Erica Johnson)	17,215
62	BEHAVIORAL RISK ASSISTANT I (TBN)	14,085
63	BEHAVIORAL RISK ASSISTANT II (TBN)	15,650
64	FIELD VETERINARIAN (Leticia Gutierrez)	23,788
65	ECONOMIST/ANALYST (Yasha Feferholtz)	25,191
66	SENIOR HEALTH AND POLICY SPECIALIST (Ellen Carlin)	42,255
67	0	-
68	**Fringe Benefits Total**	
69		
70	**International Travel**	
71	INSTITUTIONAL LEAD (Peter Daszak) to TBD conference to present on PREDICT results or participate in panel	8,280
72	EPT PARTNER LIAISON (Billy Karesh) to USAID EPT Asia meeting	8,895
73	EPT PARTNER LIAISON (Billy Karesh) to FAO/OIE/WHO meetings, Paris, France (OIE); Rome (FAO); Geneva (WHO)	6,754
74	EPT PARTNER LIAISON (Billy Karesh) to USAID Regional, Africa	6,258
75	DATA ANALYST (Carlos Zambrana-Torrelio) to Rome, Italy for meetings with FAO	4,063
76	Other International Travel, including Planning and Outreach Meetings	5,182
77	**Total International Travel**	
78		
79	**Contractual**	
80		
81		
82	**Total Contractual**	
83	**Total Direct Costs**	
84	***Indirect Costs***	
85	***Indirect Costs on Contracts & Subagreements***	
86	**Total Costs**	
87		

	C	D	E	F	G
1					
2	**UNIT # / LOE %**	**USAID Core**	**USAID EBOLA**	**USAID GVP**	**Cost Share**
3					
4					
5	32%	45,632	29,760	23,808	
6	41%	64,939	43,293		
7	100%	107,120	57,680		
8	10%	13,950	1,550		
9	45%	63,000			
10	80%	66,568			
11	59%	46,747		13,964	
12	20%	16,409	1,823		
13	40%	42,000			
14	100%	51,257	5,695		
15	75%	29,006	15,619		
16	90%	113,335	12,593		
17	52%	57,096	6,344		
18	49%	37,240			
19	100%	48,750	16,250		
20	75%	33,075	3,675		
21	33%	22,110			
22	100%	66,675			
23	90%	42,930			
24	100%	58,300			
25	15%	5,724	636		
26	0%	-			
27	20%	14,000			
28	40%	22,000			
29	100%	29,250	15,750		
30	100%	32,500	17,500		
31	100%	38,000	38,000		
32	28%			22,535	
33	30%	40,500			
34		-			
35		**1,208,114**	**266,168**	**60,307**	-
36					
37	**31.30%**				
38	32%	15,525	8,383	7,141	
39	41%	22,020	11,857		
40	100%	33,529	18,054		
41	10%	2,426	2,426		
42	45%	19,719			
43	80%	20,836			
44	59%	14,632		4,371	
45	20%	5,136	571		

	C	D	E	F	G
46	40%	13,146			
47	100%	16,043	1,783		
48	75%	9,079	4,889		
49	90%	35,474	3,942		
50	52%	17,871	1,986		
51	49%	11,656			
52	100%	15,259	5,086		
53	75%	10,352	1,150		
54	33%	6,920			
55	100%	20,869			
56	90%	13,437			
57	100%	18,248			
58	15%	1,792	199		
59	80%	15,024			
60	20%	4,382			
61	40%	6,886			
62	100%	9,155	4,930		
63	100%	10,173	5,478		
64	100%	11,894	11,894		
65	28%			7,053	
66	30%	12,677			
67	0%	-			
68		**394,159**	**82,626**	**18,565**	**-**
69					
70					
71	1	8,280			
72	1	8,895			
73	5	21,951	11,820		
74	2		12,516		
75	2	8,126			
76	3			15,546	
77		**47,252**	**24,336**	**15,546**	**-**
78					
79					
80		-	-	-	
81		-	-	-	
82		**-**	**-**	**-**	**-**
83		**1,649,524**	**373,129**	**94,418**	**-**
84	***32.0%***	*527,848*	*119,401*	*30,214*	-
85	***32.0%***	-	-	-	
86		**2,177,372**	**492,530**	**124,632**	**-**
87					

	H
1	
2	**Year 4 Total**
3	
4	
5	**99,200**
6	**108,232**
7	**164,800**
8	**15,500**
9	**63,000**
10	**66,568**
11	**60,711**
12	**18,232**
13	**42,000**
14	**56,952**
15	**44,625**
16	**125,928**
17	**63,440**
18	**37,240**
19	**65,000**
20	**36,750**
21	**22,110**
22	**66,675**
23	**42,930**
24	**58,300**
25	**6,360**
26	**-**
27	**14,000**
28	**22,000**
29	**45,000**
30	**50,000**
31	**76,000**
32	**22,535**
33	**40,500**
34	**-**
35	**1,534,588**
36	
37	
38	**31,050**
39	**33,877**
40	**51,582**
41	**4,852**
42	**19,719**
43	**20,836**
44	**19,003**
45	**5,707**

	H
46	**13,146**
47	**17,826**
48	**13,968**
49	**39,415**
50	**19,857**
51	**11,656**
52	**20,345**
53	**11,503**
54	**6,920**
55	**20,869**
56	**13,437**
57	**18,248**
58	**1,991**
59	**15,024**
60	**4,382**
61	**6,886**
62	**14,085**
63	**15,650**
64	**23,788**
65	**7,053**
66	**12,677**
67	**-**
68	**495,350**
69	
70	
71	**8,280**
72	**8,895**
73	**33,770**
74	**12,516**
75	**8,126**
76	**15,546**
77	**87,133**
78	
79	
80	**-**
81	**-**
82	**-**
83	**2,117,071**
84	*677,463*
85	-
86	**2,794,534**
87	

	A	B
1	**PREDICT-2 Administrative Management Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	PROGRAM ASSISTANT I (Alison Andre)	65,000
6	PROGRAM ASSISTANT II (Brian Baker)	44,520
7	PROGRAM ASSISTANT III (Amanda Andre)	49,000
8	PUBLIC OUTREACH COORDINATOR (Anthony Ramos)	131,250
9	FINANCE COORDINATOR II (Joseph Ricardi)	75,000
10	RESEARCH SCIENTIST (Brooke Watson)	65,000
11	**Salaries Total**	
12		
13	**Fringe Benefits**	
14	PROGRAM ASSISTANT I (Alison Andre)	20,345
15	PROGRAM ASSISTANT II (Brian Baker)	13,935
16	PROGRAM ASSISTANT III (Amanda Andre)	15,337
17	PUBLIC OUTREACH COORDINATOR (Anthony Ramos)	41,081
18	FINANCE COORDINATOR II (Joseph Ricardi)	23,475
19	RESEARCH SCIENTIST (Brooke Watson)	20,345
20	**Fringe Benefits Total**	
21		
22	**Domestic Travel**	
23	INSTITUTIONAL LEAD (Peter Daszak) to USAID meeting, Wash. DC; 4 trips	1,200
24	EPT PARTNER LIAISON (Billy Karesh) to USAID meeting, Wash. DC; 4 trips	1,200
25	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to USAID meeting, Wash. DC; 4 trips	1,200
26	INSTITUTIONAL LEAD (Peter Daszak) to IOM meeting, Wash. DC; 4 trips	1,200
27	EPT PARTNER LIAISON (Billy Karesh)to IOM or EBOLA meetings, Wash. DC	1,200
28	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to IOM meeting, Wash. DC	1,200
29	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival) to IOM meeting, Wash. DC	1,200
30	OUTBREAK COORDINATOR (Jon Epstein) to IOM meeting, Wash., DC	1,200
31	INSTITUTIONAL LEAD (Peter Daszak) to PREDICT Meeting at UCDavis; 1trip	1,734
32	EPT PARTNER LIAISON (Billy Karesh) to PREDICT Meeting at UCDavis; 1trip	1,734
33	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to PREDICT Meeting at UCDavis; 1trip	1,734
34	OUTBREAK COORDINATOR (Jon Epstein) to PREDICT Meeting at UCDavis; 1trip	1,734
35	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival) to PREDICT Meeting at UCDavis; 1trip	1,734
36	ASSISTANT BEHAVIORAL RISK & DATA ANALYST (Emily Hagan) to PREDICT Meeting at UCDavis; 1trip	1,734
37	DATA ANALYST (Carlos Zambrana-Torrelio) to PREDICT Meeting at UCDavis; 1trip	1,734
38	BEHAVIORAL RISK & DATA ANALYST (TBN) to PREDICT Meeting at UCDavis; 1trip	1,734
39	WILDLIFE TRADE SPECIALIST (Melinda Rostal) to PREDICT Meeting at UCDavis; 1trip	1,734
40	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba) to APHA conference, Chicago, IL	1,150

	A	B
41	Other Domestic Travel, including Planning and Outreach Meetings	1,752
42		
43		
44	**Total Domestic Travel**	
45		
46	**Supplies**	
47	Central Office Suplies (incl. reference materials)	1,313
48	Computer purchases, computer supplies, software purchases and licensing	17,589
49	Shipping (EHA)	5,250
50	Communications (cell phones, conference line, Skype, remote wireless internet)	2,800
51	Web and Data Hosting	438
52	EHA Field supplies	10,815
53	**Total Supplies**	
54		
55	**Other Costs**	
56	Web hosting costs for One Health web events	500
57	Recruiting	32,800
58	Publication Costs & Professional Memberships	51,000
59	Bank wire/transfer fees	5,000
60	Tuition reimbursement	26,500
61	**Total Other Costs**	
62	**Total Direct Costs**	
63	***Indirect Costs***	
64	**Total Costs**	

	C	D	E	F	G	H
1						
2	**UNIT # / LOE %**	**USAID Core**	**USAID EBOLA**	**USAID GVP**	**Cost Share**	**Year 4 Total**
3						
4						
5	55%	32,175	3,575			**35,750**
6	100%	40,068	4,452			**44,520**
7	28%	12,348	1,372			**13,720**
8	19%				24,938	**24,938**
9	19%				14,250	**14,250**
10	95%			61,750		**61,750**
11		**84,591**	**9,399**	**61,750**	**39,188**	**194,928**
12						
13	**31.30%**					
14	55%	10,071	1,119			**11,190**
15	100%	12,541	1,393			**13,935**
16	28%	3,865	429			**4,294**
17	19%				7,805	**7,805**
18	19%				4,460	**4,460**
19	95%			19,328		**19,328**
20		**26,477**	**2,942**	**19,328**	**12,266**	**61,012**
21						
22						
23	4	3,840	960			**4,800**
24	4	3,120	1,680			**4,800**
25	4	2,400	2,400			**4,800**
26	4	3,840	960			**4,800**
27	4	3,120	1,680			**4,800**
28	4	2,400	2,400			**4,800**
29	4	4,800				**4,800**
30	4	2,400	2,400			**4,800**
31	1	1,387	347			**1,734**
32	1	1,127	607			**1,734**
33	1	867	867			**1,734**
34	1	867	867			**1,734**
35	1	1,734				**1,734**
36	1	1,127	607			**1,734**
37	1	1,734				**1,734**
38	1	1,127	607			**1,734**
39	1	1,561	173			**1,734**
40	1	1,150				**1,150**

	C	D	E	F	G	H
41	17			29,784		**29,784**
42						**-**
43						**-**
44		**38,601**	**16,555**	**29,784**	**-**	**84,940**
45						
46						
47	12	14,180	1,576	-		**15,756**
48	1	15,830	1,759	-		**17,589**
49	1	4,725	525	-		**5,250**
50	12	30,240	3,360	-		**33,600**
51	12	4,730	526	-		**5,256**
52	1	9,734	1,082	-		**10,815**
53		**79,439**	**8,827**	-	-	**88,266**
54						
55						
56	1	500		-		**500**
57	1	29,520	3,280	-		**32,800**
58	1	45,900	5,100	-		**51,000**
59	1	4,500	500	-		**5,000**
60	1	23,850	2,650	-		**26,500**
61		**104,270**	**11,530**	**-**	**-**	**115,800**
62		**333,378**	**49,252**	**110,862**	**51,453**	**544,946**
63	***32.0%***	*99,049*	*14,913*	*35,476*	*16,465*	*165,903*
64		**432,428**	**64,165**	**146,338**	**67,918**	**710,848**

	A	B
1	**PREDICT-2 Bangladesh Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	59,500
6	EHA OUTBREAK LEAD (Jon Epstein)	152,250
7	SURVEILLANCE COORDINATOR (Melinda Rostal)	90,300
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	18,624
12	EHA OUTBREAK LEAD (Jon Epstein)	47,654
13	SURVEILLANCE COORDINATOR (Melinda Rostal)	28,264
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners (3 travelers)	4,704
18	Sampling trip (2 travelers)	9,401
19	**Total International Travel**	
20		
21	**Contractual**	
22	icddr,b subagreement (detail below)	
23	IEDCR subagreement (detail below)	
24	Columbia University subagreement (detail below)	
25	Ariful Islam (detail below)	
26	Faridpur Medical College (FMC) Hospital (detail below)	
27	Dhaka Medical Colege (DMC) Hospital (detail below)	
28	Dinajpur Medical College Hospital (detail below)	
29	Rajshahi Medical College Hospital(detail below)	
30	**Total Contractual**	
31		
32	**Supplies**	
33		
34		
35	**Total Supplies**	
36		
37	**Other Costs**	
38		
39	**Total Other Costs**	
40	**Total Direct Costs**	
41	***Indirect Costs***	***32.0%***
42	***Indirect Costs on Contracts & Subagreements***	***32.0%***
43	***EHA Global - see tab for details***	
44	**Total Costs**	

	A	B
45		
46	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to icddr,b**	
47	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
48		
49	**Salaries**	
50	Dr. Mustafizur Rahman; Scientist	32,188
51	Dr. Md. Enyaet Hossain	23,756
52	Dr. Mustafizur Rahman	41,283
53	Md. Tarikul Islam; Assistant Coordination Manager	17,306
54	Research Officer (FT)	8,334
55	Research Officer	5,436
56	Attendent (FT)	6,246
57	Director, Finance	17,550
58	Director, HR	20,250
59	**Salaries Total**	
60		
61	**International Travel**	
62		
63	**Total International Travel**	
64		
65	**Diagnostics**	
66	TriZOl (bulk)	5,000
67	Reagents for sample processing (cost per sample)	3
68	Nucleic acid extraction	7
69	cDNA preparation	8
70	PCR detection	3
71	Sequencing	10
72	Consumables (pipettes, test tubes)(bulk)	1
73	Barcoding, positive samples (additional extraction, PCR (1 test), and sequencing)	20
74	Barcoding, negative samples (PCR (1 test) and sequencing)	13
75	**Diagnostics Total**	
76		
77	**Other Costs**	
78	RT-PCR machine; BioRad CFX96 Touch usage	17,860
79		
80	**Total Other Costs**	
81	**Total Direct Costs**	
82	***icddr,b Indirect Costs***	
83	**Total Costs**	
84		
85	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to IEDCR**	
86	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
87		
88	**Salaries**	
89	Project Manager (Local PI) -Director IEDCR	35,000

	A	B
90	New Research Officer (Laboratory) - Dr. Josefina Abedin	15,780
91	Medical technologist	4,680
92	Field Anthropologist-Moshumi	9,360
93	Field Anthropologist-Shakil	9,360
94	New Field Vet (Epi) Dr. kaiser	15,780
95	Field Coordinator Epidemiology - Dr. Sharif	18,265
96	Senior Field Research Assistant- Mr. Mamun	6,253
97	**Salaries Total**	
98		
99	**Fringe Benefits**	
100	Project Manager (Local PI) -Director IEDCR	12,250
101	New Research Officer (Laboratory) - Dr. Josefina Abedin	5,523
102	Medical technologist	1,638
103	Field Anthropologist-Moshumi	3,276
104	Field Anthropologist-Shakil	3,276
105	New Field Vet (Epi) Dr. kaiser	5,523
106	Field Coordinator Epidemiology - Dr. Sharif	6,393
107	Senior Field Research Assistant- Mr. Mamun	2,189
108	**Fringe Benefits Total**	
109		
110	**Domestic Travel**	
111	Transportation (cost per trip)	1,450
112	Meal and accomodation (cost per trip)	1,200
113	**Total Domestic Travel**	
114		
115	**Diagnostics**	
116	Human sample testing (5 priority families)	74
117	Outbreak diagnostics	66
118	**Total Diagnostics**	
119		
120	**Supplies**	
121	Field supplies (PPE, syringes, etc.)	1,583
122		
123	**Total Supplies**	
124		
125	**Other Costs**	
126	Data translation and Transcription	10
127	Acknowledgements for human subject participants	20
128	Stakeholder coordination meeting	800
129	**Total Other Costs**	
130	**Total Direct Costs**	
131	***IEDCR Indirect Costs***	
132	**Total Costs**	
133		
134	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to Columbia University**	

	A	B
135	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
136		
137	**Salaries**	
138	Simon Anthony - Associate Research Scientist	125,000
139	Isa Navarette - Senior Technician	50,375
140	Alex Petrosov - Deep Sequencing Technician	55,413
141	Bohyun Lee - Bioinformatics	54,737
142	Brittany Miller - Project Manager	56,067
143	**Salaries Total**	
144		
145	**Fringe Benefits**	
146	Simon Anthony - Associate Research Scientist	-
147	Isa Navarette - Senior Technician	-
148	Alex Petrosov - Deep Sequencing Technician	-
149	Bohyun Lee - Bioinformatics	-
150	Brittany Miller - Project Manager	-
151	**Fringe Benefits Total**	
152		
153	**Diagnostics**	
154	Cost per sample for testing for all five viral families, including initial extraction	50
155		
156	**Total Diagnostics**	
157		
158	**Other costs**	
159	Sanger sequencing of approximately 750 positive samples (8 sequences each, $5/sequence)	41
160	**Total other costs**	
161	**Total Direct Costs**	
162	***Indirect costs***	
163	**Total Costs**	
164		
165	**PREDICT-2 Bangladesh Year 4 Budget - EHA contract to Ariful Islam (consultant)**	
166	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
167		
168	**Salaries**	
169	Program Coordinator Ariful Islam	61,425
170	Senior Field technician Pitu	4,875
171	Senior Field Technician Gafur	4,394
172	Field technician Abdul Hai	4,225
173		
174	**Salaries Total**	
175		
176	**Fringe Benefits**	
177	Program Coordinator Ariful Islam	9,982

	A	B
178	Insurance coverage for field team	570
179		
180	**Fringe Benefits Total**	
181		
182	**Domestic Travel**	
183	Official local transport/vehicle cost	890
184	Transport cost for field work, Macaque sampling (cost per trip)	1275
185	Meal, accomodation and other expenses, Macaque sampling (cost per trip)	995
186	Transport cost for field work, non-invasive macaque sampling (cost per trip)	690
187	Meal, accomodation and other expenses, non-invasive macaque sampling (cost per trip)	525
188	Transport cost for field work, bat and rodent sampling (cost per trip)	1276
189	Meal, accomodation and other expenses, bat and rodent sampling (cost per trip)	920
190	Per diem for forestry personnel (cost per trip)	475
191	**Total Domestic Travel**	
192		
193	**International Travel**	
194		
195	**Total International Travel**	
196		
197	**Supplies**	
198	Stationary and office supplies	250
199	Field expenses, outbreak response	5,000
200	Sampling consumables (pipettes, swabs, PPE), macaque sampling (cost per trip)	1,230
201	Sampling consumables, non-invasive macaque sampling (cost per trip)	825
202	Sampling consumables, bat and rodent sampling (cost per trip)	1,250
203	**Total Supplies**	
204		
205	**Other Costs**	
206	Wildlife AMR bacterial project work at CVASU and BLRI (culture and sensitvity experiments using fecal samples)	6,000
207	Office rent	325
208	Telephone, PREDICT calls, internet and mobile card (monthly)	450
209	Bank fees	1,404
210	**Total Other Costs**	
211	**Total Direct Costs**	
212	***No Indirect Costs***	
213	**Total Costs**	
214		
215	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement Faridpur Medical College (FMC) Hospital**	
216	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
217		
218	**Salaries**	
219	Clinician	15,000
220	Phlebotomist or nurse	15,000

	A	B
221	**Salaries Total**	
222	**Total Direct Costs**	
223	***Indirect Costs***	
224	**Total Costs**	
225		
226	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to Dhaka Medical Colege (DMC) Hospital**	
227	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
228		
229	**Salaries**	
230	Clinician	15,000
231	Phlebotomist or nurse	15,000
232	**Salaries Total**	
233	**Total Direct Costs**	
234	***Indirect Costs***	
235	**Total Costs**	
236		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	25%	14,875		**14,875**
6	10%	15,225		**15,225**
7	10%	9,030		**9,030**
8		**39,130**	**-**	**39,130**
9				
10	**31.30%**			
11	25%	4,656		**4,656**
12	10%	4,765		**4,765**
13	10%	2,826		**2,826**
14		**12,248**	**-**	**12,248**
15				
16				
17	3	14,112		**14,112**
18	2	18,802		**18,802**
19		**32,914**	**-**	**32,914**
20				
21				
22		148,481	17,860	**166,341**
23		223,372	-	**223,372**
24		192,442	40,000	**232,442**
25		188,185	-	**188,185**
26		18,975	-	**18,975**
27		18,975	-	**18,975**
28		-	-	**-**
29		-	-	**-**
30		**790,430**	**57,860**	**848,290**
31				
32				
33		-		**-**
34		-		**-**
35		**-**	**-**	**-**
36				
37				
38		-		**-**
39		**-**	**-**	**-**
40		**874,722**	**57,860**	**932,582**
41		*26,973*	-	*26,973*
42		*72,363*		*72,363*
43				-
44		**974,058**	**57,860**	**1,031,918**

	C	D	E	F
45				
46				
47	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
48				
49				
50	25%	8,047		**8,047**
51	25%	5,939		**5,939**
52	12%	4,954		**4,954**
53	16%	2,769		**2,769**
54	100%	8,334		**8,334**
55	100%	5,436		**5,436**
56	50%	3,123		**3,123**
57	2%	351		**351**
58	2%	405		**405**
59		**39,358**	**-**	**39,358**
60				
61				
62		-		**-**
63		**-**	**-**	**-**
64				
65				
66	1	5,000		**5,000**
67	2,400	7,500		**7,500**
68	2,400	17,500		**17,500**
69	2,400	18,000		**18,000**
70	12,000	30,000		**30,000**
71	300	3,000		**3,000**
72	2,400	2,500		**2,500**
73	300	5,938		**5,938**
74	495	6,188		**6,188**
75		**95,625**	**-**	**95,625**
76				
77				
78	1	-	17,860	**17,860**
79		-		**-**
80		**-**	**17,860**	**17,860**
81		**134,983**	**17,860**	**152,843**
82	**10.0%**	*13,498*	-	*13,498*
83		**148,481**	**17,860**	**166,341**
84				
85				
86	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
87				
88				
89	15%	5,250		**5,250**

	C	D	E	F
90	83%	13,097		**13,097**
91	83%	3,884		**3,884**
92	83%	7,769		**7,769**
93	83%	7,769		**7,769**
94	83%	13,097		**13,097**
95	100%	18,265		**18,265**
96	100%	6,253		**6,253**
97		**75,385**	-	**75,385**
98	**35.0%**			
99				
100	15%	1,838		**1,838**
101	83%	4,584		**4,584**
102	83%	1,360		**1,360**
103	83%	2,719		**2,719**
104	83%	2,719		**2,719**
105	83%	4,584		**4,584**
106	100%	6,393		**6,393**
107	100%	2,189		**2,189**
108		**26,385**	-	**26,385**
109				
110				
111	9	13,050		**13,050**
112	9	10,800		**10,800**
113		**23,850**	-	**23,850**
114				
115				
116	600	44,550		**44,550**
117	100	6,600		**6,600**
118		**51,150**	-	**51,150**
119				
120				
121	12	18,996		**18,996**
122		-		-
123		**18,996**	-	**18,996**
124				
125				
126	450	4,500		**4,500**
127	100	2,000		**2,000**
128	1	800		**800**
129		**7,300**	-	**7,300**
130		**203,065**	-	**203,065**
131	**10.0%**	*20,307*	-	*20,307*
132		**223,372**	-	**223,372**
133				
134				

	C	D	E	F
135	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
136				
137				
138	22%	27,500		**27,500**
139	30%	15,113		**15,113**
140	17%	9,237		**9,237**
141	8%	4,560		**4,560**
142	3%	1,867		**1,867**
143		**58,276**	**-**	**58,276**
144	**28.2%**			
145				
146	22%	-		-
147	30%	-		-
148	17%	-		-
149	8%	-		-
150	3%	-		-
151		-	-	-
152				
153				
154	1740	87,000		**87,000**
155		-		-
156		**87,000**	**-**	**87,000**
157				
158				
159	0	(25,000)	25,000	-
160		**(25,000)**	**25,000**	-
161		**120,276**	**25,000**	**145,276**
162	**60.0%**	*72,166*	*15,000*	*87,166*
163		**192,442**	**40,000**	**232,442**
164				
165				
166	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
167				
168				
169	100%	61,425		**61,425**
170	100%	4,875		**4,875**
171	100%	4,394		**4,394**
172	100%	4,225		**4,225**
173		-		-
174		**74,919**	**-**	**74,919**
175	**16.25%**			
176				
177	100.0%	9,982		**9,982**

	C	D	E	F
178	12	6,840		**6,840**
179		-		-
180		**16,822**	-	**16,822**
181				
182				
183	12	10,680		**10,680**
184	2	2,550		**2,550**
185	2	1,990		**1,990**
186	6	4,140		**4,140**
187	6	3,150		**3,150**
188	6	7,656		**7,656**
189	6	5,520		**5,520**
190	12	5,700		**5,700**
191		**41,386**	-	**41,386**
192				
193				
194		-		-
195		-	-	-
196				
197				
198	12	3,000		**3,000**
199	1	5,000		**5,000**
200	2	2,460		**2,460**
201	6	4,950		**4,950**
202	6	7,500		**7,500**
203		**22,910**	-	**22,910**
204				
205				
206	1	6,000		**6,000**
207	12	3,900		**3,900**
208	12	5,400		**5,400**
209	12	16,848		**16,848**
210		**32,148**	-	**32,148**
211		**188,185**	-	**188,185**
212	**0.0%**	-	-	-
213		**188,185**	-	**188,185**
214				
215				
216	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
217				
218				
219	15%	2,250		**2,250**
220	100%	15,000		**15,000**

	C	D	E	F
221		**17,250**	**-**	**17,250**
222		**17,250**	-	17,250
223	***10.0%***	*1,725*	-	1,725
224		**18,975**	**-**	**18,975**
225				
226				
227	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
228				
229				
230	15%	2,250		**2,250**
231	100%	15,000		**15,000**
232		**17,250**	**-**	**17,250**
233		**17,250**	**-**	17,250
234	***10.0%***	*1,725*	-	1,725
235		**18,975**	**-**	**18,975**
236				

	A	B
1	**PREDICT-2 China Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	CHINA COUNTRY LIAISON (TBN)	50,000
6	INSTITUTIONAL LEAD (Peter Daszak)	310,000
7	PROGRAM COORDINATOR (Aleksei Chmura)	122,000
8	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	60,000
9	**Salaries Total**	
10		
11	**Fringe Benefits**	
12	CHINA COUNTRY LIAISON (TBN)	15,650
13	INSTITUTIONAL LEAD (Peter Daszak)	97,030
14	PROGRAM COORDINATOR (Aleksei Chmura)	38,186
15	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	18,780
16	**Fringe Benefits Total**	
17		
18	**International Travel**	
19	Scoping visit/meetings with in-country partners	4,039
20	Sampling trip	10,165
21		
22		
23	**Total International Travel**	
24		
25	**Contractual**	
26	Institute of Microbiology, Chinese Academy of Sciences (detail below)	
27	Wuhan Institute of Virology subagreement (detail below)	
28	Guangdong School of Public Health (detail below)	
29	Yunnan Institute of Endemic Diseases Control and Prevention (detail below)	
30	Institute of Pathogen Biology, Chinese Academy of Medical Sciences (detail below)	
31	GuangJian Zhu (field technician/coordinator)(includes stipend, field supplies, travel costs)	264,705
32	**Total Contractual**	
33		
34	**Supplies**	
35		
36		
37	**Total Supplies**	
38	**Total Direct Costs**	
39	***Indirect Costs***	
40	***Indirect Costs on Contracts & Subagreements***	
41	***EHA Global - see tab for details***	
42	**Total Costs**	
43		
44	**PREDICT-2 China Year 4 Budget - EHA subagreement to Institute of Microbiology, Chinese Academy of Sciences**	

	A	B
45	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
46		
47	**Salaries**	
48	Dr. Yueying Jiao (full time)	19,697
49	Lab technician (TBN)	8,182
50	Lab technician II (TBN)	8,182
51	**Salaries Total**	
52		
53	**Domestic Travel**	
54		
55		
56	**Total Domestic Travel**	
57		
58	**Diagnostics**	
59	Direct-zol™ RNA MiniPrep (cost per reaction)	38
60	SUPERSCRIPT III REV TRANSCRIPT 10,000 UN (50 reactions)	21,641
61	dNTP Mix, 10 mM each (4*0.25ml)	278
62	Recombinant RNase Inhibitor(125ul/5000U)	855
63	PLATINUM TAQ DNA POLYMERASE (250*25ul reactions)	2,245
64	Random primer (100 reactions)	273
65	Primer synthesis (bp)	303
66	**Total Diagnostics**	
67		
68	**Supplies**	
69	Lab consumable (i.e. pipette and tubes)	7,576
70	Other reagents	1,515
71	**Total Supplies**	
72	**Total Direct Costs**	
73	***Indirect Costs***	
74	**Total Costs**	
75		
76	**PREDICT-2 China Year 4 Budget - EHA subagreement to Wuhan Institute of Virology**	
77	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
78		
79	**Salaries**	
80	Project Coordinator -- lab, Z.SHI (WIV)	85,000
81	Technician I	24,000
82	Technician II	24,000
83	Research Assistant I	24,000
84	Research Assistant II	24,000
85	**Salaries Total**	
86		
87	**Domestic Travel**	
88	Travel to meetings within China	1,798

	A	B
89		
90	**Total Domestic Travel**	
91		
92	**International Travel**	
93	Regional EPT meeting	1,000
94	**Total International Travel**	
95		
96	**Diagnostics**	
97	Cost per sample for extraction (2 samples per human and non-human animal)	6
98	Cost per sample for RT-PCR assays for all 5 viral families	31
99	Sequencing (assuming 10% positive)	2
100	Serology (Human Samples only) - ELISA (for each viral family)	8
101	Next Generation Sequencing	299
102		
103	**Total Diagnostics**	
104		
105	**Supplies**	
106		
107		
108	**Total Supplies**	
109		
110	**Other Costs**	
111	Freezer storage	1,223
112	**Total Other Costs**	
113	**Total Direct Costs**	
114	***Indirect Costs***	
115	**Total Costs**	
116		
117	**PREDICT-2 China Year 4 Budget - EHA subagreement to Guangdong Institute of Public Health**	
118	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
119		
120	**Salaries**	
121	Laboratory Technician	21,600
122	Behavioral Coordinator	21,600
123		
124	**Salaries Total**	
125		
126	**Domestic Travel**	
127	Field Travel (intra-Guangdong) ($400/day)	400
128	Field Travel (intra-Guangdong) ($400/day)	400
129	**Total Domestic Travel**	
130		
131	**International Travel**	
132	Travel to an international meeting for the Lab Tech or Behavioral Coordinator	3,500
133	**Total International Travel**	

	A	B
134		
135	**Diagnostics**	
136	PREDICT reagents and consumables	12
137	Sequencing	15
138		
139	**Total Diagnostics**	
140		
141	**Supplies**	
142	Biological sample collection supplies	5
143	Behavioral sample collection supplies	3
144	**Total Supplies**	
145		
146	**Other Costs**	
147		
148		
149		
150		
151		
152	**Total Other Costs**	
153	**Total Direct Costs**	
154	***Indirect Costs***	
155	**Total Costs**	
156		
157	**PREDICT-2 China Year 4 Budget - EHA subagreement to Yunnan Institute of Endemic Diseases Control and Prevention**	
158	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
159		
160	**Stipends**	
161	Graduate student I (stipend, 3 field trips)	580
162	Graduate student II (stipend, 3 field trips)	580
163	Graduate student III (stipend, 3 field trips)	580
164	Graduate student IV (stipend, 3 field trips)	580
165	Graduate student V (stipend, 3 field trips)	580
166	Local guide (stipend, 3 field trips)	435
167		
168	**Total Stipends**	
169		
170	**Equipment**	
171		
172		
173	**Total Equipment**	
174	**Total Direct Costs**	
175	***Indirect Costs***	
176	**Total Costs**	
177		

	A	B
178	**PREDICT-2 China Year 4 Budget - EHA subagreement to Institute of Pathogen Biology, Chinese Academy of Sciences**	
179	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
180		
181	**Salaries**	
182	Dr. Zhiqiang Wu	19,697
183	Lab Technician I (TBN)	8,182
184	Lab Technician II (TBN)	8,182
185		
186	**Salaries Total**	
187		
188	**Domestic Travel**	
189		
190		
191	**Total Domestic Travel**	
192		
193	**Diagnostics**	
194	Direct-zol™ RNA MiniPrep (200 reactions)	7,661
195	SUPERSCRIPT III REV TRANSCRIPT 10,000 UN (50 reactions)	21,641
196	dNTP Mix, 10 mM each (4*0.25ml)	278
197	Recombinant RNase Inhibitor(125ul/5000U)	855
198	PLATINUM TAQ DNA POLYMERASE (250*25ul reactions)	2,245
199	Random primer (100 reactions)	273
200	Primer synthesis (bp)	303
201	**Total Diagnostics**	
202		
203	**Supplies**	
204	Lab consumable (i.e. pipette and tubes)	7,576
205	Other reagents	1,515
206	**Total Supplies**	
207	**Total Direct Costs**	
208	***Indirect Costs***	
209	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	0%	-		-
6	5%	15,500		**15,500**
7	10%	12,200		**12,200**
8	80%	48,000		**48,000**
9		**75,700**	-	**75,700**
10				
11	**31.30%**			
12	0%	-		-
13	5%	4,852		**4,852**
14	10%	3,819		**3,819**
15	80%	15,024		**15,024**
16		**23,694**	-	**23,694**
17				
18				
19	2	8,078		**8,078**
20	2	20,331		**20,331**
21		-		-
22		-		-
23		**28,409**	-	**28,409**
24				
25				
26		77,246	-	**77,246**
27		177,093	7,828	**184,921**
28		-	-	-
29		11,006	-	**11,006**
30		-	-	-
31	1	264,705		**264,705**
32		**530,050**	**7,828**	**537,878**
33				
34				
35		-		-
36		-		-
37		-	-	-
38		**657,853**	**7,828**	**665,680**
39	***32.0%***	*40,897*	-	*40,897*
40	***32.0%***	*92,706*		*92,706*
41				-
42		**791,455**	**7,828**	**799,283**
43				
44				

	C	D	E	F
45	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
46				
47				
48	100%	19,697		**19,697**
49	50%	4,091		**4,091**
50	50%	4,091		**4,091**
51		**27,879**	**-**	**27,879**
52				
53				
54		-		-
55		-		-
56		-	-	-
57		.		
58				
59	200	7,660		**7,660**
60	1	21,641		**21,641**
61	1	278		**278**
62	1	855		**855**
63	1	2,245		**2,245**
64	1	273		**273**
65	1	303		**303**
66		**33,254**	**-**	**33,254**
67				
68				
69	1	7,576		**7,576**
70	1	1,515		**1,515**
71		**9,091**	**-**	**9,091**
72		**70,224**	**-**	**70,224**
73	***10.00%***	*7,022*	-	*7,022*
74		**77,246**	**-**	**77,246**
75				
76				
77	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
78				
79				
80	9%	6,480	1,000	**7,480**
81	34%	8,040		**8,040**
82	34%	8,040		**8,040**
83	34%	8,040		**8,040**
84	34%	8,040		**8,040**
85		**38,640**	**1,000**	**39,640**
86				
87				
88	3	501	4,893	**5,394**

	C	D	E	F
89		-		-
90		**501**	**4,893**	**5,394**
91				
92				
93	3	3,000		**3,000**
94		**3,000**	-	**3,000**
95				
96				
97	4800	28,800		**28,800**
98	2400	74,400		**74,400**
99	240	480		**480**
100	960	7,987		**7,987**
101	24	7,186		**7,186**
102		-		-
103		**118,853**	-	**118,853**
104				
105				
106		-		-
107		-		-
108		-	-	-
109				
110				
111	1	-	1,223	**1,223**
112		-	**1,223**	**1,223**
113		**160,994**	**7,116**	**168,110**
114	***10.00%***	*16,099*	*712*	*16,811*
115		**177,093**	**7,828**	**184,921**
116				
117				
118	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
119				
120				
121	0%	-		-
122	0%	-		-
123		-		-
124		-	-	-
125				
126				
127	0	-		-
128	0	-		-
129		-	-	-
130				
131				
132	0	-		-
133		-	-	-

	C	D	E	F
134				
135				
136	0	-		-
137	0	-		-
138		-		-
139		-	-	-
140				
141				
142	0	-		-
143	0	-		-
144		-	-	-
145				
146				
147		-		-
148		-		-
149		-		-
150		-		-
151		-		-
152		-	-	-
153		-	-	-
154	***10.00%***	-	-	-
155		-	-	-
156				
157				
158	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
159				
160				
161	3	1,740		**1,740**
162	3	1,740		**1,740**
163	3	1,740		**1,740**
164	3	1,740		**1,740**
165	3	1,740		**1,740**
166	3	1,305		**1,305**
167		-		-
168		**10,005**	-	**10,005**
169				
170				
171		-		-
172		-		-
173		-	-	-
174		**10,005**	-	**10,005**
175	***10.00%***	*1,001*	-	*1,001*
176		**11,006**	-	**11,006**
177				

	C	D	E	F
178				
179	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
180				
181				
182	0%	-		-
183	0%	-		-
184	0%	-		-
185		-		-
186		-	-	-
187				
188				
189		-		-
190		-		-
191		-	-	-
192		.		
193				
194	-	-		-
195	-	-		-
196	-	-		-
197	-	-		-
198	-	-		-
199	-	-		-
200	-	-		-
201		-	-	-
202				
203				
204	-	-		-
205	0	-		-
206		-	-	-
207		-	-	-
208	***10.00%***	-	-	-
209		-	-	-

	A	B
1	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EcoHealth Alliance subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO RoC and IVORY COAST (TBN)	70,000
6	INSTITUTIONAL LEAD (Peter Daszak)	310,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	SCIENTIST/COUNTRY LIAISON TO RoC and IVORY COAST (TBN)	21,910
11	INSTITUTIONAL LEAD (Peter Daszak)	97,030
12	**Fringe Benefits Total**	
13		
14	**Domestic Travel**	
15		
16	**Total Domestic Travel**	
17		
18	**International Travel**	
19	EHA staff to Cote d'Ivoire (1 week scoping visit/meetings with local collaborators)	7,434
20	EHA staff to Cote D'Ivoire	5,782
21	**Total International Travel**	
22		
23	**Contractual**	
24	Institut Pasteur Côte d'Ivoire (IPCI) subagreement (detail below)	
25	Laboratoire National d'Appui au Dévelopment Argricole (LANADA) subagreement (detail below)	
26	Centre de Sante Urbain de Bono (Ministry of Health) (detail below)	
27	**Total Contractual**	
28		
29	**Supplies**	
30	**PPE (Wildlife)**	
31	Nitrile Large extended cuff (500 per case)	252
32	Nitrile Medium extended cuff (500 per case)	252
33	Nitrile small extended cuff (500 per case)	252
34	N100 respirators (20 per case)	190
35	N95 respirators (80 per case)	243
36	tyvek hooded large (25 per case)	290
37	tyvek hooded medium (25 per case)	290
38	safety glasses	355
39	**Blood Collection**	
40	Isoflurane (250mL/bottle)	35
41	LW-scientific-usa-e8-series-centrifuge	578
42	HemataStata II microhematocrit centrifuge	2,325
43	HemataStata II microhematocrit rechargable Ni-metal battery	168

	A	B
44	HemataStata II microhematocrit centrifuge carrying case	373
45	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
46	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
47	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
48	Hematocrit tube sealant (10 per package)	46
49	Microhematorcrit capillary pipette bulb	10
50	Cryovials 0.5mL (for serum)	588
51	Nunc internally threaded cryovials, 1.8mL	1,385
52	Nunc 3.6 mL	1,603
53	colored caps blue (500 units/case)	170
54	colored caps red (500 units/case)	170
55	colored caps green (500 units/case)	170
56	colored caps yellow (500 units/case)	170
57	colored caps brown (500 units/case)	170
58	colored caps grey (500 units/case)	170
59	Corning cryobox 10x10	153
60	Cotton balls (med)	54
61	BD alcohol swabs	29
62	Needles 27g 3/4	100
63	Needles 25g 3/4	100
64	Needles 23g 3/4	100
65	Needles 18g 3/4	100
66	Red-top vaccutainer 3.0 mL	182
67	Red-top vaccutainer 6.0 mL	206
68	pipette gun: 1 µl -10uL	351
69	pipette gun: 100 µl -1000uL	351
70	pipette gun 20uL-200uL	351
71	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
72	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120
73	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
74	Syringes 1mL	90
75	Syringes 3mL	90
76	Syringes 5mL	90
77	Sharps containers 8 gal	30
78	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
79	Viral transport media (pre-aliquotted)	1,000
80	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
81	Puritan 6' polyester sterile swabs minitip (500 case)	338
82	Povidone iodine prep pad (1000/case)	170
83	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111
84	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
85	Triple antibiotic ointment - 0.5gr (20 per package)	6

	A	B
86	**Measurements**	
87	Fisherbrand* Traceable* Digital Calipers	50
88	OHAUS CS series flat scale	186
89	Pesola® Micro-Line Spring Scale 10 g	54
90	Pesola® Micro-Line Spring Scale 30 g	51
91	Pesola® Micro-Line Spring Scale 60 g	48
92	Pesola® Micro-Line Spring Scale 100 g	50
93	Pesola® LightLine Spring Scale 1000g	39
94	Pesola® LightLine Spring Scale 10kg	125
95	Pesola® LightLine Spring Scale 20kg	135
96	**Clean up**	
97	Autoclave/biohazard bags large 45x36in	134
98	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
99	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
100	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
101	**Capture (Bats)**	
102	Cotton holding bag (8in x 12in)	1
103	Cotton holding bag for large bats	3
104	500 lumen rechargable headlamp	81
105	200-300 lumen rechargable headlamp	60
106	Wildlife handling leather gloves (small)	121
107	Wildlife handling leather gloves (large)	121
108	Harp trap 72in by 80in	1,495
109	Baffle bar roost 6 ft	69
110	Replacement catch bag for harp trap	69
111	**Capture (Rodents)**	
112	Extra Large Size Sherman Aluminum Folding Trap (4" x 4-1/2" x 15" set)	49
113	Bait mix (Peanut butter, nuts, rolled oats, seeds, apple slice)	6
114	Nestlet(Ancare) cotton nesting material for thermoregulation (3600/box)	247
115	Tomahawk traps	120
116	Liquid Nitrogen Dry Shippers	2,467
117	**Total Supplies**	
118		
119	**Diagnostics**	
120		
121	**Total Diagnostics**	
122		
123	**Other Costs**	
124	Supplies to Cote d'Ivoire (excess baggage charge on commercial flight) (rate per shipping crate)	175
125	**Total Other Costs**	
126	**Total Direct Costs**	
127	***Indirect Costs***	
128	***Indirect Costs on subagreements & Contracts***	
129	***EHA Global - see tab for details***	

	A	B
130	**Total Costs**	
131		
132	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Institut Pasteur Côte d'Ivoire (IPCI)**	
133	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
134		
135	**Salaries**	
136	Country Coordinator	36,000
137	Country Coordinator Assistant	28,800
138	Lead Laboratory Technician	15,000
139	Biologist - Dr. Eugene Koffi	20,000
140	Biologist - Dr. Daniel Saraka	20,000
141	Data Manager - Ms Florence Tanoh Diby	6,000
142	Dr. Kalpy - Program Manager, Human Surveillance	30,000
143	Prof Dosso - Head Administration	50,000
144	**Salaries Total**	
145		
146	**Fringe Benefits**	
147	Country Coordinator - Tax and Social Insurance Fund	17,280
148	Country Coordinator - Health Insurance	2,000
149	Country Coordinator Assistant - Tax and Social Insurance Fund	13,824
150	Country Coordinator Assistant - Health Insurance	2,000
151	Lead Laboratory Technician - Tax and Social Insurance Fund	7,200
152	Lead Laboratory Technician - Health Insurance	1,500
153	Data Manager - Ms Florence Tanoh Diby - Tax and Social Insurance Fund	2,880
154	Data Manager - Ms Florence Tanoh Diby - Health Insurance	1,500
155		
156	**Fringe Benefits Total**	
157		
158	**Domestic Travel**	
159	Fuel for transport to field site	900
160	Per diem for team (5 staff x 5 days x 4 trips)	3,750
161	Sociologist per diem (2 staff x 14 days x 3 trips)	4,200
162	Car rental	8,000
163	**Total Domestic Travel**	
164		
165	**Diagnostics**	
166	Lab reagents and consumables (cost per sample for 5 assays)	150
167	Sequencing for 5% of samples	10
168	**Total Diagnostics**	
169		
170	**Supplies**	
171	Office Administration Supplies	150
172	Local lab and field supplies	7,539
173	**Total Supplies**	
174		

	A	B
175	**Other Costs**	
176	Program Procedures Training Workshop (lab, field, data mgmt)	3,600
177	Community Engagement and Coordination Meetings	840
178	Communication (phone)	350
179	Internet	312
180	Cold Chain Maintenance	300
181	**Total Other Costs**	
182	**Total Direct Costs**	
183	***Indirect Costs***	
184	**Total Costs**	
185		
186	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Laboratoire National d'Appui au Developpement Agricole (LANADA)**	
187	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
188		
189	**Salaries**	
190	PhD Student - Kouaku Valère	12,000
191	Chef de Laboratoire de Virologie LANADA - Prof Couacy-Hymann	60,000
192	Lead Laboratory Technician 1 - Assemian Krou	11,040
193	Lead Laboratory Technician 2 - Privat Godji	11,040
194	**Total Salaries**	
195		
196	**Domestic Travel**	
197	Per diem for staff (4 staff x 15 days x 2 trips)	150
198	Vehicel rental	2,100
199	Fuel	300
200	**Total Domestic Travel**	
201		
202	**Diagnostics**	
203	Laboratory Reagents and Consumables (cost per sample for 5 assays)	150
204	Sequencing for 5% of samples tested	10
205	**Total Diagnostics**	
206		
207	**Supplies**	
208	Local lab supplies	22,050
209	**Total Supplies**	
210	**Total Direct Costs**	
211	***Indirect Costs***	
212	**Total Costs**	
213		
214	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Centre de Sante de Bono (Ministry of Health)**	
215	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
216		

	A	B
217	**Salaries**	
218	Clinician	15,000
219	Phlebotomist or nurse	15,000
220		
221	**Total Salaries**	
222	**Total Direct Costs**	
223	***Indirect Costs***	
224	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	35,000		**35,000**
6	10%	31,000		**31,000**
7		**66,000**	**-**	**66,000**
8				
9	**31.30%**			
10	50%	10,955		**10,955**
11	10%	9,703		**9,703**
12		**20,658**	**-**	**20,658**
13				
14				
15		-		**-**
16		**-**	**-**	**-**
17				
18				
19	1	7,434		**7,434**
20	2	11,564		**11,564**
21		**18,998**	**-**	**18,998**
22				
23				
24		269,399	-	**269,399**
25		253,440	-	**253,440**
26		9,026		**9,026**
27		**531,864**	**-**	**531,864**
28				
29				
30		-		**-**
31	2	504		**504**
32	3	756		**756**
33	3	756		**756**
34	4	760		**760**
35	6	1,458		**1,458**
36	3	870		**870**
37	3	870		**870**
38	2	710		**710**
39		-		**-**
40	15	525		**525**
41	1	578		**578**
42	1	2,325		**2,325**
43	2	336		**336**

	C	D	E	F
44	1	373		**373**
45	1	273		**273**
46	2	26		**26**
47	2	122		**122**
48	2	92		**92**
49	10	100		**100**
50	5	2,940		**2,940**
51	5	6,925		**6,925**
52	1	1,603		**1,603**
53	1	170		**170**
54	1	170		**170**
55	1	170		**170**
56	1	170		**170**
57	1	170		**170**
58	1	170		**170**
59	10	1,530		**1,530**
60	4	218		**218**
61	6	175		**175**
62	5	500		**500**
63	5	500		**500**
64	5	500		**500**
65	5	500		**500**
66	8	1,456		**1,456**
67	2	412		**412**
68	2	702		**702**
69	2	702		**702**
70	2	702		**702**
71	3	360		**360**
72	3	360		**360**
73	3	360		**360**
74	6	540		**540**
75	6	540		**540**
76	6	540		**540**
77	10	300		**300**
78	1	71		**71**
79	1	1,000		**1,000**
80	3	1,245		**1,245**
81	2	676		**676**
82	1	170		**170**
83	2	222		**222**
84	4	92		**92**
85	5	30		**30**

	C	D	E	F
86		-		-
87	4	200		**200**
88	2	372		**372**
89	2	108		**108**
90	2	101		**101**
91	2	96		**96**
92	2	100		**100**
93	2	78		**78**
94	2	250		**250**
95	2	270		**270**
96		-		-
97	3	402		**402**
98	1	63		**63**
99	1	466		**466**
100	1	308		**308**
101		-		-
102	200	276		**276**
103	200	600		**600**
104	4	324		**324**
105	6	360		**360**
106	4	484		**484**
107	4	484		**484**
108	2	2,990		**2,990**
109	2	138		**138**
110	2	138		**138**
111		-		-
112	110	5,418		**5,418**
113	50	300		**300**
114	1	247		**247**
115	25	3,000		**3,000**
116	1	2,467		**2,467**
117		**58,363**	-	**58,363**
118				
119				
120		-		-
121		-	-	-
122				
123				
124	0	-		-
125		-	-	-
126		**695,883**	-	**695,883**
127	**32.0%**	52,486	-	**52,486**
128	**32.0%**	18,888.16		**18,888**
129				-

	C	D	E	F
130		**767,258**	**-**	**767,258**
131				
132				
133	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
134				
135				
136	100%	36,000		**36,000**
137	100%	28,800		**28,800**
138	100%	15,000		**15,000**
139	30%	6,000		**6,000**
140	50%	10,000		**10,000**
141	100%	6,000		**6,000**
142	15%	4,500		**4,500**
143	5%	2,500		**2,500**
144		**108,800**	**-**	**108,800**
145				
146				
147	100%	17,280		**17,280**
148	100%	2,000		**2,000**
149	100%	13,824		**13,824**
150	100%	2,000		**2,000**
151	100%	7,200		**7,200**
152	100%	1,500		**1,500**
153	100%	2,880		**2,880**
154	100%	1,500		**1,500**
155		-		-
156		**48,184**	**-**	**48,184**
157				
158				
159	4	3,600		**3,600**
160	4	15,000		**15,000**
161	3	12,600		**12,600**
162	1	8,000		**8,000**
163		**39,200**	**-**	**39,200**
164		.		
165				
166	200	30,000		**30,000**
167	10	100		**100**
168		**30,100**	**-**	**30,100**
169		.		
170				
171	12	1,800		**1,800**
172	0	-		-
173		**1,800**	**-**	**1,800**
174		.		

	C	D	E	F
175				
176	1	3,600		**3,600**
177	2	1,680		**1,680**
178	12	4,200		**4,200**
179	12	3,744		**3,744**
180	12	3,600		**3,600**
181		**16,824**	**-**	**16,824**
182		**244,908**	**-**	**244,908**
183	***10.00%***	*24,491*	-	*24,491*
184		**269,399**	**-**	**269,399**
185				
186				
187	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
188				
189				
190	33%	3,960		**3,960**
191	20%	12,000		**12,000**
192	50%	5,520		**5,520**
193	50%	5,520		**5,520**
194		**27,000**	-	**27,000**
195		.		
196				
197	120	18,000		**18,000**
198	2	4,200		**4,200**
199	2	600		**600**
200		**22,800**	**-**	**22,800**
201				
202				
203	1200	180,000		**180,000**
204	60	600		**600**
205		**180,600**	**-**	**180,600**
206		.		
207				
208	-	-		**-**
209		**-**	**-**	**-**
210		**230,400**	**-**	**230,400**
211	***10.00%***	*23,040*	-	*23,040*
212		**253,440**	**-**	**253,440**
213				
214				
215	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
216				

	C	D	E	F
217				
218	15%	2,250		**2,250**
219	40%	5,955		**5,955**
220		-		**-**
221		**8,205**	**-**	**8,205**
222		**8,205**	**-**	**8,205**
223	***10.00%***	*821*	-	*821*
224		**9,026**	**-**	**9,026**

	A	B
1	**PREDICT-2 Egypt Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	74,200
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	23,225
12	EPT PARTNER LIAISON (Billy Karesh)	82,626
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners (2 travelers)	3,115
18	**Total International Travel**	
19		
20	**Contractual**	
21	Human Link subagreement (detail below)	
22	**Total Contractual**	
23	**Total Direct Costs**	
24	***Indirect Costs***	
25	***Indirect Costs on Contracts & Subagreements***	
26	***EHA Global - see tab for details***	
27	**Total Costs**	
28		
29	**PREDICT-2 Egypt Year 4 Budget - EHA subagreement to Human Link**	
30	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
31		
32	**Salaries**	
33	Site Co-Principal Investigator	120,000
34	**Salaries Total**	
35		
36	**Diagnostics**	
37	Testing for wildlife samples (cost per sample) (viral family testing for five priority families)	76
38	Serology Testing for human samples (cost per sample)(if approved)	38
39	**Total Diagnostics**	
40		
41	**Supplies**	

	A	B
42	Wildlife - Field supplies (nets, traps, PPE, needles, swabs, chemicals, tubes)(est. weekly cost in field)	1,875
43	Human - Field supplies (specimen collection equipment (tubes, needles, swabs)(est. weekly cost in field)	1,250
44	Participant acknowledgements for human research (cost per participant)	2
45	**Total supplies**	
46		
47	**Contractual**	
48	CSEIV subagreement (detail below)	
49	**Total Contractual**	
50		
51	**Other costs**	
52		
53		
54	**Total other costs**	
55	**Total Direct Costs**	
56	***Indirect Costs, est***	
57	**Total Costs**	
58		
59	**PREDICT-2 Egypt Year 4 Budget - Human Link subagreement to National Research Centre (CSEIV)**	
60	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
61		
62	**Salaries**	
63	Site PI / Senior Country Coordinator	66,667
64	Junior Country Coordinator	36,000
65	Administrative staff	20,000
66	Temporary Field Tech (weekly cost)	500
67	Temporary Field Tech (weekly cost)	500
68	Temporary Field Tech (weekly cost)	500
69	Temporary Field Tech (weekly cost)	500
70	Temporary Field Tech (weekly cost)	500
71	Temporary Field Tech (weekly cost)	500
72	Lab Technician	4,000
73	Lab Technician	4,000
74	Lab Technician	4,000
75	Lab Technician	4,000
76	**Salaries Total**	
77		
78	**Domestic Travel**	
79	Fuel and vehicle maintenence cost for 2-week sampling trip (Wildlife and human sampling/human behavioral)	1,275
80	Per diem (per 14-day trip for 6 team members)	3,825
81	**Total Domestic Travel**	
82		
83	**Other Costs**	

	A	B
84	Freezer storage cost	5,250
85	Equipment use and depreciation	22,500
86	**Total Other Costs**	
87	**Total Direct Costs**	
88	***Indirect Costs***	
89	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	37,100		**37,100**
6	3%	7,919		**7,919**
7		-		-
8		**45,019**	**-**	**45,019**
9				
10	**31.30%**			
11	50%	11,612		**11,612**
12	3%	2,479		**2,479**
13	0%	-		-
14		**14,091**	**-**	**14,091**
15				
16				
17	2	6,230		**6,230**
18		**6,230**	**-**	**6,230**
19				
20				
21		400,427	45,145	**445,571**
22		**400,427**	**45,145**	**445,571**
23		**465,767**	**45,145**	**510,912**
24	***32.0%***	*20,909*	-	*20,909*
25	***32.0%***			-
26				-
27		**486,676**	**45,145**	**531,821**
28				
29				
30	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
31				
32				
33	23%	27,960		**27,960**
34		**27,960**	**-**	**27,960**
35				
36				
37	2400	174,187	8,213	**182,400**
38	600	22,800		**22,800**
39		**196,987**	**8,213**	**205,200**
40				
41				

	C	D	E	F
42	8	13,631	1,369	**15,000**
43	8	8,996	1,004	**10,000**
44	600	1,200		**1,200**
45		**23,827**	**2,373**	**26,200**
46				
47				
48		126,775	33,500	**160,275**
49		**126,775**	**33,500**	**160,275**
50				
51				
52		-		-
53		-		-
54		-	-	-
55		**375,549**	**44,086**	**419,635**
56	***10.00%***	*24,877*	*1,059*	*25,936*
57		**400,427**	**45,145**	**445,571**
58				
59				
60	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
61				
62				
63	42%	28,000		**28,000**
64	20%	7,200		**7,200**
65	20%	4,000		**4,000**
66	8	4,000		**4,000**
67	8	4,000		**4,000**
68	8	4,000		**4,000**
69	8	4,000		**4,000**
70	8	4,000		**4,000**
71	8	4,000		**4,000**
72	100%	4,000		**4,000**
73	100%	4,000		**4,000**
74	100%	-	4,000	**4,000**
75	100%	-	4,000	**4,000**
76		**71,200**	**8,000**	**79,200**
77				
78				
79	8	8,200	2,000	**10,200**
80	8	30,600		**30,600**
81		**38,800**	**2,000**	**40,800**
82				
83				

	C	D	E	F
84	1	5,250		**5,250**
85	1	-	22,500	**22,500**
86		**5,250**	**22,500**	**27,750**
87		**115,250**	**32,500**	**147,750**
88	***10.00%***	*11,525*	*1,000*	*12,525*
89		**126,775**	**33,500**	**160,275**

	A	B
1	**PREDICT-2 India Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	Research Scientist (Debapriyo Chakraborty)	66,780
6	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	155,000
7	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	49,000
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	Research Scientist (Debapriyo Chakraborty)	20,902
12	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	48,515
13	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	15,337
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners	4,000
18	Sampling trip	10,500
19	**Total International Travel**	
20		
21	**Contractual**	
22	Sanjay Gandhi Postgraduate Institute of Medical Sciences subagreement (detail below)	
23	Manish Kakkar (consultant)(includes stipend and travel costs)	37,380
24	Rajesh Bhattia (consultant)(includes stipend and travel costs)	30,000
25		
26	**Total Contractual**	
27		
28	**Equipment**	
29		
30		
31	**Total Equipment**	
32		
33	**Supplies**	
34	Supplies (purchased in US, shipped to India)	5,000
35	Sample/supply shipping costs	5,000
36	**Total Supplies**	
37	**Total Direct Costs**	
38	***Indirect Costs***	
39	***Indirect Costs on Contracts & Subagreements***	
40	***EHA Global - see tab for details***	
41	**Total Costs**	
42		
43	**PREDICT-2 India Year 4 Budget - EHA subagreement to Sanjay Gandhi Postgraduate Institute of Medical Sciences**	

	A	B
44	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
45		
46	**Salaries**	
47	Country Coordinator (Tapan Dhole)	64,615
48	Lab lead (Harjeet Mann)	14,124
49	Admin Assistant (Laboratory assistant +DEO)	5,699
50	Lab analyst (Technical Officer)	12,692
51	Lab attendant (Laboratory Attendant)	4,748
52	Veterinarian (Technician Grade-I)	9,075
53	Interview lead (Technician Grade 1)	9,075
54	Field technician (Technician Grade 2) (2)	6,672
55	Phlebotomist (Lab assistant)	5,699
56	Field assistants (villagers) (daily rate for 2 individuals)	8
57	**Salaries Total**	
58		
59	**Domestic travel**	
60	Field Lodging & Meals ($30/person/day)	180
61	Field Vehicle Rental	77
62		
63	**Total Domestic Travel**	
64		
65	**International Travel**	
66	R/T flight to Bangkok, Thailand	800
67	Per diem (daily)(cost per meeting includes two travel days)	246
68		
69	**Total International Travel**	
70		
71	**Equipment**	
72	Fridge -80	9,769
73	Thermocycler	10,615
74	Somnosuite low flow anesthesia system integrated digital vaporizer	5,250
75	Biosafety hood	11,538
76	**Total Equipment**	
77		
78	**Diagnostics**	
79	Analysis/sample, extraction + 2 PCR reactions	57
80	Cloning and sequencing	46
81	**Total Diagnostics**	
82		
83	**Contractual**	
84	Uttar Pradesh Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigan Vishwa Vidyalaya Evam Go-Anusadham Sansthan, Mathura (DUVASU) (detail below)	
85		
86	**Total Contractual**	
87		

	A	B
88	**Supplies**	
89	**PPE (Wildlife+livestock)**	
90	Nitrile Large extended cuff (500 per case)	252
91	Nitrile Medium extended cuff (500 per case)	252
92	Nitrile small extended cuff (500 per case)	252
93	N100 respirators (20 per case)	190
94	N95 respirators (80 per case)	243
95	tyvek hooded large (25 per case)	290
96	tyvek hooded medium (25 per case)	290
97	safety glasses	355
98	**Blood Collection (bat+rodent+macaque+livestock)**	
99	Isoflurane (250mL/bottle)	35
100	LW-scientific-usa-e8-series-centrifuge	578
101	HemataStata II microhematocrit centrifuge	2,325
102	HemataStata II microhematocrit rechargable Ni-metal battery	168
103	HemataStata II microhematocrit centrifuge carrying case	373
104	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
105	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
106	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
107	Hematocrit tube sealant (10 per package)	46
108	Microhematorcrit capillary pipette bulb	10
109	Cryovials 0.5mL (for serum)	588
110	Nunc internally threaded cryovials, 1.8mL	1,385
111	Nunc 3.6 mL	1,603
112	colored caps blue (500 units/case)	170
113	colored caps red (500 units/case)	170
114	colored caps green (500 units/case)	170
115	colored caps yellow (500 units/case)	170
116	colored caps brown (500 units/case)	170
117	colored caps grey (500 units/case)	170
118	Corning cryobox 10x10	153
119	Cotton balls (med)	54
120	BD alcohol swabs	29
121	Needles 27g 3/4	100
122	Needles 25g 3/4	100
123	Needles 23g 3/4	100
124	Needles 18g 3/4	100
125	Red-top vaccutainer 3.0 mL	182
126	Red-top vaccutainer 6.0 mL	206
127	pipette gun: 1 µl -10uL	351
128	pipette gun: 100 µl -1000uL	351
129	pipette gun 20uL-200uL	351
130	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
131	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120

	A	B
132	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
133	Syringes 1mL	90
134	Syringes 3mL	90
135	Syringes 5mL	90
136	Sharps containers 8 gal	30
137	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
138	Viral transport media (pre-aliquotted)	1,000
139	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
140	Puritan 6' polyester sterile swabs minitip (500 case)	338
141	Povidone iodine prep pad (1000/case)	170
142	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111
143	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
144	Triple antibiotic ointment - 0.5gr (20 per package)	6
145	**Measurements (bat+rodent+macaque)**	
146	Fisherbrand* Traceable* Digital Calipers	50
147	OHAUS CS series flat scale	186
148	Pesola® Micro-Line Spring Scale 10 g	54
149	Pesola® Micro-Line Spring Scale 30 g	51
150	Pesola® Micro-Line Spring Scale 60 g	48
151	Pesola® Micro-Line Spring Scale 100 g	50
152	Pesola® LightLine Spring Scale 1000g	39
153	Pesola® LightLine Spring Scale 10kg	125
154	Pesola® LightLine Spring Scale 20kg	135
155	**Clean up (bat+rodent+macaque+livestock)**	
156	Autoclave/biohazard bags large 45x36in	134
157	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
158	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
159	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
160	**Capture (Bats)**	
161	Cotton holding bag (8in x 12in)	1
162	Cotton holding bag for large bats	3
163	500 lumen rechargable headlamp	81
164	200-300 lumen rechargable headlamp	60
165	Wildlife handling leather gloves (small)	121
166	Wildlife handling leather gloves (large)	121
167	Harp trap 72in by 80in	1,495
168	Baffle bar roost 6 ft	69
169	Replacement catch bag for harp trap	69
170	**Capture (Rodents)**	
171	Extra Large Size Sherman Aluminum Folding Trap (4" x 4-1/2" x 15" set)	49
172	Bait mix (Peanut butter, nuts, rolled oats, seeds, apple slice)	5
173	Nestlet(Ancare) cotton nesting material for thermoregulation (3600/box)	247
174	Tomahawk traps	120
175	Liquid Nitrogen Dry Shippers	2,467

	A	B
176	**Lab equipment (<$5K)**	
177	Fridge lab	1,307
178	Fridge -20	2,077
179	Microcentrifuge	3,385
180	**Office Supplies**	
181	Computers	769
182	Colour Printer photocopier	1,077
183	Field Netbook	470
184	Telephone sets	80
185	Mobile router	40
186	Stationary	300
187	**Total Supplies**	
188		
189	**Other costs**	
190	Acknowledgements for human research participants	10
191	**Total other costs**	
192	**Total Direct Costs**	
193	***Indirect Costs***	
194	**Total Costs**	
195		
196	**PREDICT-2 India Year 4 Budget - SGPGI subagreement to DUVASU**	
197	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
198		
199	**Salaries**	
200	TBD Project Coordinator	13,536
201	TBD field technician	5,200
202	**Salaries Total**	
203	**Total Direct Costs**	
204	***Indirect Costs***	
205	**Total Costs**	

	C	D	E	F	G	H
1						
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
3						
4						
5	100%	66,780		**66,780**		
6	10%	15,500		**15,500**		
7	25%	12,250		**12,250**		
8		**94,530**	**-**	**94,530**		
9						
10	**31.30%**					
11	100%	20,902		**20,902**		
12	10%	4,852		**4,852**		
13	25%	3,834		**3,834**		
14		**29,588**	**-**	**29,588**		
15						
16						
17	3	12,000		**12,000**		
18	2	21,000		**21,000**		
19		**33,000**	**-**	**33,000**		
20						
21						
22		651,095	-	**651,095**		
23	1	37,380		**37,380**		
24	1	30,000		**30,000**		
25		-		**-**		
26		**718,475**	-	**718,475**		
27						
28						
29		-		-		
30		-		-		
31		**-**	**-**	**-**		
32						
33						
34	1	5,000		**5,000**		
35	1	5,000		**5,000**		
36		**10,000**	**-**	**10,000**		
37		**885,593**	**-**	**885,593**		
38	***32.0%***	*53,478*	-	*53,478*		
39	***32.0%***	*21,562*		*21,562*		
40				-		
41		**960,632**	**-**	**960,632**		
42						
43						

	C	D	E	F	G	H
44	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
45						
46						
47	20%	12,923		**12,923**		
48	100%	14,124		**14,124**		
49	100%	5,699		**5,699**		
50	100%	12,692		**12,692**		
51	100%	4,748		**4,748**		
52	100%	9,075		**9,075**		
53	100%	9,075		**9,075**		
54	100%	6,672		**6,672**		
55	100%	5,699		**5,699**		
56	60	480		**480**		
57		**81,187**	-	**81,187**		
58						
59						
60	180	32,400		**32,400**		
61	180	13,860		**13,860**		
62		-		**-**		
63		**46,260**	**-**	**46,260**		
64						
65						
66	1	800		**800**		
67	3	738		**738**		
68		-		**-**		
69		**1,538**	**-**	**1,538**		
70						
71						
72	1	9,769		**9,769**		
73	1	10,615		**10,615**		
74	1	5,250		**5,250**		
75	1	11,538		**11,538**		
76		**37,172**	**-**	**37,172**		
77						
78						
79	5600	319,200		**319,200**		
80	560	25,846		**25,846**		
81		**345,046**	**-**	**345,046**		
82						
83						
84		6,961	-	**6,961**		
85				**-**		
86		**6,961**	**-**	**6,961**		
87						

	C	D	E	F	G	H
88						
89		-		**-**		
90	2	504		**504**		
91	3	756		**756**		
92	3	756		**756**		
93	4	760		**760**		
94	6	1,458		**1,458**		
95	3	870		**870**		
96	3	870		**870**		
97	2	710		**710**		
98		-		**-**		
99	15	525		**525**		
100	1	578		**578**		
101	1	2,325		**2,325**		
102	2	336		**336**		
103	1	373		**373**		
104	1	273		**273**		
105	2	26		**26**		
106	2	122		**122**		
107	2	92		**92**		
108	10	100		**100**		
109	5	2,940		**2,940**		
110	5	6,925		**6,925**		
111	1	1,603		**1,603**		
112	1	170		**170**		
113	1	170		**170**		
114	1	170		**170**		
115	1	170		**170**		
116	1	170		**170**		
117	1	170		**170**		
118	10	1,530		**1,530**		
119	4	218		**218**		
120	6	175		**175**		
121	5	500		**500**		
122	5	500		**500**		
123	5	500		**500**		
124	5	500		**500**		
125	8	1,456		**1,456**		
126	2	412		**412**		
127	2	702		**702**		
128	2	702		**702**		
129	2	702		**702**		
130	3	360		**360**		
131	3	360		**360**		

	C	D	E	F	G	H
132	3	360		**360**		
133	6	540		**540**		
134	6	540		**540**		
135	6	540		**540**		
136	10	300		**300**		
137	1	71		**71**		
138	1	1,000		**1,000**		
139	3	1,245		**1,245**		
140	2	676		**676**		
141	1	170		**170**		
142	2	222		**222**		
143	4	92		**92**		
144	5	30		**30**		
145		-		**-**		
146	4	200		**200**		
147	2	372		**372**		
148	2	108		**108**		
149	2	101		**101**		
150	2	96		**96**		
151	2	100		**100**		
152	2	78		**78**		
153	2	250		**250**		
154	2	270		**270**		
155		-		**-**		
156	3	402		**402**		
157	1	63		**63**		
158	1	466		**466**		
159	1	308		**308**		
160		-		**-**		
161	200	276		**276**		
162	200	600		**600**		
163	4	324		**324**		
164	6	360		**360**		
165	4	484		**484**		
166	4	484		**484**		
167	2	2,990		**2,990**		
168	2	138		**138**		
169	2	138		**138**		
170		-		**-**		
171	220	10,835		**10,835**		
172	100	500		**500**		
173	2	494		**494**		
174	25	3,000		**3,000**		
175	2	4,934		**4,934**		

	C	D	E	F	G	H
176		-		-		
177	1	1,307		**1,307**		
178	1	2,077		**2,077**		
179	1	3,385		**3,385**		
180		-		-		
181	1	769		**769**		
182	1	1,077		**1,077**		
183	1	470		**470**		
184	2	160		**160**		
185	2	80		**80**		
186	1	300		**300**		
187		**76,320**	-	**76,320**		
188						
189						
190	80	800		**800**		
191		**800**	-	**800**		
192		**595,284**	-	**595,284**		
193	***10.0%***	*55,811*	-	**55,811**		
194		**651,095**	-	**651,095**		
195						
196						
197	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
198						
199						
200	8%	1,128		**1,128**		
201	100%	5,200		**5,200**		
202		**6,328**	-	**6,328**		
203		**6,328**	-	**6,328**		
204	***10.0%***	*633*	-	**633**		
205		**6,961**	-	**6,961**		

	A	B
1	**PREDICT-2 Indonesia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
6	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
11	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
12	**Fringe Benefits Total**	
13		
14	**International Travel**	
15	Scoping visit/meetings with in-country partners	4,234
16	Sampling trip	10,117
17	**Total International Travel**	
18		
19	**Contractual**	
20	Bogor Agricultural University subagreement (detail below)	
21	Eijkman Institute of Molecular Biology subagreement (detail below)	
22	Puskesmas Kawangkoan Hospital subagreement	
23	Noongan Hospital subagreement	
24	Jusuf Kalengkongan (Behavioral Surveillance)(includes stipend, interviewee costs, travel, transcription and translation services)	50,000
25	**Total Contractual**	
26		
27	**Supplies**	
28	Supplies (purchased in US, shipped to Indonesia)	5,000
29	Sample/supply shipping costs	5,000
30	**Total Supplies**	
31	**Total Direct Costs**	
32	***Indirect Costs***	
33	***Indirect Costs on Contracts & Subagreements***	
34	***EHA Global - see tab for details***	
35	**Total Costs**	
36		
37	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Bogor Agricultural University**	
38	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
39		
40	**Salaries**	
41	Country Coordinator (Joko Pamungkas)	20,000
42	Assistant Country Coordinator	8,000

	A	B
43	Lab Lead (Diah Iskandriati)	18,000
44	Lab Technologist (Uus Saepuloh)	8,000
45	Lab Technician-1 (Reza Kristiyana)	3,000
46	Lab technician-2 (Mad Ramdan)	3,000
47	Administrative support (Rachmitasari Noviana)	10,000
48	Administrative support (Rahayu Sulistina)	10,000
49	**Salaries Total**	
50		
51	**Domestic Travel**	
52	Lodging for 10 team members ($35/day, 14-day trips)	4,900
53	Per diem for field team (15 persons)	600
54	Vehicle rental fees: 2 cars in the field (cost/day including driver, gas, tolls)	180
55	Local meetings transport	50
56	**Total Domestic Travel**	
57		
58	**International Travel**	
59		
60	**Total International Travel**	
61		
62	**Diagnostics**	
63	Cost per sample for testing for all five viral families, including initial extraction	200
64	Barcoding	75
65	**Total Diagnostics**	
66		
67	**Supplies**	
68	Tubes (US$ 4800), syringes with needles (US$ 250), cotton swab (US$ 4800)	$9,850
69	Trizol 100ml	$500
70	VTM 100mL	$100
71	Other field disposables (Cryo boxes, micropipet tips)	$500
72	Field and Lab PPE (gloves, masks, protective coveralls)	$500
73	Animal capture equipment (nets, poles, traps)	$50
74	Dart syringes	$15
75	Ketamine HCl 100mL	$100
76	Pipet tips w/ filter	$20
77	Dry shippers	$3,000
78	Nitrile Gloves	$10
79	PCR tubes	$100
80	Alcohol swab	$5
81	50mL conical tubes/ self standing	$20
82	15mL conical tubes/ self standing	$25
83	Nylon Socks	$2
84	Waterbath	$2,500
85	Dry ice + shipping	$500
86	Liquid N2	$5

	A	B
87	Camera and lenses	$1,300
88	Computers (2 units, 1 for Diagnostic lab and 1 for data management)	$1,300
89	Office supplies	$1,500
90		
91	**Total Supplies**	
92		
93	**Supplies**	
94	Publishing cost	1,000
95		
96	**Total Supplies**	
97	**Total Direct Costs**	
98	***Indirect Costs***	
99	**Total Costs**	
100		
101	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Eijkman Institute of Molecular Biology**	
102	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
103		
104	**Salaries**	
105	Dodi Safari_ Laboratory Coordinator	54,000
106	Ageng Wiyatno – Research Assistant	15,600
107	Tina Kusumaningrum – Research Assistant	10,800
108	Technical Consultant – Chairin Nisa Mar'oef	14,400
109	Technical Consultant - Ungke Antonjaya	20,400
110	Finance and administrative staff - Wirda Damanik	28,800
111	Research Assistant (TBD)	6,000
112	**Salaries Total**	
113		
114	**Fringe Benefits**	
115	13th Salary - Dodi Safari	4,500
116	Health Insurance – Ageng Wiyatno	200
117	Health Insurance – Tina Kusumaningrum	200
118	Social Security Plan – Ageng Wiyatno	973
119	Social Security Plan – Tina Kusumaningrum	674
120	13th Salary – Ageng Wiyatno	1,300
121	13th Salary – Tina Kusumaningrum	900
122	13th Salary – Chairin Nisa Mar'oef	1,200
123	13th Salary – Ungke	1,700
124	13th Salary – RA (TBD)	500
125	Social Security Plan – RA (TBD)	374
126	Health Insurance – RA (TBD)	200
127	13th Salary - Wirda Damanik	2,400
128	**Fringe Benefits Total**	
129		
130	**Domestic Travel Field Team**	

	A	B
131	Manado (5 pax, 5 days RT)	2,310
132	Bali (3 pax, 4 days RT)	2,180
133	Other sites (3 pax, 4 days RT)	2,180
134	Local transportation	100
135	**Total Domestic Travel**	
136		
137	**International Travel**	
138	Travel to international conference/meeting or training	3,000
139	EPT/PREDICT meeting	5,000
140	**Total International Travel**	
141		
142	**Equipment**	
143		
144		
145	**Total Equipment**	
146		
147	**Diagnostics**	
148	Laboratory Supplies (reagents and consumables)	73,046
149	Sequencing	7,500
150	**Total Diagnostics**	
151		
152	**Supplies**	
153	Office Supplies / Stationery	200
154	**Total Supplies**	
155		
156	**Other Costs**	
157	Biosafety and lab training	7,000
158	Communications	150
159	Shipping	2,000
160		
161	**Total Other Costs**	
162	**Total Direct Costs**	
163	***Indirect Costs***	
164	**Total Costs**	
165		
166	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Puskesmas Kawangkoan Hospital**	
167	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
168		
169	**Salaries**	
170	Clinician	15,000
171	Phlebotomist or nurse	15,000
172	**Salaries Total**	
173	**Total Direct Costs**	
174	***Indirect Costs***	

	A	B
175	**Total Costs**	
176		
177	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Noongan Hospital**	
178	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
179		
180	**Salaries**	
181	Clinician	15,000
182	Phlebotomist or nurse	15,000
183	**Salaries Total**	
184	**Total Direct Costs**	
185	***Indirect Costs***	
186	**Total Costs**	
187		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	10%	14,000		**14,000**
6	33%	22,110		**22,110**
7		**36,110**	**-**	**36,110**
8				
9	**31.30%**			
10	10%	4,382		**4,382**
11	33%	6,920		**6,920**
12		**11,302**	**-**	**11,302**
13				
14				
15	3	12,702		**12,702**
16	4	40,468		**40,468**
17		**53,170**	-	**53,170**
18				
19				
20		508,112	-	**508,112**
21		240,752	-	**240,752**
22		-	-	**-**
23		18,975	-	**18,975**
24	1	50,000		**50,000**
25		**817,839**	**-**	**817,839**
26				
27				
28	0	-		**-**
29	0	-		**-**
30		**-**	**-**	**-**
31		**918,422**	**-**	**918,422**
32	***32.0%***	*32,186*	-	*32,186*
33	***32.0%***	*21,470*		*21,470*
34				-
35		**972,078**	**-**	**972,078**
36				
37				
38	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
39				
40				
41	50%	10,000		**10,000**
42	100%	8,000		**8,000**

	C	D	E	F
43	35%	6,300		**6,300**
44	50%	4,000		**4,000**
45	100%	3,000		**3,000**
46	50%	1,500		**1,500**
47	30%	3,000		**3,000**
48	20%	2,000		**2,000**
49		**37,800**	-	**37,800**
50				
51				
52	4	19,600		**19,600**
53	30	18,000		**18,000**
54	30	5,400		**5,400**
55	24	1,200		**1,200**
56		**44,200**	-	**44,200**
57				
58				
59		-		-
60		-	-	-
61				
62				
63	1600	320,000		**320,000**
64	160	12,000		**12,000**
65		**332,000**	-	**332,000**
66				
67				
68	1	9,850		**9,850**
69	4	2,000		**2,000**
70	4	400		**400**
71	1	500		**500**
72	1	500		**500**
73	30	1,500		**1,500**
74	250	3,750		**3,750**
75	2	200		**200**
76	200	4,000		**4,000**
77	2	6,000		**6,000**
78	200	2,000		**2,000**
79	20	2,000		**2,000**
80	20	100		**100**
81	4	80		**80**
82	4	100		**100**
83	20	40		**40**
84	1	2,500		**2,500**
85	8	4,000		**4,000**
86	400	2,000		**2,000**

	C	D	E	F
87	1	1,300		**1,300**
88	2	2,600		**2,600**
89	1	1,500		**1,500**
90		-		**-**
91		**46,920**	**-**	**46,920**
92				
93				
94	1	1,000		**1,000**
95		-		**-**
96		**1,000**	**-**	**1,000**
97		**461,920**	-	**461,920**
98	***10.0%***	*46,192*	-	**46,192**
99		**508,112**	**-**	**508,112**
100				
101				
102	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
103				
104				
105	30%	16,200		**16,200**
106	85%	13,260		**13,260**
107	100%	10,800		**10,800**
108	50%	7,200		**7,200**
109	30%	6,120		**6,120**
110	30%	8,640		**8,640**
111	85%	5,100		**5,100**
112		**67,320**	**-**	**67,320**
113				
114				
115	30%	1,350		**1,350**
116	85%	170		**170**
117	100%	200		**200**
118	85%	827		**827**
119	100%	674		**674**
120	85%	1,105		**1,105**
121	100%	900		**900**
122	50%	600		**600**
123	30%	510		**510**
124	85%	425		**425**
125	85%	318		**318**
126	85%	170		**170**
127	30%	720		**720**
128		**7,970**	**-**	**7,970**
129				
130				

	C	D	E	F
131	5	11,550		**11,550**
132	3	6,540		**6,540**
133	3	6,540		**6,540**
134	12	1,200		**1,200**
135		**25,830**	-	**25,830**
136				
137				
138	2	6,000		**6,000**
139	1	5,000		**5,000**
140		**11,000**	-	**11,000**
141				
142				
143		-		-
144		-		-
145		-	-	-
146				
147				
148	1	73,046		**73,046**
149	1	7,500		**7,500**
150		**80,546**	-	**80,546**
151				
152				
153	12	2,400		**2,400**
154		**2,400**	-	**2,400**
155				
156				
157	2	14,000		**14,000**
158	12	1,800		**1,800**
159	4	8,000		**8,000**
160		-		-
161		**23,800**	-	**23,800**
162		**218,866**	-	**218,866**
163	***10%***	*21,887*	-	*21,887*
164		**240,752**	-	**240,752**
165				
166				
167	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
168				
169				
170	15%	2,250		**2,250**
171	100%	15,000		**15,000**
172		**17,250**	-	**17,250**
173		**17,250**	-	**17,250**
174	***10.0%***	*1,725*	-	**1,725**

	C	D	E	F
175		**18,975**	**-**	**18,975**
176				
177				
178	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
179				
180				
181	15%	2,250		**2,250**
182	100%	15,000		**15,000**
183		**17,250**	**-**	**17,250**
184		**17,250**	**-**	**17,250**
185	***10.0%***	*1,725*	-	**1,725**
186		**18,975**	**-**	**18,975**
187				

	A	B
1	**PREDICT-2 Jordan Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	74,200
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	23,225
12	EPT PARTNER LIAISON (Billy Karesh)	82,626
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17		
18	Sampling trip (2 travelers)	10,650
19	**Total International Travel**	
20		
21	**Contractual**	
22	Jordan University of Science and Technology (JUST) (details below)	
23	Dr. Ehab Abu-Basha (consultant)	80,000
24	**Total Contractual**	
25		
26	**Supplies**	
27	Supplies (purchased in US, shipped to Jordan)	5,000
28	Sample/supply shipping costs	5,000
29	**Total Supplies**	
30	**Total Direct Costs**	
31	***Indirect Costs***	
32	***Indirect Costs on Contracts & Subagreements***	
33	***EHA Global - see tab for details***	
34	**Total Costs**	
35		
36	**PREDICT-2 Jordan Year 4 Budget - EHA subagreement to Jordan University of Science and Technology**	
37	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
38		
39	**Salaries**	
40		
41	Laboratory Technician	26,500
42	Laboratory Team Lead	50,500

	A	B
43	Laboratory Team Co-Lead	50,500
44	Field Coordinator	20,000
45	Field Veterinarian	60,000
46	Field Technician 1 for Human Surveillance	30,000
47	Junior Field Technician 1	15,000
48	Junior Field Technician 2	15,000
49	Administrative support 1	70,500
50	**Salaries Total**	
51		
52	**Domestic Travel**	
53	Lodging for 10 team members (daily)	71
54	Per diem for field team (daily)(10 team members, two weeks)	71
55	Vehicle rental fees (cost/day including driver, gas, tolls)	1,286
56	**Total Domestic Travel**	
57		
58	**International Travel**	
59	Country Coordinator to regional meeting (includes flight and per diem)	4,000
60	**Total International Travel**	
61		
62	**Diagnostics**	
63	Testing for four viral families, including initial extraction (2 samples per animal x 200 bats)	120
64	Cloning and sequencing (bats) (10% positive)	100
65	Cost per sample for serology testing at JUST (1 sample per person x 200 humans)	20
66	Confirmatory serology testing at Columbia University (1 sample per person x 200 humans)	20
67	**Total Diagnostics**	
68		
69	**Supplies**	
70	Tubes, syringes, needles	5,000
71	Other field disposables (Cryo boxes, vacutainers, 96-well plates)	5,000
72	Field and lab PPE (gloves, masks, protective coveralls)	5,000
73	Animal capture equipment (nets, poles, traps)	5,000
74	Dry shippers	3,000
75	Office Supplies	9,000
76	**Total supplies**	
77		
78	**Other Costs**	
79	Acknowledgements for human research partipipants (sampled and interviewed)	10
80	Transcription and translation for behavioral surveys	3,000
81	Publishing cost	2,000
82	**Total Other Costs**	
83	**Total Direct Costs**	
84	***Indirect Costs, est***	
85	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	37,100		**37,100**
6	3%	7,919		**7,919**
7		-		-
8		**45,019**	**-**	**45,019**
9				
10	**31.30%**			
11	50%	11,612		**11,612**
12	3%	2,479		**2,479**
13	0%	-		-
14		**14,091**	**-**	**14,091**
15				
16				
17		-		-
18	2	21,300		**21,300**
19		**21,300**	**-**	**21,300**
20				
21				
22		260,907	-	**260,907**
23	1	80,000	-	**80,000**
24		**340,907**	**-**	**340,907**
25				
26				
27	0	-		-
28	0	-		-
29		-	-	-
30		**421,317**	**-**	**362,207**
31	***32.0%***	*25,731*	-	**25,731**
32	***32.0%***	*25,600*		**25,600**
33				-
34		**472,649**	**-**	**413,538**
35				
36				
37	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
38				
39				
40		-		-
41	40%	10,600		**10,600**
42	30%	15,150		**15,150**

	C	D	E	F
43	30%	15,150		**15,150**
44	40%	8,000		**8,000**
45	30%	18,000		**18,000**
46	30%	9,000		**9,000**
47	40%	6,000		**6,000**
48	40%	6,000		**6,000**
49	8%	5,288		**5,288**
50		**93,188**	-	**93,188**
51				
52				
53	140	10,000		**10,000**
54	140	10,000		**10,000**
55	14	18,000		**18,000**
56		**38,000**	-	**38,000**
57				
58				
59	1	4,000		**4,000**
60		**4,000**	-	**4,000**
61		.		
62				
63	400	48,000		**48,000**
64	40	4,000		**4,000**
65	200	4,000		**4,000**
66	200	4,000		**4,000**
67		**60,000**	-	**60,000**
68				
69				
70	1	5,000		**5,000**
71	1	5,000		**5,000**
72	1	5,000		**5,000**
73	1	5,000		**5,000**
74	1	3,000		**3,000**
75	1	9,000		**9,000**
76		**32,000**	-	**32,000**
77				
78				
79	500	5,000		**5,000**
80	1	3,000		**3,000**
81	1	2,000		**2,000**
82		**10,000**	-	**10,000**
83		**237,188**	-	**237,188**
84	***10.00%***	*23,719*	-	**23,719**
85		**260,907**	-	**260,907**

	A	B
1	**PREDICT-2 Liberia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	155,000
6	COUNTRY LIAISON, LIBERIA (Emma Lane)	53,000
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	48,515
12	COUNTRY LIAISON, LIBERIA (Emma Lane)	16,589
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	EHA staff to Liberia	5,782
18	EHA staff to Liberia (meetings with local collaborators)	3,717
19	**Total International Travel**	
20		
21	**Contractual**	
22	Society for the Conservation of Nature, Liberia (SCNL) subagreement (detail below)	
23	National Public Health Institute of Liberia (NPHIL) (detail below)	
24	Columbia University (detail below)	
25	J. Desmond	125,000
26	**Total Contractual**	
27		
28	**Supplies**	
29	Laboratory disposables (pipette guns, tips, boxes, trays, etc) (bulk)	5,000
30	qPCR and cartridges (Ebola specific) (cost per test)	21
31	Harp traps (8), nets, poles, tubes, traps, PPE (bulk)	5,000
32	Field disposibles (for 10,000 animals/ year)	195,831
33	**Total Supplies**	
34		
35	**Other costs**	
36	Supplies to Liberia (excess baggage charge on commercial flight) (rate per shipping crate)	175
37	Shipping samples to US/supplies to Liberia	10,000
38	**Total other costs**	
39	**Total Direct Costs**	
40	***Indirect Costs***	
41	***Indirect Costs on Contracts & Subagreements***	
42	***EHA Global - see tab for details***	

	A	B
43	**Total Costs**	
44		
45	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to Society for the Conservation of Nature, Liberia (SCNL)**	
46	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
47		
48	**Salaries**	
49	Field technician (monthly)	600
50	Field technician (monthly)	600
51	Field technician (monthly)	600
52	Field technician (monthly)	600
53	Field technician (monthly)	600
54	Field technician (monthly)	600
55	Field technician (monthly)	600
56	Field technician (monthly)	600
57	Field scientist (monthly)	900
58	Field scientist (monthly)	900
59	Social scientist (monthly)	900
60	Social scientist (monthly)	900
61	**Salaries Total**	
62		
63	**Domestic Travel**	
64	Fuel (for four vehicles, 22 travel days per month)	3,200
65	Vehicle maintenance / repair (for 4 vehicles)	3,333
66	Accomodation (field house, local hotel)($30 per person per night X 20 nights per month X 10 people)	6,000
67	Food ($10 per person per day X 22 days per month X 10 people)	2,200
68	**Total Domestic Travel**	
69		
70	**Other costs**	
71	PREDICT project office rent (monthly)	1,850
72	**Total other costs**	
73	**Total Direct Costs**	
74	***Indirect Costs***	
75	**Total Costs**	
76		
77	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to National Public Health Institute of Liberia (NPHIL)**	
78	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
79		
80	**Salaries**	
81	Lab technician	6,800
82	Lab technician II	7,000
83	Lab technician III	7,200
84	Lab technician IV	7,400

	A	B
85		
86	**Salaries Total**	
87		
88	**Equipment**	
89		
90		
91		
92		
93	**Total Equipment**	
94		
95	**Diagnostics**	
96	Laboratory Reagents and Consumables (cost per sample for 5 assays)	150
97	Sequencing for 5% of samples tested	10
98	**Total Diagnostics**	
99		
100	**Supplies**	
101	Pipettor Set (GeneMate) inluding multichannel	2,550
102	Gel Box and electrophoresis power supply	1,560
103	**Total Supplies**	
104	**Total Direct Costs**	
105	***Indirect costs***	
106	**Total Costs**	
107		
108	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to Columbia University**	
109	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
110		
111	**Salaries**	
112	Simon Anthony - Associate Research Scientist	125,000
113	Isa Navarette - Senior Technician	50,375
114	Alex Petrosov - Deep Sequencing Technician	55,413
115	Bohyun Lee - Bioinformatics	54,737
116	Brittany Miller - Project Manager	56,067
117	**Salaries Total**	
118		
119	**Fringe Benefits**	
120	Simon Anthony - Associate Research Scientist	35,250
121	Isa Navarette - Senior Technician	14,206
122	Alex Petrosov - Deep Sequencing Technician	15,626
123	Bohyun Lee - Bioinformatics	15,436
124	Brittany Miller - Project Manager	15,811
125	**Fringe Benefits Total**	
126		
127	**Diagnostics**	
128	Cost per sample for testing for all five viral families, including initial extraction	50

	A	B
129		
130	**Total Diagnostics**	
131		
132	**Other costs**	
133	Sanger sequencing of approximately 750 positive samples (8 sequences each, $5/sequence)	41
134	**Total other costs**	
135	**Total Direct Costs**	
136	***Indirect costs***	
137	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
3				
4				
5	5%	7,750		**7,750**
6	30%	15,900		**15,900**
7		-		-
8		**23,650**	-	**23,650**
9				
10	**31.30%**			
11	5%	2,426		**2,426**
12	30%	4,977		**4,977**
13	0%	-		-
14		**7,402**	-	**7,402**
15				
16				
17	2	11,564		**11,564**
18	2	7,434		**7,434**
19		**18,998**	-	**18,998**
20				
21				
22		329,780	-	**329,780**
23		201,311	-	**201,311**
24		519,537	-	**519,537**
25	1	125,000		**125,000**
26		**1,175,628**	-	**1,175,628**
27				
28				
29	0	-		-
30	-	-		-
31	0	-		-
32	1	195,831		**195,831**
33		**195,831**	-	**195,831**
34				
35				
36	11	1,925		**1,925**
37	1	10,000		**10,000**
38		**11,925**		**11,925**
39		**1,433,434**	-	**1,433,434**
40	***32.0%***	*82,498*	-	*82,498*
41	***32.0%***	*40,000*		*40,000*
42				-

	C	D	E	F
43		**1,555,932**	**-**	**1,555,932**
44				
45				
46	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
47				
48				
49	12	7,200		**7,200**
50	12	7,200		**7,200**
51	12	7,200		**7,200**
52	12	7,200		**7,200**
53	12	7,200		**7,200**
54	12	7,200		**7,200**
55	12	7,200		**7,200**
56	12	7,200		**7,200**
57	12	10,800		**10,800**
58	12	10,800		**10,800**
59	12	10,800		**10,800**
60	12	10,800		**10,800**
61		**100,800**	**-**	**100,800**
62				
63				
64	12	38,400		**38,400**
65	12	40,000		**40,000**
66	12	72,000		**72,000**
67	12	26,400		**26,400**
68		**176,800**	**-**	**176,800**
69				
70				
71	12	22,200		**22,200**
72		**22,200**	**-**	**22,200**
73		**299,800**	**-**	**299,800**
74	***10.0%***	*29,980*	-	**29,980**
75		**329,780**	**-**	**329,780**
76				
77				
78	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
79				
80				
81	100%	6,800		**6,800**
82	100%	7,000		**7,000**
83	100%	7,200		**7,200**
84	100%	7,400		**7,400**

	C	D	E	F
85		-		-
86		**28,400**	-	**28,400**
87				
88				
89		-		-
90		-		-
91		-		-
92		-		-
93		-	-	-
94				
95				
96	1000	150,000		**150,000**
97	50	500		**500**
98		**150,500**	-	**150,500**
99				
100				
101	1	2,550		**2,550**
102	1	1,560		**1,560**
103		**4,110**	-	**4,110**
104		**183,010**	-	**183,010**
105	**10.0%**	*18,301*	-	*18,301*
106		**201,311**	-	**201,311**
107				
108				
109	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
110				
111				
112	22%	27,500		**27,500**
113	30%	15,113		**15,113**
114	17%	9,237		**9,237**
115	8%	4,560		**4,560**
116	3%	1,867		**1,867**
117		**58,276**	-	**58,276**
118	**28.2%**			
119				
120	22%	7,755		**7,755**
121	30%	4,262		**4,262**
122	17%	2,605		**2,605**
123	8%	1,286		**1,286**
124	3%	527		**527**
125		**16,434**	-	**16,434**
126				
127				
128	5000	250,000		**250,000**

	C	D	E	F
129		-		-
130		**250,000**	-	**250,000**
131				
132				
133	0	-	-	-
134		-	-	-
135		**324,710**	-	**324,710**
136	**60.0%**	*194,826*	-	*194,826*
137		**519,537**	-	**519,537**

	A	B
1	**PREDICT-2 Malaysia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	COUNTRY LIAISON, MALAYSIA (Allison White)	70,000
6	EHA OUTBREAK LEAD (Jon Epstein)	155,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	COUNTRY LIAISON, MALAYSIA (Allison White)	21,910
11	EHA OUTBREAK LEAD (Jon Epstein)	48,515
12	**Fringe Benefits Total**	
13		
14	**International Travel**	
15	INSTITUTIONAL LEAD (Peter Daszak) to Malaysia	7,944
16	Scoping visit/meetings with in-country partners	3,404
17	Sampling trip	7,824
18	**Total International Travel**	
19		
20	**Contractual**	
21	Conservation Medicine subagreement (see detail below)	
22	**Total Contractual**	
23		
24	**Equipment**	
25		
26	**Total Equipment**	
27	**Total Direct Costs**	
28	***Indirect Costs***	
29	***Indirect Costs on Contracts & Subagreements***	
30	***EHA Global - see tab for details***	
31	**Total Costs**	
32		
33	**PREDICT-2 Malaysia Year 4 Budget - EHA subagreement to Conservation Medicine (previously known as Tom Hughes)**	
34	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
35		
36	**Salaries**	
37	Tom Hughes (Program Coordinator)	114,984
38	Mei Ho Lee (Lab Coordinator)	27,188
39	Jimmy Lee (Field Coordinator)	24,910
40	Lab Manager WHGFL	15,865
41	Faizal Kamarol Zaman (Program Assistant)	15,897
42	Emily Sion (Lab Tech)	9,574
43	Lab Tech	8,076

	A	B
44	Andrew Ginsos WHU Team leader stipend (not full salary)	673
45	Senior Ranger	9,270
46	Junior Ranger	6,176
47	Junior Ranger	6,176
48	Junior Ranger	6,176
49	Junior Ranger	6,176
50	Junior Ranger	6,176
51	**Salaries Total**	
52		
53	**Domestic Travel**	
54	Food, Accommodation, fuel, 1 DF sampling trip Kinabatangan	3,403
55	Food, fuel, 1 DF sampling trip Telupid	616
56	Food, Accommodation, fuel, vehicle and other rentals OA sampling trip	3,818
57	Accomodation for team PM and Sabah for meetings and work other than field trips.	449
58	Domestic flights, fuel and tolls (monthly cost)	1,420
59	**Total Domestic Travel**	
60		
61	**International Travel**	
62	Country coordinator to RDMA (includes cost of flight, accomodation 3 nights, food, local transportation)	906
63		
64	**Total International Travel**	
65		
66	**Diagnostics**	
67	Testing DF animals, unpooled U, T samples for 5 priority families (cost per sample)	56
68	Testing bats collected by Dr Vijay and PhD student, unpooled U, T samples for 5 priority families (cost per sample)	57
69	Testing OA wild animal, unpooled U, T samples for 5 priority families (cost per sample)	43
70	Testing OA Livestock or domestic animals, unpooled U, T samples for 5 priority families (cost per sample)	37
71	Testing Human OA, unpooled N, T samples for 5 priority families (cost per sample)	49
72	Testing Human OA, unpooled U, R samples for 5 priority families (cost per sample)	58
73	Testing 100 Humans for Syndromic Surveillance Sabah, unpooled samples for 5 priority families (cost per sample)	58
74	**Total Diagnostics**	
75		
76	**Supplies**	
77	Consumables for 400 animals 4 DF sampling trips Kinabatangan (cost per trip)	963
78	Consumables for 400 animals 4 DF sampling trips Telupid (cost per trip)	2,296
79	Consumables for 720 animals over 6 OA sampling trips (360 Wild, 360 domestic or Livestock) (cost per trip)	3,177
80	Consumables for 600 Orang Asli over 6 trips (cost per trip)	4,446

	A	B
81	Consumables for 100 Humans for Syndromic Surveillance Sabah for 6 sample types (cost per person)	26
82	Consumables for Syndromic Surveillance Sabah - liquid Nitrogen	1,795
83	Office supplies	11
84		
85	**Total Supplies**	
86		
87	**Other Costs**	
88	Communication (monthly)	449
89	Accounting software annual fee	75
90	Car Maintenance x 2 Hilux	261
91	Office rent	112
92	Office maintenance	26
93	Conference registrations	673
94	Lab equipment preventative maintenance PM 1 year	5,609
95	Lab equipment preventative maintenance Sabah 1 year	1,884
96		
97		
98	**Total Other Costs**	
99	**Total Direct Costs**	
100	***Indirect Costs***	
101	**Total Costs**	
102		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	20%	14,000		**14,000**
6	10%	15,500		**15,500**
7		**29,500**	**-**	**29,500**
8				
9	**31.30%**			
10	20%	4,382		**4,382**
11	10%	4,852		**4,852**
12		**9,234**	**-**	**9,234**
13				
14				
15	1	7,944		**7,944**
16	1	3,404		**3,404**
17	1	7,824		**7,824**
18		**19,172**	**-**	**19,172**
19				
20				
21		716,537	-	**716,537**
22		**716,537**	**-**	**716,537**
23				
24				
25		-		-
26		-	-	-
27		**774,443**	**-**	**774,443**
28	***32.0%***	*18,530*	-	*18,530*
29	***32.0%***			-
30				-
31		**792,972**	**-**	**792,972**
32				
33				
34	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
35				
36				
37	50%	57,492		**57,492**
38	50%	13,594		**13,594**
39	50%	12,455		**12,455**
40	100%	15,865		**15,865**
41	50%	7,948		**7,948**
42	50%	4,787		**4,787**
43	50%	4,038		**4,038**

	C	D	E	F
44	50%	337		**337**
45	50%	4,635		**4,635**
46	50%	3,088		**3,088**
47	50%	3,088		**3,088**
48	50%	3,088		**3,088**
49	50%	3,088		**3,088**
50	50%	3,088		**3,088**
51		**136,591**	**-**	**136,591**
52				
53				
54	2	6,807		**6,807**
55	3	1,848		**1,848**
56	6	22,910		**22,910**
57	12	5,384		**5,384**
58	12	17,037		**17,037**
59		**53,986**	**-**	**53,986**
60				
61				
62	1	906		**906**
63		-		-
64		**906**	**-**	**906**
65				
66				
67	2,000	111,807		**111,807**
68	2,000	114,261		**114,261**
69	800	34,251		**34,251**
70	800	29,584		**29,584**
71	2,400	117,101		**117,101**
72	300	17,279		**17,279**
73	200	11,639		**11,639**
74		**435,922**	**-**	**435,922**
75				
76				
77	4	3,852		**3,852**
78	4	9,186		**9,186**
79	6	19,065		**19,065**
80	6	26,678		**26,678**

	C	D	E	F
81	100	2,601		**2,601**
82	1	1,795		**1,795**
83	12	137		**137**
84		-		**-**
85		**63,314**	**-**	**63,314**
86				
87				
88	12	5,384		**5,384**
89	1	75		**75**
90	12	3,130		**3,130**
91	12	1,346		**1,346**
92	12	314		**314**
93	12	8,076		**8,076**
94	1	5,609		**5,609**
95	1	1,884		**1,884**
96		-		**-**
97		-		-
98		**25,819**	**-**	**25,819**
99		**716,537**	**-**	**716,537**
100	***0.0%***	-	-	-
101		**716,537**	**-**	**716,537**
102				

	A	B
1	**PREDICT-2 Republic of Congo Year 4 Budget - EcoHealth Alliance subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO RoC (TBN)	70,000
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	SCIENTIST/COUNTRY LIAISON TO RoC (TBN)	21,910
11	EPT PARTNER LIAISON (Billy Karesh)	82,626
12	**Fringe Benefits Total**	
13		
14	**Domestic Travel**	
15		
16	**Total Domestic Travel**	
17		
18	**International Travel**	
19	EHA staff to Republic of Congo (sampling trip)	5,784
20	EHA staff to Republic of Congo (scoping visit/meetings with local collaborators)	5,454
21		
22	**Total International Travel**	
23		
24	**Contractual**	
25	Laboratoire National de Sante Publique (LNSP) (detail below)	
26	Laboratoire National de Diagnostic Veterinaire de Brazzaville (LDVB) (detail below)	
27	Meyangui Integrated Health Centre, Brazzaville (detail below)	
28	Columbia University (detail below)	
29	**Total Contractual**	
30		
31	**Supplies**	
32	**PPE (Wildlife)**	
33	Nitrile Large extended cuff (500 per case)	252
34	Nitrile Medium extended cuff (500 per case)	252
35	Nitrile small extended cuff (500 per case)	252
36	N100 respirators (20 per case)	190
37	N95 respirators (80 per case)	243
38	tyvek hooded large (25 per case)	290
39	tyvek hooded medium (25 per case)	290
40	safety glasses	355
41	**Blood Collection**	
42	Isoflurane (250mL/bottle)	35
43	LW-scientific-usa-e8-series-centrifuge	578

	A	B
44	HemataStata II microhematocrit centrifuge	2,325
45	HemataStata II microhematocrit rechargable Ni-metal battery	168
46	HemataStata II microhematocrit centrifuge carrying case	373
47	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
48	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
49	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
50	Hematocrit tube sealant (10 per package)	46
51	Microhematorcrit capillary pipette bulb	10
52	Cryovials 0.5mL (for serum)	588
53	Nunc internally threaded cryovials, 1.8mL	1,385
54	Nunc 3.6 mL	1,603
55	colored caps blue (500 units/case)	170
56	colored caps red (500 units/case)	170
57	colored caps green (500 units/case)	170
58	colored caps yellow (500 units/case)	170
59	colored caps brown (500 units/case)	170
60	colored caps grey (500 units/case)	170
61	Corning cryobox 10x10	153
62	Cotton balls (med)	54
63	BD alcohol swabs	29
64	Needles 27g 3/4	100
65	Needles 25g 3/4	100
66	Needles 23g 3/4	100
67	Needles 18g 3/4	100
68	Red-top vaccutainer 3.0 mL	182
69	Red-top vaccutainer 6.0 mL	206
70	pipette gun: 1 µl -10uL	351
71	pipette gun: 100 µl -1000uL	351
72	pipette gun 20uL-200uL	351
73	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
74	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120
75	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
76	Syringes 1mL	90
77	Syringes 3mL	90
78	Syringes 5mL	90
79	Sharps containers 8 gal	30
80	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
81	Viral transport media (pre-aliquotted)	1,000
82	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
83	Puritan 6' polyester sterile swabs minitip (500 case)	338
84	Povidone iodine prep pad (1000/case)	170
85	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111

	A	B
86	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
87	Triple antibiotic ointment - 0.5gr (20 per package)	6
88	**Measurements**	
89	Fisherbrand* Traceable* Digital Calipers	50
90	OHAUS CS series flat scale	186
91	Pesola® Micro-Line Spring Scale 10 g	54
92	Pesola® Micro-Line Spring Scale 30 g	51
93	Pesola® Micro-Line Spring Scale 60 g	48
94	Pesola® Micro-Line Spring Scale 100 g	50
95	Pesola® LightLine Spring Scale 1000g	39
96	Pesola® LightLine Spring Scale 10kg	125
97	Pesola® LightLine Spring Scale 20kg	135
98	**Clean up**	
99	Autoclave/biohazard bags large 45x36in	134
100	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
101	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
102	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
103	**capture (Bats)**	
104	Cotton holding bag (8in x 12in)	1
105	Cotton holding bag for large bats	3
106	500 lumen rechargable headlamp	81
107	200-300 lumen rechargable headlamp	60
108	Wildlife handling leather gloves (small)	121
109	Wildlife handling leather gloves (large)	121
110	Harp trap 72in by 80in	1,495
111	Baffle bar roost 6 ft	69
112	Replacement catch bag for harp trap	69
113		
114	**Total Supplies**	
115		
116	**Diagnostics**	
117		
118	**Total Diagnostics**	
119		
120	**Other Costs**	
121	Supplies to Republic of Congo (excess baggage charge on commercial flight) (rate per shipping crate)	175
122	Shipping samples/supplies to US	10,000
123		
124	**Total Other Costs**	
125	**Total Direct Costs**	
126	***Indirect Costs***	
127	***Indirect Costs on subagreements & Contracts***	
128	***EHA Global - see tab for details***	
129	**Total Costs**	
130		

	A	B
131	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Laboratoire National de Sante Publique (LNSP)**	
132	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
133		
134	**Salaries**	*Per month*
135	LNSP Technical Lead (Pr. Para)	452
136	LNSP - Senior Lab Tech (Dr Niala)	226
137	LNSP Lab Technician - (Mme Gangone)	181
138		
139		
140	**Salaries Total**	
141		
142	**Fringe Benefits**	
143		
144		
145	**Fringe Benefits Total**	
146		
147	**Domestic Travel**	
148	Sibiti Hospital Human Surveillance	439
149	Field Sample Collection Sibiti	1,307
150	**Total Domestic Travel**	
151		
152	**International Travel**	
153	Trip to Cameroon for training	2,365
154	**Total International Travel**	
155		
156	**Diagnostics**	
157	Laboratory Reagents and Consumables (cost per sample for 5 assays)	150
158	Sequencing for 5% of samples tested	10
159	**Total Diagnostics**	
160		
161	**Supplies**	
162	Local lab supplies	2,000
163	Office supplies	3,158
164	**Total Supplies**	
165		
166	**Other Costs**	
167	Direct Office Operational Costs	570
168	Internet Connection cost	313
169	Strategic Meetings with RoC GoV and local EPT meetings	877
170	Customs Clearance for shipments	877
171	**Total Other Costs**	
172	**Total Direct Costs**	
173	***Indirect Costs***	
174	**Total Costs**	

	A	B
175		
176	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Laboratoire National de Diagnostic Veterinaire de Brazzaville (LDVB)**	
177	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
178		
179	**Salaries**	*Per month*
180	LDVB - Technical Lead (Dr. Ikolakouma)	452
181	LDVB - Senior Lab Tech (Dr. Nina)	226
182	LDVB - Lab Technician (Dr. Ntelo)	181
183		
184	**Total Salaries**	
185		
186	**Domestic Travel**	
187	Field Sample Collection Sibiti	7,484
188		
189	**Total Domestic Travel**	
190		
191	**International Travel**	
192	Trip to Cameroon for training	2,365
193		
194	**Total International Travel**	
195		
196	**Supplies**	
197	Field supplies	2,171
198	Office supplies	3,158
199	**Total Supplies**	
200		
201	**Other Costs**	
202	Direct Office Operational Costs	175
203	Monthly Internet Connection cost	181
204	Laptop	868
205	**Total Other Costs**	
206	**Total Direct Costs**	
207	***Indirect Costs***	
208	**Total Costs**	
209		
210	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Meyangui Integrated Health Centre, Brazzaville**	
211	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
212		
213	**Salaries**	
214	Clinician	15,000
215	Phlebotomist or nurse	15,000
216		

	A	B
217	**Total Salaries**	
218	**Total Direct Costs**	
219	***Indirect Costs***	
220	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	35,000		**35,000**
6	3%	7,919		**7,919**
7		**42,919**	-	**42,919**
8				
9	**31.30%**			
10	50%	10,955		**10,955**
11	3%	2,479		**2,479**
12		**13,434**	-	**13,434**
13				
14				
15		-		-
16		-	-	-
17				
18				
19	3	17,352		**17,352**
20	2	10,908		**10,908**
21		-		-
22		**28,260**	-	**28,260**
23				
24				
25		235,635	-	**235,635**
26		-	-	-
27		9,818		**9,818**
28		-	-	-
29		**245,453**	-	**245,453**
30				
31				
32		-		-
33	2	504		**504**
34	3	756		**756**
35	3	756		**756**
36	4	760		**760**
37	6	1,458		**1,458**
38	3	870		**870**
39	3	870		**870**
40	2	710		**710**
41		-		-
42	15	525		**525**
43	1	578		**578**

	C	D	E	F
44	1	2,325		**2,325**
45	2	336		**336**
46	1	373		**373**
47	1	273		**273**
48	2	26		**26**
49	2	122		**122**
50	2	92		**92**
51	10	100		**100**
52	5	2,940		**2,940**
53	5	6,925		**6,925**
54	1	1,603		**1,603**
55	1	170		**170**
56	1	170		**170**
57	1	170		**170**
58	1	170		**170**
59	1	170		**170**
60	1	170		**170**
61	10	1,530		**1,530**
62	4	218		**218**
63	6	175		**175**
64	5	500		**500**
65	5	500		**500**
66	5	500		**500**
67	5	500		**500**
68	8	1,456		**1,456**
69	2	412		**412**
70	2	702		**702**
71	2	702		**702**
72	2	702		**702**
73	3	360		**360**
74	3	360		**360**
75	3	360		**360**
76	6	540		**540**
77	6	540		**540**
78	6	540		**540**
79	10	300		**300**
80	1	71		**71**
81	1	1,000		**1,000**
82	3	1,245		**1,245**
83	2	676		**676**
84	1	170		**170**
85	2	222		**222**

	C	D	E	F
86	4	92		**92**
87	5	30		**30**
88		-		**-**
89	4	200		**200**
90	2	372		**372**
91	2	108		**108**
92	2	101		**101**
93	2	96		**96**
94	2	100		**100**
95	2	78		**78**
96	2	250		**250**
97	2	270		**270**
98		-		**-**
99	3	402		**402**
100	1	63		**63**
101	1	466		**466**
102	1	308		**308**
103		-		**-**
104	200	276		**276**
105	200	600		**600**
106	4	324		**324**
107	6	360		**360**
108	4	484		**484**
109	4	484		**484**
110	2	2,990		**2,990**
111	2	138		**138**
112	2	138		**138**
113		-		**-**
114		**46,932**	**-**	**46,932**
115				
116				
117		-		**-**
118		**-**	**-**	**-**
119				
120				
121	11	1,925		**1,925**
122	1	10,000		**10,000**
123		-		**-**
124		**11,925**	**-**	**11,925**
125		**388,923**	-	**388,923**
126	**32.0%**	45,910	-	**45,910**
127	**32.0%**	11,141.60		**11,142**
128				**-**
129		**445,975**	**-**	**445,975**
130				

	C	D	E	F
131				
132	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
133				
134				
135	12	5,424		**5,424**
136	12	2,712		**2,712**
137	12	2,172		**2,172**
138		-		-
139		-		-
140		**10,308**	-	**10,308**
141				
142				
143		-		-
144		-		-
145		-	-	-
146				
147				
148	4	1,756		**1,756**
149	1	1,307		**1,307**
150		**3,063**	-	**3,063**
151		.		
152				
153	-	-		-
154		-	-	-
155				
156				
157	1200	180,000		**180,000**
158	60	600		**600**
159		**180,600**	-	**180,600**
160				
161				
162	0	-		-
163	0	-		-
164		-	-	-
165		.		
166				
167	12	6,840		**6,840**
168	12	3,756		**3,756**
169	3	2,631		**2,631**
170	8	7,016		**7,016**
171		**20,243**	-	**20,243**
172		**214,214**	-	**214,214**
173	***10.00%***	*21,421*	-	*21,421*
174		**235,635**	-	**235,635**

	C	D	E	F
175				
176				
177	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
178				
179				
180	-	-		-
181	-	-		-
182	-	-		-
183		-		-
184		-	-	-
185		.		
186				
187	0	-		-
188		-		-
189		-	-	-
190		.		
191				
192	-	-		-
193		-		-
194		-	-	-
195		.		
196				
197	0	-		-
198	0	-		-
199		-	-	-
200		.		
201				
202	0	-		-
203	0	-		-
204	0	-		-
205		-	-	-
206		-	-	-
207	***10.00%***	-	-	-
208		-	-	-
209				
210				
211	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
212				
213				
214	15%	2,250		**2,250**
215	45%	6,675		**6,675**
216		-		-

	C	D	E	F
217		**8,925**	**-**	**8,925**
218		**8,925**	**-**	**8,925**
219	***10.00%***	*893*	-	*893*
220		**9,818**	**-**	**9,818**

	A	B
1	**PREDICT-2 Thailand Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
6	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
11	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
12	**Fringe Benefits Total**	
13		
14	**International Travel**	
15	Scoping visit/meetings with in-country partners	3,822
16	Sampling trip	7,804
17	**Total International Travel**	
18		
19	**Contractual**	
20	Chulalongkorn subagreement (see detail below)	
21	TBD field technician/consultant (for human behavioral work)(includes travel, transciption and translation services)	25,573
22	**Total Contractual**	
23		
24	**Supplies**	
25	Supplies (purchased in US, shipped to Thailand)	5,000
26	Sample/supply shipping costs	5,000
27	**Total Supplies**	
28	**Total Direct Costs**	
29	***Indirect Costs***	
30	***Indirect Costs on Contracts & Subagreements***	
31	***EHA Global - see tab for details***	
32	**Total Costs**	
33		
34	**PREDICT-2 Thailand Year 4 Budget - EHA subagreement to Chulalongkorn University**	
35	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
36		
37	**Salaries**	
38	Country Coordinator: Supaporn	40,000
39	PI-Human study: Prof.Thiravat (Coordinate with local hospital, study design, review cases, data amalysis)	50,000
40	Co-PI-Human study: Dr.Abhinbhen (Review clinical data, select appropiate PREDICT assays, data anaysis)	20,000

	A	B
41	Lab Technician (Senior) Project manager (Prepare paper work/reports, coordinate with other partners, safety officer, manage human study)	20,000
42	IT technician for data mangment, bioinformatic and EIDITH input	15,000
43	Lab Technician Full-time Chonburi Bat, Ratchburi bat and rodent testing = 450 animals (2 specimens, 5-6 viral families) 4600 PCRs	12,000
44	Lab Technician Full-time Loei rodent and bat testing = 400 animals (2 specimens, 5-6 viral families) 4400 PCRs	12,000
45	Lab Technician full-time 100 macaque and 300 human= 400 animals (2 specimens, 5-10 viral families) 5100 PCRs	15,000
46	Lab Technician full-time DNA barcoding = 335 animals (2 genes) 670 PCRs and Sequencing	15,000
47	Hospital Coordinator (coordinate human study)	10,000
48	Field Coordinator (coordinate all animal field trips)	12,000
49	Administrative Support (Full-time)	15,000
50	**Salaries Total**	
51		
52	**Domestic Travel**	
53	Car rental, fuel, driver	449
54	Field team per diem and compenssation (including lodging)(unit # = 1 day/person)	176
55	Internal meetings within Thailand (flight and per diem; unit # = 1 trip, 1 traveler)	3,000
56	**Total Domestic Travel**	
57		
58	**Diagnostics**	
59	Extraction	12
60	RT	18
61	PCR	15
62	Cloning and sequencing (10% positive)	44
63	Barcoding	100
64	**Total Diagnostics**	
65		
66	**Supplies**	
67	PPE	12,000
68	Field disposables and reagents	10,000
69	Nets, traps	5,000
70	Lab supplies and reagents	15,000
71	Office and computer supplies	5,000
72	**Total Supplies**	
73		
74	**Other Costs**	
75	Acknowledgements for human research participants (sampled and interviewed)	10
76	Specimen transportation	100
77	Instrument maintenance / repair	10,000
78	Lab Instruments usage (6 PCR machines, 1 extraction machine, 5 centrifuges, 4 Biosafety cabinets, etc.)	100,000
79	**Total Other Costs**	

	A	B
80	**Total Direct Costs**	
81	***Indirect Costs***	
82	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	10%	14,000		**14,000**
6	33%	22,110		**22,110**
7		**36,110**	**-**	**36,110**
8				
9	**31.30%**			
10	10%	4,382		**4,382**
11	33%	6,920		**6,920**
12		**11,302**	**-**	**11,302**
13				
14				
15	3	11,466		**11,466**
16	2	15,608		**15,608**
17		**27,074**	-	**27,074**
18				
19				
20		481,599	118,700	**600,299**
21	0	-		-
22		**481,599**	**118,700**	**600,299**
23				
24				
25	0	-		-
26	0	-		-
27		-	-	-
28		**556,085**	**118,700**	**674,785**
29	***32.0%***	*23,836*	-	*23,836*
30	***32.0%***	-		-
31				-
32		**579,921**	**118,700**	**698,621**
33				
34				
35	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
36				
37				
38	30%	12,000		**12,000**
39	15%	7,500		**7,500**
40	15%	3,000		**3,000**

	C	D	E	F
41	100%	20,000		**20,000**
42	100%	15,000		**15,000**
43	100%	12,000		**12,000**
44	100%	12,000		**12,000**
45	100%	15,000		**15,000**
46	100%	15,000		**15,000**
47	100%	10,000		**10,000**
48	100%	12,000		**12,000**
49	100%	15,000		**15,000**
50		**148,500**	**-**	**148,500**
51				
52				
53	24	8,767	2,000	**10,767**
54	240	37,175	5,000	**42,175**
55	1	3,000		**3,000**
56		**48,942**	**7,000**	**55,942**
57				
58				
59	1600	18,816		**18,816**
60	2300	40,588		**40,588**
61	2300	33,824		**33,824**
62	230	10,147		**10,147**
63	850	85,000		**85,000**
64		**188,375**	**-**	**188,375**
65				
66				
67	1	12,000		**12,000**
68	1	10,000		**10,000**
69	1	5,000		**5,000**
70	1	7,500	7,500	**15,000**
71	1	2,500	2,500	**5,000**
72		**37,000**	**10,000**	**47,000**
73				
74				
75	200	2,000		**2,000**
76	30	3,000		**3,000**
77	1	10,000		**10,000**
78	1	-	100,000	**100,000**
79		**15,000**	**100,000**	**115,000**

	C	D	E	F
80		**437,817**	**117,000**	**554,817**
81	***10.0%***	*43,782*	*1,700*	**45,482**
82		**481,599**	**118,700**	**600,299**

From: Molly Turner <turner@ecohealthalliance.org>
To: David J Wolking <djwolking@ucdavis.edu>
CC: Liz Leasure <ealeasure@ucdavis.edu>;Dr. Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent: 8/29/2017 8:06:30 PM
Subject: Re: Year 4 revised budget

Sorry, that's $5/additional family.

On Tue, Aug 29, 2017 at 4:04 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

I just spoke with Jon and Simon, and we determined that this cost can reasonably be increased to $57/sample to account for testing the same sample for an additional four viral families (they tell me that fortunately the most expensive part of the process is the initial extraction and RT; additional family testing is about $5/additional PCR at CU). Jon is going to speak with the India team further as we think there's simply some misunderstanding on this point, as you suggest. Thank you for catching that.

I've made this change in the attached, with some corresponding reductions to the Thailand and Indonesia budgets, again all highlighted in blue.

On Tue, Aug 29, 2017 at 10:07 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
I see. Let me check in with Jon today.

On Mon, Aug 28, 2017 at 7:34 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thanks Molly, this is sounding good, I'll take a look with fresh eyes tomorrow. On the SG testing costs, it looks like the budget line item for testing is 2 PCR reactions. I'm not surprised if $37 covers extraction and 2 PCRs, just wondering if it is sufficient to cover costs for all five planned viral families (7 protocols in total and some of them nested PCR reactions which is a fancy way of saying lots of PCRs likely upwards of 10+). We might just want to check that all of that is factored in since our testing platform is so weird for most labs used to a specific pathogen costing exercise.

Cheers,

D

On Mon, Aug 28, 2017 at 2:08 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

As we're still ironing out details with LANADA, $50/sample was a rough estimate based on costs at Simon's lab and the amount of Ebola money we were able to reallocate from global staff salaries. You're right, it's not enough, so I've moved some things around in the Liberia budget so that we can increase to $150/sample while keeping the overall Ebola-funded amount consistent with the last revision.

For Bangladesh, that was my error; I've added back in the Columbia University portion of the Bangladesh budget in the attached, which is where the additional macaque testing takes place. As for the low cost of

testing the 2400 samples to be done at icddr,b (the remaining 1740 macaque samples will be done at Columbia), Mindy tells me that Zia is able to get a reduced bulk rate on reagents, which is why the cost per sample is so low. (I was able to reduce some costs in China in order to fund this).

Finally, the cost of testing in India is consistent with what USAID reviewed and approved when they approved our proposed subaward to Sanjay Gandhi, and our lead lab technician there has consistently said this is the cost of testing at his lab in discussions with Jon and Ava. Unfortunately Jon is not in the office today so I couldn't inquire as to why these costs are relatively low, but I can try to find out from him tomorrow when he's back. Harjeet (the lead lab technician at SG) has also provided us with a breakdown of this cost which we are happy to share with you.

Note that I also further increased the RoC testing costs in the attached.

All changes are highlighted in blue.

Best,
Molly

On Mon, Aug 28, 2017 at 1:32 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thank you!

On Mon, Aug 28, 2017 at 10:16 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

Sorry for the delay, I'm just checking into a few things and will get back to you ASAP.

On Fri, Aug 25, 2017 at 5:35 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Hey Molly and team,

A few quick questions (I hope) on CIV, Bangladesh, and India budgets after finalizing the GHSA country briefs today.

For CIV it looks pretty good given plans, though I'm concerned that the $50/specimen at LANADA is unrealistic for a lab in Africa (IPCI is listed as $150/specimen for comparison; in TZ we go with a likely under budgeted rate of $120/specimen). Any idea how that rate was generated?

For Bangladesh and India, it looks like viral testing costs for both countries are extremely low for the planned number of sites with the exception of IEDCR which now seems on target and justifiable.

Could you reach out to Jon for an explanation on how it is reasonable to expect PREDICT wildlife surveillance at 4 sites in Bangladesh (one of which an intensive macaque longitudinal site) to be adequately covered by a $89K viral testing budget? With that many sites and taxa planned and using the extremely low estimate of $32/sample for extraction and PCRs - this is half what it costs us at UC Davis) I'm getting a ballpark of $140K ($286K if using the UC Davis rate).

Likewise for India, the SPIPMS rate for testing is $37/specimen and states that it only covers extraction and 2 PCRs. That would only allow for testing of one PREDICT viral family as most of our viral testing requires at least 2 PCR reactions to complete. If using the UCD rate the cost jumps to over $300K for the planned work at all sites.

Nothing on Liberia at this time, I'm not an Ebola Host Project expert as the way sample testing is financed through CII and UCD throughs my methods out the window :-)

I'm sure I'll have questions on the other countries as well but we are prioritizing just the GHSA ones at this

time.

Cheers and enjoy the weekend!

David

On Fri, Aug 18, 2017 at 6:14 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi Liz and David,

Thanks for all your comments and the quick chat today. Attached please find our revised Year 4 budget based on your feedback and below bullets on what we modified:

- EHA HQ costs were reduced by $193,529 (including salary, fringe, and indirect) by reducing time from Billy and Jon as well as our Modelling and Analytic Team (Kevin, Noam, and Anna's). Peter asked me to mention that he does not think this is ideal and he hopes this will not be a red flag for USAID, but we have done this specifically to reduce our Global and Administrative costs. He also wanted to assure you that all staff who have been reduced will remain engaged with PREDICT at the same level

- In-country testing budgets for RoC and CIV were increased by $193,529 (amount of HQ reduction) (note that only salary from Billy and Jon previously allocated to Ebola Money was used in CIV)

- Bangladesh hospitals have been reduced to only two and the funds allocated to diagnostic costs in RoC

- Core funds being rolled over from Year 3, totaling $232,194 are obligated to cover our sample testing costs in Bangladesh, China, and Egypt. These assays will be completed in Q1 of Year 4 ($62,071 of Year 3 GVP funds will go towards planned salary & travel in Year 4)

- We project a rollover of $804,193 in EHP funds. In terms of Year 3 costs, $160,000 is earmarked for the 1,850 Liberia samples that have just arrived at Simon's lab (that's $50/sample plus 60% overhead), and the rest will go to cover Year 4 costs

- IRB approval has already been obtained for India and will definitely be secured in Bangladesh before the start of Year 4

- RoC and Ivory Coast IRBs will be amended to transfer from Metabiota to EHA before Year 4 begins.

- Our team is developing the entry tool for the Malaysia human surveillance data, and the updated survey will be sent to CKJ next week.

Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

--
Molly Turner
Federal Grants Coordinator

EcoHealth Alliance
460 West 34th Street – 17th floor
New York, NY 10001

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--
Molly Turner

Federal Grants Coordinator

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From:	David J Wolking <djwolking@ucdavis.edu>
To:	Molly Turner <turner@ecohealthalliance.org>
CC:	David J Wolking <djwolking@ucdavis.edu>;Liz Leasure <ealeasure@ucdavis.edu>;Dr. Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent:	8/29/2017 8:23:08 PM
Subject:	Re: Year 4 revised budget

Thanks Molly! And thanks to Jon and Simon for their input and expertise.

Cheers,

David

On Tue, Aug 29, 2017 at 1:06 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Sorry, that's $5/additional family.

On Tue, Aug 29, 2017 at 4:04 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

I just spoke with Jon and Simon, and we determined that this cost can reasonably be increased to $57/sample to account for testing the same sample for an additional four viral families (they tell me that fortunately the most expensive part of the process is the initial extraction and RT; additional family testing is about $5/additional PCR at CU). Jon is going to speak with the India team further as we think there's simply some misunderstanding on this point, as you suggest. Thank you for catching that.

I've made this change in the attached, with some corresponding reductions to the Thailand and Indonesia budgets, again all highlighted in blue.

On Tue, Aug 29, 2017 at 10:07 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
I see. Let me check in with Jon today.

On Mon, Aug 28, 2017 at 7:34 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thanks Molly, this is sounding good, I'll take a look with fresh eyes tomorrow. On the SG testing costs, it looks like the budget line item for testing is 2 PCR reactions. I'm not surprised if $37 covers extraction and 2 PCRs, just wondering if it is sufficient to cover costs for all five planned viral families (7 protocols in total and some of them nested PCR reactions which is a fancy way of saying lots of PCRs likely upwards of 10+). We might just want to check that all of that is factored in since our testing platform is so weird for most labs used to a specific pathogen costing exercise.

Cheers,

D

On Mon, Aug 28, 2017 at 2:08 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

As we're still ironing out details with LANADA, $50/sample was a rough estimate based on costs at Simon's lab and the amount of Ebola money we were able to reallocate from global staff salaries. You're right, it's not enough, so I've moved some things around in the Liberia budget so that we can increase to $150/sample while keeping the overall Ebola-funded amount consistent with the last revision.

For Bangladesh, that was my error; I've added back in the Columbia University portion of the Bangladesh budget in the attached, which is where the additional macaque testing takes place. As for the low cost of testing the 2400 samples to be done at icddr,b (the remaining 1740 macaque samples will be done at Columbia), Mindy tells me that Zia is able to get a reduced bulk rate on reagents, which is why the cost per sample is so low. (I was able to reduce some costs in China in order to fund this).

Finally, the cost of testing in India is consistent with what USAID reviewed and approved when they approved our proposed subaward to Sanjay Gandhi, and our lead lab technician there has consistently said this is the cost of testing at his lab in discussions with Jon and Ava. Unfortunately Jon is not in the office today so I couldn't inquire as to why these costs are relatively low, but I can try to find out from him tomorrow when he's back. Harjeet (the lead lab technician at SG) has also provided us with a breakdown of this cost which we are happy to share with you.

Note that I also further increased the RoC testing costs in the attached.

All changes are highlighted in blue.

Best,
Molly

On Mon, Aug 28, 2017 at 1:32 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thank you!

On Mon, Aug 28, 2017 at 10:16 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

Sorry for the delay, I'm just checking into a few things and will get back to you ASAP.

On Fri, Aug 25, 2017 at 5:35 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Hey Molly and team,

A few quick questions (I hope) on CIV, Bangladesh, and India budgets after finalizing the GHSA country briefs today.

For CIV it looks pretty good given plans, though I'm concerned that the $50/specimen at LANADA is unrealistic for a lab in Africa (IPCI is listed as $150/specimen for comparison; in TZ we go with a likely under budgeted rate of $120/specimen). Any idea how that rate was generated?

For Bangladesh and India, it looks like viral testing costs for both countries are extremely low for the planned number of sites with the exception of IEDCR which now seems on target and justifiable.

Could you reach out to Jon for an explanation on how it is reasonable to expect PREDICT wildlife surveillance at 4 sites in Bangladesh (one of which an intensive macaque longitudinal site) to be adequately covered by a $89K viral testing budget? With that many sites and taxa planned and using the extremely low estimate of $32/sample for extraction and PCRs - this is half what it costs us at UC Davis) I'm getting a ballpark of $140K ($286K if using the UC Davis rate).

Likewise for India, the SPIPMS rate for testing is $37/specimen and states that it only covers extraction and 2 PCRs. That would only allow for testing of one PREDICT viral family as most of our viral testing requires at

least 2 PCR reactions to complete. If using the UCD rate the cost jumps to over $300K for the planned work at all sites.

Nothing on Liberia at this time, I'm not an Ebola Host Project expert as the way sample testing is financed through CII and UCD throughs my methods out the window :-)

I'm sure I'll have questions on the other countries as well but we are prioritizing just the GHSA ones at this time.

Cheers and enjoy the weekend!

David

On Fri, Aug 18, 2017 at 6:14 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi Liz and David,

Thanks for all your comments and the quick chat today. Attached please find our revised Year 4 budget based on your feedback and below bullets on what we modified:

- EHA HQ costs were reduced by $193,529 (including salary, fringe, and indirect) by reducing time from Billy and Jon as well as our Modelling and Analytic Team (Kevin, Noam, and Anna's). Peter asked me to mention that he does not think this is ideal and he hopes this will not be a red flag for USAID, but we have done this specifically to reduce our Global and Administrative costs. He also wanted to assure you that all staff who have been reduced will remain engaged with PREDICT at the same level

- In-country testing budgets for RoC and CIV were increased by $193,529 (amount of HQ reduction) (note that only salary from Billy and Jon previously allocated to Ebola Money was used in CIV)

- Bangladesh hospitals have been reduced to only two and the funds allocated to diagnostic costs in RoC

- Core funds being rolled over from Year 3, totaling $232,194 are obligated to cover our sample testing costs in Bangladesh, China, and Egypt. These assays will be completed in Q1 of Year 4 ($62,071 of Year 3 GVP funds will go towards planned salary & travel in Year 4)

- We project a rollover of $804,193 in EHP funds. In terms of Year 3 costs, $160,000 is earmarked for the 1,850 Liberia samples that have just arrived at Simon's lab (that's $50/sample plus 60% overhead), and the rest will go to cover Year 4 costs

- IRB approval has already been obtained for India and will definitely be secured in Bangladesh before the start of Year 4

- RoC and Ivory Coast IRBs will be amended to transfer from Metabiota to EHA before Year 4 begins.

- Our team is developing the entry tool for the Malaysia human surveillance data, and the updated survey will be sent to CKJ next week.

Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

--
Molly Turner
Federal Grants Coordinator

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From: Elizabeth Leasure <ealeasure@ucdavis.edu>
To: Jonna Mazet <jkmazet@ucdavis.edu>
Cc: Predict inbox <predict@ucdavis.edu>
Subject: RE: EHA Y3/Y4 comparison by country
Sent: Wed, 30 Aug 2017 17:23:47 +0000

The EHA targets provided for Y4 during the ceiling increase process accounted for increases to in-country budgets for CDI, RoC, China, and Indonesia (estimated based on what MB had budgeted for these countries previously), but did not include anticipated but TBD increases to Global costs commensurate with the additional work/countries being taken on. We had determined that they should simply add what they thought they would need to their budgets rather than us trying to estimate what those costs should be on their behalf.

Metabiota's Y4 budget is $291K less than the Y4 targets we provided them for the ceiling increase. Their core budget is $449K less than the target we provided and they are $158K over the Ebola budget target we provided.

EHA's most recent Y4 budget is $806K over the core target we provided and $986K under the Ebola target provided during the ceiling (which was based on full-funding of EHP at about $1.5M in Y4).

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

From: [redacted] **On Behalf Of** Jonna Mazet
Sent: Monday, August 28, 2017 8:03 PM
To: Elizabeth Leasure
Cc: Predict inbox
Subject: Re: EHA Y3/Y4 comparison by country

One more clarification -- since EHA took on MB's role in China and Indonesia (as well as CdI & RoC), we would expect their budgets to go up commensurate with the MB decrease.
Making sure that MB went down commensurately and that those potential increases in scope were considered in the EHA targets. Liberia would also go up to match EHP funding coming in, but we need to deal with their rollover and cap there.
Sorry, I know some of this is obvious, but I want to make sure we are on the same page and providing the same messages,
J

On Mon, Aug 28, 2017 at 7:51 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:
Thanks for the rapid action,
Jonna

On Mon, Aug 28, 2017 at 11:31 AM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:
See attached. There were significant increases in the China (up 165%), Indonesia (up 113%), and Liberia (up 55%) budgets, as well as the Egypt (up 67%) and Jordan (up 63%) budgets. A small portion of these increases are due to moving costs previously attributed to Global to country budgets, but these amounts would be small relative to the overall size of the country budgets.

Now switching gears back to the Y4 Ebola budget….

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

From: Cara Chrisman <cchrisman@usaid.gov>
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
CC: Andrew Clements <aclements@usaid.gov>;David John Wolking <djwolking@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>;Shana Gillette <sgillette@usaid.gov>;Alisa Pereira <apereira@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Ashna Kibria <akibria@usaid.gov>
Sent: 9/7/2017 9:04:29 PM
Subject: Outstanding P-2 Items

Hi Liz,

As a follow up to your update for Andrew on the Lao NCLE, I wanted to check in on the other OAA-related items that we had previously discussed.

The management team on this end reached out to OAA to ensure that these would be followed up on and resolved, so I wanted to check in with you to see if any were still outstanding? With the obvious exception of #1, if there are any others which remain, as well as others to add (particularly which are not dependent on the ceiling increase), please let us know so that we can make sure we don't lose track of them.

Here's the old list:

1. Ceiling Increase
2. Kenya - Response on Suspension of Activities questions, as per June 8th request
3. VAT Items - 2-3 pending (China, Viet Nam, and Egypt)
4. Myanmar - Responses to questions regarding the provision, as per April 11th email.

Thanks
Cara

Cara J. Chrisman, PhD
Senior Infectious Diseases Technical Advisor
Emerging Threats Division
Office of Infectious Disease
Bureau for Global Health
U.S. Agency for International Development (AID)

Desk: (202) 712-1161
Cell: (202) 674-3231
E-mail: cchrisman@usaid.gov

On Thu, Sep 7, 2017 at 4:42 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

The NCLE subaward approval is currently wrapped up in the ceiling increase process. We were planning to obtain approval for the new NCLE subaward through the ceiling increase, so until the ceiling increase budget and narrative with the new NCLE subaward included is approved, we are unable to move forward with establishing a subaward with NCLE. Same story as with the new EHA subwards for leadership transition in CDI and RoC.

Elizabeth Leasure

One Health Institute

University of California, Davis

530-754-9034 (office)

530-304-1403 (cell)

From: Andrew Clements [mailto:aclements@usaid.gov]
Sent: Thursday, September 07, 2017 8:09 AM
To: David John Wolking; Elizabeth Leasure
Cc: Jonna Mazet; Cara Chrisman; Shana Gillette; Alisa Pereira
Subject: Fwd: EPT-2 Meeting in Lao PDR

Hi David and Liz,

What is the status of the Laos/NCLE award? Anything I can do to move it along?

Thanks!

Andrew

Andrew P. Clements, Ph.D.

Senior Scientific Advisor

Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health

U.S. Agency for International Development

Mobile phone: 1-571-345-4253

Email: aclements@usaid.gov

Begin forwarded message:

From: David McIver <dmciver@metabiota.com>
Date: September 7, 2017 at 4:38:11 PM GMT+2
To: Soubanh Silithammavong <sSilithammavong@metabiota.com>, "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
Cc: "Clements, Andrew(ANE/TS)" <AClements@usaid.gov>, "Corwin, Andrew Lee" <CorwinAL@state.gov>, Daniel Schar <dSchar@usaid.gov>, Anchalee Jatapai <ajatapai@usaid.gov>, PREDICTMGT <predictmgt@usaid.gov>
Subject: Re: EPT-2 Meeting in Lao PDR

Hello Sudarat,

Unfortunately, I don't think there is much we can do about this from our end. To my understanding, there are many of these agreements that USAID Washington is working on right now, for many different countries. I think we just need to wait until we get some sort of confirmation from the Washington office, which will come to us through UC Davis. Thank you very much for the offer.

Thanks,

Dave

David McIver, PhD

PREDICT Asia Regional Coordinator | Epidemiologist

Metabiota

e: dmciver@metabiota.com

c: +1 778-269-2965

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On Sep 7, 2017, 3:21 AM -0300, Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>, wrote:

Dear Dave and Soubanh,

Since you mentioned that you are "still waiting for final USAID approval for contract agreements with NCLE, you haven't been able to move forward with human sample testing yet".

Is there anything that we can help follow up with Andrew, P2 AOR, and PREDICT Management team in DC to speed up the process?

Best regards,

Sudarat Damrongwatanapokin, D.V.M., Ph.D.

Regional Animal Health Advisor
USAID Regional Development Mission Asia
Bangkok, 10330
E-mail: sdamrongwatanapokin@usaid.gov
Tel: +662-257-3243, Fax:+662 -2573099

On Thu, Sep 7, 2017 at 4:11 AM, David McIver <dmciver@metabiota.com> wrote:

Hi Andy,

In terms of data sharing and virology surveillance, we have worked on a separate document that outlines rules and regulations

surrounding sharing of data, samples, results, and the release of test results. In addition to the PREDICT-standardized data sharing agreements, our Lao PDR PREDICT team also went a step further to create a document that specifically states when, and under which circumstances, data can be shared or viewed, and by whom. This document has been signed by representatives from PREDICT, DLF, DCDC, and FAO. I'll be happy to share copies of all these agreements with you when I'm in Laos, if you like.

While we have already collected some human samples already, testing has not yet begun. Since we're still waiting for final USAID approval for contract agreements with NCLE, we've haven't been able to move forward with testing yet. Right now, we have about 180 human samples frozen in LN2 at NCLE. We're all very eager to get started on testing!

I'm looking forward to catching up with you in October, and I'll be happy to share our updates with you.

Thanks for your help,

Dave

—

David McIver, PhD

PREDICT Asia Regional Coordinator | Epidemiologist

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e: dmciver@metabiota.com

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On Sep 5, 2017, 10:49 PM -0300, Corwin, Andrew L <CorwinAL@state.gov>, wrote:

Thanks David and Sudarat for the clarification. While there is an MoU arrangement between the MoH and MoAF, I thought the focus of the agreement was on information sharing and a one Health approach to outbreak investigations. I have not heard before of an arrangement in which MoAF provides permission on behalf of the MoH in terms of virological surveillance with associated laboratories diagnostics. But there may be indeed just such an agreement.

Have you already begun collecting human specimens and testing at NCLE? I would suggest scheduling a meeting with Dr Reiko who has replaced Dr Dapeng at WHO LAOS, if you have not already communicated with her. I would also be happy to brief her regarding this activity. It should be noted that all the virological work up at NCLE is supported by WHO Laos visa vi laboratory expertise and oversight.

With regards to your Lao travel, I will be available to meet with you the first week of October (except the 6th), and possibly the early afternoon of the 29th. We are all very excited to learn how this Activity is progressing.

Please address your request for Mission Concurrence to Alex Huerta, the Lao Country Representative.

Best regards,

Andy

From: David McIver <dmciver@metabiota.com
Date: September 5, 2017 at 8:37:59 PM GMT+7
To: Damrongwatanapokin, Sudarat (RDMA/OPH) <sdamrongwatanapokin@usaid.gov>, Corwin, Andrew L <CorwinAL@state.gov
Cc: Anchalee Jatapai <ajatapai@usaid.gov>, Schar, Daniel (RDMA/OPH) <dschar@usaid.gov>, Karen Saylors <ksaylors@metabiota.com>, Clements, Andrew (GH/HIDN) <aclements@usaid.gov>, Kongchay, Vongsaiya (USAID) <KongchayV@state.gov>, Ricardo Echalar <rechalar@usaid.gov>, Bounheuang, Kounnavong <BounheuangK@state.gov>, , <predict@ucdavis.edu>, predict@ucdavis.edu <predict@ucdavis.edu>, Martz, Robin (USAID) <rmartz@usaid.gov>, Soubanh Silithammavong <sSilithammavong@metabiota.com>, Huerta, Alexandria I <AHuerta@state.gov
Subject: Re: EPT-2 Meeting in Lao PDR

Hi Andy and Sudarat,

Sudarat is correct, in that the MOU was signed between Metabiota and the DLF/MoAF with the intention that they would subcontract to NCLE as the coordinator of the human surveillance portion of the program. To the best of my understanding, no further MOUs are required and human surveillance in the Khong District Hospital is ready to begin as soon as we have final approval from USAID Washington.

We do plan to make a visit to Champasack while I am in Laos, but we are not certain yet of the days - it will likely be the last week of September. I will work on processing a USAID Mission Concurrence Request and send that along to Alex. And of course, we'll be more than happy to be at an EPT meeting and give everyone an update on the PREDICT program.

Thanks very much,
Dave

—
David McIver, PhD
PREDICT Asia Regional Coordinator | Epidemiologist
Metabiota

e: dmciver@metabiota.comdmciver@metabiota.com
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On Sep 5, 2017, 7:15 AM -0300, wrote:

USAID Mission Concurrence Request

From:	Elizabeth Leasure <ealeasure@ucdavis.edu>
To:	Cara Chrisman <cchrisman@usaid.gov>
CC:	Andrew Clements <aclements@usaid.gov>;David John Wolking <djwolking@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>;Shana Gillette <sgillette@usaid.gov>;Alisa Pereira <apereira@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Ashna Kibria <akibria@usaid.gov>
Sent:	9/7/2017 9:07:31 PM
Subject:	RE: Outstanding P-2 Items

Hi Cara. Thanks for following up. None of the items on your list have been resolved.

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

From: Cara Chrisman [mailto:cchrisman@usaid.gov]
Sent: Thursday, September 07, 2017 2:04 PM
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Cc: Andrew Clements; David John Wolking; Jonna Mazet; Shana Gillette; Alisa Pereira; predict@ucdavis.edu; Ashna Kibria
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Cara

Cara J. Chrisman, PhD
Senior Infectious Diseases Technical Advisor
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Andrew

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

Begin forwarded message:

From: David McIver <dmciver@metabiota.com>
Date: September 7, 2017 at 4:38:11 PM GMT+2
To: Soubanh Silithammavong <sSilithammavong@metabiota.com>, "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
Cc: "Clements, Andrew(ANE/TS)" <AClements@usaid.gov>, "Corwin, Andrew Lee" <CorwinAL@state.gov>, Daniel Schar <dSchar@usaid.gov>, Anchalee Jatapai <ajatapai@usaid.gov>, PREDICTMGT <predictmgt@usaid.gov>
Subject: Re: EPT-2 Meeting in Lao PDR

Hello Sudarat,

Unfortunately, I don't think there is much we can do about this from our end. To my understanding, there are many of these agreements that USAID Washington is working on right now, for many different countries. I think we just need to wait until we get some sort of confirmation from the Washington office, which will come to us through UC Davis. Thank you very much for the offer.

Thanks,
Dave

David McIver, PhD
PREDICT Asia Regional Coordinator | Epidemiologist
Metabiota

e: dmciver@metabiota.com
c: +1 778-269-2965

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On Sep 7, 2017, 3:21 AM -0300, Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>, wrote:

Dear Dave and Soubanh,

Since you mentioned that you are "still waiting for final USAID approval for contract agreements with NCLE, you haven't been able to move forward with human sample testing yet".

Is there anything that we can help follow up with Andrew, P2 AOR, and PREDICT Management team in DC to speed up the process?

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor
USAID Regional Development Mission Asia
Bangkok, 10330
E-mail: sdamrongwatanapokin@usaid.gov
Tel: +662-257-3243, Fax:+662 -2573099

On Thu, Sep 7, 2017 at 4:11 AM, David McIver <dmciver@metabiota.com> wrote:
Hi Andy,

In terms of data sharing and virology surveillance, we have worked on a separate document that outlines rules and regulations surrounding sharing of data, samples, results, and the release of test results. In addition to the PREDICT-standardized data sharing agreements, our Lao PDR PREDICT team also went a step further to create a document that specifically states when, and under which circumstances, data can be shared or viewed, and by whom. This document has been signed by representatives from PREDICT, DLF, DCDC, and FAO. I'll be happy to share copies of all these agreements with you when I'm in Laos, if you like.

While we have already collected some human samples already, testing has not yet begun. Since we're still waiting for final USAID approval for contract agreements with NCLE, we've haven't been able to move forward with testing yet. Right now, we have about 180 human samples frozen in LN2 at NCLE. We're all very eager to get started on testing!

I'm looking forward to catching up with you in October, and I'll be happy to share our updates with you.

Thanks for your help,

Dave

—
David McIver, PhD
PREDICT Asia Regional Coordinator | Epidemiologist
Metabiota

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On Sep 5, 2017, 10:49 PM -0300, Corwin, Andrew L <CorwinAL@state.gov>, wrote:

Thanks David and Sudarat for the clarification. While there is an MoU arrangement between the MoH and MoAF, I thought the focus of the agreement was on information sharing and a one Health approach to outbreak investigations. I have not heard before of an arrangement in which MoAF provides permission on behalf of the MoH in terms of virological surveillance with associated laboratories diagnostics. But there may be indeed just such an agreement.

Have you already begun collecting human specimens and testing at NCLE? I would suggest scheduling a meeting with Dr Reiko who has replaced Dr Dapeng at WHO LAOS, if you have not already communicated with her. I would also be happy to brief her regarding this activity. It should be noted that all the virological work up at NCLE is supported by WHO Laos visa vi laboratory expertise and oversight.

With regards to your Lao travel, I will be available to meet with you the first week of October (except the 6th), and possibly the early afternoon of the 29th. We are all very excited to learn how this Activity is progressing.

Please address your request for Mission Concurrence to Alex Huerta, the Lao Country Representative.

Best regards,

Andy

From: David McIver <dmciver@metabiota.com
Date: September 5, 2017 at 8:37:59 PM GMT+7
To: Damrongwatanapokin, Sudarat (RDMA/OPH) <sdamrongwatanapokin@usaid.gov>, Corwin, Andrew L <CorwinAL@state.gov
Cc: Anchalee Jatapai <ajatapai@usaid.gov>, Schar, Daniel (RDMA/OPH) <dschar@usaid.gov>, Karen Saylors <ksaylors@metabiota.com>, Clements, Andrew (GH/HIDN) <aclements@usaid.gov>, Kongchay, Vongsaiya (USAID) <KongchayV@state.gov>, Ricardo Echalar <rechalar@usaid.gov>, Bounheuang, Kounnavong <BounheuangK@state.gov>, , <predict@ucdavis.edu>, predict@ucdavis.edu <predict@ucdavis.edu>, Martz, Robin (USAID) <rmartz@usaid.gov>, Soubanh Silithammavong <sSilithammavong@metabiota.com>, Huerta, Alexandria I <AHuerta@state.gov
Subject: Re: EPT-2 Meeting in Lao PDR

Hi Andy and Sudarat,

Sudarat is correct, in that the MOU was signed between Metabiota and the DLF/MoAF with the intention that they would subcontract to NCLE as the coordinator of the human surveillance portion of the program. To the best of my understanding, no further MOUs are required and human surveillance in the Khong District Hospital is ready to begin as soon as we have final approval from USAID Washington.

We do plan to make a visit to Champasack while I am in Laos, but we are not certain yet of the days - it will likely be the last week of September. I will work on processing a USAID Mission Concurrence Request and send that along to Alex. And of course, we'll be more than happy to be at an EPT meeting and give everyone an update on the PREDICT program.

Thanks very much,
Dave

—
David McIver, PhD
PREDICT Asia Regional Coordinator | Epidemiologist
Metabiota

e: dmciver@metabiota.comdmciver@metabiota.com
c: +1 778-269-2965

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On Sep 5, 2017, 7:15 AM -0300, wrote:

USAID Mission Concurrence Request

From:	Elizabeth Leasure <ealeasure@ucdavis.edu>
To:	Molly Turner <turner@ecohealthalliance.org>
CC:	Ava Sullivan <sullivan@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Peter Daszak <daszak@ecohealthalliance.org>;Jonna Mazet <jkmazet@ucdavis.edu>;David John Wolking <djwolking@ucdavis.edu>;predict@ucdavis.edu <predict@ucdavis.edu>
Sent:	9/14/2017 3:47:54 PM
Subject:	EHA Y3/Y4 core budget comparison to facilitate budget revision

Hi Molly et al. As discussed yesterday, please find attached a spreadsheet that breaks down country by country where the country budgets increased from last year's core funding level to assist you with revising your Y4 core budget for submission to UCD by COB on September 22nd. Please let me know if you have any questions.

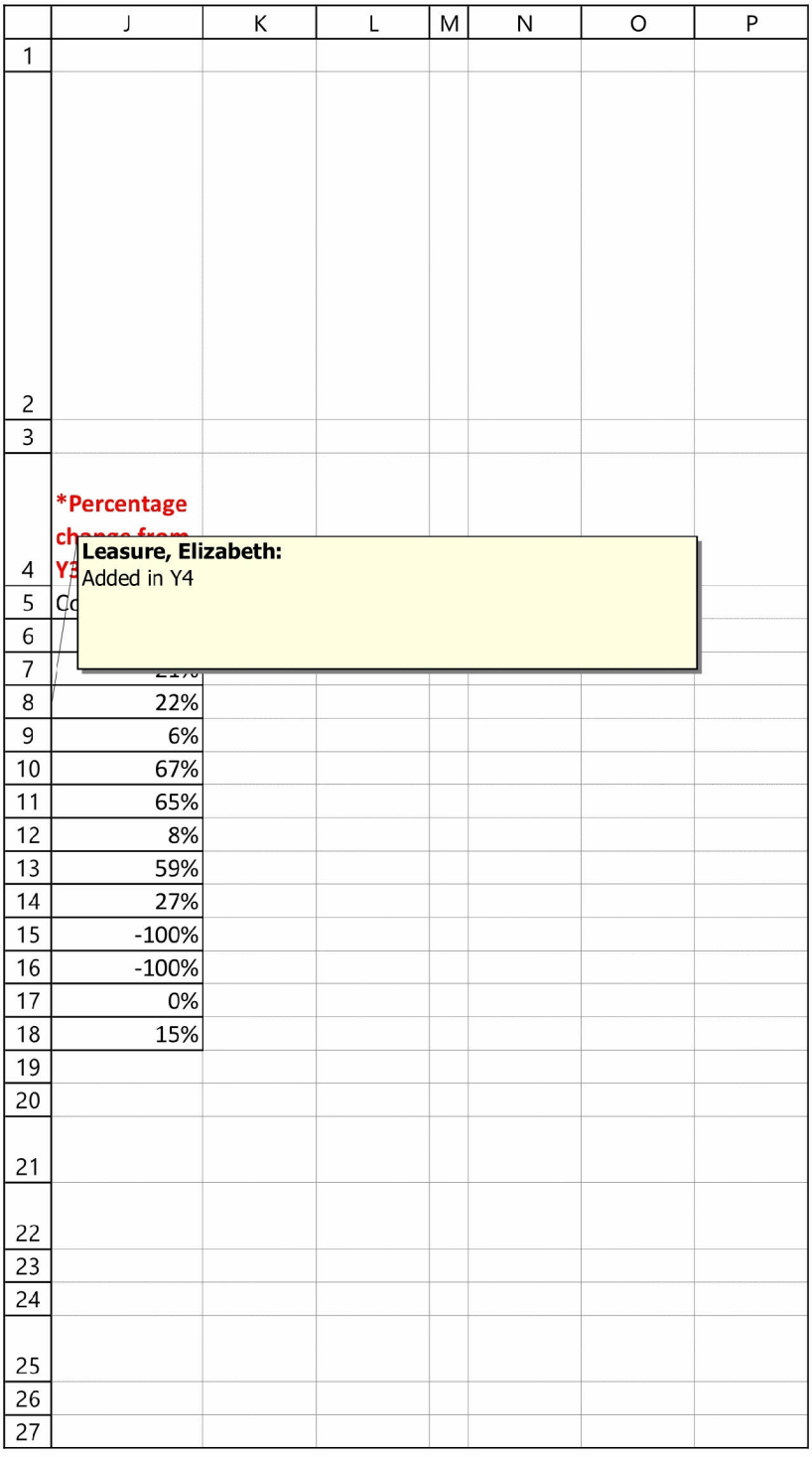
It was great to see you all!

Thanks,
Liz

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

	A	B	C	D	E	F	G	H	I
1									
2	**EHA Core budget country by country comparison** (excludes GVP & Ebola/GHSA-funded countries)								
3									
4								***Negative values indicate increase from previous year***	
5		**Y3 Core**		**Y4 Core**				Core difference	
6	Global	$ 2,494,565		$ 2,157,540				337,025	
7	Admin Mgt	$ 546,841		$ 432,428				114,413	
8	Bangladesh	$ 801,063		$ 974,058				(172,995)	
9	China	$ 367,723		$ 791,455		382,121		(41,611)	
10	Egypt	$ 291,197		$ 486,676				(195,479)	
11	India	$ 580,642		$ 960,632				(379,990)	
12	Indonesia*	$ 473,434		$ 972,078		424,866		(73,778)	
13	Jordan**	$ 297,783		$ 472,649				(174,866)	
14	Malaysia	$ 622,797		$ 792,972				(170,175)	
15	Myanmar	$ 33,252						33,252	
16	Nepal	$ 13,770						13,770	
17	RoC			$ 445,975		446,898		923	
18	Thailand	$ 505,233		$ 579,921				(74,688)	
19	**TOTAL**	**$ 7,028,300**		**$ 9,066,384**		**1,253,885**		**(784,199)**	
20									
21		**Does not include*							
22		*$200K for IDEEAL*							
23		*activity*							
24									
25		***Does not include*							
26		*$200K from*							
27		*Mission*							

Leasure, Elizabeth:
Leasure, Elizabeth:
Removed in Y4


J
K
L
M
N
O
P
*Percentage
Leasure, Elizabeth:
Added in Y4
22%
6%
67%
65%
8%
59%
27%
-100%
-100%
0%
15%

From: Cara Chrisman <cchrisman@usaid.gov>
To: Eddy Rubin [REDACTED]>
CC: Jonna Mazet <jkmazet@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Dennis Carroll <dcarroll@usaid.gov>
Sent: 9/21/2017 8:41:15 PM
Subject: Re: Global Virome Project Open Phil

That's really too bad. Thanks for the update, though!

Cara J. Chrisman, PhD
Senior Infectious Diseases Technical Advisor
Emerging Threats Division
Office of Infectious Disease
Bureau for Global Health
U.S. Agency for International Development (AID)

Desk: (202) 712-1161
Cell: (202) 674-3231
E-mail: cchrisman@usaid.gov

On Thu, Sep 21, 2017 at 2:48 PM, Eddy Rubin <[REDACTED]> wrote:
:~(
---------- Forwarded message ----------
From: **Christopher Somerville** <crsomerville@berkeley.edu>
Date: Thu, Sep 21, 2017 at 11:19 AM
Subject: Re: Global Virome Project
To: Edward Rubin <emrubin@lbl.gov>

Hello Eddy,
I discussed the GVP with my colleagues several times and have concluded there is not a quorum of interest in the project in Open Phil. Thanks for the information about the project and good luck with it.
Best wishes Chris

On Tue, Aug 29, 2017 at 1:16 PM, Edward Rubin <emrubin@lbl.gov> wrote:
Hi Chris,
Any thoughts about whether the Global Virome Project and supporting the project's "Hub" aligns with the interests of Open Philanthropy?
Regards
Eddy
---------- Forwarded message ----------
From: **Edward Rubin** <emrubin@lbl.gov>
Date: Thu, Aug 17, 2017 at 9:51 PM
Subject: Re: Global Virome Project
To: Christopher Somerville <crsomerville@berkeley.edu>

Hi Chris,
Attached is a pitch deck and a white paper on the project that I hope will give you a high level perspective on the goals, design and costs.
Dennis Carroll Director of US AID's Pandemic Threat Program and who has really been the champion of the Global Virome Project (GVP) will be in the Bay Area September 14th and 15th. If GVP at all aligns with the interests of Open Philanthropy we might arrange a visit then.
Best regards,
Eddy

On Fri, Aug 11, 2017 at 4:07 PM, Christopher Somerville <crsomerville@berkeley.edu> wrote:
Hi Eddy,

I am the right contact person for something like this. We have an interest in antiviral drugs so this overlaps a bit with that. I sent your note on to the relevant people in this org as a prelude to a discussion about it. If you have any documents that describe the goals and project design and costs etc please send them and we will give it some thought.

I took an unpaid leave last year to work at Open Philanthropy and retired from Berkeley in June so the "ships have been burned". The work here is interesting in many ways and overall it is an interesting change from the University. I have no administrative obligations and spend my days reading and writing science. And i commute by boat from Tiburon so that is nice also. I assume that you have also found the change refreshing.

Best wishes, Chris

On Fri, Aug 11, 2017 at 3:33 PM, Edward Rubin <emrubin@lbl.gov> wrote:

Dear Chris,

Hope that this finds you well.

I have been working with the US Agency for International Development (USAID) on helping to launch a large international project called the Global Virome Project (GVP). This project is focused on capturing the metadata and sequences of a significant fraction of the viruses that exist in wildlife that have the potential to jump to humans. A bit similar but a lot more complicated than the Human Genome Project involving large-scale sample collection and screening for viruses in wildlife in the world's "hot zone" regions. The project's central aim is to convert virology into a data rich field so that we can begin to proactively plan for viral outbreaks and pandemics. It has so far been championed by the USAID Pandemic Threat Program, who have already invested ~180 million in a successful proof of principle pilot project. For the projects next stage, it needs to become a global project completely separate from the US Government with a coordinating non-governmental center or "hub" linked to national virome projects. The hub will contain components of the project that need to be centralized such as organizational components/ governing structures/ advisory boards/ data platform…

We are now looking to foundations to support the hub and Open Philanthropy is one that is on our list. Please let me know if you think this falls at all in Open Philanthropy's domain and if so who within the organization we should talk with. The project appears to be moving faster than expected, with a China component already funded and poised to generate data, with others poised to follow suite.

The post JGI life as Chief Scientific Officer at the SF start up Metabiota is quite interesting. The company's focus is on data modeling and analytics for infectious disease risk. Learning lots of new science and aspects of how the tech/ for profit world operates.

Hope that your post EBI experience has been a good one and send my regards to Shauna.

Best,

Eddy

From: Andrew Clements <aclements@usaid.gov>
To: Toder, Miles F (Beijing) <ToderMF@state.gov>
CC: Schar, Daniel (RDMA/OPH) <dschar@usaid.gov>;Katherine Leasure <kaleasure@ucdavis.edu>;PREDICTMGT <predictmgt@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>;Damrongwatanapokin, Sudarat (RDMA/OPH) <sdamrongwatanapokin@usaid.gov>;Yang, Hua (Beijing) <YangHX@state.gov>
Sent: 10/18/2017 11:24:20 AM
Subject: Re: ITA for E. Rubin - Beijing October 24

Thanks to all.

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Oct 18, 2017, at 4:15 AM, Toder, Miles F (Beijing) <ToderMF@state.gov> wrote:

Thanks. Looking forward to Eddy's visit to Beijing.

Sent from my BlackBerry 10 smartphone.
From: Daniel Schar
Sent: Wednesday, October 18, 2017 08:51
To: Clements, Andrew (GH/HIDN)
Cc: Katherine Leasure; PREDICTMGT; predict@ucdavis.edu; Jonna Mazet; Damrongwatanapokin, Sudarat (RDMA/OPH); Toder, Miles F (Beijing)
Subject: Re: ITA for E. Rubin - Beijing October 24

RDMA concurs. + Miles

On Oct 18, 2017, at 1:08 AM, Andrew Clements <aclements@usaid.gov<mailto:aclements@usaid.gov>> wrote:

Approved subject to mission concurrence.

Dan/Sudarat: note the short turn-around time.

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov<mailto:aclements@usaid.gov>

On Oct 17, 2017, at 7:39 PM, Katherine Leasure <kaleasure@ucdavis.edu<mailto:kaleasure@ucdavis.edu>> wrote:

Hi Andrew. My apologies for the late submission of this request. Eddy Rubin is travelling to China to speak at the International Conference on Genomics. Through Dennis Carroll, he has been invited by the embassy in Beijing to stop there for a night and meet with various government partners to discuss GVP. He would only need PREDICT to fund one night in a hotel and transport to and from the airport; Eddy's flight is being covered by the conference.

1. Rubin (China): $815 *covered by conference/$377 (Beijing) max daily per diem

Travel Request –

1. Metabiota would like to request travel approval for Dr. Eddy Rubin, Chief Scientific Officer, to travel from San Francisco, California, USA to Beijing, China from Oct. 24-25, 2017 to visit the US Embassy to discuss the Global Virome Project. Dr. Rubin will then travel to Shenzhen, China to attend the 12th International Conference on Genomics.

Trip purpose: Dr. Rubin will visit the US Embassy to discuss the Global Virome Project, meeting with State, HHS, CDC, NSF, NIH, FDA, USDA, FCS, as well as USAID. The meeting will also be attended by various representatives from the United Kingdom, Switzerland, Norway, Germany and Australia.

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu<mailto:kaleasure@ucdavis.edu>

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To post to this group, send email to predictmgt@usaid.gov<mailto:predictmgt@usaid.gov>.
To view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/016801d3476e%24b60916e0%24221b44a0%24%40ucdavis.edu.

From:	Andrew Clements <aclements@usaid.gov>
To:	David J Wolking <djwolking@ucdavis.edu>
CC:	Alisa Pereira Emerging Threats Division <apereira@usaid.gov>;Shana Gillette <sgillette@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Karen L Wood <klwood@ucdavis.edu>;Prof. Jonna Mazet <jkmazet@ucdavis.edu>
Sent:	10/19/2017 8:22:30 AM
Subject:	Re: PREDICT Change in Key Personnel - Financial Operations Manager

Thanks, David. I will share with Ryland.

Andrew

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Oct 19, 2017, at 1:18 AM, David J Wolking <djwolking@ucdavis.edu> wrote:

Hi Andrew and Alisa,

Please find attached documents for a change in project key personnel (Karen Wood as our new Financial Operations Manager replacing Elizabeth Leasure).

Please let us know if you need any additional information or have any questions.

Best,

David

From: Peter Daszak <daszak@ecohealthalliance.org>
To: Eddy Rubin <[redacted], [redacted]
Cc: Nathan Wolfe <nwolfe@metabiota.com>, [redacted], Cara Chrisman <cchrisman@usaid.gov>, Brooke Watson <watson@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>, "Dennis Carroll" <dcarroll@usaid.gov>, Hongying Li <li@ecohealthalliance.org>
Subject: RE: Summary of October 24th /25th GVP meetings in Beijing.
Sent: Tue, 31 Oct 2017 01:26:30 +0000

Great – also spoke with Hongying and glad the meeting went well and that they're still looking like it'll move forwards with Trump's visit.

Look forward to further discussion…

Cheers,

Peter

Peter Daszak
President

EcoHealth Alliance
460 West 34th Street – 17th Floor
New York, NY 10001

Tel. +1 212-380-4473
www.ecohealthalliance.org

EcoHealth Alliance leads cutting-edge research into the critical connections between human and wildlife health and delicate ecosystems. With this science we develop solutions that prevent pandemics and promote conservation.

From: Eddy Rubin [mailto: [redacted]
Sent: Monday, October 30, 2017 4:27 PM
To: [redacted]
Cc: Nathan Wolfe; [redacted]; Cara Chrisman; Peter Daszak; Brooke Watson; Jonna Mazet; Dennis Carroll; Hongying Li
Subject: Summary of October 24th /25th GVP meetings in Beijing.

Hi GVPers
Below is a summary, that Hongying and I put together, of the October 24th /25th GVP meetings in Beijing.
The skinny is: a) State Dept and Embassy science staff are well briefed on and very enthusiastic about GVP and its potential for something positive that China and US could do together. b) General view is that we do not want China to take a leadership role in isolation in fear of their reluctance to share data, c) They are looking for something to discuss when Trump meets with Xi later next months and as such this may be a very opportune time to elevate GVP's profile connected to GHSA, c) Need to get interagency engagement in GVP in addition to USAID (NIH, USDA, Commerce…), d) US China Ambassador, Terry Branstad has Trumps ear and he knows about GVP. e) The present US administration very receptive to anything that smells of commerce (support of GVP by tech companies' good) f) other countries, Australia, Norway… view GVP as a possible way to both contribute to GHSA as well as interface with China.

Eddy

October 24, 2017

Arrival Evening Meeting at Beijing Marriott NW

Attendees:

Nancy Sung, Director of the US National Science Foundation, Head China Office
Miles Toder, Development Counselor, US Embassy
Eddy Rubin, Metabiota
Hongying Li, EcoHealth Alliance

Discussions:

- Very enthusiastic about GVP and its potential for something positive that China and US could do together.
- Do not want China to take a leadership role in isolation as fear of their reluctance to share data
- Looking for something to discuss when Trump meets with Xi later next months. How the world's 2 largest economies could contribute to GHSA
- Need to get interagency engagement in GVP in addition to USAID (NIH, USDA, Commerce…)
- The present US administration very receptive to anything that smells of commerce. Support of GVP by tech companies' good
- The UC China Ambassador has Trumps ear.
- The Belt and Road Initiative has expanded to include GHSA issues
- Need to add to GVP pitch examples: Where PREDICT surveillance-detection-response info lead to changes in public health approaches. Best examples that we can find of specific insights connected to China (We may need to bend things but we do have examples)

US Embassy, Beijing

October 25, 2017

A) Meeting with the staff from other agencies with interest in GHSA and GVP

Attendees:

Russell Harwood, Head of Development Cooperation, Australian Embassy Beijing
Mads Friborg, Health Counselor, Royal Danish Embassy
Jan Grythe, Development Counselor, Royal Norwegian Embassy
Adrienne Fuentes, Health Attaché HHS, US Embassy
Miles Toder, USAID Development Counselor, US Embassy
Nancy Sung, Director of the US National Science Foundation China Office
Sarah Ong, HHS US Embassy
FDA, US Embassy
Eddy Rubin, Metabiota
Hongying Li, EcoHealth Alliance

Discussions:

The US as well as others (Norway, Denmark Australia) should get involved in the GVP because

- It's an opportunity for engagement with China
- There is a concern about data sharing and access if only China takes the lead
- It could have economic/commercial impacts for the US companies in China
- Science is a good way to collaborate with China

Opportunities:
- Australian Government call for research under the Indo-Pacific Center for Health Security
  Australia's new investment in health security
- **25-27 October 2017 Kampala, Uganda**: 4th High Level GHSA Ministerial Meeting
  People are trying to do something difference, wait to see the plan for the next 5 years' GHSA
- **8 November 2017, Beijing/APEC**: Meeting of Presidents Xi and Trump
  US Embassy try to get "pandemic disease" related to GHSA into their conversation agenda, currently working with the China side
- **21 November 2017 Beijing:** CEPI (Coalition for Epidemic Preparedness Innovations)/Norwegian representatives visiting China for Global Health & Health dialogue
  Agenda TBD, but there is a possibility to mention GVP
- **November 2017, Beijing**: Africa CDC Union meeting with the National Health and Family Health Commission, following the China-US Social and Culture Dialogue on September 28, 2017
  Time and agenda TBD, but there will be a meeting with the National Health and Family Health Commission and/or China CDC (HYL will get the slides translated into Chinese)

Questions:
- Is GVP a scientific project, or incorporating local development?
- What will be the public health impact of GVP? (e.g. public health measurements)
- How GVP will fit into the GHSA?
- How the China National Virome Project fit into the Global Virome Project?
- Ownership of the GVP? (given the multiple stakeholders and partners)
- Where GVP take money from if supported by the US government?

B) Meeting with the Acting Deputy Chief of Mission Jonathan Fritz **(**Acting Deputy Chief of Staff) Leon Skarshinski Commercial Attaché Export Trade Dept of Commerce
Eddy Rubin, Miles Toder,
- The senior leadership at the embassy really understand and are enthusiastic about GVP and its potential for something positive China and US could do together.
- The UC China Ambassador Terry Branstad understands GVP and has Trumps ear.
- Looking for something to discuss when Trump meets with Xi later next months. How the world's 2 largest economies could contribute to GHSA

C) Meeting with Members of Embassy Health Working Group. (An internal embassy group that meets regularly to discuss health related topics. They had heard GVP presented previously
Discussions:

- A discussion of scientific concerns about GVP

From: Andrew Clements <aclements@usaid.gov>
Sent: Tue, 31 Oct 2017 18:33:50 +0100
Subject: Re: PREDICT International Travel Requests
To: Katherine Leasure <kaleasure@ucdavis.edu>
Cc: PREDICTMGT <predictmgt@usaid.gov>, Predict inbox <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>

Oops! Sorry about that oversight.
Karesh travel approved.

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Oct 31, 2017, at 6:12 PM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

> Thanks, Andrew! Does Billy's ITA also require mission concurrence (for travel to Sweden and France)?
>
> ---
>
> **From:** Andrew Clements [mailto:aclements@usaid.gov]
> **Sent:** Tuesday, October 31, 2017 1:35 AM
> **To:** Katherine Leasure
> **Cc:** PREDICTMGT; Predict inbox; Jonna Mazet
> **Subject:** Re: PREDICT International Travel Requests
>
> O'Rourke/O'Rourke travel approved
>
> All other travel approved subject to mission concurrence.
>
> *Andrew P. Clements, Ph.D.*
> *Senior Scientific Advisor*
> *Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health*
> *U.S. Agency for International Development*
> *Mobile phone: 1-571-345-4253*
> *Email: aclements@usaid.gov*
> On Oct 31, 2017, at 3:26 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:
>
> > *Please find below international travel requests for your review and approval. Please let me know if you have any questions. Thanks!*
> >
> > 1. Montecino (Ghana): $2500 airfare/$331 (Accra) max daily per diem
> > 2. Karesh (Sweden, France): $7500 airfare **business class required due to* REDACTED /$376 (Stockholm), $608 (Paris) max daily per diems
> > 3. O'Rourke, O'Rourke (USA): $579 airfare each/$296 (San Francisco), $181 (Davis) max daily per diems
> > 4. Francisco, Hagan, Sullivan, Epstein (India): $1550 airfare each/$400 (New Delhi), $291 (Lucknow) max daily per diems
> > 5. Gutierrez-Jimenez (India): $2600 airfare/$400 (New Delhi), $291 (Lucknow) max daily per diems
> >
> > Travel Requests –
> >
> > 1. UC Davis would like to request travel approval for Dr. Diego Montecino to travel from Sacramento, CA, USA to Accra, Ghana from November 25 to December 2, 2017 to continue to train the in-country team and assess quality of the ongoing bat census and guano collection, as well as bring supplies from the United States and organize for use over the next 4 months.
> >
> > **Trip purpose**: The trip will facilitate the year-round monthly guano sampling at the urban *Eidolon*

helvum colony in Accra to assess longitudinal shedding of viruses in this highly-trafficked urban environment. Supplies will be left ready for its use for the in-country team over the remaining 4 months. Moreover, Dr. Montecino will join and trouble-shoot the activities of November: guano collection with the team for 3 nights and the monthly census of the colony. About 200 specimens will be collected during the trip, while supplies transported and prepared will allow collection of 600 more between December 2017 and February 2018.

2. EcoHealth Alliance would like to request travel approval for Dr. William Karesh to travel from New York, New York, USA to Stockholm, Sweden from December 9-11, 2017 to speak at the ECDC Expert Consultation on One Health Preparedness in Europe. From Stockholm, Sweden, he will travel to Paris, France from December 11-16, 2017 to speak at the World Organisation for Animal Health's (OIE) Working Group on Wildlife Meeting.

Trip purpose: Sweden – Dr. Karesh is to participate in the ECDC Expert Consultation on One Health Preparedness in Europe. Dr. Karesh will present in the first plenary session titled "Towards One Health preparedness for emerging infectious diseases: Insights from the PREDICT project." As EPT Liaison, it is important for Dr. Karesh to continue to promote and optimize collaborations of the PREDICT-2 objectives. France – Following that meeting, Dr. Karesh will participate in the World Organisation for Animal Health's (OIE) Working Group on Wildlife Meeting, for which he serves as Chairman. The OIE Working Group on Wildlife advises the OIE on all health problems relating to wild animals, including emerging disease events and reporting guidelines. Dr. Karesh will have the opportunity to meet with OIE staff to discuss these and other priority topics. * *As an invited speaker at both events, the ECDC and OIE will provide funds for Dr. Karesh's economy fare and per diem expenses for these meetings.*

3. Metabiota would like to request travel approval for Tammie O'Rourke and Daniel O'Rourke to travel from Nanaimo, British Columbia, Canada to San Francisco, California, USA on December 5, 2017 to meet with PREDICT Senior Management. From San Francisco, California, USA they will travel to Davis, California, USA from December 6-8, 2017 to meet with the UCD global team to discuss USAID reporting and data extracts, and prepare for the Annual General Meeting in Brussels in January 2018.

Trip purpose: In San Francisco, meet with PREDICT Senior Management to discuss PREDICT Information Management concerns, progress and issues. In Davis, meet with the UCD global team to discuss USAID reporting, data extracts and prepare for the Annual General Meeting in Brussels in January 2018.

4. Ecohealth Alliance would like to request travel approval for Dr. Leilani Francisco, Emily Hagan, Ava Sullivan, and Dr. Jon Epstein to travel from New York, NY, USA to New Delhi and Lucknow, India from December 2-9, 2017 to conduct human surveillance site visits and additional training with the local PREDICT partners.

Trip Purpose: In their roles as Global Director of Behavioral Risk Surveillance for PREDICT-2, Behavioral Research Coordinator, PREDICT-2 EcoHealth Alliance Country Liaison to India, and Scientific Lead, respectively, Dr. Francisco, Ms. Hagan, Ms. Sullivan, and Dr. Epstein will be meeting with PREDICT implementing partners in India to lead in-depth planning sessions on project implementation, human sampling coordination, and behavioral research. During this trip, Dr. Francisco, Ms. Hagan, and Ms. Sullivan will provide support and further training in topics surrounding human sampling and behavioral risk to ensure the successful continuation of the human-focused components of the program. Dr. Epstein will support the trip in his capacity as Scientific Lead, providing technical assistance for laboratory work and protocols.

5. EcoHealth Alliance would like to request travel approval for Dr. Leticia Gutiérrez Jiménez to travel from New York, NY, USA to New Delhi and Lucknow, India from December 1-23, 2017 to conduct field site exploration, training and field sampling, and meet with the PREDICT-2 India team. **Dr. Gutierrez-Jimenez will stay 1 night in New Delhi on both legs of her trip as part of her connecting flights.*

Trip purpose: In Delhi, Dr. Gutiérrez-Jiménez will meet with PREDICT-2 India's Country Coordinator, Rajesh Bhatia, and in Lucknow will meet with implementing partners at Sanjay Gandhi Postgraduate Institute of Medical Sciences to coordinate surveillance activities. In Maharajganj, Uttar Pradesh, Dr. Gutiérrez-Jiménez will conduct disease ecology and wildlife surveillance training. She and PREDICT-2 India Field Coordinator, Debapriyo Chakraborty, will also carry out bat and rodent sampling.

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu

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From: Cassandra Louis Duthil <clouisduthil@usaid.gov>
Sent: Mon, 20 Nov 2017 12:47:22 -0500
Subject: Re: PREDICT International Travel Request - B. Ssebide to Tanzania
To: Katherine Leasure <kaleasure@ucdavis.edu>
Cc: Andrew Clements <aclements@usaid.gov>, PREDICTMGT <predictmgt@usaid.gov>, Predict inbox <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>

Hello Katie,

Apologies, for the oversight. I was not in the office on Friday. I will send out concurrence shortly.

Andrew, please approve the remaining travel requests.

Best,

Cassandra Louis Duthil
Program Assistant
Emerging Threats Division
U.S. Agency for International Development (USAID)
Telephone: 202-712-5583 Cell: 407-731-3155 | **clouisduthil@usaid.gov**

On Mon, Nov 20, 2017 at 12:43 PM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew,

I haven't seen a request for concurrence to the Tanzania mission, so not sure if Cassandra is out of the office. I've sent her a couple of follow-up emails regarding the status of this request, but have not heard back. As Benard's planned travel date is fast approaching, it's important that we receive mission concurrence ASAP.

I have also not seen concurrence requests for the Jennie Lane (Ethiopia) and Ohnmar Aung (Thailand) travel approved by you on November 10. Dr. Aung's travel is less time sensitive (for PMAC in late January), but Dr. Lane's travel is also scheduled for early December.

If Cassandra is currently unavailable, please let me know if there is an alternate contact I should coordinate with on requests for concurrence.

Thank you,

Katie

From: Andrew Clements [mailto:aclements@usaid.gov]
Sent: Thursday, November 09, 2017 2:17 AM
To: Katherine Leasure
Cc: PREDICTMGT; Predict inbox; Jonna Mazet
Subject: Re: PREDICT International Travel Request - B. Ssebide to Tanzania

Approved subject to Mission concurrence .

Andrew P. Clements, Ph.D.

Senior Scientific Advisor

Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health

U.S. Agency for International Development

Mobile phone: 1-571-345-4253

Email: aclements@usaid.gov

On Nov 9, 2017, at 1:57 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

> *Please find below an international travel request for your review and approval. Please let me know if you have any questions. Thanks!*
>
> 1. Ssebide (Tanzania): $500 airfare/$240 (Arusha) max daily per diem
>
> Travel Request –
>
> 1. UC Davis would like to request travel approval for Dr. Benard Ssebide to travel from Entebbe, Uganda to Arusha, Tanzania from December 5-9, 2017 to participate in the Wildlife Disease Association (Africa – Middle East Section) Symposium.
>
> **Trip purpose**: The Wildlife Disease Association (WDA) Africa and Middle East Section (AME) has organized a WDA-AME Wildlife Disease Symposium as part of the 11th Tanzania Wildlife Research Institute (TAWIRI) Scientific Conference that will be held at the Arusha International Conference Centre in Arusha, Tanzania from December 6-8. The special WDA-AME Wildlife Symposium will be under the sub-theme: "Wildlife Diseases and Ecosystem Health", and the WDA-AME Wildlife Disease Symposium is entitled: "The role of Wildlife Health Professionals and the increasing trend of emerging and re-emerging diseases at the wildlife-livestock-human interface." The objectives of the symposium include mobilizing wildlife health professionals to proactively engage in investigation and outbreak responses of infectious diseases of wildlife origin; equipping wildlife health professionals with current knowledge and status of infectious diseases; and updating wildlife health professionals with advances in one health approaches to disease investigation and outbreak responses. The objectives of this symposium will be important in enhancing Dr. Ssebide's knowledge and capacity for wildlife diseases surveillance under the PREDICT-2 project.
>
> Katherine Leasure
>
> HR/Payroll/Financial Assistant
>
> One Health Institute
>
> University of California, Davis

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To view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/017a01d36227%240baa40b0%2422fec210%24%40ucdavis.edu.

From:	Andrew Clements <aclements@usaid.gov>
To:	djwolking@ucdavis.edu <djwolking@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>
CC:	predictmgt@usaid.gov <predictmgt@usaid.gov>
Sent:	1/23/2018 7:03:13 PM
Subject:	PREDICT activities related to bushmeat consumption in Central Africa

Other than ROC and DRC, are there other country work plans that specifically include activities related to bushmeat?

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

From:	Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To:	Jonna Mazet <jkmazet@ucdavis.edu>
CC:	'Predict inbox' <predict@ucdavis.edu>;David John Wolking <djwolking@ucdavis.edu>
Sent:	2/14/2018 2:50:39 AM
Subject:	For JM review: Q1Y4 USAID Expenditure by Country/Category report (due 2/14/18)

Hi Jonna. The Q1Y4 Expenditure by Country/Category report for Andrew is attached for your review/approval. The Q4Y3 report is also attached for comparison purposes. Unfortunately, we're down $1.76M overall from the previous quarter, with $1.09M of this amount being core and $670K being Ebola. I expect the delay in new subaward/subcontract approvals through the ceiling increase and the country transitions are the main cause of this drop in expenditures. The countries that dropped $100K or more are listed below for your reference and potential follow up. Let me know if you have any questions. Thanks!

- China and Indonesia are down significantly ($166K & $153K, respectively) due to Metabiota pulling out of these countries.

- Liberia, Jordan, and Malaysia are down ($171K, $148K, & $112K, respectively). Their services (subawards/subcontracts) billings were down $230K in Liberia, $138K in Jordan, and $98K in Malaysia, while the rest of their expenses were consistent or went up a bit. The cause is likely either irregular billings from their consultants and in-country partners (an ongoing issue), cash-flow limitations due to late invoice payments, or both.

- DRC decreased $100K primarily due to a drop in Metabiota's billings ($70K) from the previous quarter. We also revised how we distributed global costs to reduce the allocation to DRC.

- Guinea is down $134K. The Guinea field/lab supply and travel costs were down $42K overall from last quarter, as we were pushing hard to spend at the end of the year to get our numbers up. The VHF subaward also took some time to get online. The wire transfer was probably delayed due to the staffing transition, and there is usually a delay in getting financial reporting going after the first wire transfer is received.

- Senegal is down $134K. One-time equipment purchases ($42K total), lots of travel before Corina went on maternity leave, and large supply purchases resulted in the Q4Y3 being quite high at $358K. $224K isn't too bad, though there is room for improvement. Delays in wire transfer and/or subaward amendments due to the staffing transition may have played a role.

- Tanzania is down $156K. SUA had a big billing in September ($90K), then their expenses dropped back down to $10-15K. Domestic travel, supply, and personnel costs dropped markedly from the previous quarter, as well. $280K is still respectable.

- Vietnam is down $200K, most likely due to delays in sub approvals through the ceiling increase and the delay in obligating Y4 funds.

Elizabeth Leasure
Financial Operations Manager
One Health Institute
530-304-1403 (cell)
530-754-9034 (office)
Skype: ealeasure

PREDICT-2 Expenses Quarter 4 Year 3 (07/01/17-09/30/17) - Combined (Core + Ebola)

Cost Category	US Central	Bangladesh	Cambodia	Cameroon	China	Cote d'Ivoire	DRC	Egypt	Ethiopia
Salaries	96,968	45,525	69,776	89,127	45,524	58,974	118,377	22,762	79,639
Fringe	42,896	22,081	24,578	33,756	22,081	22,540	42,194	11,040	28,044
Equipment	0	0	0	0	0	0	0	0	21,000
Domestic Travel	55,087	0	19,092	8,309	0	0	8,840	0	16,830
Foreign Travel	5,186	9,348	6,837	16,782	18,658	11,576	7,447	1,490	3,933
Services	0	198,520	2,244	34,450	132,941	30,900	50,059	71,230	5,852
Supplies	55,455	4,013	6,341	9,664	5	0	6,354	0	1,055
Other	14,308	5,996	115,946	44,951	1,996	1,271	26,142	749	20,728
Indirects	124,599	41,743	40,107	97,249	35,688	45,411	93,899	13,926	64,264
Total Costs	**$394,498**	**$327,226**	**$284,921**	**$334,288**	**$256,893**	**$170,672**	**$353,311**	**$121,197**	**$241,344**

Cost Category	Gabon	Ghana	Guinea	India	Indonesia	Jordan	Kenya	Lao PDR	Liberia
Salaries	0	43,446	75,760	45,524	77,002	22,762	62,200	57,084	6,642
Fringe	0	11,695	27,936	22,081	39,055	11,040	20,331	26,381	2,614
Equipment	0	0	0	0	0	0	0	0	0
Domestic Travel	0	14,722	2,144	0	0	0	1,117	10,399	111
Foreign Travel	0	9,651	19,225	5,447	6,690	14,313	5,315	7,997	47
Services	0	2,145	136	45,757	103,640	232,491	29,670	6,088	299,326
Supplies	0	1,554	623	18,439	0	0	5,181	283	3,961
Other	0	21,372	72,489	1,496	1,542	748	1,271	11,130	47
Indirects	0	42,304	100,818	48,467	51,668	18,030	36,047	49,020	14,472
Total Costs	**$0**	**$146,890**	**$299,132**	**$187,211**	**$279,597**	**$299,384**	**$161,133**	**$168,382**	**$327,220**

Cost Category	Malaysia	Mongolia	Myanmar	Nepal	RoC	Rwanda	Senegal	Sierra Leone	South Sudan
Salaries	45,524	25,639	84,255	71,441	45,524	69,366	100,740	100,233	0
Fringe	22,081	38,803	32,810	29,648	22,081	35,823	34,337	37,152	0
Equipment	0	0	0	12,820	0	0	41,679	0	0
Domestic Travel	0	2,658	688	13,382	1,403	10,233	16,666	30,296	0
Foreign Travel	5,961	1,490	29,495	9,842	12,240	7,466	17,835	23,938	0
Services	212,426	1,122	31,335	9,773	5,660	5,962	5,852	20,678	0
Supplies	332	6,313	10,724	16,541	226	22,805	21,703	1,857	0
Other	1,496	11,348	1,497	242,030	8,196	4,628	39,845	52,356	0
Indirects	28,807	24,270	46,748	71,904	36,765	36,934	79,109	124,526	0
Total Costs	**$316,627**	**$111,643**	**$237,551**	**$477,381**	**$132,095**	**$193,217**	**$357,765**	**$391,036**	**$0**

Cost Category	Sudan	Tanzania	Thailand	Uganda	Vietnam
Salaries	0	129,891	45,524	105,534	79,457
Fringe	0	32,788	22,081	42,554	76,512
Equipment	0	2,743	0	0	0
Domestic Travel	0	32,664	0	3,100	9,146
Foreign Travel	0	8,832	4,968	4,747	3,137
Services	0	68,473	413,345	12,999	88,095
Supplies	0	19,292	20	30,221	7,078
Other	0	39,523	1,496	17,400	41,679
Indirects	0	102,209	27,960	67,685	57,708
Total Costs	**$0**	**$436,415**	**$515,394**	**$284,239**	**$362,812**

$8,169,470 **Q4Y3 PREDICT-2 Costs (Combined)** **$97,000,000 Obligated to Date**

$31,480,222 **Balance Remaining** *($43.7M Core for YR 1-3 + $53.3M Ebola for YR 2-5)*

PREDICT-2 Expenses Quarter 4 Year 3 (07/01/17-09/30/17) - CORE

Cost Category	US Central	Bangladesh	Cambodia	Cameroon	China	Cote d'Ivoire	DRC	Egypt	Ethiopia
Salaries	68,773	45,525	69,776	0	45,524	0	0	22,762	0
Fringe	29,547	22,081	24,578	0	22,081	0	0	11,040	0
Equipment	0	0	0	0	0	0	0	0	0
Domestic Travel	37,145	0	19,092	0	0	0	0	0	0
Foreign Travel	5,186	9,348	6,837	0	18,658	0	0	1,490	0
Services	0	198,520	2,244	0	132,941	0	0	71,230	0
Supplies	10,371	4,013	6,341	0	5	0	0	0	0
Other	10,130	5,996	115,946	0	1,996	0	0	749	0
Indirects	73,923	41,743	40,107	0	35,688	0	0	13,926	0
Total Costs	**$235,075**	**$327,226**	**$284,921**	**$0**	**$256,893**	**$0**	**$0**	**$121,197**	**$0**

Cost Category	Gabon	Ghana	Guinea	India	Indonesia	Jordan	Kenya	Lao PDR	Liberia
Salaries	0	0	0	45,524	77,002	22,762	0	57,084	0
Fringe	0	0	0	22,081	39,055	11,040	0	26,381	0
Equipment	0	0	0	0	0	0	0	0	0
Domestic Travel	0	0	0	0	0	0	0	10,399	0
Foreign Travel	0	0	0	5,447	6,690	14,313	0	7,997	0
Services	0	0	0	45,757	103,640	232,491	0	6,088	0
Supplies	0	0	0	18,439	0	0	0	283	0
Other	0	0	0	1,496	1,542	748	0	11,130	0
Indirects	0	0	0	48,467	51,668	18,030	0	49,020	0
Total Costs	**$0**	**$0**	**$0**	**$187,211**	**$279,597**	**$299,384**	**$0**	**$168,382**	**$0**

Cost Category	Malaysia	Mongolia	Myanmar	Nepal	RoC	Rwanda	Senegal	Sierra Leone	South Sudan
Salaries	45,524	25,639	84,255	71,441	45,524	69,366	0	0	0
Fringe	22,081	38,803	32,810	29,648	22,081	35,823	0	0	0
Equipment	0	0	0	12,820	0	0	0	0	0
Domestic Travel	0	2,658	688	13,382	1,403	10,233	0	0	0
Foreign Travel	5,961	1,490	29,495	9,842	12,240	7,466	0	0	0
Services	212,426	1,122	31,335	9,773	5,660	5,962	0	0	0
Supplies	332	6,313	10,724	16,541	226	22,805	0	0	0
Other	1,496	11,348	1,497	242,030	8,196	4,628	0	0	0
Indirects	28,807	24,270	46,748	71,904	36,765	36,934	0	0	0
Total Costs	**$316,627**	**$111,643**	**$237,551**	**$477,381**	**$132,095**	**$193,217**	**$0**	**$0**	**$0**

Cost Category	Sudan	Tanzania	Thailand	Uganda	Vietnam
Salaries	0	0	45,524	0	79,457
Fringe	0	0	22,081	0	76,512
Equipment	0	0	0	0	0
Domestic Travel	0	0	0	0	9,146
Foreign Travel	0	0	4,968	0	3,137
Services	0	0	413,345	0	88,095
Supplies	0	0	20	0	7,078
Other	0	0	1,496	0	41,679
Indirects	0	0	27,960	0	57,708
Total Costs	**$0**	**$0**	**$515,394**	**$0**	**$362,812**

$4,506,604 **Q4Y3 PREDICT-2 Costs (CORE)** **$43,700,000 Obligated to Date**

$5,572,915 **Balance Remaining** *($13.6M/YR for YR 1-2 + $16.3M for Y3 + $200K for Jordan)*

PREDICT-2 Expenses Quarter 4 Year 3 (07/01/17-09/30/17) - Ebola

Cost Category	*US Central*	*Cameroon*	*Cote d'Ivoire*	*DRC*	*Ethiopia*	*Ghana*	*Guinea*	*Kenya*	*Liberia*
Salaries	*28,195*	*89,127*	*58,974*	*118,377*	*79,639*	*43,446*	*75,760*	*62,200*	*6,642*
Fringe	*13,348*	*33,756*	*22,540*	*42,194*	*28,044*	*11,695*	*27,936*	*20,331*	*2,614*
Equipment	*0*	*0*	*0*	*0*	*21,000*	*0*	*0*	*0*	*0*
Domestic Travel	*17,942*	*8,309*	*0*	*8,840*	*16,830*	*14,722*	*2,144*	*1,117*	*111*
Foreign Travel	*0*	*16,782*	*11,576*	*7,447*	*3,933*	*9,651*	*19,225*	*5,315*	*47*
Services	*0*	*34,450*	*30,900*	*50,059*	*5,852*	*2,145*	*136*	*29,670*	*299,326*
Supplies	*45,084*	*9,664*	*0*	*6,354*	*1,055*	*1,554*	*623*	*5,181*	*3,961*
Other	*4,178*	*44,951*	*1,271*	*26,142*	*20,728*	*21,372*	*72,489*	*1,271*	*47*
Indirects	*50,676*	*97,249*	*45,411*	*93,899*	*64,264*	*42,304*	*100,818*	*36,047*	*14,472*
Total Costs	***159,423***	***334,288***	**$170,672**	**$353,311**	**$241,344**	**146,890**	**299,132**	**161,133**	**327,220**

Cost Category	*Senegal*	*Sierra Leone*	*Tanzania*	*Uganda*
Salaries	*100,740*	*100,233*	*129,891*	*105,534*
Fringe	*34,337*	*37,152*	*32,788*	*42,554*
Equipment	*41,679*	*0*	*2,743*	*0*
Domestic Travel	*16,666*	*30,296*	*32,664*	*3,100*
Foreign Travel	*17,835*	*23,938*	*8,832*	*4,747*
Services	*5,852*	*20,678*	*68,473*	*12,999*
Supplies	*21,703*	*1,857*	*19,292*	*30,221*
Other	*39,845*	*52,356*	*39,523*	*17,400*
Indirects	*79,109*	*124,526*	*102,209*	*67,685*
Total Costs	**357,765**	**391,036**	**436,415**	**284,239**

$3,662,867 **Q3Y3 PREDICT-2 Costs (Ebola)** **$53,300,000 Obligated to Date**

$25,907,307 **Balance Remaining**

	A	B	C	D	E	F	G	H
1	**Expenses**							
2	***Cost Category***	***US Central***	***Bangladesh***	***Cambodia***	***Cameroon***	***China***	***Cote d'Ivoire***	***DRC***
3	*Salaries*	*137,318*	*41,647*	*62,871*	*105,560*	*41,647*	*54,613*	*96,163*
4	*Fringe*	*54,931*	*13,901*	*16,440*	*39,831*	*13,901*	*20,878*	*34,022*
5	*Equipment*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
6	*Domestic Travel*	*54,591*	*0*	*10,271*	*13,591*	*0*	*5*	*4,664*
7	*Foreign Travel*	*10,245*	*3,982*	*9,209*	*4,509*	*8,218*	*30,744*	*6,204*
8	*Services*	*0*	*242,125*	*248*	*34,955*	*248*	*36,638*	*4,627*
9	*Supplies*	*58,923*	*7*	*1,221*	*3,088*	*7*	*126*	*2,034*
10	*Other*	*46,391*	*2,038*	*114,806*	*81,451*	*2,038*	*1,738*	*29,357*
11	*Indirects*	*154,376*	*32,464*	*36,250*	*134,441*	*25,007*	*53,306*	*76,520*
12	**Total Costs**	**$516,775**	**$336,163**	**$251,316**	**$417,426**	**$91,065**	**$198,048**	**$253,591**
14	***Cost Category***	***Gabon***	***Ghana***	***Guinea***	***India***	***Indonesia***	***Jordan***	***Kenya***
15	*Salaries*	*0*	*46,823*	*49,742*	*41,647*	*54,737*	*20,823*	*67,555*
16	*Fringe*	*0*	*30,717*	*15,971*	*13,901*	*17,998*	*6,950*	*21,513*
17	*Equipment*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
18	*Domestic Travel*	*0*	*16,690*	*1,230*	*0*	*0*	*0*	*3,480*
19	*Foreign Travel*	*0*	*6,109*	*9,071*	*17,867*	*12,754*	*4,544*	*837*
20	*Services*	*0*	*18*	*0*	*56,336*	*6,090*	*94,364*	*29,906*
21	*Supplies*	*0*	*15,858*	*45*	*12,598*	*7*	*3*	*63*
22	*Other*	*0*	*25,453*	*40,093*	*2,038*	*2,038*	*1,019*	*1,703*
23	*Indirects*	*0*	*32,588*	*48,540*	*49,972*	*32,925*	*22,828*	*37,406*
24	**Total Costs**	**$0**	**$174,257**	**$164,691**	**$194,359**	**$126,549**	**$150,532**	**$162,464**
26	***Cost Category***	***Malaysia***	***Mongolia***	***Myanmar***	***Nepal***	***RoC***	***Rwanda***	***Senegal***
27	*Salaries*	*41,647*	*34,074*	*71,591*	*79,770*	*41,647*	*60,747*	*94,796*
28	*Fringe*	*13,901*	*13,010*	*22,140*	*22,197*	*13,901*	*28,195*	*33,339*
29	*Equipment*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
30	*Domestic Travel*	*0*	*3,333*	*2,042*	*6,043*	*-133*	*7,430*	*52*
31	*Foreign Travel*	*7,705*	*3,734*	*11,093*	*7,145*	*3,899*	*9,687*	*6,724*
32	*Services*	*114,151*	*124*	*22,748*	*10,280*	*17,080*	*1,343*	*71*
33	*Supplies*	*7*	*252*	*53,941*	*7,758*	*-97*	*6,678*	*20,831*
34	*Other*	*2,038*	*1,264*	*2,038*	*73,789*	*-688*	*43,705*	*8,112*
35	*Indirects*	*24,843*	*17,047*	*40,308*	*56,220*	*27,506*	*27,207*	*60,080*
36	**Total Costs**	**$204,291**	**$72,836**	**$225,902**	**$263,203**	**$103,114**	**$184,992**	**$224,005**
38	***Cost Category***	***Sudan***	***Tanzania***	***Thailand***	***Uganda***	***Vietnam***		
39	*Salaries*	*0*	*119,024*	*41,647*	*104,814*	*66,487*		
40	*Fringe*	*0*	*36,236*	*13,901*	*64,269*	*27,572*		
41	*Equipment*	*0*	*0*	*0*	*0*	*0*		
42	*Domestic Travel*	*0*	*12,997*	*0*	*5,208*	*9,793*		
43	*Foreign Travel*	*0*	*3,364*	*4,383*	*7,815*	*7,619*		
44	*Services*	*0*	*71*	*294,344*	*1,167*	*-1,088*		
45	*Supplies*	*0*	*3,667*	*7*	*6,956*	*363*		
46	*Other*	*0*	*33,272*	*2,038*	*29,841*	*14,707*		
47	*Indirects*	*0*	*71,613*	*23,780*	*71,014*	*37,081*		
48	**Total Costs**	**$0**	**$280,244**	**$380,100**	**$291,083**	**$162,536**		
49	**$6,410,204**	**Q1Y4**				**$112,980,**		
50		**Balance**				*($59.68M*		
51								

	I	J
1		
2	***Egypt***	***Ethiopia***
3	*20,823*	*79,522*
4	*6,950*	*30,251*
5	*0*	*0*
6	*0*	*4,905*
7	*3,565*	*1,881*
8	*45,825*	*71*
9	*3*	*676*
10	*1,019*	*14,498*
11	*12,280*	*58,813*
12	**$90,466**	**$190,619**
14	***Lao PDR***	***Liberia***
15	*71,364*	*2,253*
16	*24,956*	*1,107*
17	*0*	*0*
18	*1,551*	*0*
19	*22,251*	*31*
20	*17,185*	*58,526*
21	*72*	*70,087*
22	*8,092*	*195*
23	*62,907*	*24,443*
24	**$208,379**	**$156,641**
26	***Sierra Leone***	***South Sudan***
27	*74,047*	*0*
28	*14,618*	*0*
29	*0*	*0*
30	*25,970*	*0*
31	*15,163*	*0*
32	*0*	*0*
33	*3,161*	*0*
34	*114,427*	*0*
35	*87,170*	*0*
36	**$334,557**	**$0**
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	A	B	C	D	E	F	G	H
1	**Expenses**							
2	***Cost Category***	***US Central***	***Bangladesh***	***Cambodia***	***Cameroon***	***China***	***Cote d'Ivoire***	***DRC***
3	*Salaries*	*104,941*	*41,647*	*62,871*	*0*	*41,647*	*0*	*0*
4	*Fringe*	*40,117*	*13,901*	*16,440*	*0*	*13,901*	*0*	*0*
5	*Equipment*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
6	*Domestic Travel*	*39,588*	*0*	*10,271*	*0*	*0*	*0*	*0*
7	*Foreign Travel*	*10,236*	*3,982*	*9,209*	*0*	*8,218*	*0*	*0*
8	*Services*	*0*	*242,125*	*248*	*0*	*248*	*0*	*0*
9	*Supplies*	*44,484*	*7*	*1,221*	*0*	*7*	*0*	*0*
10	*Other*	*27,306*	*2,038*	*114,806*	*0*	*2,038*	*0*	*0*
11	*Indirects*	*105,251*	*32,464*	*36,250*	*0*	*25,007*	*0*	*0*
12	**Total Costs**	**$371,923**	**$336,163**	**$251,316**	**$0**	**$91,065**	**$0**	**$0**
14	***Cost Category***	***Gabon***	***Ghana***	***Guinea***	***India***	***Indonesia***	***Jordan***	***Kenya***
15	*Salaries*	*0*	*0*	*0*	*41,647*	*54,737*	*20,823*	*0*
16	*Fringe*	*0*	*0*	*0*	*13,901*	*17,998*	*6,950*	*0*
17	*Equipment*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
18	*Domestic Travel*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
19	*Foreign Travel*	*0*	*0*	*0*	*17,867*	*12,754*	*4,544*	*0*
20	*Services*	*0*	*0*	*0*	*56,336*	*6,090*	*94,364*	*0*
21	*Supplies*	*0*	*0*	*0*	*12,598*	*7*	*3*	*0*
22	*Other*	*0*	*0*	*0*	*2,038*	*2,038*	*1,019*	*0*
23	*Indirects*	*0*	*0*	*0*	*49,972*	*32,925*	*22,828*	*0*
24	**Total Costs**	**$0**	**$0**	**$0**	**$194,359**	**$126,549**	**$150,532**	**$0**
26	***Cost Category***	***Malaysia***	***Mongolia***	***Myanmar***	***Nepal***	***RoC***	***Rwanda***	***Senegal***
27	*Salaries*	*41,647*	*34,074*	*71,591*	*79,770*	*41,647*	*60,747*	*0*
28	*Fringe*	*13,901*	*13,010*	*22,140*	*22,197*	*13,901*	*28,195*	*0*
29	*Equipment*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
30	*Domestic Travel*	*0*	*3,333*	*2,042*	*6,043*	*-133*	*7,430*	*0*
31	*Foreign Travel*	*7,705*	*3,734*	*11,093*	*7,145*	*3,899*	*9,687*	*0*
32	*Services*	*114,151*	*124*	*22,748*	*10,280*	*17,080*	*1,343*	*0*
33	*Supplies*	*7*	*252*	*53,941*	*7,758*	*-97*	*6,678*	*0*
34	*Other*	*2,038*	*1,264*	*2,038*	*73,789*	*-688*	*43,705*	*0*
35	*Indirects*	*24,843*	*17,047*	*40,308*	*56,220*	*27,506*	*27,207*	*0*
36	**Total Costs**	**$204,291**	**$72,836**	**$225,902**	**$263,203**	**$103,114**	**$184,992**	**$0**
38	***Cost Category***	***Sudan***	***Tanzania***	***Thailand***	***Uganda***	***Vietnam***		
39	*Salaries*	*0*	*0*	*41,647*	*0*	*66,487*		
40	*Fringe*	*0*	*0*	*13,901*	*0*	*27,572*		
41	*Equipment*	*0*	*0*	*0*	*0*	*0*		
42	*Domestic Travel*	*0*	*0*	*0*	*0*	*9,793*		
43	*Foreign Travel*	*0*	*0*	*4,383*	*0*	*7,619*		
44	*Services*	*0*	*0*	*294,344*	*0*	*-1,088*		
45	*Supplies*	*0*	*0*	*7*	*0*	*363*		
46	*Other*	*0*	*0*	*2,038*	*0*	*14,707*		
47	*Indirects*	*0*	*0*	*23,780*	*0*	*37,081*		
48	**Total Costs**	**$0**	**$0**	**$380,100**	**$0**	**$162,536**		
49	**$3,417,726**	**Q1Y4**					**$59,680,0**	
50		**Balance**						
51								
52								

	A	B	C	D	E	F	G	H
53								
54								

	I	J
1		
2	***Egypt***	***Ethiopia***
3	*20,823*	*0*
4	*6,950*	*0*
5	*0*	*0*
6	*0*	*0*
7	*3,565*	*0*
8	*45,825*	*0*
9	*3*	*0*
10	*1,019*	*0*
11	*12,280*	*0*
12	**$90,466**	**$0**
14	***Lao PDR***	***Liberia***
15	*71,364*	*0*
16	*24,956*	*0*
17	*0*	*0*
18	*1,551*	*0*
19	*22,251*	*0*
20	*17,185*	*0*
21	*72*	*0*
22	*8,092*	*0*
23	*62,907*	*0*
24	**$208,379**	**$0**
26	***Sierra Leone***	***South Sudan***
27	*0*	*0*
28	*0*	*0*
29	*0*	*0*
30	*0*	*0*
31	*0*	*0*
32	*0*	*0*
33	*0*	*0*
34	*0*	*0*
35	*0*	*0*
36	**$0**	**$0**
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50		*($13.6M/YR*
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	I	J
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54		

	A	B	C	D	E	F	G	H
1	**Expenses**							
2	***Cost Category***	***US Central***	***Cameroon***	***Cote d'Ivoire***	***DRC***	***Ethiopia***	***Ghana***	***Guinea***
3	*Salaries*	*32,377*	*105,560*	*54,613*	*96,163*	*79,522*	*46,823*	*49,742*
4	*Fringe*	*14,814*	*39,831*	*20,878*	*34,022*	*30,251*	*30,717*	*15,971*
5	*Equipment*	*0*	*0*	*0*	*0*	*0*	*0*	*0*
6	*Domestic Travel*	*15,003*	*13,591*	*5*	*4,664*	*4,905*	*16,690*	*1,230*
7	*Foreign Travel*	*9*	*4,509*	*30,744*	*6,204*	*1,881*	*6,109*	*9,071*
8	*Services*	*0*	*34,955*	*36,638*	*4,627*	*71*	*18*	*0*
9	*Supplies*	*14,439*	*3,088*	*126*	*2,034*	*676*	*15,858*	*45*
10	*Other*	*19,085*	*81,451*	*1,738*	*29,357*	*14,498*	*25,453*	*40,093*
11	*Indirects*	*49,126*	*134,441*	*53,306*	*76,520*	*58,813*	*32,588*	*48,540*
12	**Total Costs**	**$144,852**	**$417,426**	**$198,048**	**$253,591**	**$190,619**	**$174,257**	**$164,691**
14	***Cost Category***	***Senegal***	***Sierra Leone***	***Tanzania***	***Uganda***			
15	*Salaries*	*94,796*	*74,047*	*119,024*	*104,814*			
16	*Fringe*	*33,339*	*14,618*	*36,236*	*64,269*			
17	*Equipment*	*0*	*0*	*0*	*0*			
18	*Domestic Travel*	*52*	*25,970*	*12,997*	*5,208*			
19	*Foreign Travel*	*6,724*	*15,163*	*3,364*	*7,815*			
20	*Services*	*71*	*0*	*71*	*1,167*			
21	*Supplies*	*20,831*	*3,161*	*3,667*	*6,956*			
22	*Other*	*8,112*	*114,427*	*33,272*	*29,841*			
23	*Indirects*	*60,080*	*87,170*	*71,613*	*71,014*			
24	**Total Costs**	**$224,005**	**$334,557**	**$280,244**	**$291,083**			
25	**$2,992,478**	**Q1Y4**					**$53,300,0**	
26		**Balance**						
27								
28								
29								

	I	J
1		
2	***Kenya***	***Liberia***
3	*67,555*	*2,253*
4	*21,513*	*1,107*
5	*0*	*0*
6	*3,480*	*0*
7	*837*	*31*
8	*29,906*	*58,526*
9	*63*	*70,087*
10	*1,703*	*195*
11	*37,406*	*24,443*
12	**$162,464**	**$156,641**
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From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Jonna Mazet <jkmazet@ucdavis.edu>
Cc: Predict inbox <predict@ucdavis.edu>, David John Wolking <djwolking@ucdavis.edu>
Subject: RE: For JM review: Q1Y4 USAID Expenditure by Country/Category report (due 2/14/18)
Sent: Wed, 14 Feb 2018 16:59:46 +0000

Sounds like a plan. I'll send you a summary of the January expenditures once I have all of the invoices in.

Thanks,
Liz

Elizabeth Leasure
Financial Operations Manager
One Health Institute
530-304-1403 (cell)
530-754-9034 (office)
Skype: ealeasure

From: [redacted] **On Behalf Of** Jonna Mazet
Sent: Tuesday, February 13, 2018 8:52 PM
To: Elizabeth Leasure
Cc: Predict inbox; David John Wolking
Subject: Re: For JM review: Q1Y4 USAID Expenditure by Country/Category report (due 2/14/18)

Well, that really sucks -- I'll call Peter about the EHA activities and billings.
If there is something to report, I'll call Andrew.
Nothing we can do about this one, but we'll need to keep on top of billings monthly this quarter to avoid next quarter ending up at this level without time to fix it.
Thanks,
J

On Tue, Feb 13, 2018 at 7:50 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:
Hi Jonna. The Q1Y4 Expenditure by Country/Category report for Andrew is attached for your review/approval. The Q4Y3 report is also attached for comparison purposes. Unfortunately, we're down $1.76M overall from the previous quarter, with $1.09M of this amount being core and $670K being Ebola. I expect the delay in new subaward/subcontract approvals through the ceiling increase and the country transitions are the main cause of this drop in expenditures. The countries that dropped $100K or more are listed below for your reference and potential follow up. Let me know if you have any questions. Thanks!

- China and Indonesia are down significantly ($166K & $153K, respectively) due to Metabiota pulling out of these countries.

- Liberia, Jordan, and Malaysia are down ($171K, $148K, & $112K, respectively). Their services (subawards/subcontracts) billings were down $230K in Liberia, $138K in Jordan, and $98K in Malaysia, while the rest of their expenses were consistent or went up a bit. The cause is likely either irregular billings from their consultants and in-country partners (an ongoing issue), cash-flow limitations due to late invoice payments, or both.

- DRC decreased $100K primarily due to a drop in Metabiota's billings ($70K) from the previous quarter. We also revised how we distributed global costs to reduce the allocation to DRC.

- Guinea is down $134K. The Guinea field/lab supply and travel costs were down $42K overall from last quarter, as we were pushing hard to spend at the end of the year to get our numbers up. The VHF subaward also took some time to get

online. The wire transfer was probably delayed due to the staffing transition, and there is usually a delay in getting financial reporting going after the first wire transfer is received.

- Senegal is down $134K. One-time equipment purchases ($42K total), lots of travel before Corina went on maternity leave, and large supply purchases resulted in the Q4Y3 being quite high at $358K. $224K isn't too bad, though there is room for improvement. Delays in wire transfer and/or subaward amendments due to the staffing transition may have played a role.

- Tanzania is down $156K. SUA had a big billing in September ($90K), then their expenses dropped back down to $10-15K. Domestic travel, supply, and personnel costs dropped markedly from the previous quarter, as well. $280K is still respectable.

- Vietnam is down $200K, most likely due to delays in sub approvals through the ceiling increase and the delay in obligating Y4 funds.

Elizabeth Leasure
Financial Operations Manager
One Health Institute
530-304-1403 (cell)
530-754-9034 (office)
Skype: ealeasure

From:	Jonna Mazet <jkmazet@ucdavis.edu>
To:	Katherine E Kerlin <kekerlin@ucdavis.edu>
CC:	Brooke Genovese <bgenovese@ucdavis.edu>;Eri Togami <etogami@ucdavis.edu>;Eunah Regina Cho <eecho@ucdavis.edu>;Matthew Blake <mblake@ucdavis.edu>;Trina J Wood <tjwood@ucdavis.edu>
Sent:	2/22/2018 6:11:14 PM
Subject:	Re: FW: UC Davis News: Global Virome Project Could Mark End of Pandemic Era

Thanks!
Jonna

On Thu, Feb 22, 2018 at 11:04 AM Katherine E Kerlin <kekerlin@ucdavis.edu> wrote:

Release is out! See below and online at https://www.ucdavis.edu/news/ambitious-global-virome-project-could-mark-end-pandemic-era

Thanks for all the help.

Best,

Kat

Kat Kerlin

UC Davis News and Media Relations

Environment

O: 530-752-7704

@UCDavis_Kerlin

Science & Climate

From: <newstips-request@ucdavis.edu> on behalf of UC Davis News Service <newsservice@ucdavis.edu>
Date: Thursday, February 22, 2018 at 11:00 AM
To: "newstips@ucdavis.edu" <newstips@ucdavis.edu>
Subject: UC Davis News: Global Virome Project Could Mark End of Pandemic Era



Ambitious Global Virome Project Could Mark

End of Pandemic Era

By Kat Kerlin on February 22, 2018, in Human & Animal Health

Quick Summary

- Global Virome Project to dramatically scale up PREDICT's efforts and accelerate viral discoveries
- Most recent pandemics began when disease was transmitted from animals to humans
- 1.6 million viral species are yet to be discovered in animal populations
- Of those, up to 840,000 likely have capacity to cause disease in humans

Rather than wait for viruses like Ebola, SARS and Zika to become outbreaks that force the world to react, a new global initiative seeks to proactively identify, prepare for and stop viral threats before they become pandemics.

The **Global Virome Project**, described in an article of the same name to be published Feb. 23 in the journal *Science*, is an international partnership to identify and halt the spread of the majority of the planet's unknown viruses. Such an approach could mark the end of the "Pandemic Era," the authors say.

"We now have the ability to understand viral threats before they cause outbreaks," said Dr. Jonna Mazet, the paper's anchor author and Executive Director of the One Health Institute at the University of California, Davis, School of Veterinary Medicine. "It is time to move from reactionary mode, chasing the last horrible virus, to a proactive one. We can and will finally be able to identify future threats and take the steps necessary to prevent the next pandemic."

1.6 million viral species yet to be discovered

Most recent pandemics have animal origins, where diseases are transmitted from animals to people. The paper says an estimated 1.6 million viral species are yet to be discovered in mammal and bird populations. Of those, an estimated 650,000 to 840,000 have the capacity to infect and cause disease in humans.

Finding most of them is an ambitious but reachable goal. The proof of concept was validated through USAID's **PREDICT** program, which has found more than 1,000 unique viruses in animals and humans. This viral discovery program is led by the UC Davis One Health Institute and directed by Mazet. Having operated in more than 35 countries, PREDICT focuses on high-risk areas, where people and wildlife share changing landscapes and increasing pathogen transmission risks.

The Global Virome Project is designed to dramatically scale up PREDICT's efforts and accelerate viral discoveries.

"As the Global Virome Project builds up a picture of every virus's ecologic profile -- which species it infects, where on the planet it's found, which communities and their livestock are exposed to it -- we can target our vaccines and drugs to the people on the front line of the next emerging disease," said lead author Dr. Dennis Carroll, director of USAID's Emerging Threats Program in the Bureau for Global Health.

Prevention less costly than reaction

Preventing outbreaks can cost less than reacting to one. For instance, the global economic impacts of the 2003 SARS epidemic was an estimated $10 billion to $30 billion. Yet, the cost of identifying the viruses in advance and preparing for them remains a significant challenge.

The Global Virome Project estimates that discovering most of the remaining viral threats and characterizing their risk of spillover would cost less than 10 percent of responding to just one major outbreak, like the West African Ebola epidemic.

The authors compare the effort to the Human Genome Project in the 1980s, which led to new technologies that ushered in an era of personalized genomics and precision medicine. Similarly, the Global Virome Project could spur development

of pathogen discovery technologies, provide a wealth of publicly accessible data and lead to unanticipated discoveries, perhaps viruses that cause cancers, mental health or behavioral disorders. It could also greatly improve the ability to identify vulnerable populations and prevent global pandemics.

International effort

The idea for the Global Virome Project **began in 2016** when stakeholders from Asia, Africa, the Americas and Europe spanning industry, academia, intergovernmental agencies, nongovernmental organizations and the private sector began to design a framework for the project. Fieldwork in China and Thailand is expected to begin this year.

"I'm incredibly excited to be working with like-minded scientists and policy-makers from around the world, who are fed up with our inability to predict the next strain of deadly viruses," Mazet said. "We are ready to work together to stop the current vicious disease cycle and identify and stop viral threats at their sources."

The paper's authors come from leading institutions of the initiative. Lead author is USAID Director Dennis Carroll. Co-authors, in addition to Mazet, include Peter Daszak from EcoHealth Alliance; Nathan Wolfe from Metabiota; George Fu Gao from the Chinese Academy of Sciences; Carlos Morel of the Brazilian National Institute of Science and Technology for Innovation in Neglected Diseases; Subhash Morzaria from the Food and Agriculture Organization of the United Nations; Ariel Pablos-Mendez from Columbia University Medical Center; and Oyewale Tomoro of the World Academy of Sciences, Nigerian Academy of Sciences and University of Lagos.

Media contact:

Kat Kerlin, UC Davis News and Media Relations, 530-752-7704, 530-750-9195 (cell), kekerlin@ucdavis.edu

Media Resources

- Read more about the Global Virome Project

To see more UC Davis news, visit our online newsroom: https://www.ucdavis.edu/news

If you would rather not receive future communications from UC Davis Campus, let us know by clicking here.
UC Davis Campus, One Shields Avenue, Davis, CA 95616 United States

From:	Katherine Leasure <kaleasure@ucdavis.edu>
To:	'PREDICTMGT' <predictmgt@usaid.gov>
CC:	predict@ucdavis.edu <predict@ucdavis.edu>;'Jonna Mazet' <jkmazet@ucdavis.edu>
Sent:	3/20/2018 12:47:44 AM
Subject:	PREDICT International Travel Requests

Please find below international travel requests for your review and approval. Please let me know if you have any questions. Thanks!

1. O'Rourke, Edison (USA): $579 each airfare/$234 (Napa) max daily per diem
2. Lange (USA): $579 airfare/$350 (San Francisco), $234 (Napa) max daily per diems
3. Chmura (China): $2531 airfare/$402 (Shanghai), $262 (Dali), $377 (Beijing), $415 (Guangzhou) max daily per diems
4. Kelly (Ghana): $2000 airfare/$331 (Accra) max daily per diem
5. Gutierrez-Jimenez (United Kingdom, India): $2,800 airfare/$522 (London), $291 (Other), $400 (New Delhi) max daily per diems

Travel Requests –

1. Metabiota would like to request travel approval for Tammie O'Rourke and Beth Edison to travel from Nanaimo, British Columbia, Canada to Napa, California, USA from April 9 - 12, 2018 to attend the PREDICT 2 semi-annual meeting.

Trip purpose: To meet with PREDICT- 2 consortium members for the Semi-Annual Meeting on April 10 and 11.

2. Metabiota would like to request travel approval for Dr. Christian Lange to travel from Kiev, Ukraine to San Francisco, California, USA from April 7-9, 2018 to meet with Metabiota PREDICT Senior Management on April 8. From San Francisco, California, USA he will travel to Napa, California, USA from April 9-12, 2018 to attend the PREDICT-2 Semi Annual meeting.

Trip purpose: In San Francisco, Dr. Lange will meet with Metabiota PREDICT Senior Management to discuss PREDICT concerns, progress and issues. In Napa, Dr. Lange will meet with the PREDICT-2 consortium at the Semi-Annual meeting on April 10 and 11, 2018. **Dr. Lange will be travelling from Ukraine as he will be travelling there for a different project. After the Semi-Annual meeting, he will travel back to Nanaimo, Canada. Travel costs will be split between the two programs.*

3. EcoHealth Alliance would like to request travel approval for Mr. Aleksei Chmura to travel from New York, New York, USA to Shanghai, Dali, Beijing, and Guangzhou, China from April 16 to May 18, 2018 for meetings with in-country partners, field work, behavioral surveillance, and site selection work.

Trip purpose: Mr. Aleksei Chmura will meet with PREDICT-2 Field Coordinator, Dr. Guangjian Zhu, in Shanghai for PREDICT-2 Y4 wildlife sampling operation discussion, and visit PREDICT sites in Yunnan province (Dali), meeting with local partner from Yunnan Institute of Endemic Diseases Control and Prevention for community human surveillance. Mr. Chmura will also meet with new lab partner in Beijing at the Institute of Microbiology, Chinese Academy of Sciences for Y4/Y5 laboratory testing planning, and meet with wildlife sampling field team in Guangzhou for Tyvek and other Biosafety refresh training.

4. UC Davis would like to request travel approval for Dr. Terra Kelly to travel from Flagstaff, Arizona, USA to Accra, Ghana from April 21-27, 2018 for meetings and training with in-country partners.

Trip purpose: Dr. Kelly will be traveling to Accra to meet with PREDICT implementing partners. Dr. Kelly will also be conducting training for PREDICT laboratory personnel on data entry and management in the EIDITH database and PCR product/sample shipping.

5. EcoHealth Alliance would like to request travel approval for Dr. Leticia Gutiérrez-Jiménez to travel from New York, New York, USA to New Delhi and Lucknow, India from April 23 to May 31, 2018 to conduct field site exploration, training and field sampling, and meet with the PREDICT-2 India team. **Dr. Gutierrez-Jimenez will stay 1 night in London, United Kingdom and New Delhi, India on both legs*

of her trip as part of her connecting flights.

Trip purpose: In New Delhi, Dr. Gutierrez-Jimenez will meet with Country Coordinator, Dr. Rajesh Bhatia. In Lucknow, she will meet with PREDICT-2 India's Field Coordinator, Dr. Debapriyo Chakraborty, and with implementing partners at Sanjay Gandhi Postgraduate Institute of Medical Sciences to coordinate concurrent surveillance activities. In Maharajganj, Uttar Pradesh, Dr. Gutiérrez-Jiménez will conduct wildlife surveillance and disease ecology training. She and PREDICT-2 India Field Coordinator, Debapriyo Chakraborty, will carry out bat, rodent and non-human primate sampling.

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu

From: Amanda Paust <apaust@usaid.gov>
Sent: Fri, 6 Apr 2018 05:49:43 -0700
To: David J Wolking <djwolking@ucdavis.edu>
Cc: "Andrew Clements, (GH/HIDN)" <AClements@usaid.gov>, predict@ucdavis.edu, PREDICTMGT <predictmgt@usaid.gov>
Subject: [predict] Re: GENTLE REMINDER: Deadline GHSA/EPT-2 FY2018 Reporting (Guidance and Template)

Hi David,
Thanks for letting us know you've received this request from the Cameroon Mission. Missions are taking more control of their reporting, so I wondered if this would be the case for centrally managed awards. It's up to the AOR management team if they want to receive it first centrally before sending out to the field as we have done in the past. I know Andrew is on leave, but maybe others could like to weigh in?

We could treat it the way we do workplans where the reports are worked on together but ultimately submitted to Washington, but I think continuing the way we have been is fine as well. The Mission would understand if the AOR team wants to vet the reports before sending to the field. But a decision should come
From the AOR team.

Sent from my iPhone

On Apr 5, 2018, at 6:55 PM, David J Wolking <djwolking@ucdavis.edu> wrote:

> Hi Andrew and Mandy,
> Just wanted to share that the Embassy in Cameroon is expecting the ghsa report on the same deadline as you all in DC. We typically pass through to you first so would appreciate your guidance on this request. We are happy to share the Cameroon report with the mission when we submit to you, but also do not want to overstep or violate your protocol.violate

So far this is the only mission I have seen the request from.

Thanks in advance for your guidance,

David

---------- Forwarded message ---------
From: Beth Edison <bedison@metabiota.com>
Date: Thu, Apr 5, 2018, 10:20 AM
Subject: Fwd: GENTLE REMINDER: Deadline GHSA/EPT-2 FY2018 Reporting (Guidance and Template)
To: David Wolking <djwolking@ucdavis.edu>

Hi David,
Moctar was in touch in February about the local mission providing a deadline for the GHSA report. It looks like they are still expecting it. I'm not sure that we will want to share it locally at the same time - as I assume DC sometimes makes some edits and may want to control distribution.

Do you want us to share the final version, or do you want to ask DC to reach out to the local mission about it?

thanks!
Beth

---------- Forwarded message ----------

From: **matthew lebreton** <mlebreton@mosaic.cm>
Date: Thu, Apr 5, 2018 at 10:02 AM
Subject: Re: GENTLE REMINDER: Deadline GHSA/EPT-2 FY2018 Reporting (Guidance and Template)
To: Moctar Mouiche <mmouiche@mosaic.cm>
Cc: Beth Edison <bedison@metabiota.com>

Thanks Moctar
As the embassy deadline is the same as the deadline for UCDavis to submit to USAID we need to make sure that David sends us the submitted version when he submits to USAID so that you can also submit to the embassy the same day or early next morning.

Matthew LeBreton

On Thu, Apr 5, 2018 at 6:00 PM, Moctar Mouiche <mmouiche@mosaic.cm> wrote:

David Wolking response bellow when I share this message the first time.

---------- Forwarded message ----------
From: **David J Wolking** <djwolking@ucdavis.edu>
Date: Thu, Feb 15, 2018 at 4:32 PM
Subject: Re: [predict] Fwd: GHSA/EPT-2 FY2018 Reporting Guidance and Template
To: Moctar Mouiche <mmouiche@mosaic.cm>
Cc: James Ayukekbong <jayukekbong@metabiota.com>, Karen Saylors <ksaylors@metabiota.com>, "predict@ucdavis.edu" <predict@ucdavis.edu>, matthew lebreton <mlebreton@mosaic.cm>

Thanks for sharing Moctar,
We received the same from the GHSA team in Washington. We will be reporting using our traditional mechanism first to HQ in Davis and then onwards as a unified consortium packet to USAID/Washington. As we draw nearer the report deadline I will be in touch with instructions and our own internal deadlines.

Best,

David

Moctar M. Mouiche Mouliom, DVM, PhD
Cameroon Country Coordinator (Metabiota - USAID Predict)
REDACTED
www.mosaic.cm REDACTED

On Thu, Apr 5, 2018 at 5:48 PM, matthew lebreton <mlebreton@mosaic.cm> wrote:

---------- Forwarded message ----------
From: **Stephen Wazeh** <swazeh@usaid.gov>
Date: Mon, Apr 2, 2018 at 7:50 AM
Subject: GENTLE REMINDER: Deadline GHSA/EPT-2 FY2018 Reporting (Guidance and Template)
To: Moctar Mouiche <mmouiche@mosaic.cm>, Ubald Tamoufe <utamoufe@metabiota.com>, Mathew Lebreton Mosaic Yaounde <mlebreton@mosaic.cm>, Severin Loul <severin_loul@dai.com>, Olga Bassong <OBassong@ghscta.org>, REDACTED, Joelle Aurelie MOUAHA WAMBO FOTSO <JoelleAurelie.MOUAHA@ifrc.org>, Pr Omer Njajou OHW REDACTED, Omer Njajou <njajo001@umn.edu>, Jeanne Ngogang REDACTED, Faustin FACHO Balaam REDACTED, Arouna NJAYOU NGAPAGNA <REDACTED, EDIE GREGORY HALLE-EKANE <halle-ekane.edie@ubuea.cm>, Denis Zofou <REDACTED, "Salla, Abdou (FAOCM)" <Abdou.Salla@fao.org>

Dear EPT-2 Partners,

Just to inform you that the **Deadline** for the Second Quarter (**Q2**) reporting period is **April 16th, 2018.**

Thanks.

Stephen

---------- Forwarded message ----------
From: **Stephen Wazeh** <swazeh@usaid.gov>
Date: Thu, Feb 15, 2018 at 9:28 AM
Subject: GHSA/EPT-2 FY2018 Reporting Guidance and Template
To: "Salla, Abdou (FAOCM)" <Abdou.Salla@fao.org>, Moctar Mouiche <mmouiche@mosaic.cm>, Ubald Tamoufe <utamoufe@metabiota.com>, Mathew Lebreton Mosaic Yaounde <mlebreton@mosaic.cm>, Severin Loul <severin_loul@dai.com>, Olga Bassong <OBassong@ghscta.org> REDACTED <REDACTED>, Joelle Aurelie MOUAHA WAMBO FOTSO <JoelleAurelie.MOUAHA@ifrc.org>, Pr Omer Njajou OHW <REDACTED>, Omer Njajou <njajo001@umn.edu>, Jeanne Ngogang <REDACTED>, Faustin FACHO Balaam <REDACTED>, Arouna NJAYOU NGAPAGNA <REDACTED>, EDIE GREGORY HALLE-EKANE <halle-ekane.edie@ubuea.cm>, Denis Zofou <REDACTED>
Cc: "Dr Mounkaila Abdou Billo GHSA & Dev. Advisor" <mbillo@usaid.gov>

Dear EPT-2 Partners,

Please find attached USAID finalized reporting guidance, template and timeline for GHSA/EPT-2 partners including Cameroon, if you have not yet received them.

As stated in these guidelines, your semi-annual reports will be sent to **Amanda Paust** (apaust@usaid.gov), with copy to the USAID-GHSA embassy team in Cameroon. Please find the due dates for the GHSA /EPT-2 reporting below:

FY18Q2 report due April 16
FY18Q4 report due September 14

Please let us know if you have any questions.

Best Regards,

--

Wazeh Stephen Atanga, MD, MSc Epid.
GHSA Specialist
USAID|West Africa|Cameroon
US Embassy, Cameroon
Tel:
Cell: REDACTED
Email: REDACTED
WazehSA@state.gov

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Stephen Wazeh Atanga, MD, MSc Epid.
GHSA Specialist
USAID|West Africa|Cameroon
US Embassy, Cameroon
Tel:
Cell: REDACTED

Email: REDACTED REDACTED
WazehSA@state.gov

From:	Andrew Clements <aclements@usaid.gov>
To:	Katherine Leasure <kaleasure@ucdavis.edu>
CC:	PREDICTMGT <predictmgt@usaid.gov>;Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>
Sent:	4/20/2018 7:50:47 AM
Subject:	[predict] Re: Change to Approved ITA - Gutierrez-Jimenez to India CANCELLED

Thanks, Will let the mission know.

On Fri, Apr 20, 2018 at 1:59 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Per EcoHealth Alliance, Leticia Gutierrez Jimenez's travel to India has been cancelled (previously approved ITA below for reference). No new dates have been provided for this trip; a new ITA will be submitted if rescheduled. Please let me know if you have any questions. Thank you!

EcoHealth Alliance would like to request travel approval for Dr. Leticia Gutiérrez-Jiménez to travel from New York, New York, USA to New Delhi and Lucknow, India from April 23 to May 31, 2018 to conduct field site exploration, training and field sampling, and meet with the PREDICT-2 India team. **Dr. Gutierrez-Jimenez will stay 1 night in London, United Kingdom and New Delhi, India on both legs of her trip as part of her connecting flights.*

Trip purpose: In New Delhi, Dr. Gutierrez-Jimenez will meet with Country Coordinator, Dr. Rajesh Bhatia. In Lucknow, she will meet with PREDICT-2 India's Field Coordinator, Dr. Debapriyo Chakraborty, and with implementing partners at Sanjay Gandhi Postgraduate Institute of Medical Sciences to coordinate concurrent surveillance activities. In Maharajganj, Uttar Pradesh, Dr. Gutiérrez-Jiménez will conduct wildlife surveillance and disease ecology training. She and PREDICT-2 India Field Coordinator, Debapriyo Chakraborty, will carry out bat, rodent and non-human primate sampling.

Katherine Leasure

HR/Payroll/Financial Assistant

One Health Institute

University of California, Davis

530-752-7526

530-752-3318 FAX

kaleasure@ucdavis.edu

predictmgt+unsubscribe@usaid.gov

predictmgt@usaid.gov

https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/040701d3d83a%2475d962c0%24618c2840%24%40ucdavis.edu

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Andrew Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
E-mail: aclements@usaid.gov

For more information on USAID's Emerging Pandemic Threats program, see: http://www.usaid.gov/ept2

From:	Andrew Clements <aclements@usaid.gov>
To:	David J Wolking <djwolking@ucdavis.edu>
CC:	Alisa Pereira Emerging Threats Division <apereira@usaid.gov>;Tiffany D'mello <tdmello@usaid.gov>;PREDICTMGT <predictmgt@usaid.gov>;predict@ucdavis.edu <predict@ucdavis.edu>;Prof. Jonna Mazet <jkmazet@ucdavis.edu>
Sent:	4/28/2018 7:15:40 AM
Subject:	Re: PREDICT 2018 Semi-annual report and Y4 M&E data

Received. Thanks, David!

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Apr 27, 2018, at 11:47 PM, David J Wolking <djwolking@ucdavis.edu> wrote:

From:	Katherine Leasure <kaleasure@ucdavis.edu>
To:	'PREDICTMGT' <predictmgt@usaid.gov>
CC:	predict@ucdavis.edu <predict@ucdavis.edu>;'Prof. Jonna Mazet' <jkmazet@ucdavis.edu>
Sent:	5/4/2018 12:31:39 AM
Subject:	PREDICT International Travel Requests

Please find below international travel requests for your review and approval. Please let me know if you have any questions. Thanks!

1. Leasure, Chale (Tanzania, Ethiopia): $2500 airfare/$309 (Dar es Salaam), $197 (Morogoro), $400 (Addis Ababa) max daily per diems
2. McIver (Laos): $300 airfare/$212 (Vientiane) max daily per diem
3. Li (China): $2525 airfare/$377 (Beijing), $262 (Kunming), $415 (Guangzhou) max daily per diems

Travel Requests –

1. UC Davis would like to request travel approval for Elizabeth Leasure and Hannah Chale to travel from Sacramento, CA, USA to Dar es Salaam and Morogoro, Tanzania from May 23-May 30, 2018 (Leasure) and May 25-30, 2018 (Chale) and to Addis Ababa, Ethiopia from May 31-June 2, 2018 for meetings with in-country partners and to conduct on-site subrecipient reviews.

Trip purpose: Ms. Leasure and Ms. Chale will meet with in-country partner staff at Sokoine University of Agriculture (SUA) and Ifakara Health Institute (IHI) in Tanzania and Addis Ababa University in Ethiopia regarding administrative and financial management procedures and to conduct a review of internal controls and financial records. On-site reviews are a critical component of UC Davis's subrecipient monitoring plan, which was developed to ensure adequate oversight and compliance with all applicable regulations. SUA, IHI, and AAU are partners with UC Davis on multiple projects, and costs will be split between projects, as appropriate. **Please note that Ms. Leasure will undertake personal travel from May 25-27 while in Tanzania; no costs associated with this travel will be billed to project funds.*

2. Metabiota would like to request travel approval for Dr. David McIver, PREDICT Epidemiologist, to travel from Bangkok, Thailand to Vientiane, Lao PDR from June 1-8, 2018 to meet with the in-country team, assess ongoing human surveillance activities, and help coordinate ongoing laboratory activities.

Trip purpose: While in Lao PDR, Dr. McIver will meet with in-country PREDICT team members, assess ongoing human surveillance activities, and help coordinate ongoing laboratory activities at both the National Animal Health Laboratory and the National Center for Laboratory and Epidemiology.

3. EcoHealth Alliance would like to request travel approval for Hongying Li to travel from New York, NY, USA to Beijing, Kunming, and Guangzhou, China from June 4-21, 2018 for field coordination work and meetings with in-country partners in China.

Trip purpose: Hongying Li will meet with country field coordinator, Dr. Guangjian Zhu, in Yunnan and Guangzhou provinces to assist with fieldwork. She will also meet with PREDICT lab partners in Beijing to follow-up with lab testing.

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu

Lao PDR Temporary Duty Information Form (Last update: August 2017)
(send completed form to ahuerta@state.gov, manisonem@state.gov, and samaiphonet@state.gov)

Submitted by: David McIver, Metabiota Inc.

Dates of travel:	From: 6/1/2018 To: 6/8/2018
TDY objective:	Visit with in-country EPT2 PREDICT team members; assess ongoing field surveillance and laboratory activities.
USAID activity	Visit with in-country EPT2 PREDICT team members; assess ongoing field surveillance and laboratory activities.
Individuals visiting Laos (from RDMA, Washington, Implementing Partner):	Dr. David McIver, Metabiota, Inc.
Required meetings to be arranged:	N/A
Site visits required:	Potential for site visit to Khong District Hospital, Champasak Province, for oversight of human syndromic surveillance.
Data to be collected:	Only routine, ongoing data collection of wildlife and humans
Is a DIP note or letter of introduction requested:	☐ Yes ☒ No *Note: DIP notes are required for site visits and meetings with high-level GOL officials. Names of GOL officials must also be provided.*
Is motor pool requested:	☐ Yes ☒ No
Is Embassy access requested:	☐ Yes ☒ No
Have the visitors met with the AMB/DCM before:	☐ Yes ☒ No
Is Laos staff recommended to accompany all meetings:	☐ Strongly recommended ☒ Optional, but at the Laos Office discretion
Additional Comments:	

*Only a limited number of hotels meet Embassy Lao security and safety requirements for eCC travelers. As of August 2017 these are: (1) Lao Plaza Vientiane, (2) Landmark Mekong Riverside, (3) Settha Palace, (4) Dhavara Vientiane, and (5) Crowne Plaza.

From: [redacted]
To: Cara Chrisman <cchrisman@usaid.gov>, Jonna Mazet <jkmazet@ucdavis.edu>, "daszak@ecohealthalliance.org" <daszak@ecohealthalliance.org>, "nwolfe@metabiota.com" <nwolfe@metabiota.com>, "erubin@metabiota.com" <erubin@metabiota.com>, "watson@ecohealthalliance.org" <watson@ecohealthalliance.org>
Cc: Dennis Carroll <dcarroll@usaid.gov>
Subject: RE: China to help ID unknown lethal viruses - Chinadaily.com.cn
Sent: Tue, 22 May 2018 17:13:13 +0000

Hi Cara,

Thank you for sharing – this is great.

REDACTED

From: Cara Chrisman [mailto:cchrisman@usaid.gov]
Sent: Tuesday, May 22, 2018 5:33 AM
To: Jonna Mazet <jkmazet@ucdavis.edu>; daszak@ecohealthalliance.org; nwolfe@metabiota.com; erubin@metabiota.com; watson@ecohealthalliance.org; [redacted]
Cc: Dennis Carroll <dcarroll@usaid.gov>
Subject: Fwd: China to help ID unknown lethal viruses - Chinadaily.com.cn

Hi All,

If you haven't seen it, the GVP & role of China is highlighted in the article below.

Best,
Cara

Sent from my iPhone
Begin forwarded message:

http://www.chinadaily.com.cn/a/201805/22/WS5b035506a3103f6866ee9b83.html

China to help ID unknown lethal viruses

Quarantine workers at Qingdao airport in Shandong province test samples for the Ebola virus on Aug 11, 2014.[Xie Hao/For China Daily]

Global effort aims to find disease vectors that can jump from animals to humans

China will help lead a project to identify unknown viruses from wildlife to better prepare humans for major epidemics – if not global pandemics. The project is to be launched this year, according to one of the country's top health officials.

The Global Virome Project will start in China and Thailand with field work to collect samples from wild animals and analyze the viruses detected, said Gao Fu, head of the Chinese Center for

Disease Control and Prevention.

"Scientists will collect virus samples from animals such as bats and rats for study using techniques like next generation (DNA) sequencing to find whether new viruses exist," he said.

The project, estimated to cost up to $1.2 billion, is expected to take 10 years and involves many countries including the United States, Brazil and Nigeria.

Through more intensive and extensive study of viruses from animals that could infect humans, it may be possible to deal with viruses using preemptive controls and prevention instead of passive, reactive measures, Gao said.

"We all know there are almost certainly new viruses that could cause the next global pandemic, but based on the existing early warning capacity for diseases, we do not know, for example, which virus will cause an epidemic," Gao said.

"We are sure that new virus strains will appear in the future along with changes in our ecology, environment and human behaviors."

For instance, humans' abuse of antibiotics has lead to the potential development of superbugs.

"There are many viruses living in wild animals, so we can identify viruses and thoroughly study those that could pass to humans," Gao said. "Ideally we can develop vaccines and a diagnosis for such viruses even before they cause human epidemics."

It is known that 263 viruses can infect humans, but scientists estimate there may be more than half a million viruses that live in birds and mammals and that are unknown to humans that may be capable of infecting humans, and they are the primary subject of the project's research, Gao said.

Even if a large number of such unknown viruses are identified, it is possible that just a small fraction of them have the ability to cause major epidemics that cause human deaths, he said.

However, considering the huge cost of a major epidemic like SARS to human health and economies, the findings of the project still have the potential to greatly reduce losses through

improved early diagnosis and identification of hosts vulnerable to a new virus after an outbreak, according to Gao.

A similar project carried out by the US Agency for International Development proved the feasibility of the Global Virome Project and provides helpful experience, he said.

The USAID project, known as Predict and launched in 2009, with China a participant, led to findings of more than 1,000 viruses previously unknown to humans. The project cost was over $170 million, he said.

Some of the technologies used for that project have proved reliable and economically affordable and can be used for the Global Virome Project, Gao said.

Sent from my iPhone

From: [redacted]
To: Eunah Regina Cho <eecho@ucdavis.edu>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>, Matthew Blake <mblake@ucdavis.edu>
Subject: FW: China to help ID unknown lethal viruses - Chinadaily.com.cn
Sent: Tue, 22 May 2018 21:20:43 +0000

Hi Eunah,

We have more tweet worthy content for GVP – it is a great article about GVP by the China Daily. Would you be able to tweet it?

Thank you,
[redacted]

From: Cara Chrisman [mailto:cchrisman@usaid.gov]
Sent: Tuesday, May 22, 2018 5:33 AM
To: Jonna Mazet <jkmazet@ucdavis.edu>; daszak@ecohealthalliance.org; nwolfe@metabiota.com; erubin@metabiota.com; watson@ecohealthalliance.org; [redacted]
Cc: Dennis Carroll <dcarroll@usaid.gov>
Subject: Fwd: China to help ID unknown lethal viruses - Chinadaily.com.cn

Hi All,

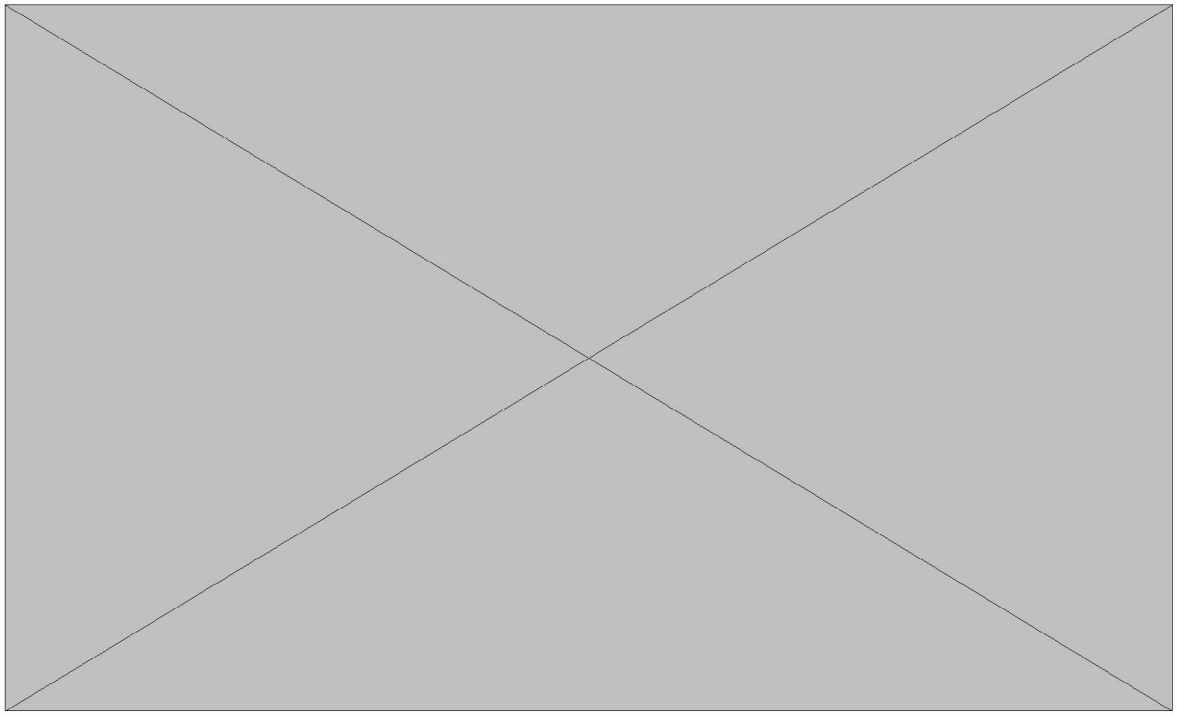
If you haven't seen it, the GVP & role of China is highlighted in the article below.

Best,
Cara

Sent from my iPhone
Begin forwarded message:

http://www.chinadaily.com.cn/a/201805/22/WS5b035506a3103f6866ee9b83.html

China to help ID unknown lethal viruses



Quarantine workers at Qingdao airport in Shandong province test samples for the Ebola virus on Aug 11, 2014.[Xie Hao/For China Daily]

Global effort aims to find disease vectors that can jump from animals to humans

China will help lead a project to identify unknown viruses from wildlife to better prepare humans for major epidemics – if not global pandemics. The project is to be launched this year, according to one of the country's top health officials.

The Global Virome Project will start in China and Thailand with field work to collect samples from wild animals and analyze the viruses detected, said Gao Fu, head of the Chinese Center for Disease Control and Prevention.

"Scientists will collect virus samples from animals such as bats and rats for study using techniques like next generation (DNA) sequencing to find whether new viruses exist," he said.

The project, estimated to cost up to $1.2 billion, is expected to take 10 years and involves many countries including the United States, Brazil and Nigeria.

Through more intensive and extensive study of viruses from animals that could infect humans, it may be possible to deal with viruses using preemptive controls and prevention instead of passive, reactive measures, Gao said.

"We all know there are almost certainly new viruses that could

cause the next global pandemic, but based on the existing early warning capacity for diseases, we do not know, for example, which virus will cause an epidemic," Gao said.

"We are sure that new virus strains will appear in the future along with changes in our ecology, environment and human behaviors."

For instance, humans' abuse of antibiotics has lead to the potential development of superbugs.

"There are many viruses living in wild animals, so we can identify viruses and thoroughly study those that could pass to humans," Gao said. "Ideally we can develop vaccines and a diagnosis for such viruses even before they cause human epidemics."

It is known that 263 viruses can infect humans, but scientists estimate there may be more than half a million viruses that live in birds and mammals and that are unknown to humans that may be capable of infecting humans, and they are the primary subject of the project's research, Gao said.

Even if a large number of such unknown viruses are identified, it is possible that just a small fraction of them have the ability to cause major epidemics that cause human deaths, he said.

However, considering the huge cost of a major epidemic like SARS to human health and economies, the findings of the project still have the potential to greatly reduce losses through improved early diagnosis and identification of hosts vulnerable to a new virus after an outbreak, according to Gao.

A similar project carried out by the US Agency for International Development proved the feasibility of the Global Virome Project and provides helpful experience, he said.

The USAID project, known as Predict and launched in 2009, with China a participant, led to findings of more than 1,000 viruses previously unknown to humans. The project cost was over $170 million, he said.

Some of the technologies used for that project have proved reliable and economically affordable and can be used for the Global Virome Project, Gao said.

Sent from my iPhone

From:	Tammie O'Rourke <torourke@metabiota.com>
To:	Jonna Mazet <jkmazet@ucdavis.edu>
CC:	Eddy Rubin <erubin@metabiota.com>;Karen Saylors <ksaylors@metabiota.com>;Predict inbox <predict@ucdavis.edu>
Sent:	7/13/2018 6:58:49 PM
Subject:	Re: Data post PREDICT and labs

Thank-you Jonna. I did indeed add this to the IM workplan.
Tammie

On Thu, Jul 12, 2018 at 1:41 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:
Thanks for the information and questions. We didn't specifically address them on EB call, but they will need to go into this year's workplan. Hopefully, Tammie already did that for the IM section, but we will double check.

On Mon, Jul 9, 2018 at 12:31 PM, Eddy Rubin <erubin@metabiota.com> wrote:

Hi Jonna,

First of all hope that you are having a good summer so far.

Attached is a document that Tammie put together concerning options for maintenance of PREDICT data after PREDICT 2 ends. We can discuss this on the call we have scheduled for this Wednesday morning.

Some of Tammie's questions about the conclusion of PREDICT 2 include:

- how long will we be accepting data from the countries? End of PREDICT or hard deadline?
- how long will we be producing government reports?
- We expect that there will be some data cleaning efforts, would that be after all data is in
- Does the Geneious server needs to be kept active beyond the end of the project?

Best

Eddy and Karen

ps On a separate but related topic I sent the description of a GVP data platform to the GVP core group a while back. It could be used to as the GVP contemplates beginning generating data China and Thailand. "Working with the EIDITH Team we have developed the attached high-level description of a GVP information management system (GIMS). GIMS is based on what has already been developed for EIDITH and is to provide the members of the Global Virome Project as a starting point a safe and secure way to store and share data generated by GVP surveillance and lab activities. GIMS would provide a data warehouse to store the data and would include 5 main functions: account creation and maintenance, data entry & upload, data extracts & reporting, and data sharing. Within this document is a description of the a GVP Lab Module. Also attached is a data dictionary that includes potential data fields for inclusion. While this was shaped generically it could be targeted toward the specific needs and interactions with initial countries such as Thailand and China. (FYI, I have also attached budget information that was developed and shared a while back to support getting started with development and implementation of the described systems.)

Any input/ suggestions appreciated"

Best,

Eddy

--

Tammie O'Rourke

Metabiota

Senior Information Management Developer

Emerging Pandemic Threats - PREDICT Program

tel +1-250-618-2460 · *skype* tammie.orourke · *www.eidith.org*

URL: www.metabiota.com

From: David J Wolking <djwolking@ucdavis.edu>
To: Clements, Andrew (GH/HIDN) <AClements@usaid.gov>;PREDICTMGT <predictmgt@usaid.gov>
CC: predict@ucdavis.edu <predict@ucdavis.edu>
Sent: 7/24/2018 11:05:19 PM
Subject: [predict] Fwd: Request a draft of P2 Loas Y5 workplan

Hi Andrew,

Just FYI on workplan discussions/communications between our team in Laos and RDMA.

David

---------- Forwarded message ---------
From: **David McIver** <dmciver@metabiota.com>
Date: Tue, Jul 24, 2018 at 3:09 PM
Subject: Re: Request a draft of P2 Loas Y5 workplan
To: Anchalee Jatapai <ajatapai@usaid.gov>
Cc: dschar@usaid.gov <dschar@usaid.gov>, Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>, Kongchay Vongsaiya <kvongsaiya@usaid.gov>, Soubanh Silithammavong <ssilithammavong@metabiota.com>, David J Wolking <djwolking@ucdavis.edu>, Beth Edison <bedison@metabiota.com>

Hi Anchalee,

The PREDICT2 Year 5 workplans have been shared with UC Davis and will soon be sent to the AOR (Andrew Clements) for final approval. We have been instructed that this is the direction in which USAID preferred to handle the work plan submission and approvals. With that being said, we would be more than happy to set up a meeting to discuss plans for year 5, and do our best to incorporate any suggestions.

Will anyone from RDMA be in Vientiane in the near future? If so, Ko would easily be able to sit down and have a discussion about the plan that we have submitted. Or, we could have a phone call if that works better.

Thanks very much,
Dave

David McIver, PhD
Epidemiologist
Metabiota

e: dmciver@metabiota.com
c: +1 778-269-2965

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On Jul 24, 2018, at 2:26 AM, Soubanh Silithammavong <ssilithammavong@metabiota.com> wrote:

Dear Khun Anchalee,

Thanks for your email we will get back to you by tomorrow.

Regards,
Ko

On Tue, Jul 24, 2018 at 10:10 AM, Anchalee Jatapai <ajatapai@usaid.gov> wrote:
Hi Ko,

Good morning from RDMA.

I hope you and Metabiota team have completed a draft of P2 Loas Y5 workplan, so I would like to request a draft version for RDMA review process. We had got these drafts from China and Thailand, and waiting from yours.

Is it possible to send us before this Thursday because we will be in field visit on next week?

Thank you for your assistant and hope to get from you soon.

Best,

Anchalee

ajatapai@usaid.gov

From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Sent: 8/8/2018 11:50:53 PM
Subject: Re: For JM Review: Y5 PREDICT Budget

Thanks,
J

On Wed, Aug 8, 2018 at 3:24 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Jonna. In reviewing EHA Global budget for Y4 and for Y5 (see detail attached), I found that the primary reasons for the increase from last year are additional personnel costs ($220K), All Country meeting travel for EHA folks ($69K), and acquisition of AMR datasets ($50K). Everyone got a 5% increase from Y4, and LOE for Carlos and Allison White went up significantly from last year. Peter's LOE didn't change, but his compensation increased by 24% from last year.

David doesn't think the AMR datasets acquisition relates to anything in the Global workplan, so that is likely an easy cut unless you think otherwise.

Thanks,

Liz

Elizabeth Leasure

Financial Operations Manager

One Health Institute

530-304-1403 (cell)

530-754-9034 (office)

Skype: ealeasure

From: predict-request@ucdavis.edu <predict-request@ucdavis.edu> **On Behalf Of** Elizabeth Leasure
Sent: Tuesday, August 7, 2018 7:35 PM
To: Jonna Mazet <jkmazet@ucdavis.edu>
Cc: David John Wolking <djwolking@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>; predict@ucdavis.edu; Matthew Blake <mblake@ucdavis.edu>
Subject: [predict] For JM Review: Y5 PREDICT Budget

Hi Jonna. A draft of the Y5 budget and an updated GHSA budget picture workbook are attached and on Box (see link below) ready for your review. Partner-specific budgets for EHA, Metabiota, WCS, and SI are also on Box in separate folders along with other pertinent informational files, such as a Y4/Y5 comparison by country (for EHA and MB only), responses to questions and clarifications, etc. Right now the budget is setup to include projected carryover, which I think is the easiest way to structure it so it best aligns with the workplan and facilitates a quick and easy review. Given that carryover is integral to our Y5 budget, I think it would be

in our best interest to include the carryover (clearly identified) in the budget we provide to Andrew. I will, of course, do whatever you think best, so please let me know your thoughts on the matter after you have had a chance to review the budget in its current form.

https://ucdavis.box.com/s/hijfmw68g7lauwh8i3hta3pvibc6705b

Please note that I have not yet had a chance to finish my LOP review of cost share targets by partner, so there is currently no target for cost share included in the Y5 budget draft. The proposed cost share commitments are included in the budget, but I haven't yet confirmed that each partner's Y5 commitment gets them where we need them to be relative to previous years' commitments. I'll work on this tomorrow and let you know if there are any issues with the current amounts budgeted.

Some key points to keep in mind as you review:

· When asked to cut the CDI and Liberia budgets, EHA requested to reduce their Global costs by the same amount in order to keep their CDI and Liberia budgets as high as possible. I went ahead and allowed them to do it, as I felt that not to do so would be going against the guidance we have consistently given them (and others) to keep Global costs low and focus on in-country needs. As a result, the CDI and Liberia budgets are higher than the figures we used when developing the revised caps. I've already advised them that additional changes may be needed after then next phase of review, so they are prepared to be asked to revise, as needed.

· When reviewing the Y4/Y5 comparison for EHA, you will see that their Global budget has increased by $460K from last year. My suggestion is to ask them to cut their Global budget back down to their Y4 figure (or close to it) and put that money towards UCD Dx, which is currently only budgeted at $545K.

· There are several EHA countries (China and Jon's countries primarily) where EHA is budgeting for continued sampling in Y5. I advised them that it was my understanding that sampling should be concluded by the end of Y4, but that they could provide additional justification to have these costs/activities considered for Y5, as I didn't feel it was my place to make that decision. So, in the EHA-specific budget workbook, you will see text boxes in some countries that include the additional justification provided by EHA.

· Dx needs for Y5 (and covered only by core funds) include:

  o Testing of 300 extracted human and 100 raw wildlife samples to be shipped to UCD from Rwanda plus sequencing of PCR products (estimated at $15K)

  o Testing of 1,000 samples from DRC (estimated at $29K)

  o Purchase of testing/lab supplies for Ethiopia ($65K).

  o Cloning and sequencing for Nepal samples are to be done at UCD, but I don't have a number of samples or an approximate cost yet. I spoke with Tracey today, but she wasn't able to provide any additional information on the estimated cost for this.

  o Testing costs for Guinea and Sierra Leone, which are not included in the VHF or UNIMAK budgets. Total number of samples left to collect in Y4/test in Y5 not yet know. I asked Tracey, but she indicated she needs to follow up with Brian and Corina on this.

· Brian also indicated that the UNIMAK budget could potentially be trimmed back if needed, as he budgeted for UNIMAK irrespective of the DARPA award that will start 10/1/18. Some current staff/other

costs will be moved to DARPA once the subaward is in place, so those freed up funds could be reallocated to other countries or testing, as needed.

· Note that the PREDICT LOEs budgeted for me, Brian, and David account for our budgeted time on DARPA starting 10/1. I noted this in the budget workbook on the UCD Personnel tab for your reference.

I think I have covered the key points above, but let me know if you have any questions. Happy reviewing!

Thanks,

Liz

Elizabeth Leasure

Financial Operations Manager

One Health Institute

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530-754-9034 (office)

Skype: ealeasure

From:	Andrew Clements <aclements@usaid.gov>
To:	Katherine Leasure <kaleasure@ucdavis.edu>
CC:	PREDICTMGT <predictmgt@usaid.gov>;Predict inbox <predict@ucdavis.edu>;Jonna Mazet <jkmazet@ucdavis.edu>
Sent:	8/23/2018 8:18:17 AM
Subject:	Re: PREDICT International Travel Requests

USA travel approved.

China travel approved subject to mission concurrence.

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Aug 23, 2018, at 2:49 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Please find below international travel requests for your review and approval. My apologies for the late submission of the ITA for Dr. Belkhiria; there were some visa questions related to his travel that we were only recently able to resolve. Please let me know if you have any questions. Thanks!

1. Belkhiria (USA): $1100 airfare /$119 (Davis) max daily per diem
2. Daszak (China): $7115 airfare **business class required due to* REDACTED /$377 (Beijing) max daily per diem
3. Fine (USA): $1700 airfare/$364 (New York) max daily per diem

Travel Requests –

1. UC Davis would like to request travel approval for Dr. Jaber Belkhiria to travel from Tunis, Tunisia to Davis, California, USA from September 5 to October 17, 2018 for meetings with the PREDICT team members at UC Davis.

Trip Purpose: Dr. Belkhiria will meet with the OHI PREDICT team members to coordinate Y5 PREDICT activities and discuss collaborative findings and potential scientific manuscripts.

2. EcoHealth Alliance would like to request travel approval for Dr. Peter Daszak to travel from Newark, New Jersey, USA to Beijing, China from September 16-20, 2018 to attend and speak at the World Conference on Science Literacy and meet with faculty at China CDC, including Director General George Gao.

Trip purpose: From September 17-19, 2018, Dr. Daszak will attend the World Conference on Science Literacy in Beijing, China. On September 18, 2018, he will give a 30 minute talk on science literacy and sustainable development of public health. While in Beijing, Dr. Daszak will meet with Dr. George Gao, a steering committee member of the Global Virome Project, to continue discussions on the GVP effort in China.

3. Wildlife Conservation Society would like to request travel approval for Amanda Fine to travel from Hanoi, Viet Nam to New York, New York, USA for one working week (10 days total with travel time), to attend the PREDICT-2 Consortium Partners meeting that will be held New York November 6-7, 2018.

Trip purpose: Amanda Fine will be representing WCS at the PREDICT Consortium meeting and contributing, with other colleagues, to the sessions and discussions. WCS is hosting the November PREDICT-2 Consortium meeting and Amanda Fine will be assisting with meeting preparations and follow-up activities. Amanda Fine will meet with WCS PREDICT-2 colleagues November 8-9 for detailed planning of PREDICT-2 project wrap-up in Viet Nam and Mongolia, completion of Year 5 activities, and preparation of data for PREDICT-2

analyses and publications.

Katherine Leasure
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu

--
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From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
CC: Hannah R Chale <hrchale@ucdavis.edu>;predict@ucdavis.edu <predict@ucdavis.edu>
Sent: 8/31/2018 9:06:55 PM
Subject: Re: Benefit-cost analysis of the Global Virome Project

ThNks for exploring — either mechanism will probably be fine. Cool to figure out the IOC, though.
Have a good weekend,
J

On Fri, Aug 31, 2018 at 1:59 PM Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Jonna. We'll need to setup a multi-campus agreement (which would require AOR approval) to transfer funds to UCSF. A basic interlocation fund transfer cannot be used with Extramural funds, unfortunately. Only Andrew would need to approve, so we could most likely turn it around quickly if we have to. With an MCA, UCD will not take any indirects on the first $25K, but UCSF will be able to bill full indirects at their negotiated rate.

Another possibility is an Intercampus Order/Charge (IOC) document to reimburse UCSF for costs incurred, which would require UCSF to basically "invoice" us monthly or semi-monthly for payment. I've only used this type of document for supplies and travel previously, so I'll need to confirm whether or not this document can be used for payroll costs. I don't see anything indicating using an IOC to reimburse payroll costs is restricted, but it's probably best to confirm. I'll also need to confirm with Nikki whether or not there are any restrictions on the use of a sponsored account an IOC document. With this mechanism, UCD will take full indirects on all reimbursed costs, but UCSF will not be able to claim any.

We can discuss more next week, and hopefully I'll have more information at that point. Have a great weekend!

Thanks,

Liz

Elizabeth Leasure

Financial Operations Manager

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From: Jonna Mazet <jkmazet@ucdavis.edu>
Sent: Thursday, August 30, 2018 10:57 AM
To: Dean Jamison <djamison@uw.edu>; Boyle, Colin <Colin.Boyle@ucsf.edu>
Cc: Matthew.Greenway@ucsf.edu; Ben Oppenheim <boppenheim@metabiota.com>; nmadhav@metabiota.com; Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Subject: Re: Benefit-cost analysis of the Global Virome Project

Thanks to you both. That all makes sense to me. Only potential change is adding a bit of budget for one or two trips or parts of trips to China, per our other email chain, Dean.

I am looping in Liz Leasure, who is our financial and contractural guru here. She is aware of the general idea, but I will also get with her to solidify mechanisms from our end. We will likely just need a paragraph or so describing the scope of work that we can get from Ben and Nita, as well as a budget for salary and travel. Should be super straight forward.

Have a nice day,

Jonna

On Wed, Aug 29, 2018 at 3:09 PM Dean Jamison <djamison@uw.edu> wrote:

Thanks, Colin

Jonna, what I have been thinking about — but this could certainly change as you develop budget with Ben and Nita — is about 2 days per month for 12 months or 10% time. I would see a little over half of this in SF with 1 trip to NY and/or DC. The rest would be at home. It would probably be simplest for Matt to manage my travel at UCSF. For initial budgeting I would think of 8 round trips, Palm Springs - SF and one rt PS to DC. 2 nights each for the SF travel and 3 nights for DC. Maybe Matt and one of your staff could develop a budget and agreement on that basis but we could slot different numbers in before finalizing if that seems to make sense?

Copying Ben and Nita for their views on whether this seems about right, too much or enough.

Best

Dean

> On Aug 29, 2018, at 1:50 PM, Boyle, Colin <Colin.Boyle@ucsf.edu> wrote:
>
> Thanks Dean and congratulations on this opportunity. It does sound exciting. I do think we can make something like this happen - if you provide the information to Matt, we can sort out how to get things set up on this end.
>
> Many thanks
>
> Colin
>
> -----Original Message-----
> From: Dean Jamison <djamison@uw.edu>
> Sent: Tuesday, August 28, 2018 1:33 PM
> To: Boyle, Colin <Colin.Boyle@ucsf.edu>
> Cc: Sepulveda, Jaime <Jaime.Sepulveda@ucsf.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Greenway, Matthew <Matthew.Greenway@ucsf.edu>
> Subject: Benefit-cost analysis of the Global Virome Project
>
> Dear Colin
>
> Dennis Carrol at USAID is commissioning a BCA of the Global Virome Project. This will be funded through USAID PREDICT at Jonna's institute at UCD. I will be involved on the economics side. Several staff of Metabiota who were responsible for the DCP3 pandemics chapter will be involved on the modeling side. There will be others (although the project is modest) involved on the scientific side, hopefully including Jonna, which would be particularly convenient in light of of her forthcoming sabbatical with IGHS.

>
> Jonna tells me that inter-campus funds transfer is relatively easy and that UCD could send the money to cover my involvement to UCSF. What I envision would be a funds transfer in two parts. One would cover XX% of my time from October through December. The other would cover YY% of my time from January 1 through September 31, 2019. I expect the money required for my travel on the project would also be transferred to UCSF.
>
> I assume an arrangement of this sort would work for IGHS? And that Matt would be the appropriate person to handle this on our end?
>
> We should explore whether there are potential synergies with other activities in IGHS.
>
> Best
>
> Dean

From: Andrew Clements <aclements@usaid.gov>
Sent: Wed, 22 May 2019 10:17:35 +0200
Subject: Re: PREDICT International Travel Requests
To: Katherine Leasure <kaleasure@ucdavis.edu>
Cc: PREDICTMGT <predictmgt@usaid.gov>, Jonna Mazet <Jkmazet@ucdavis.edu>, Predict inbox <predict@ucdavis.edu>

Travel to Australia and USA approved.

Travel to Ethiopia and Uganda approved subject to mission concurrence.

Andrew Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
E-mail: aclements@usaid.gov

For more information on USAID's Emerging Pandemic Threats program, see: http://www.usaid.gov/ept2

On Wed, May 22, 2019 at 2:02 AM Katherine Leasure <kaleasure@ucdavis.edu> wrote:

> *Please find below international travel requests for your review and approval. Please let me know if you have any questions. Thanks!*
>
> 1. Karesh, Machalaba, Carlin: $1500 airfare each (Economy)/$6500 airfare (Business)**business class required for Dr. Karesh due to* REDACTED $387 (Sydney) max daily per diem
> 2. Smith (Ethiopia, Uganda): $3500 airfare/$400 (Addis Ababa), $245 (Entebbe) max daily per diems
> 3. Fine (USA): $1700 airfare, $100 train fare/$241 (Philadelphia) max daily per diem **M&IE while traveling between Viet Nam and the USA estimated at $50/day X 2; total = $100.*
>
> Travel Requests –
>
> 1. EcoHealth Alliance would like to request travel approval for Dr. William Karesh and Ms. Catherine Machalaba, and Dr. Ellen Carlin to travel from New York, NY, USA to Sydney, Australia from June 16-22, 2019 to participate in the 2019 Global Health Security Conference.

Trip purpose: Participants will attend the inaugural Global Health Security conference which aims to bring together stakeholders working in global health security to measure progress, determine gaps, and identify new opportunities to enhance national, regional and global health security as well as provide a venue for government officials and International Organizations to share policy developments, hear from the research community, and create a space for side meetings that advance the health security agenda.

Each individual named above will be presenting. Dr. Karesh will present on "Integrating environment for global health security gains" to deliver findings of USAID EPT Programs of risk factors of disease emergence including existing gaps in developing countries policy framework. He will illustrate the One Health policy work generated by PREDICT 2, such as the One Health economic work.

Ms. Machalaba will present on "One Health economics to inform investments in zoonotic disease prevention and control" based on PREDICT 2 One Health economic work examining cost effectiveness of multi-sectoral strategies.

Dr. Carlin will present on an abstract co-authored by Dr. Dennis Carroll "Prevention through Recovery: Multisectoral Core Global Health Security Preparedness Needs", on findings of gaps in unmet core needs of global health security. The talk will highlight the importance of risk reduction in line with PREDICT 2. **A portion of Dr. Carlin's conference registration will be covered on other funds.*

> 2. UC Davis would like to request travel approval for Dr. Woutrina Smith to travel from Davis, California, USA to Addis Ababa, Ethiopia from July 20-24, 2019 and then on to Kampala, Uganda from July 24-26, 2019 for meetings and training with the PREDICT Ethiopia teams, as well as presenting PREDICT Project findings and perspectives at an invited EPT OHCEA plenary talk in Kampala on July 25, 2019.

Trip purpose: Dr. Smith is the PREDICT global Capacity Team and Ethiopia lead who works closely with country coordinators and

implementing teams on project planning. Her visit to Addis Ababa, Ethiopia will provide an opportunity to work with project teams on 2019 project wrap up tasks that maximize capacity strengthening activities in East Africa. In Kampala, Uganda, Dr. Smith will be speaking at the EPT annual One Health Central and Eastern Africa university network conference representing the PREDICT Project. **A portion of the Ethiopia trip will also be to work on USAID Livestock Systems Innovation Lab REACH project activities, so travel costs will split between the two projects for the Ethiopia portion*.

3. Wildlife Conservation Society would like to request travel approval for Amanda Fine to travel from Hanoi, Viet Nam to Pennsylvania, PA, USA, from July 21 to August 10, 2019 for Home Leave and meetings with PREDICT colleagues at the WCS Bronx Zoo headquarters.

Trip purpose: Amanda Fine will travel to Philadelphia, Pennsylvania from July 21 to August 10 for Home Leave, with travel to New York for meetings with PREDICT colleagues at the WCS Bronx Zoo headquarters from July 23-25, to finalize details of PREDICT project close out in Viet Nam and Mongolia, and progress PREDICT manuscripts.

--
Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

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From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Peter Daszak <daszak@ecohealthalliance.org>
CC: David Wolking <djwolking@ucdavis.edu>;Johnson Christine Kreuder (ckjohnson@ucdavis.edu) <ckjohnson@ucdavis.edu>;Robert Kessler <kessler@ecohealthalliance.org>;Eunah Regina Cho <eecho@ucdavis.edu>;Matt Blake <mblake@ucdavis.edu>
Sent: 9/3/2020 7:16:46 PM
Subject: Re: GVP & Predict twitter accounts both suspended right now.

----- Message truncated -----

From: "Katherine Leasure" <kaleasure@ucdavis.edu>
To: "'PREDICTMGT'" <predictmgt@usaid.gov>
Cc: "'Jonna Mazet'" <jkmazet@ucdavis.edu>, <predict@ucdavis.edu>
Sent: Mon, 1 May 2017 13:30:14 -0700
Subject: [predict] PREDICT International Travel Request - J. Ayukekbong to DRC May 18-30

Hi Andrew. Please find below an international travel request for your review and approval. Our apologies for the late submission of this request. The DRC Country Coordinator is recovering from illness and in need of additional support, as his Project Coordinator is going on leave for a month. Please let me know if you have any questions. Thanks!

1. Ayukekbong (DRC): $2,147 airfare/$394 (Kinshasa) max daily per diem

Travel Request:

1. Metabiota would like to request travel approval for Dr. James Ayukekbong, Central Africa Regional Coordinator, to travel from Nanaimo, British Columbia, Canada to Kinshasa, Democratic Republic of Congo from May 18-30, 2017 to provide support to the Country Coordinator while the Project Coordinator is on leave, and provide onsite assistance regarding the Metabiota sample and data quality risk and corrective action plan.

Trip purpose: Dr. Ayukekbong will provide support to Country Coordinator, Dr. Prime Mulembakani, while Project Coordinator, Dr. Placide Mbala, is on leave. Dr. Kamenga Asiley has been brought in to replace Dr. Mbala while he is on leave. Dr. Ayukekbong will provide orientation and intensive training to Dr. Asiley on his responsibilities and deliverables, and support the implementation of a supervision plan for Dr. Asiley. He will also provide onsite assistance regarding the Metabiota sample and data quality risk and corrective action plan.

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu

From: Andrew Clements <aclements@usaid.gov>
To: Jonna Mazet <jkmazet@ucdavis.edu>
CC: Alisa Pereira <apereira@usaid.gov>
Sent: 5/12/2017 8:27:12 PM
Subject: Re: Bullets on what assistance PREDICT can provide in DRC

Thanks, Jonna.

We don't have any specific ideas on what might be requested or expected. I agree with you that DRC generally knows what to do and only usually needs a little assistance, so I don't expect you will have to do much (if this behaves like a normal outbreak).

However, I'm not above using the urgency of the situation to our advantage regarding the country cap impasse.

Andrew

On Fri, May 12, 2017 at 9:38 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:
Hi Andrew,
On the call, after you dropped off I think, I mentioned that we are currently spending above the existing cap in DRC and that those need to be fixed ASAP, especially if USAID will be asking us to expend more funds on another outbreak. The proposed new caps are estimated based on normal operations, not outbreak surge numbers in a particular country. We have a small amount of room for things on the order of PPE, but caps will not be sufficient if we are asked to scale-up, as in the YF situation. I have no idea how to estimate that, without more information for caps. Country level caps make planning for outbreak responses impossible unless you allocate fresh money with a cap change each time. As it is now, our outbreak funds are estimated and distributed across country budgets and caps because we never know in what country they will need to be used.

On your other question re using outbreak reserve or regular budget, I have no idea what anyone is thinking/requesting in terms of assistance, so I will contact Angela. The only pseudo request we have is for PPE on hand, which can be covered in our normal budget. Dennis and Angela have asked for bullets on how we can assist, which I have sent out to the team for ideas. Do you all have more info than I regarding necessary/appropriate assistance? From working with DRC on multiple Ebola outbreaks. our experience has been that they have good plans in place, are capable of the diagnosis and control plans (as evidenced by current progress), and are proactive when it comes to reducing travel/transport to control spread. Our most current information is that there are/were 9 sick people 19 days ago. Do you know that this is still an ongoing and/or escalating situation? Prime is currently completing a meeting at MOH, so he will let us know what is reasonable to offer in support from his end, as well.

More soon, I'm sure,
Jonna

On Fri, May 12, 2017 at 11:17 AM, Andrew Clements <aclements@usaid.gov> wrote:
Related to this, do you have DRC Ebola budget to cover any assistance requested or will you need to dip into the regular budget outbreak reserve?

And BTW, I may have suggested to others today that your ability to respond may be compromised by the existing country caps. Are the previously submitted country caps adjustments still valid or do you need to make some additional revisions. I've been asked to submit the revised cap numbers. Thanks!

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 12, 2017, at 6:53 PM, Angela Wang <awang@usaid.gov> wrote:

Hi Jonna,

I wasn't in the meeting before but Dennis came to my cube and said you would be sending me some bullets of what assistance PREDICT is able to provide in DRC. Alisa mentioned the messaging from Dennis may have been hazy so I just wanted to follow up...

Thanks!
Angela

USAID
202-712-1070 571-213-3882
awang@usaid.gov

--

Andrew Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
E-mail: aclements@usaid.gov

For more information on USAID's Emerging Pandemic Threats program, see: http://www.usaid.gov/ept2

Sent: Mon, 15 May 2017 21:37:46 -0700
Subject: Re: Bullets on what assistance PREDICT can provide in DRC
From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Andrew Clements <aclements@usaid.gov>, Alisa Pereira <apereira@usaid.gov>

Confirmed appropriateness of caps if keeping most/all countries active, as discussed on call -- short version of implications of $4M out of $11.9M for EHP coming to you tomorrow.
Running out of steam for the day,
J

On Mon, May 15, 2017 at 1:11 PM, Andrew Clements <aclements@usaid.gov> wrote:

Thanks

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 13, 2017, at 11:22 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

I believe so, but I can't confirm with her until Monday. She's been out of the loop since mid-Thursday due to a REDACTED
J

On Saturday, May 13, 2017, Andrew Clements <aclements@usaid.gov> wrote:

Thanks. Will proceed with this information.

Does the latest expenditure report from Liz basically show that DRC has spent up to its current cap?

Andrew P. Clements, Ph.D.
Senior Scientific Adviser
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On May 12, 2017, at 11:29 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

My best call on this is to leave DRC at $6M. We estimated it at the top of the country caps. If we raise it again, we will have to decrease other country budgets with anticipated needs over the rest of the project. I would also find it reasonable to reduce CDI if there is an option to scale-out there. I didn't think that would be palatable, given in-country USAID staffing. I reduced that one already to just $1M over the rest of the life of the project. Going down much further would mean leaving.
Best fairly-uninformed guess for this outbreak is that we can handle minor activities within the proposed $6M cap, but I defer to your decision.
Fingers crossed,
J

On Fri, May 12, 2017 at 1:48 PM, Andrew Clements <aclements@usaid.gov> wrote:

Exactly, which is why I told people you may not be able to respond if asked because of the caps. A gentle reminder for them to do it. But the ball is back in our court because I need to provide them with budgets for current and future needs by country (for those countries where obligated funds are nearly expended). That's DRC for right now. I want to make sure we get the country cap information correct this time so we don't have to change it again.

On Fri, May 12, 2017 at 10:38 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Very true! -- just don't know if we can/should spend even more acceleratedly without a cap conversation, since the close to $1M YF DRC outbreak expenditure got us up to the cap. Not sure if there could now be an in-country expectation that we can foot a bill.
Have a nice weekend,
Jonna

On Fri, May 12, 2017 at 1:27 PM, Andrew Clements <aclements@usaid.gov> wrote:

Thanks, Jonna.

We don't have any specific ideas on what might be requested or expected. I agree with you that DRC generally knows what to do and only usually needs a little assistance, so I don't expect you will have to do much (if this behaves like a normal outbreak).

However, I'm not above using the urgency of the situation to our advantage regarding the country cap impasse.

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More soon, I'm sure,
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Andrew P. Clements, Ph.D.
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Thanks!
Angela

--
Angela Wang, MSPH
Public Health Advisor
Emerging Threats Division, Office of Infectious Disease
USAID/Washington, Bureau for Global Health
Phone: 202-712-1070 (O) | 571-213-3882 (C) | RRB-3.06.050
Email: awang@usaid.gov

--

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For more information on USAID's Emerging Pandemic Threats program, see: http://www.usaid.gov/ept2

From: Molly Turner <turner@ecohealthalliance.org>
Sent: Fri, 18 Aug 2017 21:14:13 -0400
Subject: Year 4 revised budget
To: Liz Leasure <ealeasure@ucdavis.edu>, David John Wolking <djwolking@ucdavis.edu>
Cc: "Dr. Jonna Mazet" <jkmazet@ucdavis.edu>, Predict inbox <predict@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Aleksei Chmura <chmura@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Ava Sullivan <sullivan@ecohealthalliance.org>
PREDICT-2 Budget_Year 4_draft_7-28-17_EHA_EHA revised_August 18 revision_final.xlsx

Hi Liz and David,

Thanks for all your comments and the quick chat today. Attached please find our revised Year 4 budget based on your feedback and below bullets on what we modified:

- EHA HQ costs were reduced by $193,529 (including salary, fringe, and indirect) by reducing time from Billy and Jon as well as our Modelling and Analytic Team (Kevin, Noam, and Anna's). Peter asked me to mention that he does not think this is ideal and he hopes this will not be a red flag for USAID, but we have done this specifically to reduce our Global and Administrative costs. He also wanted to assure you that all staff who have been reduced will remain engaged with PREDICT at the same level

- In-country testing budgets for RoC and CIV were increased by $193,529 (amount of HQ reduction) (note that only salary from Billy and Jon previously allocated to Ebola Money was used in CIV)

- Bangladesh hospitals have been reduced to only two and the funds allocated to diagnostic costs in RoC

- Core funds being rolled over from Year 3, totaling $232,194 are obligated to cover our sample testing costs in Bangladesh, China, and Egypt. These assays will be completed in Q1 of Year 4 ($62,071 of Year 3 GVP funds will go towards planned salary & travel in Year 4)

- We project a rollover of $804,193 in EHP funds. In terms of Year 3 costs, $160,000 is earmarked for the 1,850 Liberia samples that have just arrived at Simon's lab (that's $50/sample plus 60% overhead), and the rest will go to cover Year 4 costs

- IRB approval has already been obtained for India and will definitely be secured in Bangladesh before the start of Year 4
- RoC and Ivory Coast IRBs will be amended to transfer from Metabiota to EHA before Year 4 begins.

- Our team is developing the entry tool for the Malaysia human surveillance data, and the updated survey will be sent to CKJ next week.

Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

--
Molly Turner
Federal Grants Coordinator

EcoHealth Alliance
460 West 34th Street – 17th floor
New York, NY 10001

1.212.380.4461 (direct)
1.973.752.4627 (cell)
www.ecohealthalliance.org

EcoHealth Alliance leads cutting-edge scientific research into the critical connections between human and wildlife health and delicate ecosystems. With this science, we develop solutions that prevent pandemics and promote conservation.

	A	B	C	D
1	**PREDICT-2 Budget - Year 4**			
2	**Summary by Country & Fund Source**			
3		**USAID Core**	**USAID EBOLA**	**USAID GVP (Core)**
4				
5	Global	2,177,372	492,530	124,632
6	Administrative Management	432,428	64,165	146,338
7	***Asia***			
8	Bangladesh	781,616		
9	China	974,068		
10	India	825,927		
11	Indonesia	1,009,723		
12	Malaysia	792,972		
13	Thailand	626,877		
14	**Asia Subtotal**	***5,011,184***	**-**	**-**
15	***Middle East***			
16	Egypt	486,676		
17	Jordan	485,849		
18	**Middle East Subtotal**	***972,524***	**-**	**-**
19	***Africa***			
20	Cote d'Ivoire		634,598	
21	Liberia		1,858,801	
22	RoC	322,593		
23	**Africa Subtotal**	**322,593**	**2,493,398**	**-**
24				
25	**Total**	**8,916,100**	**3,050,094**	**270,969**
26				
27	**TOTAL USAID**	**$ 12,237,163**		
28	**TOTAL Cost Share**	**$ 297,450**		
29		**$ 12,534,614**		

	E	F
1		
2		
3	**Cost Share**	**TOTAL**
4		
5	-	2,794,534
6	67,918	710,848
7		
8	17,860	799,476
9	7,828	981,896
10	-	825,927
11	-	1,009,723
12	-	792,972
13	118,700	745,577
14	***144,388***	***5,155,572***
15		
16	45,145	531,821
17	-	485,849
18	***45,145***	***1,017,669***
19		
20	-	634,598
21	40,000	1,898,801
22	-	322,593
23	**40,000**	**2,855,991**
24		
25	**297,450**	**12,534,614**
26		
27		
28		
29		

	A	B
1	**PREDICT-2 Global Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	INSTITUTIONAL LEAD (Peter Daszak)	310,000
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR (Leilani Francisco)	164,800
8	EHA OUTBREAK LEAD (Jon Epstein)	155,000
9	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
10	DISEASE ECOLOGIST (Noam Ross)	83,210
11	DATA ANALYST (Carlos Zambrana-Torrelio)	102,900
12	SURVEILLANCE COORDINATOR (Melinda Rostal)	91,160
13	DATA ANALYST II (Christopher Allen)	105,000
14	LABORATORY ASSISTANT (Eliza Liang-Choi)	56,952
15	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	59,500
16	EHA OPERATIONS MANAGER (Evelyn Luciano)	139,920
17	PROGRAM COORDINATOR (Aleksei Chmura)	122,000
18	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba)	76,000
19	EHA OPERATIONS COORDINATOR (Molly Turner)	65,000
20	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	49,000
21	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
22	MODELING AND ANALYTICS SCIENTIST (Evan Eskew)	66,675
23	MODELING AND DATA ANALYTICS ASSISTANT (Anna Willoughby)	47,700
24	MODELING AND DATA ANALYTICS ASSISTANT II (Cale Basaraba)	58,300
25	RESEARCH ASSISTANT (Janice Liang)	42,400
26	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	60,000
27	MODELING AND ANALYTICS SCIENTIST/COUNTRY LIAISON, MALAYSIA (Allison White)	70,000
28	MODELING AND ANALYTICS SCIENTIST (Erica Johnson)	55,000
29	BEHAVIORAL RISK ASSISTANT I (TBN)	45,000
30	BEHAVIORAL RISK ASSISTANT II (TBN)	50,000
31	FIELD VETERINARIAN (Leticia Gutierrez)	76,000
32	ECONOMIST/ANALYST (Yasha Feferholtz)	80,483
33	SENIOR HEALTH AND POLICY SPECIALIST (Ellen Carlin)	135,000
34		
35	**Salaries Total**	
36		
37	**Fringe Benefits**	
38	INSTITUTIONAL LEAD (Peter Daszak)	97,030
39	EPT PARTNER LIAISON (Billy Karesh)	82,626
40	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR (Leilani Francisco)	51,582
41	EHA OUTBREAK LEAD (Jon Epstein)	48,515
42	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
43	DISEASE ECOLOGIST (Noam Ross)	26,045
44	DATA ANALYST (Carlos Zambrana-Torrelio)	32,208
45	SURVEILLANCE COORDINATOR (Melinda Rostal)	28,533

	A	B
46	DATA ANALYST II (Christopher Allen)	32,865
47	LABORATORY ASSISTANT (Eliza Liang-Choi)	17,826
48	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	18,624
49	EHA OPERATIONS MANAGER (Evelyn Luciano)	43,795
50	PROGRAM COORDINATOR (Aleksei Chmura)	38,186
51	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba)	23,788
52	EHA OPERATIONS COORDINATOR (Molly Turner)	20,345
53	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	15,337
54	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
55	MODELING AND ANALYTICS SCIENTIST (Evan Eskew)	20,869
56	MODELING AND DATA ANALYTICS ASSISTANT (Anna Willoughby)	14,930
57	MODELING AND DATA ANALYTICS ASSISTANT II (Cale Basaraba)	18,248
58	RESEARCH ASSISTANT (Janice Liang)	13,271
59	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	18,780
60	MODELING AND ANALYTICS SCIENTIST/COUNTRY LIAISON, MALAYSIA (Allison White)	21,910
61	MODELING AND ANALYTICS SCIENTIST (Erica Johnson)	17,215
62	BEHAVIORAL RISK ASSISTANT I (TBN)	14,085
63	BEHAVIORAL RISK ASSISTANT II (TBN)	15,650
64	FIELD VETERINARIAN (Leticia Gutierrez)	23,788
65	ECONOMIST/ANALYST (Yasha Feferholtz)	25,191
66	SENIOR HEALTH AND POLICY SPECIALIST (Ellen Carlin)	42,255
67	0	-
68	**Fringe Benefits Total**	
69		
70	**International Travel**	
71	INSTITUTIONAL LEAD (Peter Daszak) to TBD conference to present on PREDICT results or participate in panel	8,280
72	EPT PARTNER LIAISON (Billy Karesh) to USAID EPT Asia meeting	8,895
73	EPT PARTNER LIAISON (Billy Karesh) to FAO/OIE/WHO meetings, Paris, France (OIE); Rome (FAO); Geneva (WHO)	6,754
74	EPT PARTNER LIAISON (Billy Karesh) to USAID Regional, Africa	6,258
75	DATA ANALYST (Carlos Zambrana-Torrelio) to Rome, Italy for meetings with FAO	4,063
76	Other International Travel, including Planning and Outreach Meetings	5,182
77	**Total International Travel**	
78		
79	**Contractual**	
80		
81		
82	**Total Contractual**	
83	**Total Direct Costs**	
84	***Indirect Costs***	
85	***Indirect Costs on Contracts & Subagreements***	
86	**Total Costs**	
87		

	C	D	E	F	G
1					
2	**UNIT # / LOE %**	**USAID Core**	**USAID EBOLA**	**USAID GVP**	**Cost Share**
3					
4					
5	32%	45,632	29,760	23,808	
6	41%	64,939	43,293		
7	100%	107,120	57,680		
8	10%	13,950	1,550		
9	45%	63,000			
10	80%	66,568			
11	59%	46,747		13,964	
12	20%	16,409	1,823		
13	40%	42,000			
14	100%	51,257	5,695		
15	75%	29,006	15,619		
16	90%	113,335	12,593		
17	52%	57,096	6,344		
18	49%	37,240			
19	100%	48,750	16,250		
20	75%	33,075	3,675		
21	33%	22,110			
22	100%	66,675			
23	90%	42,930			
24	100%	58,300			
25	15%	5,724	636		
26	0%	-			
27	20%	14,000			
28	40%	22,000			
29	100%	29,250	15,750		
30	100%	32,500	17,500		
31	100%	38,000	38,000		
32	28%			22,535	
33	30%	40,500			
34		-			
35		**1,208,114**	**266,168**	**60,307**	-
36					
37	**31.30%**				
38	32%	15,525	8,383	7,141	
39	41%	22,020	11,857		
40	100%	33,529	18,054		
41	10%	2,426	2,426		
42	45%	19,719			
43	80%	20,836			
44	59%	14,632		4,371	
45	20%	5,136	571		

	C	D	E	F	G
46	40%	13,146			
47	100%	16,043	1,783		
48	75%	9,079	4,889		
49	90%	35,474	3,942		
50	52%	17,871	1,986		
51	49%	11,656			
52	100%	15,259	5,086		
53	75%	10,352	1,150		
54	33%	6,920			
55	100%	20,869			
56	90%	13,437			
57	100%	18,248			
58	15%	1,792	199		
59	80%	15,024			
60	20%	4,382			
61	40%	6,886			
62	100%	9,155	4,930		
63	100%	10,173	5,478		
64	100%	11,894	11,894		
65	28%			7,053	
66	30%	12,677			
67	0%	-			
68		**394,159**	**82,626**	**18,565**	**-**
69					
70					
71	1	8,280			
72	1	8,895			
73	5	21,951	11,820		
74	2		12,516		
75	2	8,126			
76	3			15,546	
77		**47,252**	**24,336**	**15,546**	**-**
78					
79					
80		-	-	-	
81		-	-	-	
82		-	-	-	-
83		**1,649,524**	**373,129**	**94,418**	**-**
84	***32.0%***	*527,848*	*119,401*	*30,214*	-
85	***32.0%***	-	-	-	
86		**2,177,372**	**492,530**	**124,632**	**-**
87					

	H
1	
2	**Year 4 Total**
3	
4	
5	**99,200**
6	**108,232**
7	**164,800**
8	**15,500**
9	**63,000**
10	**66,568**
11	**60,711**
12	**18,232**
13	**42,000**
14	**56,952**
15	**44,625**
16	**125,928**
17	**63,440**
18	**37,240**
19	**65,000**
20	**36,750**
21	**22,110**
22	**66,675**
23	**42,930**
24	**58,300**
25	**6,360**
26	**-**
27	**14,000**
28	**22,000**
29	**45,000**
30	**50,000**
31	**76,000**
32	**22,535**
33	**40,500**
34	**-**
35	**1,534,588**
36	
37	
38	**31,050**
39	**33,877**
40	**51,582**
41	**4,852**
42	**19,719**
43	**20,836**
44	**19,003**
45	**5,707**

	H
46	**13,146**
47	**17,826**
48	**13,968**
49	**39,415**
50	**19,857**
51	**11,656**
52	**20,345**
53	**11,503**
54	**6,920**
55	**20,869**
56	**13,437**
57	**18,248**
58	**1,991**
59	**15,024**
60	**4,382**
61	**6,886**
62	**14,085**
63	**15,650**
64	**23,788**
65	**7,053**
66	**12,677**
67	**-**
68	**495,350**
69	
70	
71	**8,280**
72	**8,895**
73	**33,770**
74	**12,516**
75	**8,126**
76	**15,546**
77	**87,133**
78	
79	
80	**-**
81	**-**
82	**-**
83	**2,117,071**
84	*677,463*
85	-
86	**2,794,534**
87	

	A	B
1	**PREDICT-2 Administrative Management Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	**Includes 5% increase from previous year*
5	PROGRAM ASSISTANT I (Alison Andre)	65,000
6	PROGRAM ASSISTANT II (Brian Baker)	44,520
7	PROGRAM ASSISTANT III (Amanda Andre)	49,000
8	PUBLIC OUTREACH COORDINATOR (Anthony Ramos)	131,250
9	FINANCE COORDINATOR II (Joseph Ricardi)	75,000
10	RESEARCH SCIENTIST (Brooke Watson)	65,000
11	**Salaries Total**	
12		
13	**Fringe Benefits**	
14	PROGRAM ASSISTANT I (Alison Andre)	20,345
15	PROGRAM ASSISTANT II (Brian Baker)	13,935
16	PROGRAM ASSISTANT III (Amanda Andre)	15,337
17	PUBLIC OUTREACH COORDINATOR (Anthony Ramos)	41,081
18	FINANCE COORDINATOR II (Joseph Ricardi)	23,475
19	RESEARCH SCIENTIST (Brooke Watson)	20,345
20	**Fringe Benefits Total**	
21		
22	**Domestic Travel**	
23	INSTITUTIONAL LEAD (Peter Daszak) to USAID meeting, Wash. DC; 4 trips	1,200
24	EPT PARTNER LIAISON (Billy Karesh) to USAID meeting, Wash. DC; 4 trips	1,200
25	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to USAID meeting, Wash. DC; 4 trips	1,200
26	INSTITUTIONAL LEAD (Peter Daszak) to IOM meeting, Wash. DC; 4 trips	1,200
27	EPT PARTNER LIAISON (Billy Karesh)to IOM or EBOLA meetings, Wash. DC	1,200
28	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to IOM meeting, Wash. DC	1,200
29	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival) to IOM meeting, Wash. DC	1,200
30	OUTBREAK COORDINATOR (Jon Epstein) to IOM meeting, Wash., DC	1,200
31	INSTITUTIONAL LEAD (Peter Daszak) to PREDICT Meeting at UCDavis; 1trip	1,734
32	EPT PARTNER LIAISON (Billy Karesh) to PREDICT Meeting at UCDavis; 1trip	1,734
33	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to PREDICT Meeting at UCDavis; 1trip	1,734
34	OUTBREAK COORDINATOR (Jon Epstein) to PREDICT Meeting at UCDavis; 1trip	1,734
35	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival) to PREDICT Meeting at UCDavis; 1trip	1,734
36	ASSISTANT BEHAVIORAL RISK & DATA ANALYST (Emily Hagan) to PREDICT Meeting at UCDavis; 1trip	1,734
37	DATA ANALYST (Carlos Zambrana-Torrelio) to PREDICT Meeting at UCDavis; 1trip	1,734
38	BEHAVIORAL RISK & DATA ANALYST (TBN) to PREDICT Meeting at UCDavis; 1trip	1,734
39	WILDLIFE TRADE SPECIALIST (Melinda Rostal) to PREDICT Meeting at UCDavis; 1trip	1,734

	A	B
40	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba) to APHA conference, Chicago, IL	1,150
41	Other Domestic Travel, including Planning and Outreach Meetings	1,752
42		
43		
44	**Total Domestic Travel**	
45		
46	**Supplies**	
47	Central Office Suplies (incl. reference materials)	1,313
48	Computer purchases, computer supplies, software purchases and licensing	17,589
49	Shipping (EHA)	5,250
50	Communications (cell phones, conference line, Skype, remote wireless internet)	2,800
51	Web and Data Hosting	438
52	EHA Field supplies	10,815
53	**Total Supplies**	
54		
55	**Other Costs**	
56	Web hosting costs for One Health web events	500
57	Recruiting	32,800
58	Publication Costs & Professional Memberships	51,000
59	Bank wire/transfer fees	5,000
60	Tuition reimbursement	26,500
61	**Total Other Costs**	
62	**Total Direct Costs**	
63	***Indirect Costs***	
64	**Total Costs**	

	C	D	E	F	G	H
1						
2	**UNIT # / LOE %**	**USAID Core**	**USAID EBOLA**	**USAID GVP**	**Cost Share**	**Year 4 Total**
3						
4						
5	55%	32,175	3,575			**35,750**
6	100%	40,068	4,452			**44,520**
7	28%	12,348	1,372			**13,720**
8	19%				24,938	**24,938**
9	19%				14,250	**14,250**
10	95%			61,750		**61,750**
11		**84,591**	**9,399**	**61,750**	**39,188**	**194,928**
12						
13	**31.30%**					
14	55%	10,071	1,119			**11,190**
15	100%	12,541	1,393			**13,935**
16	28%	3,865	429			**4,294**
17	19%				7,805	**7,805**
18	19%				4,460	**4,460**
19	95%			19,328		**19,328**
20		**26,477**	**2,942**	**19,328**	**12,266**	**61,012**
21						
22						
23	4	3,840	960			**4,800**
24	4	3,120	1,680			**4,800**
25	4	2,400	2,400			**4,800**
26	4	3,840	960			**4,800**
27	4	3,120	1,680			**4,800**
28	4	2,400	2,400			**4,800**
29	4	4,800				**4,800**
30	4	2,400	2,400			**4,800**
31	1	1,387	347			**1,734**
32	1	1,127	607			**1,734**
33	1	867	867			**1,734**
34	1	867	867			**1,734**
35	1	1,734				**1,734**
36	1	1,127	607			**1,734**
37	1	1,734				**1,734**
38	1	1,127	607			**1,734**
39	1	1,561	173			**1,734**

	C	D	E	F	G	H
40	1	1,150				**1,150**
41	17			29,784		**29,784**
42						**-**
43						-
44		**38,601**	**16,555**	**29,784**	**-**	**84,940**
45						
46						
47	12	14,180	1,576	-		**15,756**
48	1	15,830	1,759	-		**17,589**
49	1	4,725	525	-		**5,250**
50	12	30,240	3,360	-		**33,600**
51	12	4,730	526	-		**5,256**
52	1	9,734	1,082	-		**10,815**
53		**79,439**	**8,827**	**-**	**-**	**88,266**
54						
55						
56	1	500		-		**500**
57	1	29,520	3,280	-		**32,800**
58	1	45,900	5,100	-		**51,000**
59	1	4,500	500	-		**5,000**
60	1	23,850	2,650	-		**26,500**
61		**104,270**	**11,530**	**-**	**-**	**115,800**
62		**333,378**	**49,252**	**110,862**	**51,453**	**544,946**
63	***32.0%***	*99,049*	*14,913*	*35,476*	*16,465*	*165,903*
64		**432,428**	**64,165**	**146,338**	**67,918**	**710,848**

	A	B
1	**PREDICT-2 Bangladesh Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	59,500
6	EHA OUTBREAK LEAD (Jon Epstein)	152,250
7	SURVEILLANCE COORDINATOR (Melinda Rostal)	90,300
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	18,624
12	EHA OUTBREAK LEAD (Jon Epstein)	47,654
13	SURVEILLANCE COORDINATOR (Melinda Rostal)	28,264
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners (3 travelers)	4,704
18	Sampling trip (2 travelers)	9,401
19	**Total International Travel**	
20		
21	**Contractual**	
22	icddr,b subagreement (detail below)	
23	IEDCR subagreement (detail below)	
24	Columbia University subagreement (detail below)	
25	Ariful Islam (detail below)	
26	Faridpur Medical College (FMC) Hospital (detail below)	
27	Dhaka Medical Colege (DMC) Hospital (detail below)	
28	Dinajpur Medical College Hospital (detail below)	
29	Rajshahi Medical College Hospital(detail below)	
30	**Total Contractual**	
31		
32	**Supplies**	
33		
34		
35	**Total Supplies**	
36		
37	**Other Costs**	
38		
39	**Total Other Costs**	
40	**Total Direct Costs**	
41	***Indirect Costs***	***32.0%***
42	***Indirect Costs on Contracts & Subagreements***	***32.0%***
43	***EHA Global - see tab for details***	
44	**Total Costs**	

	A	B
45		
46	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to icddr,b**	
47	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
48		
49	**Salaries**	
50	Dr. Mustafizur Rahman; Scientist	32,188
51	Dr. Md. Enyaet Hossain	23,756
52	Dr. Mustafizur Rahman	41,283
53	Md. Tarikul Islam; Assistant Coordination Manager	17,306
54	Research Officer (FT)	8,334
55	Research Officer	5,436
56	Attendent (FT)	6,246
57	Director, Finance	17,550
58	Director, HR	20,250
59	**Salaries Total**	
60		
61	**International Travel**	
62		
63	**Total International Travel**	
64		
65	**Diagnostics**	
66	TriZOl (bulk)	5,000
67	Reagents for sample processing (cost per sample)	3
68	Nucleic acid extraction	7
69	cDNA preparation	8
70	PCR detection	3
71	Sequencing	10
72	Consumables (pipettes, test tubes)(bulk)	1
73	Barcoding, positive samples (additional extraction, PCR (1 test), and sequencing)	20
74	Barcoding, negative samples (PCR (1 test) and sequencing)	13
75	**Diagnostics Total**	
76		
77	**Other Costs**	
78	RT-PCR machine; BioRad CFX96 Touch usage	17,860
79		
80	**Total Other Costs**	
81	**Total Direct Costs**	
82	***icddr,b Indirect Costs***	
83	**Total Costs**	
84		
85	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to IEDCR**	
86	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
87		
88	**Salaries**	
89	Project Manager (Local PI) -Director IEDCR	35,000

	A	B
90	New Research Officer (Laboratory) - Dr. Josefina Abedin	15,780
91	Medical technologist	4,680
92	Field Anthropologist-Moshumi	9,360
93	Field Anthropologist-Shakil	9,360
94	New Field Vet (Epi) Dr. kaiser	15,780
95	Field Coordinator Epidemiology - Dr. Sharif	18,265
96	Senior Field Research Assistant- Mr. Mamun	6,253
97	**Salaries Total**	
98		
99	**Fringe Benefits**	
100	Project Manager (Local PI) -Director IEDCR	12,250
101	New Research Officer (Laboratory) - Dr. Josefina Abedin	5,523
102	Medical technologist	1,638
103	Field Anthropologist-Moshumi	3,276
104	Field Anthropologist-Shakil	3,276
105	New Field Vet (Epi) Dr. kaiser	5,523
106	Field Coordinator Epidemiology - Dr. Sharif	6,393
107	Senior Field Research Assistant- Mr. Mamun	2,189
108	**Fringe Benefits Total**	
109		
110	**Domestic Travel**	
111	Transportation (cost per trip)	1,450
112	Meal and accomodation (cost per trip)	1,200
113	**Total Domestic Travel**	
114		
115	**Diagnostics**	
116	Human sample testing (5 priority families)	74
117	Outbreak diagnostics	66
118	**Total Diagnostics**	
119		
120	**Supplies**	
121	Field supplies (PPE, syringes, etc.)	1,583
122		
123	**Total Supplies**	
124		
125	**Other Costs**	
126	Data translation and Transcription	10
127	Acknowledgements for human subject participants	20
128	Stakeholder coordination meeting	800
129	**Total Other Costs**	
130	**Total Direct Costs**	
131	***IEDCR Indirect Costs***	
132	**Total Costs**	
133		
134	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to Columbia University**	

	A	B
135	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
136		
137	**Salaries**	
138		
139		
140		
141		
142		
143	**Salaries Total**	
144		
145	**Fringe Benefits**	
146	0	-
147	0	-
148	0	-
149	0	-
150	0	-
151	**Fringe Benefits Total**	
152		
153	**Diagnostics**	
154		
155		
156		
157		
158		
159		
160		
161	**Total Diagnostics**	
162		
163	**Other costs**	
164		
165		
166		
167	**Total other costs**	
168	**Total Direct Costs**	
169	***Indirect costs***	
170	**Total Costs**	
171		
172	**PREDICT-2 Bangladesh Year 4 Budget - EHA contract to Ariful Islam (consultant)**	
173	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
174		
175	**Salaries**	
176	Program Coordinator Ariful Islam	61,425
177	Senior Field technician Pitu	4,875
178	Senior Field Technician Gafur	4,394

	A	B
179	Field technician Abdul Hai	4,225
180		
181	**Salaries Total**	
182		
183	**Fringe Benefits**	
184	Program Coordinator Ariful Islam	9,982
185	Insurance coverage for field team	570
186		
187	**Fringe Benefits Total**	
188		
189	**Domestic Travel**	
190	Official local transport/vehicle cost	890
191	Transport cost for field work, Macaque sampling (cost per trip)	1275
192	Meal, accomodation and other expenses, Macaque sampling (cost per trip)	995
193	Transport cost for field work, non-invasive macaque sampling (cost per trip)	690
194	Meal, accomodation and other expenses, non-invasive macaque sampling (cost per trip)	525
195	Transport cost for field work, bat and rodent sampling (cost per trip)	1276
196	Meal, accomodation and other expenses, bat and rodent sampling (cost per trip)	920
197	Per diem for forestry personnel (cost per trip)	475
198	**Total Domestic Travel**	
199		
200	**International Travel**	
201		
202	**Total International Travel**	
203		
204	**Supplies**	
205	Stationary and office supplies	250
206	Field expenses, outbreak response	5,000
207	Sampling consumables (pipettes, swabs, PPE), macaque sampling (cost per trip)	1,230
208	Sampling consumables, non-invasive macaque sampling (cost per trip)	825
209	Sampling consumables, bat and rodent sampling (cost per trip)	1,250
210	**Total Supplies**	
211		
212	**Other Costs**	
213	Wildlife AMR bacterial project work at CVASU and BLRI (culture and sensitvity experiments using fecal samples)	6,000
214	Office rent	325
215	Telephone, PREDICT calls, internet and mobile card (monthly)	450
216	Bank fees	1,404
217	**Total Other Costs**	
218	**Total Direct Costs**	
219	***No Indirect Costs***	
220	**Total Costs**	
221		
222	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement Faridpur Medical College (FMC) Hospital**	

	A	B
223	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
224		
225	**Salaries**	
226	Clinician	15,000
227	Phlebotomist or nurse	15,000
228	**Salaries Total**	
229	**Total Direct Costs**	
230	***Indirect Costs***	
231	**Total Costs**	
232		
233	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to Dhaka Medical Colege (DMC) Hospital**	
234	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
235		
236	**Salaries**	
237	Clinician	15,000
238	Phlebotomist or nurse	15,000
239	**Salaries Total**	
240	**Total Direct Costs**	
241	***Indirect Costs***	
242	**Total Costs**	
243		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	25%	14,875		**14,875**
6	10%	15,225		**15,225**
7	10%	9,030		**9,030**
8		**39,130**	**-**	**39,130**
9				
10	**31.30%**			
11	25%	4,656		**4,656**
12	10%	4,765		**4,765**
13	10%	2,826		**2,826**
14		**12,248**	**-**	**12,248**
15				
16				
17	3	14,112		**14,112**
18	2	18,802		**18,802**
19		**32,914**	**-**	**32,914**
20				
21				
22		148,481	17,860	**166,341**
23		223,372	-	**223,372**
24		-	-	-
25		188,185	-	**188,185**
26		18,975	-	**18,975**
27		18,975	-	**18,975**
28		-	-	-
29		-	-	-
30		**597,988**	**17,860**	**615,848**
31				
32				
33		-		-
34		-		-
35		-	-	-
36				
37				
38		-		-
39		-	-	-
40		**682,279**	**17,860**	**700,139**
41		*26,973*	-	*26,973*
42		*72,363*		*72,363*
43				-
44		**781,616**	**17,860**	**799,476**

	C	D	E	F
45				
46				
47	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
48				
49				
50	25%	8,047		**8,047**
51	25%	5,939		**5,939**
52	12%	4,954		**4,954**
53	16%	2,769		**2,769**
54	100%	8,334		**8,334**
55	100%	5,436		**5,436**
56	50%	3,123		**3,123**
57	2%	351		**351**
58	2%	405		**405**
59		**39,358**	**-**	**39,358**
60				
61				
62		-		**-**
63		**-**	**-**	**-**
64				
65				
66	1	5,000		**5,000**
67	2,400	7,500		**7,500**
68	2,400	17,500		**17,500**
69	2,400	18,000		**18,000**
70	12,000	30,000		**30,000**
71	300	3,000		**3,000**
72	2,400	2,500		**2,500**
73	300	5,938		**5,938**
74	495	6,188		**6,188**
75		**95,625**	**-**	**95,625**
76				
77				
78	1	-	17,860	**17,860**
79		-		**-**
80		**-**	**17,860**	**17,860**
81		**134,983**	**17,860**	**152,843**
82	**10.0%**	*13,498*	-	*13,498*
83		**148,481**	**17,860**	**166,341**
84				
85				
86	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
87				
88				
89	15%	5,250		**5,250**

	C	D	E	F
90	83%	13,097		**13,097**
91	83%	3,884		**3,884**
92	83%	7,769		**7,769**
93	83%	7,769		**7,769**
94	83%	13,097		**13,097**
95	100%	18,265		**18,265**
96	100%	6,253		**6,253**
97		**75,385**	-	**75,385**
98	**35.0%**			
99				
100	15%	1,838		**1,838**
101	83%	4,584		**4,584**
102	83%	1,360		**1,360**
103	83%	2,719		**2,719**
104	83%	2,719		**2,719**
105	83%	4,584		**4,584**
106	100%	6,393		**6,393**
107	100%	2,189		**2,189**
108		**26,385**	-	**26,385**
109				
110				
111	9	13,050		**13,050**
112	9	10,800		**10,800**
113		**23,850**	-	**23,850**
114				
115				
116	600	44,550		**44,550**
117	100	6,600		**6,600**
118		**51,150**	-	**51,150**
119				
120				
121	12	18,996		**18,996**
122		-		-
123		**18,996**	-	**18,996**
124				
125				
126	450	4,500		**4,500**
127	100	2,000		**2,000**
128	1	800		**800**
129		**7,300**	-	**7,300**
130		**203,065**	-	**203,065**
131	**10.0%**	*20,307*	-	*20,307*
132		**223,372**	-	**223,372**
133				
134				

	C	D	E	F
135	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
136				
137				
138		-		-
139		-		-
140		-		-
141		-		-
142		-		-
143		-	-	-
144	**28.2%**			
145				
146	0%	-		-
147	0%	-		-
148	0%	-		-
149	0%	-		-
150	0%	-		-
151		-	-	-
152				
153				
154		-		-
155		-		-
156		-		-
157		-		-
158		-		-
159		-		-
160		-		-
161		-	-	-
162				
163				
164		-		-
165		-		-
166		-		-
167		-	-	-
168		-	-	-
169	**60.0%**	-	-	-
170		-	-	-
171				
172				
173	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
174				
175				
176	100%	61,425		**61,425**
177	100%	4,875		**4,875**
178	100%	4,394		**4,394**

	C	D	E	F
179	100%	4,225		**4,225**
180		-		-
181		**74,919**	-	**74,919**
182	**16.25%**			
183				
184	100.0%	9,982		**9,982**
185	12	6,840		**6,840**
186		-		-
187		**16,822**	-	**16,822**
188				
189				
190	12	10,680		**10,680**
191	2	2,550		**2,550**
192	2	1,990		**1,990**
193	6	4,140		**4,140**
194	6	3,150		**3,150**
195	6	7,656		**7,656**
196	6	5,520		**5,520**
197	12	5,700		**5,700**
198		**41,386**	-	**41,386**
199				
200				
201		-		-
202		-	-	-
203				
204				
205	12	3,000		**3,000**
206	1	5,000		**5,000**
207	2	2,460		**2,460**
208	6	4,950		**4,950**
209	6	7,500		**7,500**
210		**22,910**	-	**22,910**
211				
212				
213	1	6,000		**6,000**
214	12	3,900		**3,900**
215	12	5,400		**5,400**
216	12	16,848		**16,848**
217		**32,148**	-	**32,148**
218		**188,185**	-	**188,185**
219	**0.0%**	-	-	-
220		**188,185**	-	**188,185**
221				
222				

	C	D	E	F
223	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
224				
225				
226	15%	2,250		**2,250**
227	100%	15,000		**15,000**
228		**17,250**	**-**	**17,250**
229		**17,250**	**-**	17,250
230	***10.0%***	*1,725*	-	1,725
231		**18,975**	**-**	**18,975**
232				
233				
234	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
235				
236				
237	15%	2,250		**2,250**
238	100%	15,000		**15,000**
239		**17,250**	**-**	**17,250**
240		**17,250**	**-**	17,250
241	***10.0%***	*1,725*	-	1,725
242		**18,975**	-	**18,975**
243				

	A	B
1	**PREDICT-2 China Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	CHINA COUNTRY LIAISON (TBN)	50,000
6	INSTITUTIONAL LEAD (Peter Daszak)	310,000
7	PROGRAM COORDINATOR (Aleksei Chmura)	122,000
8	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	60,000
9	**Salaries Total**	
10		
11	**Fringe Benefits**	
12	CHINA COUNTRY LIAISON (TBN)	15,650
13	INSTITUTIONAL LEAD (Peter Daszak)	97,030
14	PROGRAM COORDINATOR (Aleksei Chmura)	38,186
15	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	18,780
16	**Fringe Benefits Total**	
17		
18	**International Travel**	
19	Scoping visit/meetings with in-country partners	4,039
20	Sampling trip	10,165
21		
22		
23	**Total International Travel**	
24		
25	**Contractual**	
26	Institute of Microbiology, Chinese Academy of Sciences (detail below)	
27	Wuhan Institute of Virology subagreement (detail below)	
28	Guangdong School of Public Health (detail below)	
29	Yunnan Institute of Endemic Diseases Control and Prevention (detail below)	
30	Institute of Pathogen Biology, Chinese Academy of Medical Sciences (detail below)	
31	GuangJian Zhu (field technician/coordinator)(includes stipend, field supplies, travel costs)	235,000
32	**Total Contractual**	
33		
34	**Supplies**	
35		
36		
37	**Total Supplies**	
38	**Total Direct Costs**	
39	***Indirect Costs***	
40	***Indirect Costs on Contracts & Subagreements***	
41	***EHA Global - see tab for details***	
42	**Total Costs**	

	A	B
43		
44	**PREDICT-2 China Year 4 Budget - EHA subagreement to Institute of Microbiology, Chinese Academy of Sciences**	
45	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
46		
47	**Salaries**	
48	Dr. Yueying Jiao (full time)	19,697
49	Lab technician (TBN)	8,182
50	Lab technician II (TBN)	8,182
51	**Salaries Total**	
52		
53	**Domestic Travel**	
54		
55		
56	**Total Domestic Travel**	
57		
58	**Diagnostics**	
59	Direct-zol™ RNA MiniPrep (cost per reaction)	38
60	SUPERSCRIPT III REV TRANSCRIPT 10,000 UN (50 reactions)	21,641
61	dNTP Mix, 10 mM each (4*0.25ml)	278
62	Recombinant RNase Inhibitor(125ul/5000U)	855
63	PLATINUM TAQ DNA POLYMERASE (250*25ul reactions)	2,245
64	Random primer (100 reactions)	273
65	Primer synthesis (bp)	303
66	**Total Diagnostics**	
67		
68	**Supplies**	
69	Lab consumable (i.e. pipette and tubes)	7,576
70	Other reagents	1,515
71	**Total Supplies**	
72	**Total Direct Costs**	
73	***Indirect Costs***	
74	**Total Costs**	
75		
76	**PREDICT-2 China Year 4 Budget - EHA subagreement to Wuhan Institute of Virology**	
77	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
78		
79	**Salaries**	
80	Project Coordinator -- lab, Z.SHI (WIV)	85,000
81	Technician I	24,000
82	Technician II	24,000
83	Research Assistant I	24,000
84	Research Assistant II	24,000
85	**Salaries Total**	

	A	B
86		
87	**Domestic Travel**	
88	Travel to meetings within China	1,798
89		
90	**Total Domestic Travel**	
91		
92	**International Travel**	
93	Regional EPT meeting	1,000
94	**Total International Travel**	
95		
96	**Diagnostics**	
97	Cost per sample for extraction (2 samples per human and non-human animal)	6
98	Cost per sample for RT-PCR assays for all 5 viral families	31
99	Sequencing (assuming 10% positive)	2
100	Serology (Human Samples only) - ELISA (for each viral family)	8
101	Next Generation Sequencing	299
102		
103	**Total Diagnostics**	
104		
105	**Supplies**	
106		
107		
108	**Total Supplies**	
109		
110	**Other Costs**	
111	Freezer storage	1,223
112	**Total Other Costs**	
113	**Total Direct Costs**	
114	***Indirect Costs***	
115	**Total Costs**	
116		
117	**PREDICT-2 China Year 4 Budget - EHA subagreement to Guangdong Institute of Public Health**	
118	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
119		
120	**Salaries**	
121	Laboratory Technician	21,600
122	Behavioral Coordinator	21,600
123		
124	**Salaries Total**	
125		
126	**Domestic Travel**	
127	Field Travel (intra-Guangdong) ($400/day)	400
128	Field Travel (intra-Guangdong) ($400/day)	400
129	**Total Domestic Travel**	

	A	B
130		
131	**International Travel**	
132	Travel to an international meeting for the Lab Tech or Behavioral Coordinator	3,500
133	**Total International Travel**	
134		
135	**Diagnostics**	
136	PREDICT reagents and consumables	12
137	Sequencing	15
138		
139	**Total Diagnostics**	
140		
141	**Supplies**	
142	Biological sample collection supplies	5
143	Behavioral sample collection supplies	3
144	**Total Supplies**	
145		
146	**Other Costs**	
147		
148		
149		
150		
151		
152	**Total Other Costs**	
153	**Total Direct Costs**	
154	***Indirect Costs***	
155	**Total Costs**	
156		
157	**PREDICT-2 China Year 4 Budget - EHA subagreement to Yunnan Institute of Endemic Diseases Control and Prevention**	
158	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
159		
160	**Stipends**	
161	Graduate student I (stipend, 3 field trips)	580
162	Graduate student II (stipend, 3 field trips)	580
163	Graduate student III (stipend, 3 field trips)	580
164	Graduate student IV (stipend, 3 field trips)	580
165	Graduate student V (stipend, 3 field trips)	580
166	Local guide (stipend, 3 field trips)	435
167		
168	**Total Stipends**	
169		
170	**Equipment**	
171		
172		
173	**Total Equipment**	

	A	B
174	**Total Direct Costs**	
175	***Indirect Costs***	
176	**Total Costs**	
177		
178	**PREDICT-2 China Year 4 Budget - EHA subagreement to Institute of Pathogen Biology, Chinese Academy of Sciences**	
179	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
180		
181	**Salaries**	
182	Dr. Zhiqiang Wu	19,697
183	Lab Technician I (TBN)	8,182
184	Lab Technician II (TBN)	8,182
185		
186	**Salaries Total**	
187		
188	**Domestic Travel**	
189		
190		
191	**Total Domestic Travel**	
192		
193	**Diagnostics**	
194	Direct-zol™ RNA MiniPrep (200 reactions)	7,661
195	SUPERSCRIPT III REV TRANSCRIPT 10,000 UN (50 reactions)	21,641
196	dNTP Mix, 10 mM each (4*0.25ml)	278
197	Recombinant RNase Inhibitor(125ul/5000U)	855
198	PLATINUM TAQ DNA POLYMERASE (250*25ul reactions)	2,245
199	Random primer (100 reactions)	273
200	Primer synthesis (bp)	303
201	**Total Diagnostics**	
202		
203	**Supplies**	
204	Lab consumable (i.e. pipette and tubes)	7,576
205	Other reagents	1,515
206	**Total Supplies**	
207	**Total Direct Costs**	
208	***Indirect Costs***	
209	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	0%	-		-
6	5%	15,500		**15,500**
7	10%	12,200		**12,200**
8	80%	48,000		**48,000**
9		**75,700**	-	**75,700**
10				
11	**31.30%**			
12	0%	-		-
13	5%	4,852		**4,852**
14	10%	3,819		**3,819**
15	80%	15,024		**15,024**
16		**23,694**	-	**23,694**
17				
18				
19	2	8,078		**8,078**
20	2	20,331		**20,331**
21		-		-
22		-		-
23		**28,409**	-	**28,409**
24				
25				
26		77,246	-	**77,246**
27		177,093	7,828	**184,921**
28		146,410	-	**146,410**
29		11,006	-	**11,006**
30		75,414	-	**75,414**
31	1	235,000		**235,000**
32		**722,169**	**7,828**	**729,996**
33				
34				
35		-		-
36		-		-
37		-	-	-
38		**849,971**	**7,828**	**857,799**
39	***32.0%***	*40,897*	-	*40,897*
40	***32.0%***	*83,200*		*83,200*
41				-
42		**974,068**	**7,828**	**981,896**

	C	D	E	F
43				
44				
45	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
46				
47				
48	100%	19,697		**19,697**
49	50%	4,091		**4,091**
50	50%	4,091		**4,091**
51		**27,879**	-	**27,879**
52				
53				
54		-		-
55		-		-
56		-	-	-
57		.		
58				
59	200	7,660		**7,660**
60	1	21,641		**21,641**
61	1	278		**278**
62	1	855		**855**
63	1	2,245		**2,245**
64	1	273		**273**
65	1	303		**303**
66		**33,254**	-	**33,254**
67				
68				
69	1	7,576		**7,576**
70	1	1,515		**1,515**
71		**9,091**	-	**9,091**
72		**70,224**	-	**70,224**
73	***10.00%***	*7,022*	-	*7,022*
74		**77,246**	-	**77,246**
75				
76				
77	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
78				
79				
80	9%	6,480	1,000	**7,480**
81	34%	8,040		**8,040**
82	34%	8,040		**8,040**
83	34%	8,040		**8,040**
84	34%	8,040		**8,040**
85		**38,640**	**1,000**	**39,640**

	C	D	E	F
86				
87				
88	3	501	4,893	**5,394**
89		-		-
90		**501**	**4,893**	**5,394**
91				
92				
93	3	3,000		**3,000**
94		**3,000**	-	**3,000**
95				
96				
97	4800	28,800		**28,800**
98	2400	74,400		**74,400**
99	240	480		**480**
100	960	7,987		**7,987**
101	24	7,186		**7,186**
102		-		-
103		**118,853**	-	**118,853**
104				
105				
106		-		-
107		-		-
108		-	-	-
109				
110				
111	1	-	1,223	**1,223**
112		-	**1,223**	**1,223**
113		**160,994**	**7,116**	**168,110**
114	***10.00%***	*16,099*	*712*	*16,811*
115		**177,093**	**7,828**	**184,921**
116				
117				
118	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
119				
120				
121	100%	21,600		**21,600**
122	100%	21,600		**21,600**
123		-		-
124		**43,200**	-	**43,200**
125				
126				
127	24	9,600		**9,600**
128	24	9,600		**9,600**
129		**19,200**	-	**19,200**

	C	D	E	F
130				
131				
132	1	3,500		**3,500**
133		**3,500**	-	**3,500**
134				
135				
136	4200	50,400		**50,400**
137	400	6,000		**6,000**
138		-		-
139		**56,400**	-	**56,400**
140				
141				
142	1800	9,000		**9,000**
143	600	1,800		**1,800**
144		**10,800**	-	**10,800**
145				
146				
147		-		-
148		-		-
149		-		-
150		-		-
151		-		-
152		-	-	-
153		**133,100**	-	**133,100**
154	***10.00%***	*13,310*	-	*13,310*
155		**146,410**	-	**146,410**
156				
157				
158	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
159				
160				
161	3	1,740		**1,740**
162	3	1,740		**1,740**
163	3	1,740		**1,740**
164	3	1,740		**1,740**
165	3	1,740		**1,740**
166	3	1,305		**1,305**
167		-		-
168		**10,005**	-	**10,005**
169				
170				
171		-		-
172		-		-
173		-	-	-

	C	D	E	F
174		**10,005**	**-**	**10,005**
175	***10.00%***	*1,001*	-	*1,001*
176		**11,006**	**-**	**11,006**
177				
178				
179	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
180				
181				
182	50%	9,849		**9,849**
183	100%	8,182		**8,182**
184	100%	8,182		**8,182**
185		-		**-**
186		**26,213**	**-**	**26,213**
187				
188				
189		-		**-**
190		-		**-**
191		**-**	**-**	**-**
192		**.**		
193				
194	1	7,661		**7,661**
195	1	21,641		**21,641**
196	1	278		**278**
197	1	855		**855**
198	1	2,245		**2,245**
199	1	273		**273**
200	1	303		**303**
201		**33,255**	**-**	**33,255**
202				
203				
204	1	7,576		**7,576**
205	1	1,515		**1,515**
206		**9,091**	**-**	**9,091**
207		**68,558**	**-**	**68,558**
208	***10.00%***	*6,856*	-	*6,856*
209		**75,414**	**-**	**75,414**

	A	B
1	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EcoHealth Alliance subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO RoC and IVORY COAST (TBN)	70,000
6	INSTITUTIONAL LEAD (Peter Daszak)	310,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	SCIENTIST/COUNTRY LIAISON TO RoC and IVORY COAST (TBN)	21,910
11	INSTITUTIONAL LEAD (Peter Daszak)	97,030
12	**Fringe Benefits Total**	
13		
14	**Domestic Travel**	
15		
16	**Total Domestic Travel**	
17		
18	**International Travel**	
19	EHA staff to Cote d'Ivoire (1 week scoping visit/meetings with local collaborators)	7,434
20	EHA staff to Cote D'Ivoire	5,782
21	**Total International Travel**	
22		
23	**Contractual**	
24	Institut Pasteur Côte d'Ivoire (IPCI) subagreement (detail below)	
25	Laboratoire National d'Appui au Dévelopment Argricole (LANADA) subagreement (detail below)	
26	Centre de Sante Urbain de Bono (Ministry of Health) (detail below)	
27	**Total Contractual**	
28		
29	**Supplies**	
30	**PPE (Wildlife)**	
31	Nitrile Large extended cuff (500 per case)	252
32	Nitrile Medium extended cuff (500 per case)	252
33	Nitrile small extended cuff (500 per case)	252
34	N100 respirators (20 per case)	190
35	N95 respirators (80 per case)	243
36	tyvek hooded large (25 per case)	290
37	tyvek hooded medium (25 per case)	290
38	safety glasses	355
39	**Blood Collection**	
40	Isoflurane (250mL/bottle)	35
41	LW-scientific-usa-e8-series-centrifuge	578
42	HemataStata II microhematocrit centrifuge	2,325
43	HemataStata II microhematocrit rechargable Ni-metal battery	168

	A	B
44	HemataStata II microhematocrit centrifuge carrying case	373
45	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
46	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
47	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
48	Hematocrit tube sealant (10 per package)	46
49	Microhematorcrit capillary pipette bulb	10
50	Cryovials 0.5mL (for serum)	588
51	Nunc internally threaded cryovials, 1.8mL	1,385
52	Nunc 3.6 mL	1,603
53	colored caps blue (500 units/case)	170
54	colored caps red (500 units/case)	170
55	colored caps green (500 units/case)	170
56	colored caps yellow (500 units/case)	170
57	colored caps brown (500 units/case)	170
58	colored caps grey (500 units/case)	170
59	Corning cryobox 10x10	153
60	Cotton balls (med)	54
61	BD alcohol swabs	29
62	Needles 27g 3/4	100
63	Needles 25g 3/4	100
64	Needles 23g 3/4	100
65	Needles 18g 3/4	100
66	Red-top vaccutainer 3.0 mL	182
67	Red-top vaccutainer 6.0 mL	206
68	pipette gun: 1 µl -10uL	351
69	pipette gun: 100 µl -1000uL	351
70	pipette gun 20uL-200uL	351
71	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
72	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120
73	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
74	Syringes 1mL	90
75	Syringes 3mL	90
76	Syringes 5mL	90
77	Sharps containers 8 gal	30
78	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
79	Viral transport media (pre-aliquotted)	1,000
80	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
81	Puritan 6' polyester sterile swabs minitip (500 case)	338
82	Povidone iodine prep pad (1000/case)	170
83	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111
84	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
85	Triple antibiotic ointment - 0.5gr (20 per package)	6

	A	B
86	**Measurements**	
87	Fisherbrand* Traceable* Digital Calipers	50
88	OHAUS CS series flat scale	186
89	Pesola® Micro-Line Spring Scale 10 g	54
90	Pesola® Micro-Line Spring Scale 30 g	51
91	Pesola® Micro-Line Spring Scale 60 g	48
92	Pesola® Micro-Line Spring Scale 100 g	50
93	Pesola® LightLine Spring Scale 1000g	39
94	Pesola® LightLine Spring Scale 10kg	125
95	Pesola® LightLine Spring Scale 20kg	135
96	**Clean up**	
97	Autoclave/biohazard bags large 45x36in	134
98	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
99	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
100	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
101	**Capture (Bats)**	
102	Cotton holding bag (8in x 12in)	1
103	Cotton holding bag for large bats	3
104	500 lumen rechargable headlamp	81
105	200-300 lumen rechargable headlamp	60
106	Wildlife handling leather gloves (small)	121
107	Wildlife handling leather gloves (large)	121
108	Harp trap 72in by 80in	1,495
109	Baffle bar roost 6 ft	69
110	Replacement catch bag for harp trap	69
111	**Capture (Rodents)**	
112	Extra Large Size Sherman Aluminum Folding Trap (4" x 4-1/2" x 15" set)	49
113	Bait mix (Peanut butter, nuts, rolled oats, seeds, apple slice)	6
114	Nestlet(Ancare) cotton nesting material for thermoregulation (3600/box)	247
115	Tomahawk traps	120
116	Liquid Nitrogen Dry Shippers	2,467
117	**Total Supplies**	
118		
119	**Diagnostics**	
120		
121	**Total Diagnostics**	
122		
123	**Other Costs**	
124	Supplies to Cote d'Ivoire (excess baggage charge on commercial flight) (rate per shipping crate)	175
125	**Total Other Costs**	
126	**Total Direct Costs**	
127	***Indirect Costs***	
128	***Indirect Costs on subagreements & Contracts***	
129	***EHA Global - see tab for details***	

	A	B
130	**Total Costs**	
131		
132	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Institut Pasteur Côte d'Ivoire (IPCI)**	
133	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
134		
135	**Salaries**	
136	Country Coordinator	36,000
137	Country Coordinator Assistant	28,800
138	Lead Laboratory Technician	15,000
139	Biologist - Dr. Eugene Koffi	20,000
140	Biologist - Dr. Daniel Saraka	20,000
141	Data Manager - Ms Florence Tanoh Diby	6,000
142	Dr. Kalpy - Program Manager, Human Surveillance	30,000
143	Prof Dosso - Head Administration	50,000
144	**Salaries Total**	
145		
146	**Fringe Benefits**	
147	Country Coordinator - Tax and Social Insurance Fund	17,280
148	Country Coordinator - Health Insurance	2,000
149	Country Coordinator Assistant - Tax and Social Insurance Fund	13,824
150	Country Coordinator Assistant - Health Insurance	2,000
151	Lead Laboratory Technician - Tax and Social Insurance Fund	7,200
152	Lead Laboratory Technician - Health Insurance	1,500
153	Data Manager - Ms Florence Tanoh Diby - Tax and Social Insurance Fund	2,880
154	Data Manager - Ms Florence Tanoh Diby - Health Insurance	1,500
155		
156	**Fringe Benefits Total**	
157		
158	**Domestic Travel**	
159	Fuel for transport to field site	900
160	Per diem for team (5 staff x 5 days x 4 trips)	3,750
161	Sociologist per diem (2 staff x 14 days x 3 trips)	4,200
162	Car rental	8,000
163	**Total Domestic Travel**	
164		
165	**Diagnostics**	
166	Lab reagents and consumables (cost per sample for 5 assays)	150
167	Sequencing for 5% of samples	10
168	**Total Diagnostics**	
169		
170	**Supplies**	
171	Office Administration Supplies	150
172	Local lab and field supplies	7,539
173	**Total Supplies**	
174		

	A	B
175	**Other Costs**	
176	Program Procedures Training Workshop (lab, field, data mgmt)	3,600
177	Community Engagement and Coordination Meetings	840
178	Communication (phone)	350
179	Internet	312
180	Cold Chain Maintenance	300
181	**Total Other Costs**	
182	**Total Direct Costs**	
183	***Indirect Costs***	
184	**Total Costs**	
185		
186	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Laboratoire National d'Appui au Developpement Agricole (LANADA)**	
187	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
188		
189	**Salaries**	
190	PhD Student - Kouaku Valère	12,000
191	Chef de Laboratoire de Virologie LANADA - Prof Couacy-Hymann	60,000
192	Lead Laboratory Technician 1 - Assemian Krou	11,040
193	Lead Laboratory Technician 2 - Privat Godji	11,040
194	**Total Salaries**	
195		
196	**Domestic Travel**	
197	Per diem for staff (4 staff x 15 days x 2 trips)	150
198	Vehicel rental	2,100
199	Fuel	300
200	**Total Domestic Travel**	
201		
202	**Diagnostics**	
203	Cost per sample for testing for all five viral families, including initial extraction	50
204	**Total Diagnostics**	
205		
206	**Supplies**	
207	Local lab supplies	22,050
208	**Total Supplies**	
209	**Total Direct Costs**	
210	***Indirect Costs***	
211	**Total Costs**	
212		
213	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Centre de Sante de Bono (Ministry of Health)**	
214	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
215		

	A	B
216	**Salaries**	
217	Clinician	15,000
218	Phlebotomist or nurse	15,000
219		
220	**Total Salaries**	
221	**Total Direct Costs**	
222	***Indirect Costs***	
223	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	35,000		**35,000**
6	10%	31,000		**31,000**
7		**66,000**	**-**	**66,000**
8				
9	**31.30%**			
10	50%	10,955		**10,955**
11	10%	9,703		**9,703**
12		**20,658**	**-**	**20,658**
13				
14				
15		-		**-**
16		**-**	**-**	**-**
17				
18				
19	1	7,434		**7,434**
20	2	11,564		**11,564**
21		**18,998**	**-**	**18,998**
22				
23				
24		269,399	-	**269,399**
25		120,780	-	**120,780**
26		9,026		**9,026**
27		**399,204**	**-**	**399,204**
28				
29				
30		-		**-**
31	2	504		**504**
32	3	756		**756**
33	3	756		**756**
34	4	760		**760**
35	6	1,458		**1,458**
36	3	870		**870**
37	3	870		**870**
38	2	710		**710**
39		-		**-**
40	15	525		**525**
41	1	578		**578**
42	1	2,325		**2,325**
43	2	336		**336**

	C	D	E	F
44	1	373		**373**
45	1	273		**273**
46	2	26		**26**
47	2	122		**122**
48	2	92		**92**
49	10	100		**100**
50	5	2,940		**2,940**
51	5	6,925		**6,925**
52	1	1,603		**1,603**
53	1	170		**170**
54	1	170		**170**
55	1	170		**170**
56	1	170		**170**
57	1	170		**170**
58	1	170		**170**
59	10	1,530		**1,530**
60	4	218		**218**
61	6	175		**175**
62	5	500		**500**
63	5	500		**500**
64	5	500		**500**
65	5	500		**500**
66	8	1,456		**1,456**
67	2	412		**412**
68	2	702		**702**
69	2	702		**702**
70	2	702		**702**
71	3	360		**360**
72	3	360		**360**
73	3	360		**360**
74	6	540		**540**
75	6	540		**540**
76	6	540		**540**
77	10	300		**300**
78	1	71		**71**
79	1	1,000		**1,000**
80	3	1,245		**1,245**
81	2	676		**676**
82	1	170		**170**
83	2	222		**222**
84	4	92		**92**
85	5	30		**30**

	C	D	E	F
86		-		-
87	4	200		**200**
88	2	372		**372**
89	2	108		**108**
90	2	101		**101**
91	2	96		**96**
92	2	100		**100**
93	2	78		**78**
94	2	250		**250**
95	2	270		**270**
96		-		-
97	3	402		**402**
98	1	63		**63**
99	1	466		**466**
100	1	308		**308**
101		-		-
102	200	276		**276**
103	200	600		**600**
104	4	324		**324**
105	6	360		**360**
106	4	484		**484**
107	4	484		**484**
108	2	2,990		**2,990**
109	2	138		**138**
110	2	138		**138**
111		-		-
112	110	5,418		**5,418**
113	50	300		**300**
114	1	247		**247**
115	25	3,000		**3,000**
116	1	2,467		**2,467**
117		**58,363**	-	**58,363**
118				
119				
120		-		-
121		-	-	-
122				
123				
124	0	-		-
125		-	-	-
126		**563,223**	-	**563,223**
127	**32.0%**	52,486	-	**52,486**
128	**32.0%**	18,888		**18,888**
129				-

	C	D	E	F
130		**634,598**	**-**	**634,598**
131				
132				
133	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
134				
135				
136	100%	36,000		**36,000**
137	100%	28,800		**28,800**
138	100%	15,000		**15,000**
139	30%	6,000		**6,000**
140	50%	10,000		**10,000**
141	100%	6,000		**6,000**
142	15%	4,500		**4,500**
143	5%	2,500		**2,500**
144		**108,800**	**-**	**108,800**
145				
146				
147	100%	17,280		**17,280**
148	100%	2,000		**2,000**
149	100%	13,824		**13,824**
150	100%	2,000		**2,000**
151	100%	7,200		**7,200**
152	100%	1,500		**1,500**
153	100%	2,880		**2,880**
154	100%	1,500		**1,500**
155		-		-
156		**48,184**	**-**	**48,184**
157				
158				
159	4	3,600		**3,600**
160	4	15,000		**15,000**
161	3	12,600		**12,600**
162	1	8,000		**8,000**
163		**39,200**	**-**	**39,200**
164		.		
165				
166	200	30,000		**30,000**
167	10	100		**100**
168		**30,100**	**-**	**30,100**
169		.		
170				
171	12	1,800		**1,800**
172	0	-		-
173		**1,800**	**-**	**1,800**
174		.		

	C	D	E	F
175				
176	1	3,600		**3,600**
177	2	1,680		**1,680**
178	12	4,200		**4,200**
179	12	3,744		**3,744**
180	12	3,600		**3,600**
181		**16,824**	**-**	**16,824**
182		**244,908**	**-**	**244,908**
183	***10.00%***	*24,491*	-	*24,491*
184		**269,399**	**-**	**269,399**
185				
186				
187	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
188				
189				
190	33%	3,960		**3,960**
191	20%	12,000		**12,000**
192	50%	5,520		**5,520**
193	50%	5,520		**5,520**
194		**27,000**	-	**27,000**
195		.		
196				
197	120	18,000		**18,000**
198	2	4,200		**4,200**
199	2	600		**600**
200		**22,800**	**-**	**22,800**
201				
202				
203	1200	60,000		**60,000**
204		**60,000**	**-**	**60,000**
205		.		
206				
207	-	-		**-**
208		-	-	**-**
209		**109,800**	-	**109,800**
210	***10.00%***	*10,980*	-	*10,980*
211		**120,780**	**-**	**120,780**
212				
213				
214	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
215				

	C	D	E	F
216				
217	15%	2,250		**2,250**
218	40%	5,955		**5,955**
219		-		**-**
220		**8,205**	**-**	**8,205**
221		**8,205**	**-**	**8,205**
222	***10.00%***	*821*	-	*821*
223		**9,026**	**-**	**9,026**

	A	B
1	**PREDICT-2 Egypt Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	74,200
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	23,225
12	EPT PARTNER LIAISON (Billy Karesh)	82,626
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners (2 travelers)	3,115
18	**Total International Travel**	
19		
20	**Contractual**	
21	Human Link subagreement (detail below)	
22	**Total Contractual**	
23	**Total Direct Costs**	
24	***Indirect Costs***	
25	***Indirect Costs on Contracts & Subagreements***	
26	***EHA Global - see tab for details***	
27	**Total Costs**	
28		
29	**PREDICT-2 Egypt Year 4 Budget - EHA subagreement to Human Link**	
30	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
31		
32	**Salaries**	
33	Site Co-Principal Investigator	120,000
34	**Salaries Total**	
35		
36	**Diagnostics**	
37	Testing for wildlife samples (cost per sample) (viral family testing for five priority families)	76
38	Serology Testing for human samples (cost per sample)(if approved)	38
39	**Total Diagnostics**	
40		
41	**Supplies**	

	A	B
42	Wildlife - Field supplies (nets, traps, PPE, needles, swabs, chemicals, tubes)(est. weekly cost in field)	1,875
43	Human - Field supplies (specimen collection equipment (tubes, needles, swabs)(est. weekly cost in field)	1,250
44	Participant acknowledgements for human research (cost per participant)	2
45	**Total supplies**	
46		
47	**Contractual**	
48	CSEIV subagreement (detail below)	
49	**Total Contractual**	
50		
51	**Other costs**	
52		
53		
54	**Total other costs**	
55	**Total Direct Costs**	
56	***Indirect Costs, est***	
57	**Total Costs**	
58		
59	**PREDICT-2 Egypt Year 4 Budget - Human Link subagreement to National Research Centre (CSEIV)**	
60	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
61		
62	**Salaries**	
63	Site PI / Senior Country Coordinator	66,667
64	Junior Country Coordinator	36,000
65	Administrative staff	20,000
66	Temporary Field Tech (weekly cost)	500
67	Temporary Field Tech (weekly cost)	500
68	Temporary Field Tech (weekly cost)	500
69	Temporary Field Tech (weekly cost)	500
70	Temporary Field Tech (weekly cost)	500
71	Temporary Field Tech (weekly cost)	500
72	Lab Technician	4,000
73	Lab Technician	4,000
74	Lab Technician	4,000
75	Lab Technician	4,000
76	**Salaries Total**	
77		
78	**Domestic Travel**	
79	Fuel and vehicle maintenence cost for 2-week sampling trip (Wildlife and human sampling/human behavioral)	1,275
80	Per diem (per 14-day trip for 6 team members)	3,825
81	**Total Domestic Travel**	
82		
83	**Other Costs**	

	A	B
84	Freezer storage cost	5,250
85	Equipment use and depreciation	22,500
86	**Total Other Costs**	
87	**Total Direct Costs**	
88	***Indirect Costs***	
89	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	37,100		**37,100**
6	3%	7,919		**7,919**
7		-		-
8		**45,019**	**-**	**45,019**
9				
10	**31.30%**			
11	50%	11,612		**11,612**
12	3%	2,479		**2,479**
13	0%	-		-
14		**14,091**	**-**	**14,091**
15				
16				
17	2	6,230		**6,230**
18		**6,230**	**-**	**6,230**
19				
20				
21		400,427	45,145	**445,571**
22		**400,427**	**45,145**	**445,571**
23		**465,767**	**45,145**	**510,912**
24	***32.0%***	*20,909*	-	*20,909*
25	***32.0%***			-
26				-
27		**486,676**	**45,145**	**531,821**
28				
29				
30	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
31				
32				
33	23%	27,960		**27,960**
34		**27,960**	**-**	**27,960**
35				
36				
37	2400	174,187	8,213	**182,400**
38	600	22,800		**22,800**
39		**196,987**	**8,213**	**205,200**
40				
41				

	C	D	E	F
42	8	13,631	1,369	**15,000**
43	8	8,996	1,004	**10,000**
44	600	1,200		**1,200**
45		**23,827**	**2,373**	**26,200**
46				
47				
48		126,775	33,500	**160,275**
49		**126,775**	**33,500**	**160,275**
50				
51				
52		-		-
53		-		-
54		-	-	-
55		**375,549**	**44,086**	**419,635**
56	***10.00%***	*24,877*	*1,059*	*25,936*
57		**400,427**	**45,145**	**445,571**
58				
59				
60	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
61				
62				
63	42%	28,000		**28,000**
64	20%	7,200		**7,200**
65	20%	4,000		**4,000**
66	8	4,000		**4,000**
67	8	4,000		**4,000**
68	8	4,000		**4,000**
69	8	4,000		**4,000**
70	8	4,000		**4,000**
71	8	4,000		**4,000**
72	100%	4,000		**4,000**
73	100%	4,000		**4,000**
74	100%	-	4,000	**4,000**
75	100%	-	4,000	**4,000**
76		**71,200**	**8,000**	**79,200**
77				
78				
79	8	8,200	2,000	**10,200**
80	8	30,600		**30,600**
81		**38,800**	**2,000**	**40,800**
82				
83				

	C	D	E	F
84	1	5,250		**5,250**
85	1	-	22,500	**22,500**
86		**5,250**	**22,500**	**27,750**
87		**115,250**	**32,500**	**147,750**
88	***10.00%***	*11,525*	*1,000*	*12,525*
89		**126,775**	**33,500**	**160,275**

	A	B
1	**PREDICT-2 India Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	Research Scientist (Debapriyo Chakraborty)	66,780
6	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	155,000
7	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	49,000
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	Research Scientist (Debapriyo Chakraborty)	20,902
12	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	48,515
13	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	15,337
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners	4,000
18	Sampling trip	10,500
19	**Total International Travel**	
20		
21	**Contractual**	
22	Sanjay Gandhi Postgraduate Institute of Medical Sciences subagreement (detail below)	
23	Manish Kakkar (consultant)(includes stipend and travel costs)	37,380
24	Rajesh Bhattia (consultant)(includes stipend and travel costs)	30,000
25		
26	**Total Contractual**	
27		
28	**Equipment**	
29		
30		
31	**Total Equipment**	
32		
33	**Supplies**	
34	Supplies (purchased in US, shipped to India)	5,000
35	Sample/supply shipping costs	5,000
36	**Total Supplies**	
37	**Total Direct Costs**	
38	***Indirect Costs***	
39	***Indirect Costs on Contracts & Subagreements***	
40	***EHA Global - see tab for details***	
41	**Total Costs**	
42		
43	**PREDICT-2 India Year 4 Budget - EHA subagreement to Sanjay Gandhi Postgraduate Institute of Medical Sciences**	

	A	B
44	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
45		
46	**Salaries**	
47	Country Coordinator (Tapan Dhole)	64,615
48	Lab lead (Harjeet Mann)	14,124
49	Admin Assistant (Laboratory assistant +DEO)	5,699
50	Lab analyst (Technical Officer)	12,692
51	Lab attendant (Laboratory Attendant)	4,748
52	Veterinarian (Technician Grade-I)	9,075
53	Interview lead (Technician Grade 1)	9,075
54	Field technician (Technician Grade 2) (2)	6,672
55	Phlebotomist (Lab assistant)	5,699
56	Field assistants (villagers) (daily rate for 2 individuals)	8
57	**Salaries Total**	
58		
59	**Domestic travel**	
60	Field Lodging & Meals ($30/person/day)	180
61	Field Vehicle Rental	77
62		
63	**Total Domestic Travel**	
64		
65	**International Travel**	
66	R/T flight to Bangkok, Thailand	800
67	Per diem (daily)(cost per meeting includes two travel days)	246
68		
69	**Total International Travel**	
70		
71	**Equipment**	
72	Fridge -80	9,769
73	Thermocycler	10,615
74	Somnosuite low flow anesthesia system integrated digital vaporizer	5,250
75	Biosafety hood	11,538
76	**Total Equipment**	
77		
78	**Diagnostics**	
79	Analysis/sample, extraction + 2 PCR reactions	37
80	Cloning and sequencing	46
81	**Total Diagnostics**	
82		
83	**Contractual**	
84	Uttar Pradesh Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigan Vishwa Vidyalaya Evam Go-Anusadham Sansthan, Mathura (DUVASU) (detail below)	
85		
86	**Total Contractual**	
87		

	A	B
88	**Supplies**	
89	**PPE (Wildlife+livestock)**	
90	Nitrile Large extended cuff (500 per case)	252
91	Nitrile Medium extended cuff (500 per case)	252
92	Nitrile small extended cuff (500 per case)	252
93	N100 respirators (20 per case)	190
94	N95 respirators (80 per case)	243
95	tyvek hooded large (25 per case)	290
96	tyvek hooded medium (25 per case)	290
97	safety glasses	355
98	**Blood Collection (bat+rodent+macaque+livestock)**	
99	Isoflurane (250mL/bottle)	35
100	LW-scientific-usa-e8-series-centrifuge	578
101	HemataStata II microhematocrit centrifuge	2,325
102	HemataStata II microhematocrit rechargable Ni-metal battery	168
103	HemataStata II microhematocrit centrifuge carrying case	373
104	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
105	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
106	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
107	Hematocrit tube sealant (10 per package)	46
108	Microhematorcrit capillary pipette bulb	10
109	Cryovials 0.5mL (for serum)	588
110	Nunc internally threaded cryovials, 1.8mL	1,385
111	Nunc 3.6 mL	1,603
112	colored caps blue (500 units/case)	170
113	colored caps red (500 units/case)	170
114	colored caps green (500 units/case)	170
115	colored caps yellow (500 units/case)	170
116	colored caps brown (500 units/case)	170
117	colored caps grey (500 units/case)	170
118	Corning cryobox 10x10	153
119	Cotton balls (med)	54
120	BD alcohol swabs	29
121	Needles 27g 3/4	100
122	Needles 25g 3/4	100
123	Needles 23g 3/4	100
124	Needles 18g 3/4	100
125	Red-top vaccutainer 3.0 mL	182
126	Red-top vaccutainer 6.0 mL	206
127	pipette gun: 1 µl -10uL	351
128	pipette gun: 100 µl -1000uL	351
129	pipette gun 20uL-200uL	351
130	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
131	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120

	A	B
132	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
133	Syringes 1mL	90
134	Syringes 3mL	90
135	Syringes 5mL	90
136	Sharps containers 8 gal	30
137	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
138	Viral transport media (pre-aliquotted)	1,000
139	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
140	Puritan 6' polyester sterile swabs minitip (500 case)	338
141	Povidone iodine prep pad (1000/case)	170
142	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111
143	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
144	Triple antibiotic ointment - 0.5gr (20 per package)	6
145	**Measurements (bat+rodent+macaque)**	
146	Fisherbrand* Traceable* Digital Calipers	50
147	OHAUS CS series flat scale	186
148	Pesola® Micro-Line Spring Scale 10 g	54
149	Pesola® Micro-Line Spring Scale 30 g	51
150	Pesola® Micro-Line Spring Scale 60 g	48
151	Pesola® Micro-Line Spring Scale 100 g	50
152	Pesola® LightLine Spring Scale 1000g	39
153	Pesola® LightLine Spring Scale 10kg	125
154	Pesola® LightLine Spring Scale 20kg	135
155	**Clean up (bat+rodent+macaque+livestock)**	
156	Autoclave/biohazard bags large 45x36in	134
157	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
158	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
159	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
160	**Capture (Bats)**	
161	Cotton holding bag (8in x 12in)	1
162	Cotton holding bag for large bats	3
163	500 lumen rechargable headlamp	81
164	200-300 lumen rechargable headlamp	60
165	Wildlife handling leather gloves (small)	121
166	Wildlife handling leather gloves (large)	121
167	Harp trap 72in by 80in	1,495
168	Baffle bar roost 6 ft	69
169	Replacement catch bag for harp trap	69
170	**Capture (Rodents)**	
171	Extra Large Size Sherman Aluminum Folding Trap (4" x 4-1/2" x 15" set)	49
172	Bait mix (Peanut butter, nuts, rolled oats, seeds, apple slice)	5
173	Nestlet(Ancare) cotton nesting material for thermoregulation (3600/box)	247
174	Tomahawk traps	120
175	Liquid Nitrogen Dry Shippers	2,467

	A	B
176	**Lab equipment (<$5K)**	
177	Fridge lab	1,307
178	Fridge -20	2,077
179	Microcentrifuge	3,385
180	**Office Supplies**	
181	Computers	769
182	Colour Printer photocopier	1,077
183	Field Netbook	470
184	Telephone sets	80
185	Mobile router	40
186	Stationary	300
187	**Total Supplies**	
188		
189	**Other costs**	
190	Acknowledgements for human research participants	10
191	**Total other costs**	
192	**Total Direct Costs**	
193	***Indirect Costs***	
194	**Total Costs**	
195		
196	**PREDICT-2 India Year 4 Budget - SGPGI subagreement to DUVASU**	
197	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
198		
199	**Salaries**	
200	TBD Project Coordinator	13,536
201	TBD field technician	5,200
202	**Salaries Total**	
203	**Total Direct Costs**	
204	***Indirect Costs***	
205	**Total Costs**	

	C	D	E	F	G	H
1						
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
3						
4						
5	100%	66,780		**66,780**		
6	10%	15,500		**15,500**		
7	25%	12,250		**12,250**		
8		**94,530**	**-**	**94,530**		
9						
10	**31.30%**					
11	100%	20,902		**20,902**		
12	10%	4,852		**4,852**		
13	25%	3,834		**3,834**		
14		**29,588**	**-**	**29,588**		
15						
16						
17	3	12,000		**12,000**		
18	2	21,000		**21,000**		
19		**33,000**	**-**	**33,000**		
20						
21						
22		516,390	-	**516,390**		
23	1	37,380		**37,380**		
24	1	30,000		**30,000**		
25		-		-		
26		**583,770**	-	**583,770**		
27						
28						
29		-		-		
30		-		-		
31		**-**	**-**	**-**		
32						
33						
34	1	5,000		**5,000**		
35	1	5,000		**5,000**		
36		**10,000**	**-**	**10,000**		
37		**750,888**	**-**	**750,888**		
38	***32.0%***	*53,478*	-	*53,478*		
39	***32.0%***	*21,562*		*21,562*		
40				-		
41		**825,927**	**-**	**825,927**		
42						
43						

	C	D	E	F	G	H
44	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
45						
46						
47	20%	12,923		**12,923**		
48	100%	14,124		**14,124**		
49	100%	5,699		**5,699**		
50	100%	12,692		**12,692**		
51	100%	4,748		**4,748**		
52	100%	9,075		**9,075**		
53	100%	9,075		**9,075**		
54	100%	6,672		**6,672**		
55	100%	5,699		**5,699**		
56	60	480		**480**		
57		**81,187**	-	**81,187**		
58						
59						
60	180	32,400		**32,400**		
61	180	13,860		**13,860**		
62		-		**-**		
63		**46,260**	**-**	**46,260**		
64						
65						
66	1	800		**800**		
67	3	738		**738**		
68		-		**-**		
69		**1,538**	**-**	**1,538**		
70						
71						
72	1	9,769		**9,769**		
73	1	10,615		**10,615**		
74	1	5,250		**5,250**		
75	1	11,538		**11,538**		
76		**37,172**	**-**	**37,172**		
77						
78						
79	5600	209,664		**209,664**		
80	280	12,923		**12,923**		
81		**222,587**	**-**	**222,587**		
82						
83						
84		6,961	-	**6,961**		
85				**-**		
86		**6,961**	**-**	**6,961**		
87						

	C	D	E	F	G	H
88						
89		-		-		
90	2	504		**504**		
91	3	756		**756**		
92	3	756		**756**		
93	4	760		**760**		
94	6	1,458		**1,458**		
95	3	870		**870**		
96	3	870		**870**		
97	2	710		**710**		
98		-		-		
99	15	525		**525**		
100	1	578		**578**		
101	1	2,325		**2,325**		
102	2	336		**336**		
103	1	373		**373**		
104	1	273		**273**		
105	2	26		**26**		
106	2	122		**122**		
107	2	92		**92**		
108	10	100		**100**		
109	5	2,940		**2,940**		
110	5	6,925		**6,925**		
111	1	1,603		**1,603**		
112	1	170		**170**		
113	1	170		**170**		
114	1	170		**170**		
115	1	170		**170**		
116	1	170		**170**		
117	1	170		**170**		
118	10	1,530		**1,530**		
119	4	218		**218**		
120	6	175		**175**		
121	5	500		**500**		
122	5	500		**500**		
123	5	500		**500**		
124	5	500		**500**		
125	8	1,456		**1,456**		
126	2	412		**412**		
127	2	702		**702**		
128	2	702		**702**		
129	2	702		**702**		
130	3	360		**360**		
131	3	360		**360**		

	C	D	E	F	G	H
132	3	360		**360**		
133	6	540		**540**		
134	6	540		**540**		
135	6	540		**540**		
136	10	300		**300**		
137	1	71		**71**		
138	1	1,000		**1,000**		
139	3	1,245		**1,245**		
140	2	676		**676**		
141	1	170		**170**		
142	2	222		**222**		
143	4	92		**92**		
144	5	30		**30**		
145		-		**-**		
146	4	200		**200**		
147	2	372		**372**		
148	2	108		**108**		
149	2	101		**101**		
150	2	96		**96**		
151	2	100		**100**		
152	2	78		**78**		
153	2	250		**250**		
154	2	270		**270**		
155		-		**-**		
156	3	402		**402**		
157	1	63		**63**		
158	1	466		**466**		
159	1	308		**308**		
160		-		**-**		
161	200	276		**276**		
162	200	600		**600**		
163	4	324		**324**		
164	6	360		**360**		
165	4	484		**484**		
166	4	484		**484**		
167	2	2,990		**2,990**		
168	2	138		**138**		
169	2	138		**138**		
170		-		**-**		
171	220	10,835		**10,835**		
172	100	500		**500**		
173	2	494		**494**		
174	25	3,000		**3,000**		
175	2	4,934		**4,934**		

	C	D	E	F	G	H
176		-		-		
177	1	1,307		**1,307**		
178	1	2,077		**2,077**		
179	1	3,385		**3,385**		
180		-		-		
181	1	769		**769**		
182	1	1,077		**1,077**		
183	1	470		**470**		
184	2	160		**160**		
185	2	80		**80**		
186	1	300		**300**		
187		**76,320**	-	**76,320**		
188						
189						
190	80	800		**800**		
191		**800**	-	**800**		
192		**472,825**	-	**472,825**		
193	***10.0%***	*43,565*	-	**43,565**		
194		**516,390**	-	**516,390**		
195						
196						
197	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
198						
199						
200	8%	1,128		**1,128**		
201	100%	5,200		**5,200**		
202		**6,328**	-	**6,328**		
203		**6,328**	-	**6,328**		
204	***10.0%***	*633*	-	**633**		
205		**6,961**	-	**6,961**		

	A	B
1	**PREDICT-2 Indonesia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
6	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
7		
8		
9		
10		
11	**Salaries Total**	
12		
13	**Fringe Benefits**	
14	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
15	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
16	0	-
17	0	-
18	0	-
19	0	-
20	**Fringe Benefits Total**	
21		
22	**International Travel**	
23	Scoping visit/meetings with in-country partners	4,234
24	Sampling trip	10,117
25		
26		
27		
28	**Total International Travel**	
29		
30	**Contractual**	
31	Bogor Agricultural University subagreement (detail below)	
32	Eijkman Institute of Molecular Biology subagreement (detail below)	
33	Puskesmas Kawangkoan Hospital subagreement	
34	Noongan Hospital subagreement	
35		
36		
37		
38	Jusuf Kalengkongan (Behavioral Surveillance)(includes stipend, interviewee costs, travel, transcription and translation services)	50,000
39	**Total Contractual**	
40		
41	**Supplies**	
42	Supplies (purchased in US, shipped to Indonesia)	5,000
43	Sample/supply shipping costs	5,000
44		

	A	B
45		
46	**Total Supplies**	
47	**Total Direct Costs**	
48	***Indirect Costs***	
49	***Indirect Costs on Contracts & Subagreements***	
50	***EHA Global - see tab for details***	
51	**Total Costs**	
52		
53	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Bogor Agricultural University**	
54	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
55		
56	**Salaries**	
57	Country Coordinator (Joko Pamungkas)	20,000
58	Assistant Country Coordinator	8,000
59	Lab Lead (Diah Iskandriati)	18,000
60	Lab Technologist (Uus Saepuloh)	8,000
61	Lab Technician-1 (Reza Kristiyana)	3,000
62	Lab technician-2 (Mad Ramdan)	3,000
63	Administrative support (Rachmitasari Noviana)	10,000
64	Administrative support (Rahayu Sulistina)	10,000
65	**Salaries Total**	
66		
67	**Domestic Travel**	
68	Lodging for 10 team members ($35/day, 14-day trips)	4,900
69	Per diem for field team (15 persons)	600
70	Vehicle rental fees: 2 cars in the field (cost/day including driver, gas, tolls)	180
71	Local meetings transport	50
72	**Total Domestic Travel**	
73		
74	**International Travel**	
75		
76	**Total International Travel**	
77		
78	**Diagnostics**	
79	Cost per sample for testing for all five viral families, including initial extraction	200
80	Barcoding	75
81	**Total Diagnostics**	
82		
83	**Supplies**	
84	Tubes (US$ 4800), syringes with needles (US$ 250), cotton swab (US$ 4800)	$9,850
85	Trizol 100ml	$500
86	VTM 100mL	$100

	A	B
87	Other field disposables (Cryo boxes, micropipet tips)	$500
88	Field and Lab PPE (gloves, masks, protective coveralls)	$500
89	Animal capture equipment (nets, poles, traps)	$50
90	Dart syringes	$15
91	Ketamine HCl 100mL	$100
92	Pipet tips w/ filter	$20
93	Dry shippers	$3,000
94	Nitrile Gloves	$10
95	PCR tubes	$100
96	Alcohol swab	$5
97	50mL conical tubes/ self standing	$20
98	15mL conical tubes/ self standing	$25
99	Nylon Socks	$2
100	Waterbath	$2,500
101	Dry ice + shipping	$500
102	Liquid N2	$5
103	Camera and lenses	$1,300
104	Computers (2 units, 1 for Diagnostic lab and 1 for data management)	$1,300
105	Office supplies	$1,500
106		
107	**Total Supplies**	
108		
109	**Supplies**	
110	Publishing cost	1,000
111		
112	**Total Supplies**	
113	**Total Direct Costs**	
114	***Indirect Costs***	
115	**Total Costs**	
116		
117	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Eijkman Institute of Molecular Biology**	
118	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
119		
120	**Salaries**	
121	Dodi Safari_ Laboratory Coordinator	54,000
122	Ageng Wiyatno – Research Assistant	15,600
123	Tina Kusumaningrum – Research Assistant	10,800
124	Technical Consultant – Chairin Nisa Mar'oef	14,400
125	Technical Consultant - Ungke Antonjaya	20,400
126	Finance and administrative staff - Wirda Damanik	28,800
127	Research Assistant (TBD)	6,000
128	**Salaries Total**	
129		
130	**Fringe Benefits**	

	A	B
131	13th Salary - Dodi Safari	4,500
132	Health Insurance – Ageng Wiyatno	200
133	Health Insurance – Tina Kusumaningrum	200
134	Social Security Plan – Ageng Wiyatno	973
135	Social Security Plan – Tina Kusumaningrum	674
136	13th Salary – Ageng Wiyatno	1,300
137	13th Salary – Tina Kusumaningrum	900
138	13th Salary – Chairin Nisa Mar'oef	1,200
139	13th Salary – Ungke	1,700
140	13th Salary – RA (TBD)	500
141	Social Security Plan – RA (TBD)	374
142	Health Insurance – RA (TBD)	200
143	13th Salary - Wirda Damanik	2,400
144	**Fringe Benefits Total**	
145		
146	**Domestic Travel Field Team**	
147	Manado (5 pax, 5 days RT)	2,310
148	Bali (3 pax, 4 days RT)	2,180
149	Other sites (3 pax, 4 days RT)	2,180
150	Local transportation	100
151	**Total Domestic Travel**	
152		
153	**International Travel**	
154	Travel to international conference/meeting or training	3,000
155	EPT/PREDICT meeting	5,000
156	**Total International Travel**	
157		
158	**Equipment**	
159		
160		
161	**Total Equipment**	
162		
163	**Diagnostics**	
164	Laboratory Supplies (reagents and consumables)	73,046
165	Sequencing	7,500
166	**Total Diagnostics**	
167		
168	**Supplies**	
169	Office Supplies / Stationery	200
170	**Total Supplies**	
171		
172	**Other Costs**	
173	Biosafety and lab training	7,000
174	Communications	150
175	Shipping	2,000
176		

	A	B
177	**Total Other Costs**	
178	**Total Direct Costs**	
179	***Indirect Costs***	
180	**Total Costs**	
181		
182	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Puskesmas Kawangkoan Hospital**	
183	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
184		
185	**Salaries**	
186	Clinician	15,000
187	Phlebotomist or nurse	15,000
188	**Salaries Total**	
189	**Total Direct Costs**	
190	***Indirect Costs***	
191	**Total Costs**	
192		
193	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Noongan Hospital**	
194	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
195		
196	**Salaries**	
197	Clinician	15,000
198	Phlebotomist or nurse	15,000
199	**Salaries Total**	
200	**Total Direct Costs**	
201	***Indirect Costs***	
202	**Total Costs**	
203		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	10%	14,000		**14,000**
6	33%	22,110		**22,110**
7		-		**-**
8		-		**-**
9		-		**-**
10		-		**-**
11		**36,110**	**-**	**36,110**
12				
13	**31.30%**			
14	10%	4,382		**4,382**
15	33%	6,920		**6,920**
16	0%	-		**-**
17	0%	-		**-**
18	0%	-		**-**
19	0%	-		**-**
20		**11,302**	-	**11,302**
21				
22				
23	3	12,702		**12,702**
24	4	40,468		**40,468**
25		-		**-**
26		-		**-**
27		-		**-**
28		**53,170**	**-**	**53,170**
29				
30				
31		508,112	-	**508,112**
32		240,752	-	**240,752**
33		18,975	-	**18,975**
34		18,975	-	**18,975**
35		-		**-**
36		-		**-**
37		-		**-**
38	1	50,000		**50,000**
39		**836,814**	**-**	**836,814**
40				
41				
42	1	5,000		**5,000**
43	1	5,000		**5,000**
44		-		**-**

	C	D	E	F
45		-		-
46		**10,000**	-	**10,000**
47		**947,397**	-	**947,397**
48	***32.0%***	*35,386*	-	*35,386*
49	***32.0%***	*26,940*		*26,940*
50				-
51		**1,009,723**	-	**1,009,723**
52				
53				
54	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
55				
56				
57	50%	10,000		**10,000**
58	100%	8,000		**8,000**
59	35%	6,300		**6,300**
60	50%	4,000		**4,000**
61	100%	3,000		**3,000**
62	50%	1,500		**1,500**
63	30%	3,000		**3,000**
64	20%	2,000		**2,000**
65		**37,800**	-	**37,800**
66				
67				
68	4	19,600		**19,600**
69	30	18,000		**18,000**
70	30	5,400		**5,400**
71	24	1,200		**1,200**
72		**44,200**	-	**44,200**
73				
74				
75		-		-
76		-	-	-
77				
78				
79	1600	320,000		**320,000**
80	160	12,000		**12,000**
81		**332,000**	-	**332,000**
82				
83				
84	1	9,850		**9,850**
85	4	2,000		**2,000**
86	4	400		**400**

	C	D	E	F
87	1	500		**500**
88	1	500		**500**
89	30	1,500		**1,500**
90	250	3,750		**3,750**
91	2	200		**200**
92	200	4,000		**4,000**
93	2	6,000		**6,000**
94	200	2,000		**2,000**
95	20	2,000		**2,000**
96	20	100		**100**
97	4	80		**80**
98	4	100		**100**
99	20	40		**40**
100	1	2,500		**2,500**
101	8	4,000		**4,000**
102	400	2,000		**2,000**
103	1	1,300		**1,300**
104	2	2,600		**2,600**
105	1	1,500		**1,500**
106		-		**-**
107		**46,920**	**-**	**46,920**
108				
109				
110	1	1,000		**1,000**
111		-		**-**
112		**1,000**	**-**	**1,000**
113		**461,920**	**-**	**461,920**
114	***10.0%***	*46,192*	-	**46,192**
115		**508,112**	**-**	**508,112**
116				
117				
118	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
119				
120				
121	30%	16,200		**16,200**
122	85%	13,260		**13,260**
123	100%	10,800		**10,800**
124	50%	7,200		**7,200**
125	30%	6,120		**6,120**
126	30%	8,640		**8,640**
127	85%	5,100		**5,100**
128		**67,320**	**-**	**67,320**
129				
130				

	C	D	E	F
131	30%	1,350		**1,350**
132	85%	170		**170**
133	100%	200		**200**
134	85%	827		**827**
135	100%	674		**674**
136	85%	1,105		**1,105**
137	100%	900		**900**
138	50%	600		**600**
139	30%	510		**510**
140	85%	425		**425**
141	85%	318		**318**
142	85%	170		**170**
143	30%	720		**720**
144		**7,970**	-	**7,970**
145				
146				
147	5	11,550		**11,550**
148	3	6,540		**6,540**
149	3	6,540		**6,540**
150	12	1,200		**1,200**
151		**25,830**	-	**25,830**
152				
153				
154	2	6,000		**6,000**
155	1	5,000		**5,000**
156		**11,000**	-	**11,000**
157				
158				
159		-		-
160		-		-
161		-	-	-
162				
163				
164	1	73,046		**73,046**
165	1	7,500		**7,500**
166		**80,546**	-	**80,546**
167				
168				
169	12	2,400		**2,400**
170		**2,400**	-	**2,400**
171				
172				
173	2	14,000		**14,000**
174	12	1,800		**1,800**
175	4	8,000		**8,000**
176		-		-

	C	D	E	F
177		**23,800**	**-**	**23,800**
178		**218,866**	**-**	**218,866**
179	***10%***	*21,887*	-	*21,887*
180		**240,752**	**-**	**240,752**
181				
182				
183	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
184				
185				
186	15%	2,250		**2,250**
187	100%	15,000		**15,000**
188		**17,250**	**-**	**17,250**
189		**17,250**	**-**	**17,250**
190	***10.0%***	*1,725*	-	**1,725**
191		**18,975**	**-**	**18,975**
192				
193				
194	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
195				
196				
197	15%	2,250		**2,250**
198	100%	15,000		**15,000**
199		**17,250**	-	**17,250**
200		**17,250**	**-**	**17,250**
201	***10.0%***	*1,725*	-	**1,725**
202		**18,975**	-	**18,975**
203				

	A	B
1	**PREDICT-2 Jordan Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	74,200
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	23,225
12	EPT PARTNER LIAISON (Billy Karesh)	82,626
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17		
18	Sampling trip (2 travelers)	10,650
19	**Total International Travel**	
20		
21	**Contractual**	
22	Jordan University of Science and Technology (JUST) (details below)	
23	Dr. Ehab Abu-Basha (consultant)	80,000
24	**Total Contractual**	
25		
26	**Supplies**	
27	Supplies (purchased in US, shipped to Jordan)	5,000
28	Sample/supply shipping costs	5,000
29	**Total Supplies**	
30	**Total Direct Costs**	
31	***Indirect Costs***	
32	***Indirect Costs on Contracts & Subagreements***	
33	***EHA Global - see tab for details***	
34	**Total Costs**	
35		
36	**PREDICT-2 Jordan Year 4 Budget - EHA subagreement to Jordan University of Science and Technology**	
37	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
38		
39	**Salaries**	
40		
41	Laboratory Technician	26,500
42	Laboratory Team Lead	50,500

	A	B
43	Laboratory Team Co-Lead	50,500
44	Field Coordinator	20,000
45	Field Veterinarian	60,000
46	Field Technician 1 for Human Surveillance	30,000
47	Junior Field Technician 1	15,000
48	Junior Field Technician 2	15,000
49	Administrative support 1	70,500
50	**Salaries Total**	
51		
52	**Domestic Travel**	
53	Lodging for 10 team members (daily)	71
54	Per diem for field team (daily)(10 team members, two weeks)	71
55	Vehicle rental fees (cost/day including driver, gas, tolls)	1,286
56	**Total Domestic Travel**	
57		
58	**International Travel**	
59	Country Coordinator to regional meeting (includes flight and per diem)	4,000
60	**Total International Travel**	
61		
62	**Diagnostics**	
63	Testing for four viral families, including initial extraction (2 samples per animal x 200 bats)	120
64	Cloning and sequencing (bats) (10% positive)	100
65	Cost per sample for serology testing at JUST (1 sample per person x 200 humans)	20
66	Confirmatory serology testing at Columbia University (1 sample per person x 200 humans)	20
67	**Total Diagnostics**	
68		
69	**Supplies**	
70	Tubes, syringes, needles	5,000
71	Other field disposables (Cryo boxes, vacutainers, 96-well plates)	5,000
72	Field and lab PPE (gloves, masks, protective coveralls)	5,000
73	Animal capture equipment (nets, poles, traps)	5,000
74	Dry shippers	3,000
75	Office Supplies	9,000
76	**Total supplies**	
77		
78	**Other Costs**	
79	Acknowledgements for human research partipipants (sampled and interviewed)	10
80	Transcription and translation for behavioral surveys	3,000
81	Publishing cost	2,000
82	**Total Other Costs**	
83	**Total Direct Costs**	
84	***Indirect Costs, est***	
85	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	37,100		**37,100**
6	3%	7,919		**7,919**
7		-		-
8		**45,019**	**-**	**45,019**
9				
10	**31.30%**			
11	50%	11,612		**11,612**
12	3%	2,479		**2,479**
13	0%	-		-
14		**14,091**	**-**	**14,091**
15				
16				
17		-		-
18	2	21,300		**21,300**
19		**21,300**	**-**	**21,300**
20				
21				
22		260,907	-	**260,907**
23	1	80,000	-	**80,000**
24		**340,907**	**-**	**340,907**
25				
26				
27	1	5,000		**5,000**
28	1	5,000		**5,000**
29		**10,000**	-	**10,000**
30		**431,317**	**-**	**372,207**
31	***32.0%***	*28,931*	-	**28,931**
32	***32.0%***	*25,600*		**25,600**
33				-
34		**485,849**	**-**	**426,738**
35				
36				
37	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
38				
39				
40		-		-
41	40%	10,600		**10,600**
42	30%	15,150		**15,150**

	C	D	E	F
43	30%	15,150		**15,150**
44	40%	8,000		**8,000**
45	30%	18,000		**18,000**
46	30%	9,000		**9,000**
47	40%	6,000		**6,000**
48	40%	6,000		**6,000**
49	8%	5,288		**5,288**
50		**93,188**	-	**93,188**
51				
52				
53	140	10,000		**10,000**
54	140	10,000		**10,000**
55	14	18,000		**18,000**
56		**38,000**	-	**38,000**
57				
58				
59	1	4,000		**4,000**
60		**4,000**	-	**4,000**
61		.		
62				
63	400	48,000		**48,000**
64	40	4,000		**4,000**
65	200	4,000		**4,000**
66	200	4,000		**4,000**
67		**60,000**	-	**60,000**
68				
69				
70	1	5,000		**5,000**
71	1	5,000		**5,000**
72	1	5,000		**5,000**
73	1	5,000		**5,000**
74	1	3,000		**3,000**
75	1	9,000		**9,000**
76		**32,000**	-	**32,000**
77				
78				
79	500	5,000		**5,000**
80	1	3,000		**3,000**
81	1	2,000		**2,000**
82		**10,000**	-	**10,000**
83		**237,188**	-	**237,188**
84	***10.00%***	*23,719*	-	**23,719**
85		**260,907**	-	**260,907**

	A	B
1	**PREDICT-2 Liberia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	155,000
6	COUNTRY LIAISON, LIBERIA (Emma Lane)	53,000
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	48,515
12	COUNTRY LIAISON, LIBERIA (Emma Lane)	16,589
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	EHA staff to Liberia	5,782
18	EHA staff to Liberia (meetings with local collaborators)	3,717
19	**Total International Travel**	
20		
21	**Contractual**	
22	Society for the Conservation of Nature, Liberia (SCNL) subagreement (detail below)	
23	National Public Health Institute of Liberia (NPHIL) (detail below)	
24	Columbia University (detail below)	
25	J. Desmond	125,000
26	**Total Contractual**	
27		
28	**Supplies**	
29	Laboratory disposables (pipette guns, tips, boxes, trays, etc) (bulk)	5,000
30	qPCR and cartridges (Ebola specific) (cost per test)	21
31	Harp traps (8), nets, poles, tubes, traps, PPE (bulk)	5,000
32	Field disposibles (for 10,000 animals/ year)	195,831
33	**Total Supplies**	
34		
35	**Other costs**	
36	Supplies to Liberia (excess baggage charge on commercial flight) (rate per shipping crate)	175
37	Shipping samples to US/supplies to Liberia	10,000
38	**Total other costs**	
39	**Total Direct Costs**	
40	***Indirect Costs***	
41	***Indirect Costs on Contracts & Subagreements***	
42	***EHA Global - see tab for details***	

	A	B
43	**Total Costs**	
44		
45	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to Society for the Conservation of Nature, Liberia (SCNL)**	
46	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
47		
48	**Salaries**	
49	Field technician (monthly)	600
50	Field technician (monthly)	600
51	Field technician (monthly)	600
52	Field technician (monthly)	600
53	Field technician (monthly)	600
54	Field technician (monthly)	600
55	Field technician (monthly)	600
56	Field technician (monthly)	600
57	Field scientist (monthly)	900
58	Field scientist (monthly)	900
59	Social scientist (monthly)	900
60	Social scientist (monthly)	900
61	**Salaries Total**	
62		
63	**Domestic Travel**	
64	Fuel (for four vehicles, 22 travel days per month)	3,200
65	Vehicle maintenance / repair (for 4 vehicles)	3,333
66	Accomodation (field house, local hotel)($30 per person per night X 20 nights per month X 10 people)	6,000
67	Food ($10 per person per day X 22 days per month X 10 people)	2,200
68	**Total Domestic Travel**	
69		
70	**Other costs**	
71	PREDICT project office rent (monthly)	1,850
72	**Total other costs**	
73	**Total Direct Costs**	
74	***Indirect Costs***	
75	**Total Costs**	
76		
77	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to National Public Health Institute of Liberia (NPHIL)**	
78	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
79		
80	**Salaries**	
81	Lab technician	6,800
82	Lab technician II	7,000
83	Lab technician III	7,200
84	Lab technician IV	7,400

	A	B
85		
86	**Salaries Total**	
87		
88	**Equipment**	
89		
90		
91		
92		
93	**Total Equipment**	
94		
95	**Diagnostics**	
96	Laboratory Reagents and Consumables (cost per sample for 5 assays)	150
97	Sequencing for 5% of samples tested	10
98	**Total Diagnostics**	
99		
100	**Supplies**	
101	Pipettor Set (GeneMate) inluding multichannel	2,550
102	Gel Box and electrophoresis power supply	1,560
103	**Total Supplies**	
104	**Total Direct Costs**	
105	***Indirect costs***	
106	**Total Costs**	
107		
108	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to Columbia University**	
109	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
110		
111	**Salaries**	
112	Simon Anthony - Associate Research Scientist	125,000
113	Isa Navarette - Senior Technician	50,375
114	Alex Petrosov - Deep Sequencing Technician	55,413
115	Bohyun Lee - Bioinformatics	54,737
116	Brittany Miller - Project Manager	56,067
117	**Salaries Total**	
118		
119	**Fringe Benefits**	
120	Simon Anthony - Associate Research Scientist	35,250
121	Isa Navarette - Senior Technician	14,206
122	Alex Petrosov - Deep Sequencing Technician	15,626
123	Bohyun Lee - Bioinformatics	15,436
124	Brittany Miller - Project Manager	15,811
125	**Fringe Benefits Total**	
126		
127	**Diagnostics**	
128	Nucleic acid extraction and cDNA synthesis (2X cDNA preps)(small bat samples)	10

	A	B
129	PCR (cost for 10 assays/sample @ 2.50/assay)	25
130	Cloning (assume 30% positive)	10
131	Plastics/gloves/glassware	1,000
132	Chemicals (including disposal)	1,000
133		
134	**Total Diagnostics**	
135		
136	**Other costs**	
137	Sanger sequencing of approximately 750 positive samples (8 sequences each, $5/sequence)	41
138	**Total other costs**	
139	**Total Direct Costs**	
140	***Indirect costs***	
141	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
3				
4				
5	5%	7,750		**7,750**
6	30%	15,900		**15,900**
7		-		-
8		**23,650**	**-**	**23,650**
9				
10	**31.30%**			
11	5%	2,426		**2,426**
12	30%	4,977		**4,977**
13	0%	-		-
14		**7,402**	**-**	**7,402**
15				
16				
17	2	11,564		**11,564**
18	2	7,434		**7,434**
19		**18,998**	**-**	**18,998**
20				
21				
22		329,780	-	**329,780**
23		568,004	-	**568,004**
24		162,673	40,000	**202,673**
25	1	125,000		**125,000**
26		**1,185,457**	**40,000**	**1,225,457**
27				
28				
29	1	5,000		**5,000**
30	10,000	212,000		**212,000**
31	1	5,000		**5,000**
32	1	195,831		**195,831**
33		**417,831**	**-**	**417,831**
34				
35				
36	11	1,925		**1,925**
37	1	10,000		**10,000**
38		**11,925**		**11,925**
39		**1,665,263**	**40,000**	**1,705,263**
40	***32.0%***	*153,538*	-	*153,538*
41	***32.0%***	*40,000*		*40,000*
42				-

	C	D	E	F
43		**1,858,801**	**40,000**	**1,898,801**
44				
45				
46	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
47				
48				
49	12	7,200		**7,200**
50	12	7,200		**7,200**
51	12	7,200		**7,200**
52	12	7,200		**7,200**
53	12	7,200		**7,200**
54	12	7,200		**7,200**
55	12	7,200		**7,200**
56	12	7,200		**7,200**
57	12	10,800		**10,800**
58	12	10,800		**10,800**
59	12	10,800		**10,800**
60	12	10,800		**10,800**
61		**100,800**	**-**	**100,800**
62				
63				
64	12	38,400		**38,400**
65	12	40,000		**40,000**
66	12	72,000		**72,000**
67	12	26,400		**26,400**
68		**176,800**	**-**	**176,800**
69				
70				
71	12	22,200		**22,200**
72		**22,200**	**-**	**22,200**
73		**299,800**	**-**	**299,800**
74	***10.0%***	*29,980*	-	**29,980**
75		**329,780**	**-**	**329,780**
76				
77				
78	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
79				
80				
81	100%	6,800		**6,800**
82	100%	7,000		**7,000**
83	100%	7,200		**7,200**
84	100%	7,400		**7,400**

	C	D	E	F
85		-		-
86		**28,400**	-	**28,400**
87				
88				
89		-		-
90		-		-
91		-		-
92		-		-
93		-	-	-
94				
95				
96	3215	482,250		**482,250**
97	160.75	1,608		**1,608**
98		**483,858**	-	**483,858**
99				
100				
101	1	2,550		**2,550**
102	1	1,560		**1,560**
103		**4,110**	-	**4,110**
104		**516,368**	-	**516,368**
105	**10.0%**	*51,637*	-	*51,637*
106		**568,004**	-	**568,004**
107				
108				
109	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
110				
111				
112	22%	27,500		**27,500**
113	30%	15,113		**15,113**
114	17%	9,237		**9,237**
115	8%	4,560		**4,560**
116	3%	1,867		**1,867**
117		**58,276**	-	**58,276**
118	**28.2%**			
119				
120	22%	7,755		**7,755**
121	30%	4,262		**4,262**
122	17%	2,605		**2,605**
123	8%	1,286		**1,286**
124	3%	527		**527**
125		**16,434**	-	**16,434**
126				
127				
128	500	5,000		**5,000**

	C	D	E	F
129	500	12,500		**12,500**
130	150	1,500		**1,500**
131	1	1,000		**1,000**
132	1	1,000		**1,000**
133		-		-
134		**21,000**	-	**21,000**
135				
136				
137	750	5,960	25,000	**30,960**
138		**5,960**	**25,000**	**30,960**
139		**101,670**	**25,000**	**126,670**
140	**60.0%**	*61,002*	*15,000*	*76,002*
141		**162,673**	**40,000**	**202,673**

	A	B
1	**PREDICT-2 Malaysia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	COUNTRY LIAISON, MALAYSIA (Allison White)	70,000
6	EHA OUTBREAK LEAD (Jon Epstein)	155,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	COUNTRY LIAISON, MALAYSIA (Allison White)	21,910
11	EHA OUTBREAK LEAD (Jon Epstein)	48,515
12	**Fringe Benefits Total**	
13		
14	**International Travel**	
15	INSTITUTIONAL LEAD (Peter Daszak) to Malaysia	7,944
16	Scoping visit/meetings with in-country partners	3,404
17	Sampling trip	7,824
18	**Total International Travel**	
19		
20	**Contractual**	
21	Conservation Medicine subagreement (see detail below)	
22	**Total Contractual**	
23		
24	**Equipment**	
25		
26	**Total Equipment**	
27	**Total Direct Costs**	
28	***Indirect Costs***	
29	***Indirect Costs on Contracts & Subagreements***	
30	***EHA Global - see tab for details***	
31	**Total Costs**	
32		
33	**PREDICT-2 Malaysia Year 4 Budget - EHA subagreement to Conservation Medicine (previously known as Tom Hughes)**	
34	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
35		
36	**Salaries**	
37	Tom Hughes (Program Coordinator)	114,984
38	Mei Ho Lee (Lab Coordinator)	27,188
39	Jimmy Lee (Field Coordinator)	24,910
40	Lab Manager WHGFL	15,865
41	Faizal Kamarol Zaman (Program Assistant)	15,897
42	Emily Sion (Lab Tech)	9,574
43	Lab Tech	8,076

	A	B
44	Andrew Ginsos WHU Team leader stipend (not full salary)	673
45	Senior Ranger	9,270
46	Junior Ranger	6,176
47	Junior Ranger	6,176
48	Junior Ranger	6,176
49	Junior Ranger	6,176
50	Junior Ranger	6,176
51	**Salaries Total**	
52		
53	**Domestic Travel**	
54	Food, Accommodation, fuel, 1 DF sampling trip Kinabatangan	3,403
55	Food, fuel, 1 DF sampling trip Telupid	616
56	Food, Accommodation, fuel, vehicle and other rentals OA sampling trip	3,818
57	Accomodation for team PM and Sabah for meetings and work other than field trips.	449
58	Domestic flights, fuel and tolls (monthly cost)	1,420
59	**Total Domestic Travel**	
60		
61	**International Travel**	
62	Country coordinator to RDMA (includes cost of flight, accomodation 3 nights, food, local transportation)	906
63		
64	**Total International Travel**	
65		
66	**Diagnostics**	
67	Testing DF animals, unpooled U, T samples for 5 priority families (cost per sample)	56
68	Testing bats collected by Dr Vijay and PhD student, unpooled U, T samples for 5 priority families (cost per sample)	57
69	Testing OA wild animal, unpooled U, T samples for 5 priority families (cost per sample)	43
70	Testing OA Livestock or domestic animals, unpooled U, T samples for 5 priority families (cost per sample)	37
71	Testing Human OA, unpooled N, T samples for 5 priority families (cost per sample)	49
72	Testing Human OA, unpooled U, R samples for 5 priority families (cost per sample)	58
73	Testing 100 Humans for Syndromic Surveillance Sabah, unpooled samples for 5 priority families (cost per sample)	58
74	**Total Diagnostics**	
75		
76	**Supplies**	
77	Consumables for 400 animals 4 DF sampling trips Kinabatangan (cost per trip)	963
78	Consumables for 400 animals 4 DF sampling trips Telupid (cost per trip)	2,296
79	Consumables for 720 animals over 6 OA sampling trips (360 Wild, 360 domestic or Livestock) (cost per trip)	3,177
80	Consumables for 600 Orang Asli over 6 trips (cost per trip)	4,446

	A	B
81	Consumables for 100 Humans for Syndromic Surveillance Sabah for 6 sample types (cost per person)	26
82	Consumables for Syndromic Surveillance Sabah - liquid Nitrogen	1,795
83	Office supplies	11
84		
85	**Total Supplies**	
86		
87	**Other Costs**	
88	Communication (monthly)	449
89	Accounting software annual fee	75
90	Car Maintenance x 2 Hilux	261
91	Office rent	112
92	Office maintenance	26
93	Conference registrations	673
94	Lab equipment preventative maintenance PM 1 year	5,609
95	Lab equipment preventative maintenance Sabah 1 year	1,884
96		
97		
98	**Total Other Costs**	
99	**Total Direct Costs**	
100	***Indirect Costs***	
101	**Total Costs**	
102		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	20%	14,000		**14,000**
6	10%	15,500		**15,500**
7		**29,500**	**-**	**29,500**
8				
9	**31.30%**			
10	20%	4,382		**4,382**
11	10%	4,852		**4,852**
12		**9,234**	**-**	**9,234**
13				
14				
15	1	7,944		**7,944**
16	1	3,404		**3,404**
17	1	7,824		**7,824**
18		**19,172**	**-**	**19,172**
19				
20				
21		716,537	-	**716,537**
22		**716,537**	**-**	**716,537**
23				
24				
25		-		-
26		-	-	-
27		**774,443**	**-**	**774,443**
28	***32.0%***	*18,530*	-	*18,530*
29	***32.0%***			-
30				-
31		**792,972**	**-**	**792,972**
32				
33				
34	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
35				
36				
37	50%	57,492		**57,492**
38	50%	13,594		**13,594**
39	50%	12,455		**12,455**
40	100%	15,865		**15,865**
41	50%	7,948		**7,948**
42	50%	4,787		**4,787**
43	50%	4,038		**4,038**

	C	D	E	F
44	50%	337		**337**
45	50%	4,635		**4,635**
46	50%	3,088		**3,088**
47	50%	3,088		**3,088**
48	50%	3,088		**3,088**
49	50%	3,088		**3,088**
50	50%	3,088		**3,088**
51		**136,591**	**-**	**136,591**
52				
53				
54	2	6,807		**6,807**
55	3	1,848		**1,848**
56	6	22,910		**22,910**
57	12	5,384		**5,384**
58	12	17,037		**17,037**
59		**53,986**	**-**	**53,986**
60				
61				
62	1	906		**906**
63		-		-
64		**906**	**-**	**906**
65				
66				
67	2,000	111,807		**111,807**
68	2,000	114,261		**114,261**
69	800	34,251		**34,251**
70	800	29,584		**29,584**
71	2,400	117,101		**117,101**
72	300	17,279		**17,279**
73	200	11,639		**11,639**
74		**435,922**	**-**	**435,922**
75				
76				
77	4	3,852		**3,852**
78	4	9,186		**9,186**
79	6	19,065		**19,065**
80	6	26,678		**26,678**

	C	D	E	F
81	100	2,601		**2,601**
82	1	1,795		**1,795**
83	12	137		**137**
84		-		**-**
85		**63,314**	**-**	**63,314**
86				
87				
88	12	5,384		**5,384**
89	1	75		**75**
90	12	3,130		**3,130**
91	12	1,346		**1,346**
92	12	314		**314**
93	12	8,076		**8,076**
94	1	5,609		**5,609**
95	1	1,884		**1,884**
96		-		**-**
97		-		-
98		**25,819**	**-**	**25,819**
99		**716,537**	**-**	**716,537**
100	***0.0%***	-	-	-
101		**716,537**	**-**	**716,537**
102				

	A	B
1	**PREDICT-2 Republic of Congo Year 4 Budget - EcoHealth Alliance subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO RoC (TBN)	70,000
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	SCIENTIST/COUNTRY LIAISON TO RoC (TBN)	21,910
11	EPT PARTNER LIAISON (Billy Karesh)	82,626
12	**Fringe Benefits Total**	
13		
14	**Domestic Travel**	
15		
16	**Total Domestic Travel**	
17		
18	**International Travel**	
19	EHA staff to Republic of Congo (sampling trip)	5,784
20	EHA staff to Republic of Congo (scoping visit/meetings with local collaborators)	5,454
21		
22	**Total International Travel**	
23		
24	**Contractual**	
25	Laboratoire National de Sante Publique (LNSP) (detail below)	
26	Laboratoire National de Diagnostic Veterinaire de Brazzaville (LDVB) (detail below)	
27	Meyangui Integrated Health Centre, Brazzaville (detail below)	
28	Columbia University (detail below)	
29	**Total Contractual**	
30		
31	**Supplies**	
32	**PPE (Wildlife)**	
33	Nitrile Large extended cuff (500 per case)	252
34	Nitrile Medium extended cuff (500 per case)	252
35	Nitrile small extended cuff (500 per case)	252
36	N100 respirators (20 per case)	190
37	N95 respirators (80 per case)	243
38	tyvek hooded large (25 per case)	290
39	tyvek hooded medium (25 per case)	290
40	safety glasses	355
41	**Blood Collection**	
42	Isoflurane (250mL/bottle)	35
43	LW-scientific-usa-e8-series-centrifuge	578

	A	B
44	HemataStata II microhematocrit centrifuge	2,325
45	HemataStata II microhematocrit rechargable Ni-metal battery	168
46	HemataStata II microhematocrit centrifuge carrying case	373
47	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
48	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
49	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
50	Hematocrit tube sealant (10 per package)	46
51	Microhematorcrit capillary pipette bulb	10
52	Cryovials 0.5mL (for serum)	588
53	Nunc internally threaded cryovials, 1.8mL	1,385
54	Nunc 3.6 mL	1,603
55	colored caps blue (500 units/case)	170
56	colored caps red (500 units/case)	170
57	colored caps green (500 units/case)	170
58	colored caps yellow (500 units/case)	170
59	colored caps brown (500 units/case)	170
60	colored caps grey (500 units/case)	170
61	Corning cryobox 10x10	153
62	Cotton balls (med)	54
63	BD alcohol swabs	29
64	Needles 27g 3/4	100
65	Needles 25g 3/4	100
66	Needles 23g 3/4	100
67	Needles 18g 3/4	100
68	Red-top vaccutainer 3.0 mL	182
69	Red-top vaccutainer 6.0 mL	206
70	pipette gun: 1 µl -10uL	351
71	pipette gun: 100 µl -1000uL	351
72	pipette gun 20uL-200uL	351
73	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
74	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120
75	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
76	Syringes 1mL	90
77	Syringes 3mL	90
78	Syringes 5mL	90
79	Sharps containers 8 gal	30
80	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
81	Viral transport media (pre-aliquotted)	1,000
82	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
83	Puritan 6' polyester sterile swabs minitip (500 case)	338
84	Povidone iodine prep pad (1000/case)	170
85	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111

	A	B
86	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
87	Triple antibiotic ointment - 0.5gr (20 per package)	6
88	**Measurements**	
89	Fisherbrand* Traceable* Digital Calipers	50
90	OHAUS CS series flat scale	186
91	Pesola® Micro-Line Spring Scale 10 g	54
92	Pesola® Micro-Line Spring Scale 30 g	51
93	Pesola® Micro-Line Spring Scale 60 g	48
94	Pesola® Micro-Line Spring Scale 100 g	50
95	Pesola® LightLine Spring Scale 1000g	39
96	Pesola® LightLine Spring Scale 10kg	125
97	Pesola® LightLine Spring Scale 20kg	135
98	**Clean up**	
99	Autoclave/biohazard bags large 45x36in	134
100	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
101	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
102	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
103	**capture (Bats)**	
104	Cotton holding bag (8in x 12in)	1
105	Cotton holding bag for large bats	3
106	500 lumen rechargable headlamp	81
107	200-300 lumen rechargable headlamp	60
108	Wildlife handling leather gloves (small)	121
109	Wildlife handling leather gloves (large)	121
110	Harp trap 72in by 80in	1,495
111	Baffle bar roost 6 ft	69
112	Replacement catch bag for harp trap	69
113		
114	**Total Supplies**	
115		
116	**Diagnostics**	
117		
118	**Total Diagnostics**	
119		
120	**Other Costs**	
121	Supplies to Republic of Congo (excess baggage charge on commercial flight) (rate per shipping crate)	175
122	Shipping samples/supplies to US	10,000
123		
124	**Total Other Costs**	
125	**Total Direct Costs**	
126	***Indirect Costs***	
127	***Indirect Costs on subagreements & Contracts***	
128	***EHA Global - see tab for details***	
129	**Total Costs**	
130		

	A	B
131	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Laboratoire National de Sante Publique (LNSP)**	
132	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
133		
134	**Salaries**	*Per month*
135	LNSP Technical Lead (Pr. Para)	452
136	LNSP - Senior Lab Tech (Dr Niala)	226
137	LNSP Lab Technician - (Mme Gangone)	181
138		
139		
140	**Salaries Total**	
141		
142	**Fringe Benefits**	
143		
144		
145	**Fringe Benefits Total**	
146		
147	**Domestic Travel**	
148	Sibiti Hospital Human Surveillance	439
149	Field Sample Collection Sibiti	1,307
150	**Total Domestic Travel**	
151		
152	**International Travel**	
153	Trip to Cameroon for training	2,365
154	**Total International Travel**	
155		
156	**Diagnostics**	
157	Cost per sample for testing for all five viral families, including initial extraction	80
158	**Total Diagnostics**	
159		
160	**Supplies**	
161	Local lab supplies	2,000
162	Office supplies	3,158
163	**Total Supplies**	
164		
165	**Other Costs**	
166	Direct Office Operational Costs	570
167	Internet Connection cost	313
168	Strategic Meetings with RoC GoV and local EPT meetings	877
169	Customs Clearance for shipments	877
170	**Total Other Costs**	
171	**Total Direct Costs**	
172	***Indirect Costs***	
173	**Total Costs**	

	A	B
174		
175	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Laboratoire National de Diagnostic Veterinaire de Brazzaville (LDVB)**	
176	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
177		
178	**Salaries**	*Per month*
179	LDVB - Technical Lead (Dr. Ikolakouma)	452
180	LDVB - Senior Lab Tech (Dr. Nina)	226
181	LDVB - Lab Technician (Dr. Ntelo)	181
182		
183	**Total Salaries**	
184		
185	**Domestic Travel**	
186	Field Sample Collection Sibiti	7,484
187		
188	**Total Domestic Travel**	
189		
190	**International Travel**	
191	Trip to Cameroon for training	2,365
192		
193	**Total International Travel**	
194		
195	**Supplies**	
196	Field supplies	2,171
197	Office supplies	3,158
198	**Total Supplies**	
199		
200	**Other Costs**	
201	Direct Office Operational Costs	175
202	Monthly Internet Connection cost	181
203	Laptop	868
204	**Total Other Costs**	
205	**Total Direct Costs**	
206	***Indirect Costs***	
207	**Total Costs**	
208		
209	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Meyangui Integrated Health Centre, Brazzaville**	
210	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
211		
212	**Salaries**	
213	Clinician	15,000
214	Phlebotomist or nurse	15,000
215		

	A	B
216	**Total Salaries**	
217	**Total Direct Costs**	
218	***Indirect Costs***	
219	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	35,000		**35,000**
6	3%	7,919		**7,919**
7		**42,919**	-	**42,919**
8				
9	**31.30%**			
10	50%	10,955		**10,955**
11	3%	2,479		**2,479**
12		**13,434**	-	**13,434**
13				
14				
15		-		-
16		-	-	-
17				
18				
19	3	17,352		**17,352**
20	2	10,908		**10,908**
21		-		-
22		**28,260**	-	**28,260**
23				
24				
25		77,279	-	**77,279**
26		30,132	-	**30,132**
27		7,425		**7,425**
28		-	-	-
29		**114,837**	-	**114,837**
30				
31				
32		-		-
33	2	504		**504**
34	3	756		**756**
35	3	756		**756**
36	4	760		**760**
37	6	1,458		**1,458**
38	3	870		**870**
39	3	870		**870**
40	2	710		**710**
41		-		-
42	15	525		**525**
43	1	578		**578**

	C	D	E	F
44	1	2,325		**2,325**
45	2	336		**336**
46	1	373		**373**
47	1	273		**273**
48	2	26		**26**
49	2	122		**122**
50	2	92		**92**
51	10	100		**100**
52	5	2,940		**2,940**
53	5	6,925		**6,925**
54	1	1,603		**1,603**
55	1	170		**170**
56	1	170		**170**
57	1	170		**170**
58	1	170		**170**
59	1	170		**170**
60	1	170		**170**
61	10	1,530		**1,530**
62	4	218		**218**
63	6	175		**175**
64	5	500		**500**
65	5	500		**500**
66	5	500		**500**
67	5	500		**500**
68	8	1,456		**1,456**
69	2	412		**412**
70	2	702		**702**
71	2	702		**702**
72	2	702		**702**
73	3	360		**360**
74	3	360		**360**
75	3	360		**360**
76	6	540		**540**
77	6	540		**540**
78	6	540		**540**
79	10	300		**300**
80	1	71		**71**
81	1	1,000		**1,000**
82	3	1,245		**1,245**
83	2	676		**676**
84	1	170		**170**
85	2	222		**222**

	C	D	E	F
86	4	92		**92**
87	5	30		**30**
88		-		**-**
89	4	200		**200**
90	2	372		**372**
91	2	108		**108**
92	2	101		**101**
93	2	96		**96**
94	2	100		**100**
95	2	78		**78**
96	2	250		**250**
97	2	270		**270**
98		-		**-**
99	3	402		**402**
100	1	63		**63**
101	1	466		**466**
102	1	308		**308**
103		-		**-**
104	200	276		**276**
105	200	600		**600**
106	4	324		**324**
107	6	360		**360**
108	4	484		**484**
109	4	484		**484**
110	2	2,990		**2,990**
111	2	138		**138**
112	2	138		**138**
113		-		**-**
114		**46,932**	**-**	**46,932**
115				
116				
117		-		**-**
118		**-**	**-**	**-**
119				
120				
121	11	1,925		**1,925**
122	1	10,000		**10,000**
123		-		**-**
124		**11,925**	**-**	**11,925**
125		**258,306**	-	**258,306**
126	**32.0%**	45,910	-	**45,910**
127	**32.0%**	18,376		**18,376**
128				**-**
129		**322,593**	**-**	**322,593**
130				

	C	D	E	F
131				
132	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
133				
134				
135	12	5,424		**5,424**
136	12	2,712		**2,712**
137	12	2,172		**2,172**
138		-		**-**
139		-		**-**
140		**10,308**	**-**	**10,308**
141				
142				
143		-		**-**
144		-		**-**
145		**-**	**-**	**-**
146				
147				
148	4	1,756		**1,756**
149	1	1,307		**1,307**
150		**3,063**	**-**	**3,063**
151		**.**		
152				
153	-	-		**-**
154		**-**	**-**	**-**
155				
156				
157	458	36,640		**36,640**
158		**36,640**	**-**	**36,640**
159		**.**		
160				
161	0	-		**-**
162	0	-		**-**
163		**-**	**-**	**-**
164		**.**		
165				
166	12	6,840		**6,840**
167	12	3,756		**3,756**
168	3	2,631		**2,631**
169	8	7,016		**7,016**
170		**20,243**	**-**	**20,243**
171		**70,254**	-	**70,254**
172	***10.00%***	*7,025*	-	*7,025*
173		**77,279**	**-**	**77,279**

	C	D	E	F
174				
175				
176	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
177				
178				
179	12	5,424		**5,424**
180	12	2,712		**2,712**
181	12	2,172		**2,172**
182		-		-
183		**10,308**	-	**10,308**
184		.		
185				
186	1	7,484		**7,484**
187		-		-
188		**7,484**	-	**7,484**
189		.		
190				
191	-	-		-
192		-		-
193		-	-	-
194		.		
195				
196	1	2,171		**2,171**
197	1	3,158		**3,158**
198		**5,329**	-	**5,329**
199		.		
200				
201	12	2,100		**2,100**
202	12	2,172		**2,172**
203	0	-		-
204		**4,272**	-	**4,272**
205		**27,393**	-	**27,393**
206	***10.00%***	*2,739*	-	*2,739*
207		**30,132**	-	**30,132**
208				
209				
210	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
211				
212				
213	15%	2,250		**2,250**
214	30%	4,500		**4,500**
215		-		-

	C	D	E	F
216		**6,750**	**-**	**6,750**
217		**6,750**	**-**	**6,750**
218	***10.00%***	*675*	-	*675*
219		**7,425**	**-**	**7,425**

	A	B
1	**PREDICT-2 Thailand Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
6	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
11	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
12	**Fringe Benefits Total**	
13		
14	**International Travel**	
15	Scoping visit/meetings with in-country partners	3,822
16	Sampling trip	7,804
17	**Total International Travel**	
18		
19	**Contractual**	
20	Chulalongkorn subagreement (see detail below)	
21	TBD field technician/consultant (for human behavioral work)(includes travel, transciption and translation services)	25,573
22	**Total Contractual**	
23		
24	**Supplies**	
25	Supplies (purchased in US, shipped to Thailand)	5,000
26	Sample/supply shipping costs	5,000
27	**Total Supplies**	
28	**Total Direct Costs**	
29	***Indirect Costs***	
30	***Indirect Costs on Contracts & Subagreements***	
31	***EHA Global - see tab for details***	
32	**Total Costs**	
33		
34	**PREDICT-2 Thailand Year 4 Budget - EHA subagreement to Chulalongkorn University**	
35	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
36		
37	**Salaries**	
38	Country Coordinator: Supaporn	40,000
39	PI-Human study: Prof.Thiravat (Coordinate with local hospital, study design, review cases, data amalysis)	50,000
40	Co-PI-Human study: Dr.Abhinbhen (Review clinical data, select appropiate PREDICT assays, data anaysis)	20,000

	A	B
41	Lab Technician (Senior) Project manager (Prepare paper work/reports, coordinate with other partners, safety officer, manage human study)	20,000
42	IT technician for data mangment, bioinformatic and EIDITH input	15,000
43	Lab Technician Full-time Chonburi Bat, Ratchburi bat and rodent testing = 450 animals (2 specimens, 5-6 viral families) 4600 PCRs	12,000
44	Lab Technician Full-time Loei rodent and bat testing = 400 animals (2 specimens, 5-6 viral families) 4400 PCRs	12,000
45	Lab Technician full-time 100 macaque and 300 human= 400 animals (2 specimens, 5-10 viral families) 5100 PCRs	15,000
46	Lab Technician full-time DNA barcoding = 335 animals (2 genes) 670 PCRs and Sequencing	15,000
47	Hospital Coordinator (coordinate human study)	10,000
48	Field Coordinator (coordinate all animal field trips)	12,000
49	Administrative Support (Full-time)	15,000
50	**Salaries Total**	
51		
52	**Domestic Travel**	
53	Car rental, fuel, driver	449
54	Field team per diem and compenssation (including lodging)(unit # = 1 day/person)	176
55	Internal meetings within Thailand (flight and per diem; unit # = 1 trip, 1 traveler)	3,000
56	**Total Domestic Travel**	
57		
58	**Diagnostics**	
59	Extraction	12
60	RT	18
61	PCR	15
62	Cloning and sequencing (10% positive)	44
63	Barcoding	100
64	**Total Diagnostics**	
65		
66	**Supplies**	
67	PPE	12,000
68	Field disposables and reagents	10,000
69	Nets, traps	5,000
70	Lab supplies and reagents	15,000
71	Office and computer supplies	5,000
72	**Total Supplies**	
73		
74	**Other Costs**	
75	Acknowledgements for human research participants (sampled and interviewed)	10
76	Specimen transportation	100
77	Instrument maintenance / repair	10,000
78	Lab Instruments usage (6 PCR machines, 1 extraction machine, 5 centrifuges, 4 Biosafety cabinets, etc.)	100,000
79	**Total Other Costs**	

	A	B
80	**Total Direct Costs**	
81	***Indirect Costs***	
82	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	10%	14,000		**14,000**
6	33%	22,110		**22,110**
7		**36,110**	**-**	**36,110**
8				
9	**31.30%**			
10	10%	4,382		**4,382**
11	33%	6,920		**6,920**
12		**11,302**	**-**	**11,302**
13				
14				
15	3	11,466		**11,466**
16	2	15,608		**15,608**
17		**27,074**	-	**27,074**
18				
19				
20		481,599	118,700	**600,299**
21	1	25,573		**25,573**
22		**507,172**	**118,700**	**625,872**
23				
24				
25	1	5,000		**5,000**
26	1	5,000		**5,000**
27		**10,000**	**-**	**10,000**
28		**591,658**	**118,700**	**710,358**
29	***32.0%***	*27,036*	-	*27,036*
30	***32.0%***	*8,183*		*8,183*
31				-
32		**626,877**	**118,700**	**745,577**
33				
34				
35	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
36				
37				
38	30%	12,000		**12,000**
39	15%	7,500		**7,500**
40	15%	3,000		**3,000**

	C	D	E	F
41	100%	20,000		**20,000**
42	100%	15,000		**15,000**
43	100%	12,000		**12,000**
44	100%	12,000		**12,000**
45	100%	15,000		**15,000**
46	100%	15,000		**15,000**
47	100%	10,000		**10,000**
48	100%	12,000		**12,000**
49	100%	15,000		**15,000**
50		**148,500**	**-**	**148,500**
51				
52				
53	24	8,767	2,000	**10,767**
54	240	37,175	5,000	**42,175**
55	1	3,000		**3,000**
56		**48,942**	**7,000**	**55,942**
57				
58				
59	1600	18,816		**18,816**
60	2300	40,588		**40,588**
61	2300	33,824		**33,824**
62	230	10,147		**10,147**
63	850	85,000		**85,000**
64		**188,375**	**-**	**188,375**
65				
66				
67	1	12,000		**12,000**
68	1	10,000		**10,000**
69	1	5,000		**5,000**
70	1	7,500	7,500	**15,000**
71	1	2,500	2,500	**5,000**
72		**37,000**	**10,000**	**47,000**
73				
74				
75	200	2,000		**2,000**
76	30	3,000		**3,000**
77	1	10,000		**10,000**
78	1	-	100,000	**100,000**
79		**15,000**	**100,000**	**115,000**

	C	D	E	F
80		**437,817**	**117,000**	**554,817**
81	***10.0%***	*43,782*	*1,700*	**45,482**
82		**481,599**	**118,700**	**600,299**

From:	Elizabeth Leasure <ealeasure@ucdavis.edu>
To:	Molly Turner <turner@ecohealthalliance.org>;David John Wolking <djwolking@ucdavis.edu>
CC:	Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent:	8/23/2017 6:35:45 PM
Subject:	RE: Year 4 revised budget

Hi Molly and Aleksei. Can one of you please confirm whether or not the budget you sent actually includes rollover funds? I haven't looked at it in detail (I'm working on that now), but it seems that your overall budget went up by $90K from the 8/15 version submitted, and I had thought we discussed trying to reduce. Please clarify.

Thanks,
Liz

Elizabeth Leasure
One Health Institute
University of California, Davis
530-754-9034 (office)
530-304-1403 (cell)

From: Molly Turner [mailto:turner@ecohealthalliance.org]
Sent: Friday, August 18, 2017 6:14 PM
To: Elizabeth Leasure; David John Wolking
Cc: Jonna Mazet; Predict inbox; Peter Daszak; Aleksei Chmura; Evelyn Luciano; Ava Sullivan
Subject: Year 4 revised budget

Hi Liz and David,

Thanks for all your comments and the quick chat today. Attached please find our revised Year 4 budget based on your feedback and below bullets on what we modified:

- EHA HQ costs were reduced by $193,529 (including salary, fringe, and indirect) by reducing time from Billy and Jon as well as our Modelling and Analytic Team (Kevin, Noam, and Anna's). Peter asked me to mention that he does not think this is ideal and he hopes this will not be a red flag for USAID, but we have done this specifically to reduce our Global and Administrative costs. He also wanted to assure you that all staff who have been reduced will remain engaged with PREDICT at the same level

- In-country testing budgets for RoC and CIV were increased by $193,529 (amount of HQ reduction) (note that only salary from Billy and Jon previously allocated to Ebola Money was used in CIV)

- Bangladesh hospitals have been reduced to only two and the funds allocated to diagnostic costs in RoC

- Core funds being rolled over from Year 3, totaling $232,194 are obligated to cover our sample testing costs in Bangladesh, China, and Egypt. These assays will be completed in Q1 of Year 4 ($62,071 of Year 3 GVP funds will go towards planned salary & travel in Year 4)

- We project a rollover of $804,193 in EHP funds. In terms of Year 3 costs, $160,000 is earmarked for the 1,850 Liberia samples that have just arrived at Simon's lab (that's $50/sample plus 60% overhead), and the rest will go to cover Year 4 costs

- IRB approval has already been obtained for India and will definitely be secured in Bangladesh before the start of Year 4

- RoC and Ivory Coast IRBs will be amended to transfer from Metabiota to EHA before Year 4 begins.

- Our team is developing the entry tool for the Malaysia human surveillance data, and the updated survey will be sent to CKJ next week.

Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

--
Molly Turner
Federal Grants Coordinator

EcoHealth Alliance
460 West 34th Street – 17th floor

New York, NY 10001

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1.973.752.4627 (cell)
www.ecohealthalliance.org

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From:	Molly Turner <turner@ecohealthalliance.org>
To:	David J Wolking <djwolking@ucdavis.edu>
CC:	Liz Leasure <ealeasure@ucdavis.edu>;Dr. Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent:	8/28/2017 9:08:36 PM
Subject:	Re: Year 4 revised budget

Hi David,

As we're still ironing out details with LANADA, $50/sample was a rough estimate based on costs at Simon's lab and the amount of Ebola money we were able to reallocate from global staff salaries. You're right, it's not enough, so I've moved some things around in the Liberia budget so that we can increase to $150/sample while keeping the overall Ebola-funded amount consistent with the last revision.

For Bangladesh, that was my error; I've added back in the Columbia University portion of the Bangladesh budget in the attached, which is where the additional macaque testing takes place. As for the low cost of testing the 2400 samples to be done at icddr,b (the remaining 1740 macaque samples will be done at Columbia), Mindy tells me that Zia is able to get a reduced bulk rate on reagents, which is why the cost per sample is so low. (I was able to reduce some costs in China in order to fund this).

Finally, the cost of testing in India is consistent with what USAID reviewed and approved when they approved our proposed subaward to Sanjay Gandhi, and our lead lab technician there has consistently said this is the cost of testing at his lab in discussions with Jon and Ava. Unfortunately Jon is not in the office today so I couldn't inquire as to why these costs are relatively low, but I can try to find out from him tomorrow when he's back. Harjeet (the lead lab technician at SG) has also provided us with a breakdown of this cost which we are happy to share with you.

Note that I also further increased the RoC testing costs in the attached.

All changes are highlighted in blue.

Best,
Molly

On Mon, Aug 28, 2017 at 1:32 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thank you!

On Mon, Aug 28, 2017 at 10:16 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

Sorry for the delay, I'm just checking into a few things and will get back to you ASAP.

On Fri, Aug 25, 2017 at 5:35 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Hey Molly and team,

A few quick questions (I hope) on CIV, Bangladesh, and India budgets after finalizing the GHSA country briefs today.

For CIV it looks pretty good given plans, though I'm concerned that the $50/specimen at LANADA is unrealistic for a lab in Africa (IPCI is listed as $150/specimen for comparison; in TZ we go with a likely under budgeted rate of $120/specimen). Any idea how that rate was generated?

For Bangladesh and India, it looks like viral testing costs for both countries are extremely low for the planned number of sites with the exception of IEDCR which now seems on target and justifiable.

Could you reach out to Jon for an explanation on how it is reasonable to expect PREDICT wildlife surveillance at 4 sites in Bangladesh (one of which an intensive macaque longitudinal site) to be adequately covered by a $89K viral testing budget? With that many sites and taxa planned and using the extremely low estimate of $32/sample for extraction and PCRs - this is half what it costs us at UC Davis) I'm getting a ballpark of $140K ($286K if using the UC Davis rate).

Likewise for India, the SPIPMS rate for testing is $37/specimen and states that it only covers extraction and 2 PCRs. That would only allow for testing of one PREDICT viral family as most of our viral testing requires at least 2 PCR reactions to complete. If using the UCD rate the cost jumps to over $300K for the planned work at all sites.

Nothing on Liberia at this time, I'm not an Ebola Host Project expert as the way sample testing is financed through CII and UCD throughs my methods out the window :-)

I'm sure I'll have questions on the other countries as well but we are prioritizing just the GHSA ones at this time.

Cheers and enjoy the weekend!

David

On Fri, Aug 18, 2017 at 6:14 PM, Molly Turner <turner@ecohealthalliance.org> wrote:

Hi Liz and David,

Thanks for all your comments and the quick chat today. Attached please find our revised Year 4 budget based on your feedback and below bullets on what we modified:

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Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

--
Molly Turner
Federal Grants Coordinator

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	A	B	C	D
1	PREDICT-2 Budget - Year 4			
2	Summary by Country & Fund Source			
3		**USAID Core**	**USAID EBOLA**	**USAID GVP (Core)**
4				
5	Global	2,177,372	492,530	124,632
6	Administrative Management	432,428	64,165	146,338
7	***Asia***			
8	Bangladesh	974,058		
9	China	791,455		
10	India	825,927		
11	Indonesia	1,009,723		
12	Malaysia	792,972		
13	Thailand	626,877		
14	**Asia Subtotal**	***5,021,013***	**-**	**-**
15	***Middle East***			
16	Egypt	486,676		
17	Jordan	485,849		
18	**Middle East Subtotal**	***972,524***	**-**	**-**
19	***Africa***			
20	Cote d'Ivoire		767,258	
21	Liberia		1,555,932	
22	RoC	482,909		
23	**Africa Subtotal**	**482,909**	**2,323,189**	**-**
24				
25	**Total**	**9,086,246**	**2,879,884**	**270,969**
26				
27	**TOTAL USAID**	**$ 12,237,100**		
28	**TOTAL Cost Share**	**$ 297,450**		
29		**$ 12,534,550**		

	E	F
1		
2		
3	**Cost Share**	**TOTAL**
4		
5	-	2,794,534
6	67,918	710,848
7		
8	57,860	1,031,918
9	7,828	799,283
10	-	825,927
11	-	1,009,723
12	-	792,972
13	118,700	745,577
14	***184,388***	***5,205,401***
15		
16	45,145	531,821
17	-	485,849
18	***45,145***	***1,017,669***
19		
20	-	767,258
21	-	1,555,932
22	-	482,909
23	**-**	**2,806,098**
24		
25	**297,450**	**12,534,550**
26		
27		
28		
29		

	A	B
1	**PREDICT-2 Global Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	INSTITUTIONAL LEAD (Peter Daszak)	310,000
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR (Leilani Francisco)	164,800
8	EHA OUTBREAK LEAD (Jon Epstein)	155,000
9	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
10	DISEASE ECOLOGIST (Noam Ross)	83,210
11	DATA ANALYST (Carlos Zambrana-Torrelio)	102,900
12	SURVEILLANCE COORDINATOR (Melinda Rostal)	91,160
13	DATA ANALYST II (Christopher Allen)	105,000
14	LABORATORY ASSISTANT (Eliza Liang-Choi)	56,952
15	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	59,500
16	EHA OPERATIONS MANAGER (Evelyn Luciano)	139,920
17	PROGRAM COORDINATOR (Aleksei Chmura)	122,000
18	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba)	76,000
19	EHA OPERATIONS COORDINATOR (Molly Turner)	65,000
20	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	49,000
21	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
22	MODELING AND ANALYTICS SCIENTIST (Evan Eskew)	66,675
23	MODELING AND DATA ANALYTICS ASSISTANT (Anna Willoughby)	47,700
24	MODELING AND DATA ANALYTICS ASSISTANT II (Cale Basaraba)	58,300
25	RESEARCH ASSISTANT (Janice Liang)	42,400
26	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	60,000
27	MODELING AND ANALYTICS SCIENTIST/COUNTRY LIAISON, MALAYSIA (Allison White)	70,000
28	MODELING AND ANALYTICS SCIENTIST (Erica Johnson)	55,000
29	BEHAVIORAL RISK ASSISTANT I (TBN)	45,000
30	BEHAVIORAL RISK ASSISTANT II (TBN)	50,000
31	FIELD VETERINARIAN (Leticia Gutierrez)	76,000
32	ECONOMIST/ANALYST (Yasha Feferholtz)	80,483
33	SENIOR HEALTH AND POLICY SPECIALIST (Ellen Carlin)	135,000
34		
35	**Salaries Total**	
36		
37	**Fringe Benefits**	
38	INSTITUTIONAL LEAD (Peter Daszak)	97,030
39	EPT PARTNER LIAISON (Billy Karesh)	82,626
40	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR (Leilani Francisco)	51,582
41	EHA OUTBREAK LEAD (Jon Epstein)	48,515
42	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
43	DISEASE ECOLOGIST (Noam Ross)	26,045
44	DATA ANALYST (Carlos Zambrana-Torrelio)	32,208
45	SURVEILLANCE COORDINATOR (Melinda Rostal)	28,533

	A	B
46	DATA ANALYST II (Christopher Allen)	32,865
47	LABORATORY ASSISTANT (Eliza Liang-Choi)	17,826
48	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	18,624
49	EHA OPERATIONS MANAGER (Evelyn Luciano)	43,795
50	PROGRAM COORDINATOR (Aleksei Chmura)	38,186
51	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba)	23,788
52	EHA OPERATIONS COORDINATOR (Molly Turner)	20,345
53	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	15,337
54	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
55	MODELING AND ANALYTICS SCIENTIST (Evan Eskew)	20,869
56	MODELING AND DATA ANALYTICS ASSISTANT (Anna Willoughby)	14,930
57	MODELING AND DATA ANALYTICS ASSISTANT II (Cale Basaraba)	18,248
58	RESEARCH ASSISTANT (Janice Liang)	13,271
59	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	18,780
60	MODELING AND ANALYTICS SCIENTIST/COUNTRY LIAISON, MALAYSIA (Allison White)	21,910
61	MODELING AND ANALYTICS SCIENTIST (Erica Johnson)	17,215
62	BEHAVIORAL RISK ASSISTANT I (TBN)	14,085
63	BEHAVIORAL RISK ASSISTANT II (TBN)	15,650
64	FIELD VETERINARIAN (Leticia Gutierrez)	23,788
65	ECONOMIST/ANALYST (Yasha Feferholtz)	25,191
66	SENIOR HEALTH AND POLICY SPECIALIST (Ellen Carlin)	42,255
67	0	-
68	**Fringe Benefits Total**	
69		
70	**International Travel**	
71	INSTITUTIONAL LEAD (Peter Daszak) to TBD conference to present on PREDICT results or participate in panel	8,280
72	EPT PARTNER LIAISON (Billy Karesh) to USAID EPT Asia meeting	8,895
73	EPT PARTNER LIAISON (Billy Karesh) to FAO/OIE/WHO meetings, Paris, France (OIE); Rome (FAO); Geneva (WHO)	6,754
74	EPT PARTNER LIAISON (Billy Karesh) to USAID Regional, Africa	6,258
75	DATA ANALYST (Carlos Zambrana-Torrelio) to Rome, Italy for meetings with FAO	4,063
76	Other International Travel, including Planning and Outreach Meetings	5,182
77	**Total International Travel**	
78		
79	**Contractual**	
80		
81		
82	**Total Contractual**	
83	**Total Direct Costs**	
84	***Indirect Costs***	
85	***Indirect Costs on Contracts & Subagreements***	
86	**Total Costs**	
87		

	C	D	E	F	G
1					
2	**UNIT # / LOE %**	**USAID Core**	**USAID EBOLA**	**USAID GVP**	**Cost Share**
3					
4					
5	32%	45,632	29,760	23,808	
6	41%	64,939	43,293		
7	100%	107,120	57,680		
8	10%	13,950	1,550		
9	45%	63,000			
10	80%	66,568			
11	59%	46,747		13,964	
12	20%	16,409	1,823		
13	40%	42,000			
14	100%	51,257	5,695		
15	75%	29,006	15,619		
16	90%	113,335	12,593		
17	52%	57,096	6,344		
18	49%	37,240			
19	100%	48,750	16,250		
20	75%	33,075	3,675		
21	33%	22,110			
22	100%	66,675			
23	90%	42,930			
24	100%	58,300			
25	15%	5,724	636		
26	0%	-			
27	20%	14,000			
28	40%	22,000			
29	100%	29,250	15,750		
30	100%	32,500	17,500		
31	100%	38,000	38,000		
32	28%			22,535	
33	30%	40,500			
34		-			
35		**1,208,114**	**266,168**	**60,307**	**-**
36					
37	**31.30%**				
38	32%	15,525	8,383	7,141	
39	41%	22,020	11,857		
40	100%	33,529	18,054		
41	10%	2,426	2,426		
42	45%	19,719			
43	80%	20,836			
44	59%	14,632		4,371	
45	20%	5,136	571		

	C	D	E	F	G
46	40%	13,146			
47	100%	16,043	1,783		
48	75%	9,079	4,889		
49	90%	35,474	3,942		
50	52%	17,871	1,986		
51	49%	11,656			
52	100%	15,259	5,086		
53	75%	10,352	1,150		
54	33%	6,920			
55	100%	20,869			
56	90%	13,437			
57	100%	18,248			
58	15%	1,792	199		
59	80%	15,024			
60	20%	4,382			
61	40%	6,886			
62	100%	9,155	4,930		
63	100%	10,173	5,478		
64	100%	11,894	11,894		
65	28%			7,053	
66	30%	12,677			
67	0%	-			
68		**394,159**	**82,626**	**18,565**	**-**
69					
70					
71	1	8,280			
72	1	8,895			
73	5	21,951	11,820		
74	2		12,516		
75	2	8,126			
76	3			15,546	
77		**47,252**	**24,336**	**15,546**	**-**
78					
79					
80		-	-	-	
81		-	-	-	
82		**-**	**-**	**-**	**-**
83		**1,649,524**	**373,129**	**94,418**	**-**
84	***32.0%***	*527,848*	*119,401*	*30,214*	-
85	***32.0%***	-	-	-	
86		**2,177,372**	**492,530**	**124,632**	**-**
87					

	H
1	
2	**Year 4 Total**
3	
4	
5	**99,200**
6	**108,232**
7	**164,800**
8	**15,500**
9	**63,000**
10	**66,568**
11	**60,711**
12	**18,232**
13	**42,000**
14	**56,952**
15	**44,625**
16	**125,928**
17	**63,440**
18	**37,240**
19	**65,000**
20	**36,750**
21	**22,110**
22	**66,675**
23	**42,930**
24	**58,300**
25	**6,360**
26	**-**
27	**14,000**
28	**22,000**
29	**45,000**
30	**50,000**
31	**76,000**
32	**22,535**
33	**40,500**
34	**-**
35	**1,534,588**
36	
37	
38	**31,050**
39	**33,877**
40	**51,582**
41	**4,852**
42	**19,719**
43	**20,836**
44	**19,003**
45	**5,707**

	H
46	**13,146**
47	**17,826**
48	**13,968**
49	**39,415**
50	**19,857**
51	**11,656**
52	**20,345**
53	**11,503**
54	**6,920**
55	**20,869**
56	**13,437**
57	**18,248**
58	**1,991**
59	**15,024**
60	**4,382**
61	**6,886**
62	**14,085**
63	**15,650**
64	**23,788**
65	**7,053**
66	**12,677**
67	**-**
68	**495,350**
69	
70	
71	**8,280**
72	**8,895**
73	**33,770**
74	**12,516**
75	**8,126**
76	**15,546**
77	**87,133**
78	
79	
80	**-**
81	**-**
82	**-**
83	**2,117,071**
84	*677,463*
85	-
86	**2,794,534**
87	

	A	B
1	**PREDICT-2 Administrative Management Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	PROGRAM ASSISTANT I (Alison Andre)	65,000
6	PROGRAM ASSISTANT II (Brian Baker)	44,520
7	PROGRAM ASSISTANT III (Amanda Andre)	49,000
8	PUBLIC OUTREACH COORDINATOR (Anthony Ramos)	131,250
9	FINANCE COORDINATOR II (Joseph Ricardi)	75,000
10	RESEARCH SCIENTIST (Brooke Watson)	65,000
11	**Salaries Total**	
12		
13	**Fringe Benefits**	
14	PROGRAM ASSISTANT I (Alison Andre)	20,345
15	PROGRAM ASSISTANT II (Brian Baker)	13,935
16	PROGRAM ASSISTANT III (Amanda Andre)	15,337
17	PUBLIC OUTREACH COORDINATOR (Anthony Ramos)	41,081
18	FINANCE COORDINATOR II (Joseph Ricardi)	23,475
19	RESEARCH SCIENTIST (Brooke Watson)	20,345
20	**Fringe Benefits Total**	
21		
22	**Domestic Travel**	
23	INSTITUTIONAL LEAD (Peter Daszak) to USAID meeting, Wash. DC; 4 trips	1,200
24	EPT PARTNER LIAISON (Billy Karesh) to USAID meeting, Wash. DC; 4 trips	1,200
25	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to USAID meeting, Wash. DC; 4 trips	1,200
26	INSTITUTIONAL LEAD (Peter Daszak) to IOM meeting, Wash. DC; 4 trips	1,200
27	EPT PARTNER LIAISON (Billy Karesh)to IOM or EBOLA meetings, Wash. DC	1,200
28	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to IOM meeting, Wash. DC	1,200
29	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival) to IOM meeting, Wash. DC	1,200
30	OUTBREAK COORDINATOR (Jon Epstein) to IOM meeting, Wash., DC	1,200
31	INSTITUTIONAL LEAD (Peter Daszak) to PREDICT Meeting at UCDavis; 1trip	1,734
32	EPT PARTNER LIAISON (Billy Karesh) to PREDICT Meeting at UCDavis; 1trip	1,734
33	SENIOR BEHAVIORAL SURVEILLANCE COORDINATOR to PREDICT Meeting at UCDavis; 1trip	1,734
34	OUTBREAK COORDINATOR (Jon Epstein) to PREDICT Meeting at UCDavis; 1trip	1,734
35	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival) to PREDICT Meeting at UCDavis; 1trip	1,734
36	ASSISTANT BEHAVIORAL RISK & DATA ANALYST (Emily Hagan) to PREDICT Meeting at UCDavis; 1trip	1,734
37	DATA ANALYST (Carlos Zambrana-Torrelio) to PREDICT Meeting at UCDavis; 1trip	1,734
38	BEHAVIORAL RISK & DATA ANALYST (TBN) to PREDICT Meeting at UCDavis; 1trip	1,734
39	WILDLIFE TRADE SPECIALIST (Melinda Rostal) to PREDICT Meeting at UCDavis; 1trip	1,734
40	ASSISTANT TO EPT PARTNER LIAISON (Catherine Machalaba) to APHA conference, Chicago, IL	1,150

	A	B
41	Other Domestic Travel, including Planning and Outreach Meetings	1,752
42		
43		
44	**Total Domestic Travel**	
45		
46	**Supplies**	
47	Central Office Suplies (incl. reference materials)	1,313
48	Computer purchases, computer supplies, software purchases and licensing	17,589
49	Shipping (EHA)	5,250
50	Communications (cell phones, conference line, Skype, remote wireless internet)	2,800
51	Web and Data Hosting	438
52	EHA Field supplies	10,815
53	**Total Supplies**	
54		
55	**Other Costs**	
56	Web hosting costs for One Health web events	500
57	Recruiting	32,800
58	Publication Costs & Professional Memberships	51,000
59	Bank wire/transfer fees	5,000
60	Tuition reimbursement	26,500
61	**Total Other Costs**	
62	**Total Direct Costs**	
63	***Indirect Costs***	
64	**Total Costs**	

	C	D	E	F	G	H
1						
2	**UNIT # / LOE %**	**USAID Core**	**USAID EBOLA**	**USAID GVP**	**Cost Share**	**Year 4 Total**
3						
4						
5	55%	32,175	3,575			**35,750**
6	100%	40,068	4,452			**44,520**
7	28%	12,348	1,372			**13,720**
8	19%				24,938	**24,938**
9	19%				14,250	**14,250**
10	95%			61,750		**61,750**
11		**84,591**	**9,399**	**61,750**	**39,188**	**194,928**
12						
13	**31.30%**					
14	55%	10,071	1,119			**11,190**
15	100%	12,541	1,393			**13,935**
16	28%	3,865	429			**4,294**
17	19%				7,805	**7,805**
18	19%				4,460	**4,460**
19	95%			19,328		**19,328**
20		**26,477**	**2,942**	**19,328**	**12,266**	**61,012**
21						
22						
23	4	3,840	960			**4,800**
24	4	3,120	1,680			**4,800**
25	4	2,400	2,400			**4,800**
26	4	3,840	960			**4,800**
27	4	3,120	1,680			**4,800**
28	4	2,400	2,400			**4,800**
29	4	4,800				**4,800**
30	4	2,400	2,400			**4,800**
31	1	1,387	347			**1,734**
32	1	1,127	607			**1,734**
33	1	867	867			**1,734**
34	1	867	867			**1,734**
35	1	1,734				**1,734**
36	1	1,127	607			**1,734**
37	1	1,734				**1,734**
38	1	1,127	607			**1,734**
39	1	1,561	173			**1,734**
40	1	1,150				**1,150**

	C	D	E	F	G	H
41	17			29,784		**29,784**
42						**-**
43						**-**
44		**38,601**	**16,555**	**29,784**	**-**	**84,940**
45						
46						
47	12	14,180	1,576	-		**15,756**
48	1	15,830	1,759	-		**17,589**
49	1	4,725	525	-		**5,250**
50	12	30,240	3,360	-		**33,600**
51	12	4,730	526	-		**5,256**
52	1	9,734	1,082	-		**10,815**
53		**79,439**	**8,827**	-	-	**88,266**
54						
55						
56	1	500		-		**500**
57	1	29,520	3,280	-		**32,800**
58	1	45,900	5,100	-		**51,000**
59	1	4,500	500	-		**5,000**
60	1	23,850	2,650	-		**26,500**
61		**104,270**	**11,530**	**-**	**-**	**115,800**
62		**333,378**	**49,252**	**110,862**	**51,453**	**544,946**
63	***32.0%***	*99,049*	*14,913*	*35,476*	*16,465*	*165,903*
64		**432,428**	**64,165**	**146,338**	**67,918**	**710,848**

	A	B
1	**PREDICT-2 Bangladesh Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	59,500
6	EHA OUTBREAK LEAD (Jon Epstein)	152,250
7	SURVEILLANCE COORDINATOR (Melinda Rostal)	90,300
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	ASSISTANT BEHAVIORAL RISK COORDINATOR (Emily Hagan)	18,624
12	EHA OUTBREAK LEAD (Jon Epstein)	47,654
13	SURVEILLANCE COORDINATOR (Melinda Rostal)	28,264
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners (3 travelers)	4,704
18	Sampling trip (2 travelers)	9,401
19	**Total International Travel**	
20		
21	**Contractual**	
22	icddr,b subagreement (detail below)	
23	IEDCR subagreement (detail below)	
24	Columbia University subagreement (detail below)	
25	Ariful Islam (detail below)	
26	Faridpur Medical College (FMC) Hospital (detail below)	
27	Dhaka Medical Colege (DMC) Hospital (detail below)	
28	Dinajpur Medical College Hospital (detail below)	
29	Rajshahi Medical College Hospital(detail below)	
30	**Total Contractual**	
31		
32	**Supplies**	
33		
34		
35	**Total Supplies**	
36		
37	**Other Costs**	
38		
39	**Total Other Costs**	
40	**Total Direct Costs**	
41	***Indirect Costs***	***32.0%***
42	***Indirect Costs on Contracts & Subagreements***	***32.0%***
43	***EHA Global - see tab for details***	
44	**Total Costs**	

	A	B
45		
46	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to icddr,b**	
47	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
48		
49	**Salaries**	
50	Dr. Mustafizur Rahman; Scientist	32,188
51	Dr. Md. Enyaet Hossain	23,756
52	Dr. Mustafizur Rahman	41,283
53	Md. Tarikul Islam; Assistant Coordination Manager	17,306
54	Research Officer (FT)	8,334
55	Research Officer	5,436
56	Attendent (FT)	6,246
57	Director, Finance	17,550
58	Director, HR	20,250
59	**Salaries Total**	
60		
61	**International Travel**	
62		
63	**Total International Travel**	
64		
65	**Diagnostics**	
66	TriZOl (bulk)	5,000
67	Reagents for sample processing (cost per sample)	3
68	Nucleic acid extraction	7
69	cDNA preparation	8
70	PCR detection	3
71	Sequencing	10
72	Consumables (pipettes, test tubes)(bulk)	1
73	Barcoding, positive samples (additional extraction, PCR (1 test), and sequencing)	20
74	Barcoding, negative samples (PCR (1 test) and sequencing)	13
75	**Diagnostics Total**	
76		
77	**Other Costs**	
78	RT-PCR machine; BioRad CFX96 Touch usage	17,860
79		
80	**Total Other Costs**	
81	**Total Direct Costs**	
82	***icddr,b Indirect Costs***	
83	**Total Costs**	
84		
85	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to IEDCR**	
86	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
87		
88	**Salaries**	
89	Project Manager (Local PI) -Director IEDCR	35,000

	A	B
90	New Research Officer (Laboratory) - Dr. Josefina Abedin	15,780
91	Medical technologist	4,680
92	Field Anthropologist-Moshumi	9,360
93	Field Anthropologist-Shakil	9,360
94	New Field Vet (Epi) Dr. kaiser	15,780
95	Field Coordinator Epidemiology - Dr. Sharif	18,265
96	Senior Field Research Assistant- Mr. Mamun	6,253
97	**Salaries Total**	
98		
99	**Fringe Benefits**	
100	Project Manager (Local PI) -Director IEDCR	12,250
101	New Research Officer (Laboratory) - Dr. Josefina Abedin	5,523
102	Medical technologist	1,638
103	Field Anthropologist-Moshumi	3,276
104	Field Anthropologist-Shakil	3,276
105	New Field Vet (Epi) Dr. kaiser	5,523
106	Field Coordinator Epidemiology - Dr. Sharif	6,393
107	Senior Field Research Assistant- Mr. Mamun	2,189
108	**Fringe Benefits Total**	
109		
110	**Domestic Travel**	
111	Transportation (cost per trip)	1,450
112	Meal and accomodation (cost per trip)	1,200
113	**Total Domestic Travel**	
114		
115	**Diagnostics**	
116	Human sample testing (5 priority families)	74
117	Outbreak diagnostics	66
118	**Total Diagnostics**	
119		
120	**Supplies**	
121	Field supplies (PPE, syringes, etc.)	1,583
122		
123	**Total Supplies**	
124		
125	**Other Costs**	
126	Data translation and Transcription	10
127	Acknowledgements for human subject participants	20
128	Stakeholder coordination meeting	800
129	**Total Other Costs**	
130	**Total Direct Costs**	
131	***IEDCR Indirect Costs***	
132	**Total Costs**	
133		
134	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to Columbia University**	

	A	B
135	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
136		
137	**Salaries**	
138	Simon Anthony - Associate Research Scientist	125,000
139	Isa Navarette - Senior Technician	50,375
140	Alex Petrosov - Deep Sequencing Technician	55,413
141	Bohyun Lee - Bioinformatics	54,737
142	Brittany Miller - Project Manager	56,067
143	**Salaries Total**	
144		
145	**Fringe Benefits**	
146	Simon Anthony - Associate Research Scientist	-
147	Isa Navarette - Senior Technician	-
148	Alex Petrosov - Deep Sequencing Technician	-
149	Bohyun Lee - Bioinformatics	-
150	Brittany Miller - Project Manager	-
151	**Fringe Benefits Total**	
152		
153	**Diagnostics**	
154	Cost per sample for testing for all five viral families, including initial extraction	50
155		
156	**Total Diagnostics**	
157		
158	**Other costs**	
159	Sanger sequencing of approximately 750 positive samples (8 sequences each, $5/sequence)	41
160	**Total other costs**	
161	**Total Direct Costs**	
162	***Indirect costs***	
163	**Total Costs**	
164		
165	**PREDICT-2 Bangladesh Year 4 Budget - EHA contract to Ariful Islam (consultant)**	
166	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
167		
168	**Salaries**	
169	Program Coordinator Ariful Islam	61,425
170	Senior Field technician Pitu	4,875
171	Senior Field Technician Gafur	4,394
172	Field technician Abdul Hai	4,225
173		
174	**Salaries Total**	
175		
176	**Fringe Benefits**	
177	Program Coordinator Ariful Islam	9,982

	A	B
178	Insurance coverage for field team	570
179		
180	**Fringe Benefits Total**	
181		
182	**Domestic Travel**	
183	Official local transport/vehicle cost	890
184	Transport cost for field work, Macaque sampling (cost per trip)	1275
185	Meal, accomodation and other expenses, Macaque sampling (cost per trip)	995
186	Transport cost for field work, non-invasive macaque sampling (cost per trip)	690
187	Meal, accomodation and other expenses, non-invasive macaque sampling (cost per trip)	525
188	Transport cost for field work, bat and rodent sampling (cost per trip)	1276
189	Meal, accomodation and other expenses, bat and rodent sampling (cost per trip)	920
190	Per diem for forestry personnel (cost per trip)	475
191	**Total Domestic Travel**	
192		
193	**International Travel**	
194		
195	**Total International Travel**	
196		
197	**Supplies**	
198	Stationary and office supplies	250
199	Field expenses, outbreak response	5,000
200	Sampling consumables (pipettes, swabs, PPE), macaque sampling (cost per trip)	1,230
201	Sampling consumables, non-invasive macaque sampling (cost per trip)	825
202	Sampling consumables, bat and rodent sampling (cost per trip)	1,250
203	**Total Supplies**	
204		
205	**Other Costs**	
206	Wildlife AMR bacterial project work at CVASU and BLRI (culture and sensitvity experiments using fecal samples)	6,000
207	Office rent	325
208	Telephone, PREDICT calls, internet and mobile card (monthly)	450
209	Bank fees	1,404
210	**Total Other Costs**	
211	**Total Direct Costs**	
212	***No Indirect Costs***	
213	**Total Costs**	
214		
215	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement Faridpur Medical College (FMC) Hospital**	
216	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
217		
218	**Salaries**	
219	Clinician	15,000
220	Phlebotomist or nurse	15,000

	A	B
221	**Salaries Total**	
222	**Total Direct Costs**	
223	***Indirect Costs***	
224	**Total Costs**	
225		
226	**PREDICT-2 Bangladesh Year 4 Budget - EHA subagreement to Dhaka Medical Colege (DMC) Hospital**	
227	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
228		
229	**Salaries**	
230	Clinician	15,000
231	Phlebotomist or nurse	15,000
232	**Salaries Total**	
233	**Total Direct Costs**	
234	***Indirect Costs***	
235	**Total Costs**	
236		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	25%	14,875		**14,875**
6	10%	15,225		**15,225**
7	10%	9,030		**9,030**
8		**39,130**	**-**	**39,130**
9				
10	**31.30%**			
11	25%	4,656		**4,656**
12	10%	4,765		**4,765**
13	10%	2,826		**2,826**
14		**12,248**	**-**	**12,248**
15				
16				
17	3	14,112		**14,112**
18	2	18,802		**18,802**
19		**32,914**	**-**	**32,914**
20				
21				
22		148,481	17,860	**166,341**
23		223,372	-	**223,372**
24		192,442	40,000	**232,442**
25		188,185	-	**188,185**
26		18,975	-	**18,975**
27		18,975	-	**18,975**
28		-	-	**-**
29		-	-	**-**
30		**790,430**	**57,860**	**848,290**
31				
32				
33		-		**-**
34		-		**-**
35		**-**	**-**	**-**
36				
37				
38		-		**-**
39		**-**	**-**	**-**
40		**874,722**	**57,860**	**932,582**
41		*26,973*	-	*26,973*
42		*72,363*		*72,363*
43				-
44		**974,058**	**57,860**	**1,031,918**

	C	D	E	F
45				
46				
47	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
48				
49				
50	25%	8,047		**8,047**
51	25%	5,939		**5,939**
52	12%	4,954		**4,954**
53	16%	2,769		**2,769**
54	100%	8,334		**8,334**
55	100%	5,436		**5,436**
56	50%	3,123		**3,123**
57	2%	351		**351**
58	2%	405		**405**
59		**39,358**	**-**	**39,358**
60				
61				
62		-		**-**
63		**-**	**-**	**-**
64				
65				
66	1	5,000		**5,000**
67	2,400	7,500		**7,500**
68	2,400	17,500		**17,500**
69	2,400	18,000		**18,000**
70	12,000	30,000		**30,000**
71	300	3,000		**3,000**
72	2,400	2,500		**2,500**
73	300	5,938		**5,938**
74	495	6,188		**6,188**
75		**95,625**	**-**	**95,625**
76				
77				
78	1	-	17,860	**17,860**
79		-		**-**
80		**-**	**17,860**	**17,860**
81		**134,983**	**17,860**	**152,843**
82	**10.0%**	*13,498*	-	*13,498*
83		**148,481**	**17,860**	**166,341**
84				
85				
86	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
87				
88				
89	15%	5,250		**5,250**

	C	D	E	F
90	83%	13,097		**13,097**
91	83%	3,884		**3,884**
92	83%	7,769		**7,769**
93	83%	7,769		**7,769**
94	83%	13,097		**13,097**
95	100%	18,265		**18,265**
96	100%	6,253		**6,253**
97		**75,385**	-	**75,385**
98	**35.0%**			
99				
100	15%	1,838		**1,838**
101	83%	4,584		**4,584**
102	83%	1,360		**1,360**
103	83%	2,719		**2,719**
104	83%	2,719		**2,719**
105	83%	4,584		**4,584**
106	100%	6,393		**6,393**
107	100%	2,189		**2,189**
108		**26,385**	-	**26,385**
109				
110				
111	9	13,050		**13,050**
112	9	10,800		**10,800**
113		**23,850**	-	**23,850**
114				
115				
116	600	44,550		**44,550**
117	100	6,600		**6,600**
118		**51,150**	-	**51,150**
119				
120				
121	12	18,996		**18,996**
122		-		-
123		**18,996**	-	**18,996**
124				
125				
126	450	4,500		**4,500**
127	100	2,000		**2,000**
128	1	800		**800**
129		**7,300**	-	**7,300**
130		**203,065**	-	**203,065**
131	**10.0%**	*20,307*	-	*20,307*
132		**223,372**	-	**223,372**
133				
134				

	C	D	E	F
135	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
136				
137				
138	22%	27,500		**27,500**
139	30%	15,113		**15,113**
140	17%	9,237		**9,237**
141	8%	4,560		**4,560**
142	3%	1,867		**1,867**
143		**58,276**	**-**	**58,276**
144	**28.2%**			
145				
146	22%	-		-
147	30%	-		-
148	17%	-		-
149	8%	-		-
150	3%	-		-
151		-	-	-
152				
153				
154	1740	87,000		**87,000**
155		-		-
156		**87,000**	**-**	**87,000**
157				
158				
159	0	(25,000)	25,000	-
160		**(25,000)**	**25,000**	-
161		**120,276**	**25,000**	**145,276**
162	**60.0%**	*72,166*	*15,000*	*87,166*
163		**192,442**	**40,000**	**232,442**
164				
165				
166	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
167				
168				
169	100%	61,425		**61,425**
170	100%	4,875		**4,875**
171	100%	4,394		**4,394**
172	100%	4,225		**4,225**
173		-		-
174		**74,919**	**-**	**74,919**
175	**16.25%**			
176				
177	100.0%	9,982		**9,982**

	C	D	E	F
178	12	6,840		**6,840**
179		-		-
180		**16,822**	-	**16,822**
181				
182				
183	12	10,680		**10,680**
184	2	2,550		**2,550**
185	2	1,990		**1,990**
186	6	4,140		**4,140**
187	6	3,150		**3,150**
188	6	7,656		**7,656**
189	6	5,520		**5,520**
190	12	5,700		**5,700**
191		**41,386**	-	**41,386**
192				
193				
194		-		-
195		-	-	-
196				
197				
198	12	3,000		**3,000**
199	1	5,000		**5,000**
200	2	2,460		**2,460**
201	6	4,950		**4,950**
202	6	7,500		**7,500**
203		**22,910**	-	**22,910**
204				
205				
206	1	6,000		**6,000**
207	12	3,900		**3,900**
208	12	5,400		**5,400**
209	12	16,848		**16,848**
210		**32,148**	-	**32,148**
211		**188,185**	-	**188,185**
212	**0.0%**	-	-	-
213		**188,185**	-	**188,185**
214				
215				
216	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
217				
218				
219	15%	2,250		**2,250**
220	100%	15,000		**15,000**

	C	D	E	F
221		**17,250**	**-**	**17,250**
222		**17,250**	-	17,250
223	***10.0%***	*1,725*	-	1,725
224		**18,975**	**-**	**18,975**
225				
226				
227	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
228				
229				
230	15%	2,250		**2,250**
231	100%	15,000		**15,000**
232		**17,250**	**-**	**17,250**
233		**17,250**	**-**	17,250
234	***10.0%***	*1,725*	-	1,725
235		**18,975**	**-**	**18,975**
236				

	A	B
1	**PREDICT-2 China Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	CHINA COUNTRY LIAISON (TBN)	50,000
6	INSTITUTIONAL LEAD (Peter Daszak)	310,000
7	PROGRAM COORDINATOR (Aleksei Chmura)	122,000
8	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	60,000
9	**Salaries Total**	
10		
11	**Fringe Benefits**	
12	CHINA COUNTRY LIAISON (TBN)	15,650
13	INSTITUTIONAL LEAD (Peter Daszak)	97,030
14	PROGRAM COORDINATOR (Aleksei Chmura)	38,186
15	TRADE AND DEFORESTATION PROGRAM ASSISTANT (Hongying Li)	18,780
16	**Fringe Benefits Total**	
17		
18	**International Travel**	
19	Scoping visit/meetings with in-country partners	4,039
20	Sampling trip	10,165
21		
22		
23	**Total International Travel**	
24		
25	**Contractual**	
26	Institute of Microbiology, Chinese Academy of Sciences (detail below)	
27	Wuhan Institute of Virology subagreement (detail below)	
28	Guangdong School of Public Health (detail below)	
29	Yunnan Institute of Endemic Diseases Control and Prevention (detail below)	
30	Institute of Pathogen Biology, Chinese Academy of Medical Sciences (detail below)	
31	GuangJian Zhu (field technician/coordinator)(includes stipend, field supplies, travel costs)	264,705
32	**Total Contractual**	
33		
34	**Supplies**	
35		
36		
37	**Total Supplies**	
38	**Total Direct Costs**	
39	***Indirect Costs***	
40	***Indirect Costs on Contracts & Subagreements***	
41	***EHA Global - see tab for details***	
42	**Total Costs**	
43		
44	**PREDICT-2 China Year 4 Budget - EHA subagreement to Institute of Microbiology, Chinese Academy of Sciences**	

	A	B
45	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
46		
47	**Salaries**	
48	Dr. Yueying Jiao (full time)	19,697
49	Lab technician (TBN)	8,182
50	Lab technician II (TBN)	8,182
51	**Salaries Total**	
52		
53	**Domestic Travel**	
54		
55		
56	**Total Domestic Travel**	
57		
58	**Diagnostics**	
59	Direct-zol™ RNA MiniPrep (cost per reaction)	38
60	SUPERSCRIPT III REV TRANSCRIPT 10,000 UN (50 reactions)	21,641
61	dNTP Mix, 10 mM each (4*0.25ml)	278
62	Recombinant RNase Inhibitor(125ul/5000U)	855
63	PLATINUM TAQ DNA POLYMERASE (250*25ul reactions)	2,245
64	Random primer (100 reactions)	273
65	Primer synthesis (bp)	303
66	**Total Diagnostics**	
67		
68	**Supplies**	
69	Lab consumable (i.e. pipette and tubes)	7,576
70	Other reagents	1,515
71	**Total Supplies**	
72	**Total Direct Costs**	
73	***Indirect Costs***	
74	**Total Costs**	
75		
76	**PREDICT-2 China Year 4 Budget - EHA subagreement to Wuhan Institute of Virology**	
77	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
78		
79	**Salaries**	
80	Project Coordinator -- lab, Z.SHI (WIV)	85,000
81	Technician I	24,000
82	Technician II	24,000
83	Research Assistant I	24,000
84	Research Assistant II	24,000
85	**Salaries Total**	
86		
87	**Domestic Travel**	
88	Travel to meetings within China	1,798

	A	B
89		
90	**Total Domestic Travel**	
91		
92	**International Travel**	
93	Regional EPT meeting	1,000
94	**Total International Travel**	
95		
96	**Diagnostics**	
97	Cost per sample for extraction (2 samples per human and non-human animal)	6
98	Cost per sample for RT-PCR assays for all 5 viral families	31
99	Sequencing (assuming 10% positive)	2
100	Serology (Human Samples only) - ELISA (for each viral family)	8
101	Next Generation Sequencing	299
102		
103	**Total Diagnostics**	
104		
105	**Supplies**	
106		
107		
108	**Total Supplies**	
109		
110	**Other Costs**	
111	Freezer storage	1,223
112	**Total Other Costs**	
113	**Total Direct Costs**	
114	***Indirect Costs***	
115	**Total Costs**	
116		
117	**PREDICT-2 China Year 4 Budget - EHA subagreement to Guangdong Institute of Public Health**	
118	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
119		
120	**Salaries**	
121	Laboratory Technician	21,600
122	Behavioral Coordinator	21,600
123		
124	**Salaries Total**	
125		
126	**Domestic Travel**	
127	Field Travel (intra-Guangdong) ($400/day)	400
128	Field Travel (intra-Guangdong) ($400/day)	400
129	**Total Domestic Travel**	
130		
131	**International Travel**	
132	Travel to an international meeting for the Lab Tech or Behavioral Coordinator	3,500
133	**Total International Travel**	

	A	B
134		
135	**Diagnostics**	
136	PREDICT reagents and consumables	12
137	Sequencing	15
138		
139	**Total Diagnostics**	
140		
141	**Supplies**	
142	Biological sample collection supplies	5
143	Behavioral sample collection supplies	3
144	**Total Supplies**	
145		
146	**Other Costs**	
147		
148		
149		
150		
151		
152	**Total Other Costs**	
153	**Total Direct Costs**	
154	***Indirect Costs***	
155	**Total Costs**	
156		
157	**PREDICT-2 China Year 4 Budget - EHA subagreement to Yunnan Institute of Endemic Diseases Control and Prevention**	
158	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
159		
160	**Stipends**	
161	Graduate student I (stipend, 3 field trips)	580
162	Graduate student II (stipend, 3 field trips)	580
163	Graduate student III (stipend, 3 field trips)	580
164	Graduate student IV (stipend, 3 field trips)	580
165	Graduate student V (stipend, 3 field trips)	580
166	Local guide (stipend, 3 field trips)	435
167		
168	**Total Stipends**	
169		
170	**Equipment**	
171		
172		
173	**Total Equipment**	
174	**Total Direct Costs**	
175	***Indirect Costs***	
176	**Total Costs**	
177		

	A	B
178	**PREDICT-2 China Year 4 Budget - EHA subagreement to Institute of Pathogen Biology, Chinese Academy of Sciences**	
179	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
180		
181	**Salaries**	
182	Dr. Zhiqiang Wu	19,697
183	Lab Technician I (TBN)	8,182
184	Lab Technician II (TBN)	8,182
185		
186	**Salaries Total**	
187		
188	**Domestic Travel**	
189		
190		
191	**Total Domestic Travel**	
192		
193	**Diagnostics**	
194	Direct-zol™ RNA MiniPrep (200 reactions)	7,661
195	SUPERSCRIPT III REV TRANSCRIPT 10,000 UN (50 reactions)	21,641
196	dNTP Mix, 10 mM each (4*0.25ml)	278
197	Recombinant RNase Inhibitor(125ul/5000U)	855
198	PLATINUM TAQ DNA POLYMERASE (250*25ul reactions)	2,245
199	Random primer (100 reactions)	273
200	Primer synthesis (bp)	303
201	**Total Diagnostics**	
202		
203	**Supplies**	
204	Lab consumable (i.e. pipette and tubes)	7,576
205	Other reagents	1,515
206	**Total Supplies**	
207	**Total Direct Costs**	
208	***Indirect Costs***	
209	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	0%	-		-
6	5%	15,500		**15,500**
7	10%	12,200		**12,200**
8	80%	48,000		**48,000**
9		**75,700**	-	**75,700**
10				
11	**31.30%**			
12	0%	-		-
13	5%	4,852		**4,852**
14	10%	3,819		**3,819**
15	80%	15,024		**15,024**
16		**23,694**	-	**23,694**
17				
18				
19	2	8,078		**8,078**
20	2	20,331		**20,331**
21		-		-
22		-		-
23		**28,409**	-	**28,409**
24				
25				
26		77,246	-	**77,246**
27		177,093	7,828	**184,921**
28		-	-	-
29		11,006	-	**11,006**
30		-	-	-
31	1	264,705		**264,705**
32		**530,050**	**7,828**	**537,878**
33				
34				
35		-		-
36		-		-
37		-	-	-
38		**657,853**	**7,828**	**665,680**
39	***32.0%***	*40,897*	-	*40,897*
40	***32.0%***	*92,706*		*92,706*
41				-
42		**791,455**	**7,828**	**799,283**
43				
44				

	C	D	E	F
45	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
46				
47				
48	100%	19,697		**19,697**
49	50%	4,091		**4,091**
50	50%	4,091		**4,091**
51		**27,879**	**-**	**27,879**
52				
53				
54		-		-
55		-		-
56		-	-	-
57		.		
58				
59	200	7,660		**7,660**
60	1	21,641		**21,641**
61	1	278		**278**
62	1	855		**855**
63	1	2,245		**2,245**
64	1	273		**273**
65	1	303		**303**
66		**33,254**	**-**	**33,254**
67				
68				
69	1	7,576		**7,576**
70	1	1,515		**1,515**
71		**9,091**	**-**	**9,091**
72		**70,224**	**-**	**70,224**
73	***10.00%***	*7,022*	-	*7,022*
74		**77,246**	**-**	**77,246**
75				
76				
77	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
78				
79				
80	9%	6,480	1,000	**7,480**
81	34%	8,040		**8,040**
82	34%	8,040		**8,040**
83	34%	8,040		**8,040**
84	34%	8,040		**8,040**
85		**38,640**	**1,000**	**39,640**
86				
87				
88	3	501	4,893	**5,394**

	C	D	E	F
89		-		-
90		**501**	**4,893**	**5,394**
91				
92				
93	3	3,000		**3,000**
94		**3,000**	-	**3,000**
95				
96				
97	4800	28,800		**28,800**
98	2400	74,400		**74,400**
99	240	480		**480**
100	960	7,987		**7,987**
101	24	7,186		**7,186**
102		-		-
103		**118,853**	-	**118,853**
104				
105				
106		-		-
107		-		-
108		-	-	-
109				
110				
111	1	-	1,223	**1,223**
112		-	**1,223**	**1,223**
113		**160,994**	**7,116**	**168,110**
114	***10.00%***	*16,099*	*712*	*16,811*
115		**177,093**	**7,828**	**184,921**
116				
117				
118	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
119				
120				
121	0%	-		-
122	0%	-		-
123		-		-
124		-	-	-
125				
126				
127	0	-		-
128	0	-		-
129		-	-	-
130				
131				
132	0	-		-
133		-	-	-

	C	D	E	F
134				
135				
136	0	-		-
137	0	-		-
138		-		-
139		-	-	-
140				
141				
142	0	-		-
143	0	-		-
144		-	-	-
145				
146				
147		-		-
148		-		-
149		-		-
150		-		-
151		-		-
152		-	-	-
153		-	-	-
154	***10.00%***	-	-	-
155		-	-	-
156				
157				
158	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
159				
160				
161	3	1,740		**1,740**
162	3	1,740		**1,740**
163	3	1,740		**1,740**
164	3	1,740		**1,740**
165	3	1,740		**1,740**
166	3	1,305		**1,305**
167		-		-
168		**10,005**	-	**10,005**
169				
170				
171		-		-
172		-		-
173		-	-	-
174		**10,005**	-	**10,005**
175	***10.00%***	*1,001*	-	*1,001*
176		**11,006**	-	**11,006**
177				

	C	D	E	F
178				
179	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
180				
181				
182	0%	-		-
183	0%	-		-
184	0%	-		-
185		-		-
186		-	-	-
187				
188				
189		-		-
190		-		-
191		-	-	-
192		.		
193				
194	-	-		-
195	-	-		-
196	-	-		-
197	-	-		-
198	-	-		-
199	-	-		-
200	-	-		-
201		-	-	-
202				
203				
204	-	-		-
205	0	-		-
206		-	-	-
207		-	-	-
208	***10.00%***	-	-	-
209		-	-	-

	A	B
1	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EcoHealth Alliance subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO RoC and IVORY COAST (TBN)	70,000
6	INSTITUTIONAL LEAD (Peter Daszak)	310,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	SCIENTIST/COUNTRY LIAISON TO RoC and IVORY COAST (TBN)	21,910
11	INSTITUTIONAL LEAD (Peter Daszak)	97,030
12	**Fringe Benefits Total**	
13		
14	**Domestic Travel**	
15		
16	**Total Domestic Travel**	
17		
18	**International Travel**	
19	EHA staff to Cote d'Ivoire (1 week scoping visit/meetings with local collaborators)	7,434
20	EHA staff to Cote D'Ivoire	5,782
21	**Total International Travel**	
22		
23	**Contractual**	
24	Institut Pasteur Côte d'Ivoire (IPCI) subagreement (detail below)	
25	Laboratoire National d'Appui au Dévelopment Argricole (LANADA) subagreement (detail below)	
26	Centre de Sante Urbain de Bono (Ministry of Health) (detail below)	
27	**Total Contractual**	
28		
29	**Supplies**	
30	**PPE (Wildlife)**	
31	Nitrile Large extended cuff (500 per case)	252
32	Nitrile Medium extended cuff (500 per case)	252
33	Nitrile small extended cuff (500 per case)	252
34	N100 respirators (20 per case)	190
35	N95 respirators (80 per case)	243
36	tyvek hooded large (25 per case)	290
37	tyvek hooded medium (25 per case)	290
38	safety glasses	355
39	**Blood Collection**	
40	Isoflurane (250mL/bottle)	35
41	LW-scientific-usa-e8-series-centrifuge	578
42	HemataStata II microhematocrit centrifuge	2,325
43	HemataStata II microhematocrit rechargable Ni-metal battery	168

	A	B
44	HemataStata II microhematocrit centrifuge carrying case	373
45	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
46	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
47	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
48	Hematocrit tube sealant (10 per package)	46
49	Microhematorcrit capillary pipette bulb	10
50	Cryovials 0.5mL (for serum)	588
51	Nunc internally threaded cryovials, 1.8mL	1,385
52	Nunc 3.6 mL	1,603
53	colored caps blue (500 units/case)	170
54	colored caps red (500 units/case)	170
55	colored caps green (500 units/case)	170
56	colored caps yellow (500 units/case)	170
57	colored caps brown (500 units/case)	170
58	colored caps grey (500 units/case)	170
59	Corning cryobox 10x10	153
60	Cotton balls (med)	54
61	BD alcohol swabs	29
62	Needles 27g 3/4	100
63	Needles 25g 3/4	100
64	Needles 23g 3/4	100
65	Needles 18g 3/4	100
66	Red-top vaccutainer 3.0 mL	182
67	Red-top vaccutainer 6.0 mL	206
68	pipette gun: 1 µl -10uL	351
69	pipette gun: 100 µl -1000uL	351
70	pipette gun 20uL-200uL	351
71	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
72	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120
73	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
74	Syringes 1mL	90
75	Syringes 3mL	90
76	Syringes 5mL	90
77	Sharps containers 8 gal	30
78	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
79	Viral transport media (pre-aliquotted)	1,000
80	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
81	Puritan 6' polyester sterile swabs minitip (500 case)	338
82	Povidone iodine prep pad (1000/case)	170
83	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111
84	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
85	Triple antibiotic ointment - 0.5gr (20 per package)	6

	A	B
86	**Measurements**	
87	Fisherbrand* Traceable* Digital Calipers	50
88	OHAUS CS series flat scale	186
89	Pesola® Micro-Line Spring Scale 10 g	54
90	Pesola® Micro-Line Spring Scale 30 g	51
91	Pesola® Micro-Line Spring Scale 60 g	48
92	Pesola® Micro-Line Spring Scale 100 g	50
93	Pesola® LightLine Spring Scale 1000g	39
94	Pesola® LightLine Spring Scale 10kg	125
95	Pesola® LightLine Spring Scale 20kg	135
96	**Clean up**	
97	Autoclave/biohazard bags large 45x36in	134
98	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
99	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
100	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
101	**Capture (Bats)**	
102	Cotton holding bag (8in x 12in)	1
103	Cotton holding bag for large bats	3
104	500 lumen rechargable headlamp	81
105	200-300 lumen rechargable headlamp	60
106	Wildlife handling leather gloves (small)	121
107	Wildlife handling leather gloves (large)	121
108	Harp trap 72in by 80in	1,495
109	Baffle bar roost 6 ft	69
110	Replacement catch bag for harp trap	69
111	**Capture (Rodents)**	
112	Extra Large Size Sherman Aluminum Folding Trap (4" x 4-1/2" x 15" set)	49
113	Bait mix (Peanut butter, nuts, rolled oats, seeds, apple slice)	6
114	Nestlet(Ancare) cotton nesting material for thermoregulation (3600/box)	247
115	Tomahawk traps	120
116	Liquid Nitrogen Dry Shippers	2,467
117	**Total Supplies**	
118		
119	**Diagnostics**	
120		
121	**Total Diagnostics**	
122		
123	**Other Costs**	
124	Supplies to Cote d'Ivoire (excess baggage charge on commercial flight) (rate per shipping crate)	175
125	**Total Other Costs**	
126	**Total Direct Costs**	
127	***Indirect Costs***	
128	***Indirect Costs on subagreements & Contracts***	
129	***EHA Global - see tab for details***	

	A	B
130	**Total Costs**	
131		
132	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Institut Pasteur Côte d'Ivoire (IPCI)**	
133	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
134		
135	**Salaries**	
136	Country Coordinator	36,000
137	Country Coordinator Assistant	28,800
138	Lead Laboratory Technician	15,000
139	Biologist - Dr. Eugene Koffi	20,000
140	Biologist - Dr. Daniel Saraka	20,000
141	Data Manager - Ms Florence Tanoh Diby	6,000
142	Dr. Kalpy - Program Manager, Human Surveillance	30,000
143	Prof Dosso - Head Administration	50,000
144	**Salaries Total**	
145		
146	**Fringe Benefits**	
147	Country Coordinator - Tax and Social Insurance Fund	17,280
148	Country Coordinator - Health Insurance	2,000
149	Country Coordinator Assistant - Tax and Social Insurance Fund	13,824
150	Country Coordinator Assistant - Health Insurance	2,000
151	Lead Laboratory Technician - Tax and Social Insurance Fund	7,200
152	Lead Laboratory Technician - Health Insurance	1,500
153	Data Manager - Ms Florence Tanoh Diby - Tax and Social Insurance Fund	2,880
154	Data Manager - Ms Florence Tanoh Diby - Health Insurance	1,500
155		
156	**Fringe Benefits Total**	
157		
158	**Domestic Travel**	
159	Fuel for transport to field site	900
160	Per diem for team (5 staff x 5 days x 4 trips)	3,750
161	Sociologist per diem (2 staff x 14 days x 3 trips)	4,200
162	Car rental	8,000
163	**Total Domestic Travel**	
164		
165	**Diagnostics**	
166	Lab reagents and consumables (cost per sample for 5 assays)	150
167	Sequencing for 5% of samples	10
168	**Total Diagnostics**	
169		
170	**Supplies**	
171	Office Administration Supplies	150
172	Local lab and field supplies	7,539
173	**Total Supplies**	
174		

	A	B
175	**Other Costs**	
176	Program Procedures Training Workshop (lab, field, data mgmt)	3,600
177	Community Engagement and Coordination Meetings	840
178	Communication (phone)	350
179	Internet	312
180	Cold Chain Maintenance	300
181	**Total Other Costs**	
182	**Total Direct Costs**	
183	***Indirect Costs***	
184	**Total Costs**	
185		
186	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Laboratoire National d'Appui au Developpement Agricole (LANADA)**	
187	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
188		
189	**Salaries**	
190	PhD Student - Kouaku Valère	12,000
191	Chef de Laboratoire de Virologie LANADA - Prof Couacy-Hymann	60,000
192	Lead Laboratory Technician 1 - Assemian Krou	11,040
193	Lead Laboratory Technician 2 - Privat Godji	11,040
194	**Total Salaries**	
195		
196	**Domestic Travel**	
197	Per diem for staff (4 staff x 15 days x 2 trips)	150
198	Vehicel rental	2,100
199	Fuel	300
200	**Total Domestic Travel**	
201		
202	**Diagnostics**	
203	Laboratory Reagents and Consumables (cost per sample for 5 assays)	150
204	Sequencing for 5% of samples tested	10
205	**Total Diagnostics**	
206		
207	**Supplies**	
208	Local lab supplies	22,050
209	**Total Supplies**	
210	**Total Direct Costs**	
211	***Indirect Costs***	
212	**Total Costs**	
213		
214	**PREDICT-2 Cote d'Ivoire Year 4 Budget - EHA subagreement to Centre de Sante de Bono (Ministry of Health)**	
215	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
216		

	A	B
217	**Salaries**	
218	Clinician	15,000
219	Phlebotomist or nurse	15,000
220		
221	**Total Salaries**	
222	**Total Direct Costs**	
223	***Indirect Costs***	
224	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	35,000		**35,000**
6	10%	31,000		**31,000**
7		**66,000**	**-**	**66,000**
8				
9	**31.30%**			
10	50%	10,955		**10,955**
11	10%	9,703		**9,703**
12		**20,658**	**-**	**20,658**
13				
14				
15		-		**-**
16		**-**	**-**	**-**
17				
18				
19	1	7,434		**7,434**
20	2	11,564		**11,564**
21		**18,998**	**-**	**18,998**
22				
23				
24		269,399	-	**269,399**
25		253,440	-	**253,440**
26		9,026		**9,026**
27		**531,864**	**-**	**531,864**
28				
29				
30		-		**-**
31	2	504		**504**
32	3	756		**756**
33	3	756		**756**
34	4	760		**760**
35	6	1,458		**1,458**
36	3	870		**870**
37	3	870		**870**
38	2	710		**710**
39		-		**-**
40	15	525		**525**
41	1	578		**578**
42	1	2,325		**2,325**
43	2	336		**336**

	C	D	E	F
44	1	373		**373**
45	1	273		**273**
46	2	26		**26**
47	2	122		**122**
48	2	92		**92**
49	10	100		**100**
50	5	2,940		**2,940**
51	5	6,925		**6,925**
52	1	1,603		**1,603**
53	1	170		**170**
54	1	170		**170**
55	1	170		**170**
56	1	170		**170**
57	1	170		**170**
58	1	170		**170**
59	10	1,530		**1,530**
60	4	218		**218**
61	6	175		**175**
62	5	500		**500**
63	5	500		**500**
64	5	500		**500**
65	5	500		**500**
66	8	1,456		**1,456**
67	2	412		**412**
68	2	702		**702**
69	2	702		**702**
70	2	702		**702**
71	3	360		**360**
72	3	360		**360**
73	3	360		**360**
74	6	540		**540**
75	6	540		**540**
76	6	540		**540**
77	10	300		**300**
78	1	71		**71**
79	1	1,000		**1,000**
80	3	1,245		**1,245**
81	2	676		**676**
82	1	170		**170**
83	2	222		**222**
84	4	92		**92**
85	5	30		**30**

	C	D	E	F
86		-		-
87	4	200		**200**
88	2	372		**372**
89	2	108		**108**
90	2	101		**101**
91	2	96		**96**
92	2	100		**100**
93	2	78		**78**
94	2	250		**250**
95	2	270		**270**
96		-		-
97	3	402		**402**
98	1	63		**63**
99	1	466		**466**
100	1	308		**308**
101		-		-
102	200	276		**276**
103	200	600		**600**
104	4	324		**324**
105	6	360		**360**
106	4	484		**484**
107	4	484		**484**
108	2	2,990		**2,990**
109	2	138		**138**
110	2	138		**138**
111		-		-
112	110	5,418		**5,418**
113	50	300		**300**
114	1	247		**247**
115	25	3,000		**3,000**
116	1	2,467		**2,467**
117		**58,363**	-	**58,363**
118				
119				
120		-		-
121		-	-	-
122				
123				
124	0	-		-
125		-	-	-
126		**695,883**	-	**695,883**
127	**32.0%**	52,486	-	**52,486**
128	**32.0%**	18,888		**18,888**
129				-

	C	D	E	F
130		**767,258**	**-**	**767,258**
131				
132				
133	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
134				
135				
136	100%	36,000		**36,000**
137	100%	28,800		**28,800**
138	100%	15,000		**15,000**
139	30%	6,000		**6,000**
140	50%	10,000		**10,000**
141	100%	6,000		**6,000**
142	15%	4,500		**4,500**
143	5%	2,500		**2,500**
144		**108,800**	**-**	**108,800**
145				
146				
147	100%	17,280		**17,280**
148	100%	2,000		**2,000**
149	100%	13,824		**13,824**
150	100%	2,000		**2,000**
151	100%	7,200		**7,200**
152	100%	1,500		**1,500**
153	100%	2,880		**2,880**
154	100%	1,500		**1,500**
155		-		-
156		**48,184**	**-**	**48,184**
157				
158				
159	4	3,600		**3,600**
160	4	15,000		**15,000**
161	3	12,600		**12,600**
162	1	8,000		**8,000**
163		**39,200**	**-**	**39,200**
164		.		
165				
166	200	30,000		**30,000**
167	10	100		**100**
168		**30,100**	**-**	**30,100**
169		.		
170				
171	12	1,800		**1,800**
172	0	-		-
173		**1,800**	**-**	**1,800**
174		.		

	C	D	E	F
175				
176	1	3,600		**3,600**
177	2	1,680		**1,680**
178	12	4,200		**4,200**
179	12	3,744		**3,744**
180	12	3,600		**3,600**
181		**16,824**	**-**	**16,824**
182		**244,908**	**-**	**244,908**
183	***10.00%***	*24,491*	-	*24,491*
184		**269,399**	**-**	**269,399**
185				
186				
187	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
188				
189				
190	33%	3,960		**3,960**
191	20%	12,000		**12,000**
192	50%	5,520		**5,520**
193	50%	5,520		**5,520**
194		**27,000**	-	**27,000**
195		.		
196				
197	120	18,000		**18,000**
198	2	4,200		**4,200**
199	2	600		**600**
200		**22,800**	**-**	**22,800**
201				
202				
203	1200	180,000		**180,000**
204	60	600		**600**
205		**180,600**	**-**	**180,600**
206		.		
207				
208	-	-		**-**
209		**-**	**-**	**-**
210		**230,400**	**-**	**230,400**
211	***10.00%***	*23,040*	-	*23,040*
212		**253,440**	**-**	**253,440**
213				
214				
215	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
216				

	C	D	E	F
217				
218	15%	2,250		**2,250**
219	40%	5,955		**5,955**
220		-		**-**
221		**8,205**	**-**	**8,205**
222		**8,205**	**-**	**8,205**
223	***10.00%***	*821*	-	*821*
224		**9,026**	**-**	**9,026**

	A	B
1	**PREDICT-2 Egypt Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	74,200
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	23,225
12	EPT PARTNER LIAISON (Billy Karesh)	82,626
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners (2 travelers)	3,115
18	**Total International Travel**	
19		
20	**Contractual**	
21	Human Link subagreement (detail below)	
22	**Total Contractual**	
23	**Total Direct Costs**	
24	***Indirect Costs***	
25	***Indirect Costs on Contracts & Subagreements***	
26	***EHA Global - see tab for details***	
27	**Total Costs**	
28		
29	**PREDICT-2 Egypt Year 4 Budget - EHA subagreement to Human Link**	
30	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
31		
32	**Salaries**	
33	Site Co-Principal Investigator	120,000
34	**Salaries Total**	
35		
36	**Diagnostics**	
37	Testing for wildlife samples (cost per sample) (viral family testing for five priority families)	76
38	Serology Testing for human samples (cost per sample)(if approved)	38
39	**Total Diagnostics**	
40		
41	**Supplies**	

	A	B
42	Wildlife - Field supplies (nets, traps, PPE, needles, swabs, chemicals, tubes)(est. weekly cost in field)	1,875
43	Human - Field supplies (specimen collection equipment (tubes, needles, swabs)(est. weekly cost in field)	1,250
44	Participant acknowledgements for human research (cost per participant)	2
45	**Total supplies**	
46		
47	**Contractual**	
48	CSEIV subagreement (detail below)	
49	**Total Contractual**	
50		
51	**Other costs**	
52		
53		
54	**Total other costs**	
55	**Total Direct Costs**	
56	***Indirect Costs, est***	
57	**Total Costs**	
58		
59	**PREDICT-2 Egypt Year 4 Budget - Human Link subagreement to National Research Centre (CSEIV)**	
60	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
61		
62	**Salaries**	
63	Site PI / Senior Country Coordinator	66,667
64	Junior Country Coordinator	36,000
65	Administrative staff	20,000
66	Temporary Field Tech (weekly cost)	500
67	Temporary Field Tech (weekly cost)	500
68	Temporary Field Tech (weekly cost)	500
69	Temporary Field Tech (weekly cost)	500
70	Temporary Field Tech (weekly cost)	500
71	Temporary Field Tech (weekly cost)	500
72	Lab Technician	4,000
73	Lab Technician	4,000
74	Lab Technician	4,000
75	Lab Technician	4,000
76	**Salaries Total**	
77		
78	**Domestic Travel**	
79	Fuel and vehicle maintenence cost for 2-week sampling trip (Wildlife and human sampling/human behavioral)	1,275
80	Per diem (per 14-day trip for 6 team members)	3,825
81	**Total Domestic Travel**	
82		
83	**Other Costs**	

	A	B
84	Freezer storage cost	5,250
85	Equipment use and depreciation	22,500
86	**Total Other Costs**	
87	**Total Direct Costs**	
88	***Indirect Costs***	
89	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	37,100		**37,100**
6	3%	7,919		**7,919**
7		-		-
8		**45,019**	**-**	**45,019**
9				
10	**31.30%**			
11	50%	11,612		**11,612**
12	3%	2,479		**2,479**
13	0%	-		-
14		**14,091**	**-**	**14,091**
15				
16				
17	2	6,230		**6,230**
18		**6,230**	**-**	**6,230**
19				
20				
21		400,427	45,145	**445,571**
22		**400,427**	**45,145**	**445,571**
23		**465,767**	**45,145**	**510,912**
24	***32.0%***	*20,909*	-	*20,909*
25	***32.0%***			-
26				-
27		**486,676**	**45,145**	**531,821**
28				
29				
30	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
31				
32				
33	23%	27,960		**27,960**
34		**27,960**	**-**	**27,960**
35				
36				
37	2400	174,187	8,213	**182,400**
38	600	22,800		**22,800**
39		**196,987**	**8,213**	**205,200**
40				
41				

	C	D	E	F
42	8	13,631	1,369	**15,000**
43	8	8,996	1,004	**10,000**
44	600	1,200		**1,200**
45		**23,827**	**2,373**	**26,200**
46				
47				
48		126,775	33,500	**160,275**
49		**126,775**	**33,500**	**160,275**
50				
51				
52		-		-
53		-		-
54		-	-	-
55		**375,549**	**44,086**	**419,635**
56	***10.00%***	*24,877*	*1,059*	*25,936*
57		**400,427**	**45,145**	**445,571**
58				
59				
60	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
61				
62				
63	42%	28,000		**28,000**
64	20%	7,200		**7,200**
65	20%	4,000		**4,000**
66	8	4,000		**4,000**
67	8	4,000		**4,000**
68	8	4,000		**4,000**
69	8	4,000		**4,000**
70	8	4,000		**4,000**
71	8	4,000		**4,000**
72	100%	4,000		**4,000**
73	100%	4,000		**4,000**
74	100%	-	4,000	**4,000**
75	100%	-	4,000	**4,000**
76		**71,200**	**8,000**	**79,200**
77				
78				
79	8	8,200	2,000	**10,200**
80	8	30,600		**30,600**
81		**38,800**	**2,000**	**40,800**
82				
83				

	C	D	E	F
84	1	5,250		**5,250**
85	1	-	22,500	**22,500**
86		**5,250**	**22,500**	**27,750**
87		**115,250**	**32,500**	**147,750**
88	***10.00%***	*11,525*	*1,000*	*12,525*
89		**126,775**	**33,500**	**160,275**

	A	B
1	**PREDICT-2 India Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	Research Scientist (Debapriyo Chakraborty)	66,780
6	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	155,000
7	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	49,000
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	Research Scientist (Debapriyo Chakraborty)	20,902
12	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	48,515
13	PREDICT PROGRAM ASSISTANT (Ava Sullivan)	15,337
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	Scoping visit/meetings with in-country partners	4,000
18	Sampling trip	10,500
19	**Total International Travel**	
20		
21	**Contractual**	
22	Sanjay Gandhi Postgraduate Institute of Medical Sciences subagreement (detail below)	
23	Manish Kakkar (consultant)(includes stipend and travel costs)	37,380
24	Rajesh Bhattia (consultant)(includes stipend and travel costs)	30,000
25		
26	**Total Contractual**	
27		
28	**Equipment**	
29		
30		
31	**Total Equipment**	
32		
33	**Supplies**	
34	Supplies (purchased in US, shipped to India)	5,000
35	Sample/supply shipping costs	5,000
36	**Total Supplies**	
37	**Total Direct Costs**	
38	***Indirect Costs***	
39	***Indirect Costs on Contracts & Subagreements***	
40	***EHA Global - see tab for details***	
41	**Total Costs**	
42		
43	**PREDICT-2 India Year 4 Budget - EHA subagreement to Sanjay Gandhi Postgraduate Institute of Medical Sciences**	

	A	B
44	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
45		
46	**Salaries**	
47	Country Coordinator (Tapan Dhole)	64,615
48	Lab lead (Harjeet Mann)	14,124
49	Admin Assistant (Laboratory assistant +DEO)	5,699
50	Lab analyst (Technical Officer)	12,692
51	Lab attendant (Laboratory Attendant)	4,748
52	Veterinarian (Technician Grade-I)	9,075
53	Interview lead (Technician Grade 1)	9,075
54	Field technician (Technician Grade 2) (2)	6,672
55	Phlebotomist (Lab assistant)	5,699
56	Field assistants (villagers) (daily rate for 2 individuals)	8
57	**Salaries Total**	
58		
59	**Domestic travel**	
60	Field Lodging & Meals ($30/person/day)	180
61	Field Vehicle Rental	77
62		
63	**Total Domestic Travel**	
64		
65	**International Travel**	
66	R/T flight to Bangkok, Thailand	800
67	Per diem (daily)(cost per meeting includes two travel days)	246
68		
69	**Total International Travel**	
70		
71	**Equipment**	
72	Fridge -80	9,769
73	Thermocycler	10,615
74	Somnosuite low flow anesthesia system integrated digital vaporizer	5,250
75	Biosafety hood	11,538
76	**Total Equipment**	
77		
78	**Diagnostics**	
79	Analysis/sample, extraction + 2 PCR reactions	37
80	Cloning and sequencing	46
81	**Total Diagnostics**	
82		
83	**Contractual**	
84	Uttar Pradesh Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigan Vishwa Vidyalaya Evam Go-Anusadham Sansthan, Mathura (DUVASU) (detail below)	
85		
86	**Total Contractual**	
87		

	A	B
88	**Supplies**	
89	**PPE (Wildlife+livestock)**	
90	Nitrile Large extended cuff (500 per case)	252
91	Nitrile Medium extended cuff (500 per case)	252
92	Nitrile small extended cuff (500 per case)	252
93	N100 respirators (20 per case)	190
94	N95 respirators (80 per case)	243
95	tyvek hooded large (25 per case)	290
96	tyvek hooded medium (25 per case)	290
97	safety glasses	355
98	**Blood Collection (bat+rodent+macaque+livestock)**	
99	Isoflurane (250mL/bottle)	35
100	LW-scientific-usa-e8-series-centrifuge	578
101	HemataStata II microhematocrit centrifuge	2,325
102	HemataStata II microhematocrit rechargable Ni-metal battery	168
103	HemataStata II microhematocrit centrifuge carrying case	373
104	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
105	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
106	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
107	Hematocrit tube sealant (10 per package)	46
108	Microhematorcrit capillary pipette bulb	10
109	Cryovials 0.5mL (for serum)	588
110	Nunc internally threaded cryovials, 1.8mL	1,385
111	Nunc 3.6 mL	1,603
112	colored caps blue (500 units/case)	170
113	colored caps red (500 units/case)	170
114	colored caps green (500 units/case)	170
115	colored caps yellow (500 units/case)	170
116	colored caps brown (500 units/case)	170
117	colored caps grey (500 units/case)	170
118	Corning cryobox 10x10	153
119	Cotton balls (med)	54
120	BD alcohol swabs	29
121	Needles 27g 3/4	100
122	Needles 25g 3/4	100
123	Needles 23g 3/4	100
124	Needles 18g 3/4	100
125	Red-top vaccutainer 3.0 mL	182
126	Red-top vaccutainer 6.0 mL	206
127	pipette gun: 1 µl -10uL	351
128	pipette gun: 100 µl -1000uL	351
129	pipette gun 20uL-200uL	351
130	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
131	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120

	A	B
132	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
133	Syringes 1mL	90
134	Syringes 3mL	90
135	Syringes 5mL	90
136	Sharps containers 8 gal	30
137	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
138	Viral transport media (pre-aliquotted)	1,000
139	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
140	Puritan 6' polyester sterile swabs minitip (500 case)	338
141	Povidone iodine prep pad (1000/case)	170
142	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111
143	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
144	Triple antibiotic ointment - 0.5gr (20 per package)	6
145	**Measurements (bat+rodent+macaque)**	
146	Fisherbrand* Traceable* Digital Calipers	50
147	OHAUS CS series flat scale	186
148	Pesola® Micro-Line Spring Scale 10 g	54
149	Pesola® Micro-Line Spring Scale 30 g	51
150	Pesola® Micro-Line Spring Scale 60 g	48
151	Pesola® Micro-Line Spring Scale 100 g	50
152	Pesola® LightLine Spring Scale 1000g	39
153	Pesola® LightLine Spring Scale 10kg	125
154	Pesola® LightLine Spring Scale 20kg	135
155	**Clean up (bat+rodent+macaque+livestock)**	
156	Autoclave/biohazard bags large 45x36in	134
157	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
158	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
159	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
160	**Capture (Bats)**	
161	Cotton holding bag (8in x 12in)	1
162	Cotton holding bag for large bats	3
163	500 lumen rechargable headlamp	81
164	200-300 lumen rechargable headlamp	60
165	Wildlife handling leather gloves (small)	121
166	Wildlife handling leather gloves (large)	121
167	Harp trap 72in by 80in	1,495
168	Baffle bar roost 6 ft	69
169	Replacement catch bag for harp trap	69
170	**Capture (Rodents)**	
171	Extra Large Size Sherman Aluminum Folding Trap (4" x 4-1/2" x 15" set)	49
172	Bait mix (Peanut butter, nuts, rolled oats, seeds, apple slice)	5
173	Nestlet(Ancare) cotton nesting material for thermoregulation (3600/box)	247
174	Tomahawk traps	120
175	Liquid Nitrogen Dry Shippers	2,467

	A	B
176	**Lab equipment (<$5K)**	
177	Fridge lab	1,307
178	Fridge -20	2,077
179	Microcentrifuge	3,385
180	**Office Supplies**	
181	Computers	769
182	Colour Printer photocopier	1,077
183	Field Netbook	470
184	Telephone sets	80
185	Mobile router	40
186	Stationary	300
187	**Total Supplies**	
188		
189	**Other costs**	
190	Acknowledgements for human research participants	10
191	**Total other costs**	
192	**Total Direct Costs**	
193	***Indirect Costs***	
194	**Total Costs**	
195		
196	**PREDICT-2 India Year 4 Budget - SGPGI subagreement to DUVASU**	
197	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
198		
199	**Salaries**	
200	TBD Project Coordinator	13,536
201	TBD field technician	5,200
202	**Salaries Total**	
203	**Total Direct Costs**	
204	***Indirect Costs***	
205	**Total Costs**	

	C	D	E	F	G	H
1						
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
3						
4						
5	100%	66,780		**66,780**		
6	10%	15,500		**15,500**		
7	25%	12,250		**12,250**		
8		**94,530**	**-**	**94,530**		
9						
10	**31.30%**					
11	100%	20,902		**20,902**		
12	10%	4,852		**4,852**		
13	25%	3,834		**3,834**		
14		**29,588**	**-**	**29,588**		
15						
16						
17	3	12,000		**12,000**		
18	2	21,000		**21,000**		
19		**33,000**	**-**	**33,000**		
20						
21						
22		516,390	-	**516,390**		
23	1	37,380		**37,380**		
24	1	30,000		**30,000**		
25		-		**-**		
26		**583,770**	-	**583,770**		
27						
28						
29		-		-		
30		-		-		
31		**-**	**-**	**-**		
32						
33						
34	1	5,000		**5,000**		
35	1	5,000		**5,000**		
36		**10,000**	**-**	**10,000**		
37		**750,888**	**-**	**750,888**		
38	***32.0%***	*53,478*	-	*53,478*		
39	***32.0%***	*21,562*		*21,562*		
40				-		
41		**825,927**	**-**	**825,927**		
42						
43						

	C	D	E	F	G	H
44	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
45						
46						
47	20%	12,923		**12,923**		
48	100%	14,124		**14,124**		
49	100%	5,699		**5,699**		
50	100%	12,692		**12,692**		
51	100%	4,748		**4,748**		
52	100%	9,075		**9,075**		
53	100%	9,075		**9,075**		
54	100%	6,672		**6,672**		
55	100%	5,699		**5,699**		
56	60	480		**480**		
57		**81,187**	-	**81,187**		
58						
59						
60	180	32,400		**32,400**		
61	180	13,860		**13,860**		
62		-		**-**		
63		**46,260**	**-**	**46,260**		
64						
65						
66	1	800		**800**		
67	3	738		**738**		
68		-		**-**		
69		**1,538**	**-**	**1,538**		
70						
71						
72	1	9,769		**9,769**		
73	1	10,615		**10,615**		
74	1	5,250		**5,250**		
75	1	11,538		**11,538**		
76		**37,172**	**-**	**37,172**		
77						
78						
79	5600	209,664		**209,664**		
80	280	12,923		**12,923**		
81		**222,587**	**-**	**222,587**		
82						
83						
84		6,961	-	**6,961**		
85				**-**		
86		**6,961**	**-**	**6,961**		
87						

	C	D	E	F	G	H
88						
89		-		-		
90	2	504		**504**		
91	3	756		**756**		
92	3	756		**756**		
93	4	760		**760**		
94	6	1,458		**1,458**		
95	3	870		**870**		
96	3	870		**870**		
97	2	710		**710**		
98		-		-		
99	15	525		**525**		
100	1	578		**578**		
101	1	2,325		**2,325**		
102	2	336		**336**		
103	1	373		**373**		
104	1	273		**273**		
105	2	26		**26**		
106	2	122		**122**		
107	2	92		**92**		
108	10	100		**100**		
109	5	2,940		**2,940**		
110	5	6,925		**6,925**		
111	1	1,603		**1,603**		
112	1	170		**170**		
113	1	170		**170**		
114	1	170		**170**		
115	1	170		**170**		
116	1	170		**170**		
117	1	170		**170**		
118	10	1,530		**1,530**		
119	4	218		**218**		
120	6	175		**175**		
121	5	500		**500**		
122	5	500		**500**		
123	5	500		**500**		
124	5	500		**500**		
125	8	1,456		**1,456**		
126	2	412		**412**		
127	2	702		**702**		
128	2	702		**702**		
129	2	702		**702**		
130	3	360		**360**		
131	3	360		**360**		

	C	D	E	F	G	H
132	3	360		**360**		
133	6	540		**540**		
134	6	540		**540**		
135	6	540		**540**		
136	10	300		**300**		
137	1	71		**71**		
138	1	1,000		**1,000**		
139	3	1,245		**1,245**		
140	2	676		**676**		
141	1	170		**170**		
142	2	222		**222**		
143	4	92		**92**		
144	5	30		**30**		
145		-		**-**		
146	4	200		**200**		
147	2	372		**372**		
148	2	108		**108**		
149	2	101		**101**		
150	2	96		**96**		
151	2	100		**100**		
152	2	78		**78**		
153	2	250		**250**		
154	2	270		**270**		
155		-		**-**		
156	3	402		**402**		
157	1	63		**63**		
158	1	466		**466**		
159	1	308		**308**		
160		-		**-**		
161	200	276		**276**		
162	200	600		**600**		
163	4	324		**324**		
164	6	360		**360**		
165	4	484		**484**		
166	4	484		**484**		
167	2	2,990		**2,990**		
168	2	138		**138**		
169	2	138		**138**		
170		-		**-**		
171	220	10,835		**10,835**		
172	100	500		**500**		
173	2	494		**494**		
174	25	3,000		**3,000**		
175	2	4,934		**4,934**		

	C	D	E	F	G	H
176		-		-		
177	1	1,307		**1,307**		
178	1	2,077		**2,077**		
179	1	3,385		**3,385**		
180		-		-		
181	1	769		**769**		
182	1	1,077		**1,077**		
183	1	470		**470**		
184	2	160		**160**		
185	2	80		**80**		
186	1	300		**300**		
187		**76,320**	-	**76,320**		
188						
189						
190	80	800		**800**		
191		**800**	-	**800**		
192		**472,825**	-	**472,825**		
193	***10.0%***	*43,565*	-	**43,565**		
194		**516,390**	-	**516,390**		
195						
196						
197	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**		
198						
199						
200	8%	1,128		**1,128**		
201	100%	5,200		**5,200**		
202		**6,328**	-	**6,328**		
203		**6,328**	-	**6,328**		
204	***10.0%***	*633*	-	**633**		
205		**6,961**	-	**6,961**		

	A	B
1	**PREDICT-2 Indonesia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
6	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
7		
8		
9		
10		
11	**Salaries Total**	
12		
13	**Fringe Benefits**	
14	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
15	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
16	0	-
17	0	-
18	0	-
19	0	-
20	**Fringe Benefits Total**	
21		
22	**International Travel**	
23	Scoping visit/meetings with in-country partners	4,234
24	Sampling trip	10,117
25		
26		
27		
28	**Total International Travel**	
29		
30	**Contractual**	
31	Bogor Agricultural University subagreement (detail below)	
32	Eijkman Institute of Molecular Biology subagreement (detail below)	
33	Puskesmas Kawangkoan Hospital subagreement	
34	Noongan Hospital subagreement	
35		
36		
37		
38	Jusuf Kalengkongan (Behavioral Surveillance)(includes stipend, interviewee costs, travel, transcription and translation services)	50,000
39	**Total Contractual**	
40		
41	**Supplies**	
42	Supplies (purchased in US, shipped to Indonesia)	5,000
43	Sample/supply shipping costs	5,000
44		

	A	B
45		
46	**Total Supplies**	
47	**Total Direct Costs**	
48	***Indirect Costs***	
49	***Indirect Costs on Contracts & Subagreements***	
50	***EHA Global - see tab for details***	
51	**Total Costs**	
52		
53	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Bogor Agricultural University**	
54	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
55		
56	**Salaries**	
57	Country Coordinator (Joko Pamungkas)	20,000
58	Assistant Country Coordinator	8,000
59	Lab Lead (Diah Iskandriati)	18,000
60	Lab Technologist (Uus Saepuloh)	8,000
61	Lab Technician-1 (Reza Kristiyana)	3,000
62	Lab technician-2 (Mad Ramdan)	3,000
63	Administrative support (Rachmitasari Noviana)	10,000
64	Administrative support (Rahayu Sulistina)	10,000
65	**Salaries Total**	
66		
67	**Domestic Travel**	
68	Lodging for 10 team members ($35/day, 14-day trips)	4,900
69	Per diem for field team (15 persons)	600
70	Vehicle rental fees: 2 cars in the field (cost/day including driver, gas, tolls)	180
71	Local meetings transport	50
72	**Total Domestic Travel**	
73		
74	**International Travel**	
75		
76	**Total International Travel**	
77		
78	**Diagnostics**	
79	Cost per sample for testing for all five viral families, including initial extraction	200
80	Barcoding	75
81	**Total Diagnostics**	
82		
83	**Supplies**	
84	Tubes (US$ 4800), syringes with needles (US$ 250), cotton swab (US$ 4800)	$9,850
85	Trizol 100ml	$500
86	VTM 100mL	$100

	A	B
87	Other field disposables (Cryo boxes, micropipet tips)	$500
88	Field and Lab PPE (gloves, masks, protective coveralls)	$500
89	Animal capture equipment (nets, poles, traps)	$50
90	Dart syringes	$15
91	Ketamine HCl 100mL	$100
92	Pipet tips w/ filter	$20
93	Dry shippers	$3,000
94	Nitrile Gloves	$10
95	PCR tubes	$100
96	Alcohol swab	$5
97	50mL conical tubes/ self standing	$20
98	15mL conical tubes/ self standing	$25
99	Nylon Socks	$2
100	Waterbath	$2,500
101	Dry ice + shipping	$500
102	Liquid N2	$5
103	Camera and lenses	$1,300
104	Computers (2 units, 1 for Diagnostic lab and 1 for data management)	$1,300
105	Office supplies	$1,500
106		
107	**Total Supplies**	
108		
109	**Supplies**	
110	Publishing cost	1,000
111		
112	**Total Supplies**	
113	**Total Direct Costs**	
114	***Indirect Costs***	
115	**Total Costs**	
116		
117	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Eijkman Institute of Molecular Biology**	
118	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
119		
120	**Salaries**	
121	Dodi Safari_ Laboratory Coordinator	54,000
122	Ageng Wiyatno – Research Assistant	15,600
123	Tina Kusumaningrum – Research Assistant	10,800
124	Technical Consultant – Chairin Nisa Mar'oef	14,400
125	Technical Consultant - Ungke Antonjaya	20,400
126	Finance and administrative staff - Wirda Damanik	28,800
127	Research Assistant (TBD)	6,000
128	**Salaries Total**	
129		
130	**Fringe Benefits**	

	A	B
131	13th Salary - Dodi Safari	4,500
132	Health Insurance – Ageng Wiyatno	200
133	Health Insurance – Tina Kusumaningrum	200
134	Social Security Plan – Ageng Wiyatno	973
135	Social Security Plan – Tina Kusumaningrum	674
136	13th Salary – Ageng Wiyatno	1,300
137	13th Salary – Tina Kusumaningrum	900
138	13th Salary – Chairin Nisa Mar'oef	1,200
139	13th Salary – Ungke	1,700
140	13th Salary – RA (TBD)	500
141	Social Security Plan – RA (TBD)	374
142	Health Insurance – RA (TBD)	200
143	13th Salary - Wirda Damanik	2,400
144	**Fringe Benefits Total**	
145		
146	**Domestic Travel Field Team**	
147	Manado (5 pax, 5 days RT)	2,310
148	Bali (3 pax, 4 days RT)	2,180
149	Other sites (3 pax, 4 days RT)	2,180
150	Local transportation	100
151	**Total Domestic Travel**	
152		
153	**International Travel**	
154	Travel to international conference/meeting or training	3,000
155	EPT/PREDICT meeting	5,000
156	**Total International Travel**	
157		
158	**Equipment**	
159		
160		
161	**Total Equipment**	
162		
163	**Diagnostics**	
164	Laboratory Supplies (reagents and consumables)	73,046
165	Sequencing	7,500
166	**Total Diagnostics**	
167		
168	**Supplies**	
169	Office Supplies / Stationery	200
170	**Total Supplies**	
171		
172	**Other Costs**	
173	Biosafety and lab training	7,000
174	Communications	150
175	Shipping	2,000
176		

	A	B
177	**Total Other Costs**	
178	**Total Direct Costs**	
179	***Indirect Costs***	
180	**Total Costs**	
181		
182	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Puskesmas Kawangkoan Hospital**	
183	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
184		
185	**Salaries**	
186	Clinician	15,000
187	Phlebotomist or nurse	15,000
188	**Salaries Total**	
189	**Total Direct Costs**	
190	***Indirect Costs***	
191	**Total Costs**	
192		
193	**PREDICT-2 Indonesia Year 4 Budget - EHA subagreement to Noongan Hospital**	
194	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
195		
196	**Salaries**	
197	Clinician	15,000
198	Phlebotomist or nurse	15,000
199	**Salaries Total**	
200	**Total Direct Costs**	
201	***Indirect Costs***	
202	**Total Costs**	
203		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	10%	14,000		**14,000**
6	33%	22,110		**22,110**
7		-		**-**
8		-		**-**
9		-		**-**
10		-		**-**
11		**36,110**	**-**	**36,110**
12				
13	**31.30%**			
14	10%	4,382		**4,382**
15	33%	6,920		**6,920**
16	0%	-		**-**
17	0%	-		**-**
18	0%	-		**-**
19	0%	-		**-**
20		**11,302**	-	**11,302**
21				
22				
23	3	12,702		**12,702**
24	4	40,468		**40,468**
25		-		**-**
26		-		**-**
27		-		**-**
28		**53,170**	**-**	**53,170**
29				
30				
31		508,112	-	**508,112**
32		240,752	-	**240,752**
33		18,975	-	**18,975**
34		18,975	-	**18,975**
35		-		**-**
36		-		**-**
37		-		**-**
38	1	50,000		**50,000**
39		**836,814**	**-**	**836,814**
40				
41				
42	1	5,000		**5,000**
43	1	5,000		**5,000**
44		-		**-**

	C	D	E	F
45		-		-
46		**10,000**	-	**10,000**
47		**947,397**	-	**947,397**
48	***32.0%***	*35,386*	-	*35,386*
49	***32.0%***	*26,940*		*26,940*
50				-
51		**1,009,723**	-	**1,009,723**
52				
53				
54	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
55				
56				
57	50%	10,000		**10,000**
58	100%	8,000		**8,000**
59	35%	6,300		**6,300**
60	50%	4,000		**4,000**
61	100%	3,000		**3,000**
62	50%	1,500		**1,500**
63	30%	3,000		**3,000**
64	20%	2,000		**2,000**
65		**37,800**	-	**37,800**
66				
67				
68	4	19,600		**19,600**
69	30	18,000		**18,000**
70	30	5,400		**5,400**
71	24	1,200		**1,200**
72		**44,200**	-	**44,200**
73				
74				
75		-		-
76		-	-	-
77				
78				
79	1600	320,000		**320,000**
80	160	12,000		**12,000**
81		**332,000**	-	**332,000**
82				
83				
84	1	9,850		**9,850**
85	4	2,000		**2,000**
86	4	400		**400**

	C	D	E	F
87	1	500		**500**
88	1	500		**500**
89	30	1,500		**1,500**
90	250	3,750		**3,750**
91	2	200		**200**
92	200	4,000		**4,000**
93	2	6,000		**6,000**
94	200	2,000		**2,000**
95	20	2,000		**2,000**
96	20	100		**100**
97	4	80		**80**
98	4	100		**100**
99	20	40		**40**
100	1	2,500		**2,500**
101	8	4,000		**4,000**
102	400	2,000		**2,000**
103	1	1,300		**1,300**
104	2	2,600		**2,600**
105	1	1,500		**1,500**
106		-		**-**
107		**46,920**	**-**	**46,920**
108				
109				
110	1	1,000		**1,000**
111		-		**-**
112		**1,000**	**-**	**1,000**
113		**461,920**	**-**	**461,920**
114	***10.0%***	*46,192*	-	**46,192**
115		**508,112**	**-**	**508,112**
116				
117				
118	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
119				
120				
121	30%	16,200		**16,200**
122	85%	13,260		**13,260**
123	100%	10,800		**10,800**
124	50%	7,200		**7,200**
125	30%	6,120		**6,120**
126	30%	8,640		**8,640**
127	85%	5,100		**5,100**
128		**67,320**	**-**	**67,320**
129				
130				

	C	D	E	F
131	30%	1,350		**1,350**
132	85%	170		**170**
133	100%	200		**200**
134	85%	827		**827**
135	100%	674		**674**
136	85%	1,105		**1,105**
137	100%	900		**900**
138	50%	600		**600**
139	30%	510		**510**
140	85%	425		**425**
141	85%	318		**318**
142	85%	170		**170**
143	30%	720		**720**
144		**7,970**	-	**7,970**
145				
146				
147	5	11,550		**11,550**
148	3	6,540		**6,540**
149	3	6,540		**6,540**
150	12	1,200		**1,200**
151		**25,830**	-	**25,830**
152				
153				
154	2	6,000		**6,000**
155	1	5,000		**5,000**
156		**11,000**	-	**11,000**
157				
158				
159		-		-
160		-		-
161		-	-	-
162				
163				
164	1	73,046		**73,046**
165	1	7,500		**7,500**
166		**80,546**	-	**80,546**
167				
168				
169	12	2,400		**2,400**
170		**2,400**	-	**2,400**
171				
172				
173	2	14,000		**14,000**
174	12	1,800		**1,800**
175	4	8,000		**8,000**
176		-		-

	C	D	E	F
177		**23,800**	**-**	**23,800**
178		**218,866**	**-**	**218,866**
179	***10%***	*21,887*	-	*21,887*
180		**240,752**	**-**	**240,752**
181				
182				
183	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
184				
185				
186	15%	2,250		**2,250**
187	100%	15,000		**15,000**
188		**17,250**	**-**	**17,250**
189		**17,250**	**-**	**17,250**
190	***10.0%***	*1,725*	-	**1,725**
191		**18,975**	**-**	**18,975**
192				
193				
194	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
195				
196				
197	15%	2,250		**2,250**
198	100%	15,000		**15,000**
199		**17,250**	-	**17,250**
200		**17,250**	**-**	**17,250**
201	***10.0%***	*1,725*	-	**1,725**
202		**18,975**	-	**18,975**
203				

	A	B
1	**PREDICT-2 Jordan Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	74,200
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	SCIENTIST/COUNTRY LIAISON TO EGYPT AND JORDAN (Patrick Dawson)	23,225
12	EPT PARTNER LIAISON (Billy Karesh)	82,626
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17		
18	Sampling trip (2 travelers)	10,650
19	**Total International Travel**	
20		
21	**Contractual**	
22	Jordan University of Science and Technology (JUST) (details below)	
23	Dr. Ehab Abu-Basha (consultant)	80,000
24	**Total Contractual**	
25		
26	**Supplies**	
27	Supplies (purchased in US, shipped to Jordan)	5,000
28	Sample/supply shipping costs	5,000
29	**Total Supplies**	
30	**Total Direct Costs**	
31	***Indirect Costs***	
32	***Indirect Costs on Contracts & Subagreements***	
33	***EHA Global - see tab for details***	
34	**Total Costs**	
35		
36	**PREDICT-2 Jordan Year 4 Budget - EHA subagreement to Jordan University of Science and Technology**	
37	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
38		
39	**Salaries**	
40		
41	Laboratory Technician	26,500
42	Laboratory Team Lead	50,500

	A	B
43	Laboratory Team Co-Lead	50,500
44	Field Coordinator	20,000
45	Field Veterinarian	60,000
46	Field Technician 1 for Human Surveillance	30,000
47	Junior Field Technician 1	15,000
48	Junior Field Technician 2	15,000
49	Administrative support 1	70,500
50	**Salaries Total**	
51		
52	**Domestic Travel**	
53	Lodging for 10 team members (daily)	71
54	Per diem for field team (daily)(10 team members, two weeks)	71
55	Vehicle rental fees (cost/day including driver, gas, tolls)	1,286
56	**Total Domestic Travel**	
57		
58	**International Travel**	
59	Country Coordinator to regional meeting (includes flight and per diem)	4,000
60	**Total International Travel**	
61		
62	**Diagnostics**	
63	Testing for four viral families, including initial extraction (2 samples per animal x 200 bats)	120
64	Cloning and sequencing (bats) (10% positive)	100
65	Cost per sample for serology testing at JUST (1 sample per person x 200 humans)	20
66	Confirmatory serology testing at Columbia University (1 sample per person x 200 humans)	20
67	**Total Diagnostics**	
68		
69	**Supplies**	
70	Tubes, syringes, needles	5,000
71	Other field disposables (Cryo boxes, vacutainers, 96-well plates)	5,000
72	Field and lab PPE (gloves, masks, protective coveralls)	5,000
73	Animal capture equipment (nets, poles, traps)	5,000
74	Dry shippers	3,000
75	Office Supplies	9,000
76	**Total supplies**	
77		
78	**Other Costs**	
79	Acknowledgements for human research partipipants (sampled and interviewed)	10
80	Transcription and translation for behavioral surveys	3,000
81	Publishing cost	2,000
82	**Total Other Costs**	
83	**Total Direct Costs**	
84	***Indirect Costs, est***	
85	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	37,100		**37,100**
6	3%	7,919		**7,919**
7		-		-
8		**45,019**	**-**	**45,019**
9				
10	**31.30%**			
11	50%	11,612		**11,612**
12	3%	2,479		**2,479**
13	0%	-		-
14		**14,091**	**-**	**14,091**
15				
16				
17		-		-
18	2	21,300		**21,300**
19		**21,300**	**-**	**21,300**
20				
21				
22		260,907	-	**260,907**
23	1	80,000	-	**80,000**
24		**340,907**	**-**	**340,907**
25				
26				
27	1	5,000		**5,000**
28	1	5,000		**5,000**
29		**10,000**	-	**10,000**
30		**431,317**	**-**	**372,207**
31	***32.0%***	*28,931*	-	**28,931**
32	***32.0%***	*25,600*		**25,600**
33				-
34		**485,849**	**-**	**426,738**
35				
36				
37	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
38				
39				
40		-		-
41	40%	10,600		**10,600**
42	30%	15,150		**15,150**

	C	D	E	F
43	30%	15,150		**15,150**
44	40%	8,000		**8,000**
45	30%	18,000		**18,000**
46	30%	9,000		**9,000**
47	40%	6,000		**6,000**
48	40%	6,000		**6,000**
49	8%	5,288		**5,288**
50		**93,188**	-	**93,188**
51				
52				
53	140	10,000		**10,000**
54	140	10,000		**10,000**
55	14	18,000		**18,000**
56		**38,000**	-	**38,000**
57				
58				
59	1	4,000		**4,000**
60		**4,000**	-	**4,000**
61		.		
62				
63	400	48,000		**48,000**
64	40	4,000		**4,000**
65	200	4,000		**4,000**
66	200	4,000		**4,000**
67		**60,000**	-	**60,000**
68				
69				
70	1	5,000		**5,000**
71	1	5,000		**5,000**
72	1	5,000		**5,000**
73	1	5,000		**5,000**
74	1	3,000		**3,000**
75	1	9,000		**9,000**
76		**32,000**	-	**32,000**
77				
78				
79	500	5,000		**5,000**
80	1	3,000		**3,000**
81	1	2,000		**2,000**
82		**10,000**	-	**10,000**
83		**237,188**	-	**237,188**
84	***10.00%***	*23,719*	-	**23,719**
85		**260,907**	-	**260,907**

	A	B
1	**PREDICT-2 Liberia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	155,000
6	COUNTRY LIAISON, LIBERIA (Emma Lane)	53,000
7		
8	**Salaries Total**	
9		
10	**Fringe Benefits**	
11	EHA OUTBREAK LEAD/LIBERIA COORDINATOR (Jon Epstein)	48,515
12	COUNTRY LIAISON, LIBERIA (Emma Lane)	16,589
13	0	-
14	**Fringe Benefits Total**	
15		
16	**International Travel**	
17	EHA staff to Liberia	5,782
18	EHA staff to Liberia (meetings with local collaborators)	3,717
19	**Total International Travel**	
20		
21	**Contractual**	
22	Society for the Conservation of Nature, Liberia (SCNL) subagreement (detail below)	
23	National Public Health Institute of Liberia (NPHIL) (detail below)	
24	Columbia University (detail below)	
25	J. Desmond	125,000
26	**Total Contractual**	
27		
28	**Supplies**	
29	Laboratory disposables (pipette guns, tips, boxes, trays, etc) (bulk)	5,000
30	qPCR and cartridges (Ebola specific) (cost per test)	21
31	Harp traps (8), nets, poles, tubes, traps, PPE (bulk)	5,000
32	Field disposibles (for 10,000 animals/ year)	195,831
33	**Total Supplies**	
34		
35	**Other costs**	
36	Supplies to Liberia (excess baggage charge on commercial flight) (rate per shipping crate)	175
37	Shipping samples to US/supplies to Liberia	10,000
38	**Total other costs**	
39	**Total Direct Costs**	
40	***Indirect Costs***	
41	***Indirect Costs on Contracts & Subagreements***	
42	***EHA Global - see tab for details***	

	A	B
43	**Total Costs**	
44		
45	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to Society for the Conservation of Nature, Liberia (SCNL)**	
46	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
47		
48	**Salaries**	
49	Field technician (monthly)	600
50	Field technician (monthly)	600
51	Field technician (monthly)	600
52	Field technician (monthly)	600
53	Field technician (monthly)	600
54	Field technician (monthly)	600
55	Field technician (monthly)	600
56	Field technician (monthly)	600
57	Field scientist (monthly)	900
58	Field scientist (monthly)	900
59	Social scientist (monthly)	900
60	Social scientist (monthly)	900
61	**Salaries Total**	
62		
63	**Domestic Travel**	
64	Fuel (for four vehicles, 22 travel days per month)	3,200
65	Vehicle maintenance / repair (for 4 vehicles)	3,333
66	Accomodation (field house, local hotel)($30 per person per night X 20 nights per month X 10 people)	6,000
67	Food ($10 per person per day X 22 days per month X 10 people)	2,200
68	**Total Domestic Travel**	
69		
70	**Other costs**	
71	PREDICT project office rent (monthly)	1,850
72	**Total other costs**	
73	**Total Direct Costs**	
74	***Indirect Costs***	
75	**Total Costs**	
76		
77	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to National Public Health Institute of Liberia (NPHIL)**	
78	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
79		
80	**Salaries**	
81	Lab technician	6,800
82	Lab technician II	7,000
83	Lab technician III	7,200
84	Lab technician IV	7,400

	A	B
85		
86	**Salaries Total**	
87		
88	**Equipment**	
89		
90		
91		
92		
93	**Total Equipment**	
94		
95	**Diagnostics**	
96	Laboratory Reagents and Consumables (cost per sample for 5 assays)	150
97	Sequencing for 5% of samples tested	10
98	**Total Diagnostics**	
99		
100	**Supplies**	
101	Pipettor Set (GeneMate) inluding multichannel	2,550
102	Gel Box and electrophoresis power supply	1,560
103	**Total Supplies**	
104	**Total Direct Costs**	
105	***Indirect costs***	
106	**Total Costs**	
107		
108	**PREDICT-2 Liberia Year 4 Budget - EHA subagreement to Columbia University**	
109	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
110		
111	**Salaries**	
112	Simon Anthony - Associate Research Scientist	125,000
113	Isa Navarette - Senior Technician	50,375
114	Alex Petrosov - Deep Sequencing Technician	55,413
115	Bohyun Lee - Bioinformatics	54,737
116	Brittany Miller - Project Manager	56,067
117	**Salaries Total**	
118		
119	**Fringe Benefits**	
120	Simon Anthony - Associate Research Scientist	35,250
121	Isa Navarette - Senior Technician	14,206
122	Alex Petrosov - Deep Sequencing Technician	15,626
123	Bohyun Lee - Bioinformatics	15,436
124	Brittany Miller - Project Manager	15,811
125	**Fringe Benefits Total**	
126		
127	**Diagnostics**	
128	Cost per sample for testing for all five viral families, including initial extraction	50

	A	B
129		
130	**Total Diagnostics**	
131		
132	**Other costs**	
133	Sanger sequencing of approximately 750 positive samples (8 sequences each, $5/sequence)	41
134	**Total other costs**	
135	**Total Direct Costs**	
136	***Indirect costs***	
137	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
3				
4				
5	5%	7,750		**7,750**
6	30%	15,900		**15,900**
7		-		-
8		**23,650**	**-**	**23,650**
9				
10	**31.30%**			
11	5%	2,426		**2,426**
12	30%	4,977		**4,977**
13	0%	-		-
14		**7,402**	**-**	**7,402**
15				
16				
17	2	11,564		**11,564**
18	2	7,434		**7,434**
19		**18,998**	**-**	**18,998**
20				
21				
22		329,780	-	**329,780**
23		201,311	-	**201,311**
24		519,537	-	**519,537**
25	1	125,000		**125,000**
26		**1,175,628**	-	**1,175,628**
27				
28				
29	0	-		-
30	-	-		-
31	0	-		-
32	1	195,831		**195,831**
33		**195,831**	**-**	**195,831**
34				
35				
36	11	1,925		**1,925**
37	1	10,000		**10,000**
38		**11,925**		**11,925**
39		**1,433,434**	**-**	**1,433,434**
40	***32.0%***	*82,498*	-	*82,498*
41	***32.0%***	*40,000*		*40,000*
42				-

	C	D	E	F
43		**1,555,932**	**-**	**1,555,932**
44				
45				
46	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
47				
48				
49	12	7,200		**7,200**
50	12	7,200		**7,200**
51	12	7,200		**7,200**
52	12	7,200		**7,200**
53	12	7,200		**7,200**
54	12	7,200		**7,200**
55	12	7,200		**7,200**
56	12	7,200		**7,200**
57	12	10,800		**10,800**
58	12	10,800		**10,800**
59	12	10,800		**10,800**
60	12	10,800		**10,800**
61		**100,800**	**-**	**100,800**
62				
63				
64	12	38,400		**38,400**
65	12	40,000		**40,000**
66	12	72,000		**72,000**
67	12	26,400		**26,400**
68		**176,800**	**-**	**176,800**
69				
70				
71	12	22,200		**22,200**
72		**22,200**	**-**	**22,200**
73		**299,800**	**-**	**299,800**
74	***10.0%***	*29,980*	-	**29,980**
75		**329,780**	**-**	**329,780**
76				
77				
78	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
79				
80				
81	100%	6,800		**6,800**
82	100%	7,000		**7,000**
83	100%	7,200		**7,200**
84	100%	7,400		**7,400**

	C	D	E	F
85		-		-
86		**28,400**	-	**28,400**
87				
88				
89		-		-
90		-		-
91		-		-
92		-		-
93		-	-	-
94				
95				
96	1000	150,000		**150,000**
97	50	500		**500**
98		**150,500**	-	**150,500**
99				
100				
101	1	2,550		**2,550**
102	1	1,560		**1,560**
103		**4,110**	-	**4,110**
104		**183,010**	-	**183,010**
105	**10.0%**	*18,301*	-	*18,301*
106		**201,311**	-	**201,311**
107				
108				
109	**UNIT # / LOE %**	**USAID EBOLA**	**Cost Share**	**Year 4 Total**
110				
111				
112	22%	27,500		**27,500**
113	30%	15,113		**15,113**
114	17%	9,237		**9,237**
115	8%	4,560		**4,560**
116	3%	1,867		**1,867**
117		**58,276**	-	**58,276**
118	**28.2%**			
119				
120	22%	7,755		**7,755**
121	30%	4,262		**4,262**
122	17%	2,605		**2,605**
123	8%	1,286		**1,286**
124	3%	527		**527**
125		**16,434**	-	**16,434**
126				
127				
128	5000	250,000		**250,000**

	C	D	E	F
129		-		-
130		**250,000**	**-**	**250,000**
131				
132				
133	0	-	-	-
134		**-**	**-**	**-**
135		**324,710**	**-**	**324,710**
136	**60.0%**	*194,826*	-	*194,826*
137		**519,537**	**-**	**519,537**

	A	B
1	**PREDICT-2 Malaysia Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	COUNTRY LIAISON, MALAYSIA (Allison White)	70,000
6	EHA OUTBREAK LEAD (Jon Epstein)	155,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	COUNTRY LIAISON, MALAYSIA (Allison White)	21,910
11	EHA OUTBREAK LEAD (Jon Epstein)	48,515
12	**Fringe Benefits Total**	
13		
14	**International Travel**	
15	INSTITUTIONAL LEAD (Peter Daszak) to Malaysia	7,944
16	Scoping visit/meetings with in-country partners	3,404
17	Sampling trip	7,824
18	**Total International Travel**	
19		
20	**Contractual**	
21	Conservation Medicine subagreement (see detail below)	
22	**Total Contractual**	
23		
24	**Equipment**	
25		
26	**Total Equipment**	
27	**Total Direct Costs**	
28	***Indirect Costs***	
29	***Indirect Costs on Contracts & Subagreements***	
30	***EHA Global - see tab for details***	
31	**Total Costs**	
32		
33	**PREDICT-2 Malaysia Year 4 Budget - EHA subagreement to Conservation Medicine (previously known as Tom Hughes)**	
34	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
35		
36	**Salaries**	
37	Tom Hughes (Program Coordinator)	114,984
38	Mei Ho Lee (Lab Coordinator)	27,188
39	Jimmy Lee (Field Coordinator)	24,910
40	Lab Manager WHGFL	15,865
41	Faizal Kamarol Zaman (Program Assistant)	15,897
42	Emily Sion (Lab Tech)	9,574
43	Lab Tech	8,076

	A	B
44	Andrew Ginsos WHU Team leader stipend (not full salary)	673
45	Senior Ranger	9,270
46	Junior Ranger	6,176
47	Junior Ranger	6,176
48	Junior Ranger	6,176
49	Junior Ranger	6,176
50	Junior Ranger	6,176
51	**Salaries Total**	
52		
53	**Domestic Travel**	
54	Food, Accommodation, fuel, 1 DF sampling trip Kinabatangan	3,403
55	Food, fuel, 1 DF sampling trip Telupid	616
56	Food, Accommodation, fuel, vehicle and other rentals OA sampling trip	3,818
57	Accomodation for team PM and Sabah for meetings and work other than field trips.	449
58	Domestic flights, fuel and tolls (monthly cost)	1,420
59	**Total Domestic Travel**	
60		
61	**International Travel**	
62	Country coordinator to RDMA (includes cost of flight, accomodation 3 nights, food, local transportation)	906
63		
64	**Total International Travel**	
65		
66	**Diagnostics**	
67	Testing DF animals, unpooled U, T samples for 5 priority families (cost per sample)	56
68	Testing bats collected by Dr Vijay and PhD student, unpooled U, T samples for 5 priority families (cost per sample)	57
69	Testing OA wild animal, unpooled U, T samples for 5 priority families (cost per sample)	43
70	Testing OA Livestock or domestic animals, unpooled U, T samples for 5 priority families (cost per sample)	37
71	Testing Human OA, unpooled N, T samples for 5 priority families (cost per sample)	49
72	Testing Human OA, unpooled U, R samples for 5 priority families (cost per sample)	58
73	Testing 100 Humans for Syndromic Surveillance Sabah, unpooled samples for 5 priority families (cost per sample)	58
74	**Total Diagnostics**	
75		
76	**Supplies**	
77	Consumables for 400 animals 4 DF sampling trips Kinabatangan (cost per trip)	963
78	Consumables for 400 animals 4 DF sampling trips Telupid (cost per trip)	2,296
79	Consumables for 720 animals over 6 OA sampling trips (360 Wild, 360 domestic or Livestock) (cost per trip)	3,177
80	Consumables for 600 Orang Asli over 6 trips (cost per trip)	4,446

	A	B
81	Consumables for 100 Humans for Syndromic Surveillance Sabah for 6 sample types (cost per person)	26
82	Consumables for Syndromic Surveillance Sabah - liquid Nitrogen	1,795
83	Office supplies	11
84		
85	**Total Supplies**	
86		
87	**Other Costs**	
88	Communication (monthly)	449
89	Accounting software annual fee	75
90	Car Maintenance x 2 Hilux	261
91	Office rent	112
92	Office maintenance	26
93	Conference registrations	673
94	Lab equipment preventative maintenance PM 1 year	5,609
95	Lab equipment preventative maintenance Sabah 1 year	1,884
96		
97		
98	**Total Other Costs**	
99	**Total Direct Costs**	
100	***Indirect Costs***	
101	**Total Costs**	
102		

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	20%	14,000		**14,000**
6	10%	15,500		**15,500**
7		**29,500**	**-**	**29,500**
8				
9	**31.30%**			
10	20%	4,382		**4,382**
11	10%	4,852		**4,852**
12		**9,234**	**-**	**9,234**
13				
14				
15	1	7,944		**7,944**
16	1	3,404		**3,404**
17	1	7,824		**7,824**
18		**19,172**	**-**	**19,172**
19				
20				
21		716,537	-	**716,537**
22		**716,537**	**-**	**716,537**
23				
24				
25		-		-
26		-	-	-
27		**774,443**	**-**	**774,443**
28	***32.0%***	*18,530*	-	*18,530*
29	***32.0%***			-
30				-
31		**792,972**	**-**	**792,972**
32				
33				
34	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
35				
36				
37	50%	57,492		**57,492**
38	50%	13,594		**13,594**
39	50%	12,455		**12,455**
40	100%	15,865		**15,865**
41	50%	7,948		**7,948**
42	50%	4,787		**4,787**
43	50%	4,038		**4,038**

	C	D	E	F
44	50%	337		**337**
45	50%	4,635		**4,635**
46	50%	3,088		**3,088**
47	50%	3,088		**3,088**
48	50%	3,088		**3,088**
49	50%	3,088		**3,088**
50	50%	3,088		**3,088**
51		**136,591**	**-**	**136,591**
52				
53				
54	2	6,807		**6,807**
55	3	1,848		**1,848**
56	6	22,910		**22,910**
57	12	5,384		**5,384**
58	12	17,037		**17,037**
59		**53,986**	**-**	**53,986**
60				
61				
62	1	906		**906**
63		-		-
64		**906**	**-**	**906**
65				
66				
67	2,000	111,807		**111,807**
68	2,000	114,261		**114,261**
69	800	34,251		**34,251**
70	800	29,584		**29,584**
71	2,400	117,101		**117,101**
72	300	17,279		**17,279**
73	200	11,639		**11,639**
74		**435,922**	**-**	**435,922**
75				
76				
77	4	3,852		**3,852**
78	4	9,186		**9,186**
79	6	19,065		**19,065**
80	6	26,678		**26,678**

	C	D	E	F
81	100	2,601		**2,601**
82	1	1,795		**1,795**
83	12	137		**137**
84		-		**-**
85		**63,314**	**-**	**63,314**
86				
87				
88	12	5,384		**5,384**
89	1	75		**75**
90	12	3,130		**3,130**
91	12	1,346		**1,346**
92	12	314		**314**
93	12	8,076		**8,076**
94	1	5,609		**5,609**
95	1	1,884		**1,884**
96		-		**-**
97		-		-
98		**25,819**	**-**	**25,819**
99		**716,537**	**-**	**716,537**
100	***0.0%***	-	-	-
101		**716,537**	**-**	**716,537**
102				

	A	B
1	**PREDICT-2 Republic of Congo Year 4 Budget - EcoHealth Alliance subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	SCIENTIST/COUNTRY LIAISON TO RoC (TBN)	70,000
6	EPT PARTNER LIAISON (Billy Karesh)	263,980
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	SCIENTIST/COUNTRY LIAISON TO RoC (TBN)	21,910
11	EPT PARTNER LIAISON (Billy Karesh)	82,626
12	**Fringe Benefits Total**	
13		
14	**Domestic Travel**	
15		
16	**Total Domestic Travel**	
17		
18	**International Travel**	
19	EHA staff to Republic of Congo (sampling trip)	5,784
20	EHA staff to Republic of Congo (scoping visit/meetings with local collaborators)	5,454
21		
22	**Total International Travel**	
23		
24	**Contractual**	
25	Laboratoire National de Sante Publique (LNSP) (detail below)	
26	Laboratoire National de Diagnostic Veterinaire de Brazzaville (LDVB) (detail below)	
27	Meyangui Integrated Health Centre, Brazzaville (detail below)	
28	Columbia University (detail below)	
29	**Total Contractual**	
30		
31	**Supplies**	
32	**PPE (Wildlife)**	
33	Nitrile Large extended cuff (500 per case)	252
34	Nitrile Medium extended cuff (500 per case)	252
35	Nitrile small extended cuff (500 per case)	252
36	N100 respirators (20 per case)	190
37	N95 respirators (80 per case)	243
38	tyvek hooded large (25 per case)	290
39	tyvek hooded medium (25 per case)	290
40	safety glasses	355
41	**Blood Collection**	
42	Isoflurane (250mL/bottle)	35
43	LW-scientific-usa-e8-series-centrifuge	578

	A	B
44	HemataStata II microhematocrit centrifuge	2,325
45	HemataStata II microhematocrit rechargable Ni-metal battery	168
46	HemataStata II microhematocrit centrifuge carrying case	373
47	ClearCRIT Self-Sealing Mylar Wrapped Glass Hematocrit Tubes- 75mm heparinized - 1000 tubes	273
48	Heavy Duty Metal Handle Glass Cutter (for scoring hematocrit tubes)	13
49	Microhematocrit tube Heparinized; 75mm (1000 per case)	61
50	Hematocrit tube sealant (10 per package)	46
51	Microhematorcrit capillary pipette bulb	10
52	Cryovials 0.5mL (for serum)	588
53	Nunc internally threaded cryovials, 1.8mL	1,385
54	Nunc 3.6 mL	1,603
55	colored caps blue (500 units/case)	170
56	colored caps red (500 units/case)	170
57	colored caps green (500 units/case)	170
58	colored caps yellow (500 units/case)	170
59	colored caps brown (500 units/case)	170
60	colored caps grey (500 units/case)	170
61	Corning cryobox 10x10	153
62	Cotton balls (med)	54
63	BD alcohol swabs	29
64	Needles 27g 3/4	100
65	Needles 25g 3/4	100
66	Needles 23g 3/4	100
67	Needles 18g 3/4	100
68	Red-top vaccutainer 3.0 mL	182
69	Red-top vaccutainer 6.0 mL	206
70	pipette gun: 1 µl -10uL	351
71	pipette gun: 100 µl -1000uL	351
72	pipette gun 20uL-200uL	351
73	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 100-1000uL (960/case)	120
74	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 20-200uL (960/case)	120
75	Fisherbrand™ SureOne™ Aerosol Barrier Pipette Tips 0.1-10uL (960/case)	120
76	Syringes 1mL	90
77	Syringes 3mL	90
78	Syringes 5mL	90
79	Sharps containers 8 gal	30
80	Waste Bag w/Biohazard Symbol (500 case; 7-10 gal)	71
81	Viral transport media (pre-aliquotted)	1,000
82	Fine-tipped (aluminum shaft) sterile swabs (bats&rodents) (500 case)	415
83	Puritan 6' polyester sterile swabs minitip (500 case)	338
84	Povidone iodine prep pad (1000/case)	170
85	Lactated Ringers solution- sterile, nonpyrogenic, no bacteriostatic nor antimicrobial agents (250ML, INJECTION, case of 24 bags)	111

	A	B
86	Puralube Veterinary Ophthalmic Ointment DVP 3.5GM	23
87	Triple antibiotic ointment - 0.5gr (20 per package)	6
88	**Measurements**	
89	Fisherbrand* Traceable* Digital Calipers	50
90	OHAUS CS series flat scale	186
91	Pesola® Micro-Line Spring Scale 10 g	54
92	Pesola® Micro-Line Spring Scale 30 g	51
93	Pesola® Micro-Line Spring Scale 60 g	48
94	Pesola® Micro-Line Spring Scale 100 g	50
95	Pesola® LightLine Spring Scale 1000g	39
96	Pesola® LightLine Spring Scale 10kg	125
97	Pesola® LightLine Spring Scale 20kg	135
98	**Clean up**	
99	Autoclave/biohazard bags large 45x36in	134
100	Antiseptic towelettes (Benzalkonium chloride; case of 1000)	63
101	CiDecon disinfectant wipes for hard surfaces (case of 12)	466
102	OSM Hand sanitizer wipe (100 Count dispenser/ 12 case)	308
103	**capture (Bats)**	
104	Cotton holding bag (8in x 12in)	1
105	Cotton holding bag for large bats	3
106	500 lumen rechargable headlamp	81
107	200-300 lumen rechargable headlamp	60
108	Wildlife handling leather gloves (small)	121
109	Wildlife handling leather gloves (large)	121
110	Harp trap 72in by 80in	1,495
111	Baffle bar roost 6 ft	69
112	Replacement catch bag for harp trap	69
113		
114	**Total Supplies**	
115		
116	**Diagnostics**	
117		
118	**Total Diagnostics**	
119		
120	**Other Costs**	
121	Supplies to Republic of Congo (excess baggage charge on commercial flight) (rate per shipping crate)	175
122	Shipping samples/supplies to US	10,000
123		
124	**Total Other Costs**	
125	**Total Direct Costs**	
126	***Indirect Costs***	
127	***Indirect Costs on subagreements & Contracts***	
128	***EHA Global - see tab for details***	
129	**Total Costs**	
130		

	A	B
131	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Laboratoire National de Sante Publique (LNSP)**	
132	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
133		
134	**Salaries**	*Per month*
135	LNSP Technical Lead (Pr. Para)	452
136	LNSP - Senior Lab Tech (Dr Niala)	226
137	LNSP Lab Technician - (Mme Gangone)	181
138		
139		
140	**Salaries Total**	
141		
142	**Fringe Benefits**	
143		
144		
145	**Fringe Benefits Total**	
146		
147	**Domestic Travel**	
148	Sibiti Hospital Human Surveillance	439
149	Field Sample Collection Sibiti	1,307
150	**Total Domestic Travel**	
151		
152	**International Travel**	
153	Trip to Cameroon for training	2,365
154	**Total International Travel**	
155		
156	**Diagnostics**	
157	Laboratory Reagents and Consumables (cost per sample for 5 assays)	150
158	Sequencing for 5% of samples tested	10
159	**Total Diagnostics**	
160		
161	**Supplies**	
162	Local lab supplies	2,000
163	Office supplies	3,158
164	**Total Supplies**	
165		
166	**Other Costs**	
167	Direct Office Operational Costs	570
168	Internet Connection cost	313
169	Strategic Meetings with RoC GoV and local EPT meetings	877
170	Customs Clearance for shipments	877
171	**Total Other Costs**	
172	**Total Direct Costs**	
173	***Indirect Costs***	
174	**Total Costs**	

	A	B
175		
176	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Laboratoire National de Diagnostic Veterinaire de Brazzaville (LDVB)**	
177	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
178		
179	**Salaries**	*Per month*
180	LDVB - Technical Lead (Dr. Ikolakouma)	452
181	LDVB - Senior Lab Tech (Dr. Nina)	226
182	LDVB - Lab Technician (Dr. Ntelo)	181
183		
184	**Total Salaries**	
185		
186	**Domestic Travel**	
187	Field Sample Collection Sibiti	7,484
188		
189	**Total Domestic Travel**	
190		
191	**International Travel**	
192	Trip to Cameroon for training	2,365
193		
194	**Total International Travel**	
195		
196	**Supplies**	
197	Field supplies	2,171
198	Office supplies	3,158
199	**Total Supplies**	
200		
201	**Other Costs**	
202	Direct Office Operational Costs	175
203	Monthly Internet Connection cost	181
204	Laptop	868
205	**Total Other Costs**	
206	**Total Direct Costs**	
207	***Indirect Costs***	
208	**Total Costs**	
209		
210	**PREDICT-2 Republic of Congo Year 4 Budget - EHA subagreement to Meyangui Integrated Health Centre, Brazzaville**	
211	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
212		
213	**Salaries**	
214	Clinician	15,000
215	Phlebotomist or nurse	15,000
216		

	A	B
217	**Total Salaries**	
218	**Total Direct Costs**	
219	***Indirect Costs***	
220	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	50%	35,000		**35,000**
6	3%	7,919		**7,919**
7		**42,919**	-	**42,919**
8				
9	**31.30%**			
10	50%	10,955		**10,955**
11	3%	2,479		**2,479**
12		**13,434**	-	**13,434**
13				
14				
15		-		-
16		-	-	-
17				
18				
19	3	17,352		**17,352**
20	2	10,908		**10,908**
21		-		-
22		**28,260**	-	**28,260**
23				
24				
25		235,635	-	**235,635**
26		30,132	-	**30,132**
27		8,910		**8,910**
28		-	-	-
29		**274,678**	-	**274,678**
30				
31				
32		-		-
33	2	504		**504**
34	3	756		**756**
35	3	756		**756**
36	4	760		**760**
37	6	1,458		**1,458**
38	3	870		**870**
39	3	870		**870**
40	2	710		**710**
41		-		-
42	15	525		**525**
43	1	578		**578**

	C	D	E	F
44	1	2,325		**2,325**
45	2	336		**336**
46	1	373		**373**
47	1	273		**273**
48	2	26		**26**
49	2	122		**122**
50	2	92		**92**
51	10	100		**100**
52	5	2,940		**2,940**
53	5	6,925		**6,925**
54	1	1,603		**1,603**
55	1	170		**170**
56	1	170		**170**
57	1	170		**170**
58	1	170		**170**
59	1	170		**170**
60	1	170		**170**
61	10	1,530		**1,530**
62	4	218		**218**
63	6	175		**175**
64	5	500		**500**
65	5	500		**500**
66	5	500		**500**
67	5	500		**500**
68	8	1,456		**1,456**
69	2	412		**412**
70	2	702		**702**
71	2	702		**702**
72	2	702		**702**
73	3	360		**360**
74	3	360		**360**
75	3	360		**360**
76	6	540		**540**
77	6	540		**540**
78	6	540		**540**
79	10	300		**300**
80	1	71		**71**
81	1	1,000		**1,000**
82	3	1,245		**1,245**
83	2	676		**676**
84	1	170		**170**
85	2	222		**222**

	C	D	E	F
86	4	92		**92**
87	5	30		**30**
88		-		**-**
89	4	200		**200**
90	2	372		**372**
91	2	108		**108**
92	2	101		**101**
93	2	96		**96**
94	2	100		**100**
95	2	78		**78**
96	2	250		**250**
97	2	270		**270**
98		-		**-**
99	3	402		**402**
100	1	63		**63**
101	1	466		**466**
102	1	308		**308**
103		-		**-**
104	200	276		**276**
105	200	600		**600**
106	4	324		**324**
107	6	360		**360**
108	4	484		**484**
109	4	484		**484**
110	2	2,990		**2,990**
111	2	138		**138**
112	2	138		**138**
113		-		**-**
114		**46,932**	**-**	**46,932**
115				
116				
117		-		**-**
118		**-**	**-**	**-**
119				
120				
121	11	1,925		**1,925**
122	1	10,000		**10,000**
123		-		**-**
124		**11,925**	**-**	**11,925**
125		**418,147**	-	**418,147**
126	**32.0%**	45,910	-	**45,910**
127	**32.0%**	18,851		**18,851**
128				**-**
129		**482,909**	**-**	**482,909**
130				

	C	D	E	F
131				
132	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
133				
134				
135	12	5,424		**5,424**
136	12	2,712		**2,712**
137	12	2,172		**2,172**
138		-		**-**
139		-		**-**
140		**10,308**	**-**	**10,308**
141				
142				
143		-		**-**
144		-		**-**
145		**-**	**-**	**-**
146				
147				
148	4	1,756		**1,756**
149	1	1,307		**1,307**
150		**3,063**	**-**	**3,063**
151		.		
152				
153	-	-		**-**
154		**-**	**-**	**-**
155				
156				
157	1200	180,000		**180,000**
158	60	600		**600**
159		**180,600**	-	**180,600**
160				
161				
162	0	-		**-**
163	0	-		**-**
164		**-**	**-**	**-**
165		.		
166				
167	12	6,840		**6,840**
168	12	3,756		**3,756**
169	3	2,631		**2,631**
170	8	7,016		**7,016**
171		**20,243**	-	**20,243**
172		**214,214**	**-**	**214,214**
173	***10.00%***	*21,421*	-	*21,421*
174		**235,635**	-	**235,635**

	C	D	E	F
175				
176				
177	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
178				
179				
180	12	5,424		**5,424**
181	12	2,712		**2,712**
182	12	2,172		**2,172**
183		-		-
184		**10,308**	-	**10,308**
185		.		
186				
187	1	7,484		**7,484**
188		-		-
189		**7,484**	-	**7,484**
190		.		
191				
192	-	-		-
193		-		-
194		-	-	-
195		.		
196				
197	1	2,171		**2,171**
198	1	3,158		**3,158**
199		**5,329**	-	**5,329**
200		.		
201				
202	12	2,100		**2,100**
203	12	2,172		**2,172**
204	0	-		-
205		**4,272**	-	**4,272**
206		**27,393**	-	**27,393**
207	***10.00%***	*2,739*	-	*2,739*
208		**30,132**	-	**30,132**
209				
210				
211	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
212				
213				
214	15%	2,250		**2,250**
215	39%	5,850		**5,850**
216		-		-

	C	D	E	F
217		**8,100**	**-**	**8,100**
218		**8,100**	**-**	**8,100**
219	***10.00%***	*810*	-	*810*
220		**8,910**	**-**	**8,910**

	A	B
1	**PREDICT-2 Thailand Year 4 Budget - ECOHEALTH ALLIANCE subagreement**	
2	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
3		
4	**Salaries**	
5	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	140,000
6	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	67,000
7	**Salaries Total**	
8		
9	**Fringe Benefits**	
10	MODELING & DATA ANALYTICS COORDINATOR (Kevin Olival)	43,820
11	MODELING AND ANALYTICS SCIENTIST (Alice Latinne)	20,971
12	**Fringe Benefits Total**	
13		
14	**International Travel**	
15	Scoping visit/meetings with in-country partners	3,822
16	Sampling trip	7,804
17	**Total International Travel**	
18		
19	**Contractual**	
20	Chulalongkorn subagreement (see detail below)	
21	TBD field technician/consultant (for human behavioral work)(includes travel, transciption and translation services)	25,573
22	**Total Contractual**	
23		
24	**Supplies**	
25	Supplies (purchased in US, shipped to Thailand)	5,000
26	Sample/supply shipping costs	5,000
27	**Total Supplies**	
28	**Total Direct Costs**	
29	***Indirect Costs***	
30	***Indirect Costs on Contracts & Subagreements***	
31	***EHA Global - see tab for details***	
32	**Total Costs**	
33		
34	**PREDICT-2 Thailand Year 4 Budget - EHA subagreement to Chulalongkorn University**	
35	**EXPENSE DESCRIPTION**	**UNIT COST / ANNUAL RATE**
36		
37	**Salaries**	
38	Country Coordinator: Supaporn	40,000
39	PI-Human study: Prof.Thiravat (Coordinate with local hospital, study design, review cases, data amalysis)	50,000
40	Co-PI-Human study: Dr.Abhinbhen (Review clinical data, select appropiate PREDICT assays, data anaysis)	20,000

	A	B
41	Lab Technician (Senior) Project manager (Prepare paper work/reports, coordinate with other partners, safety officer, manage human study)	20,000
42	IT technician for data mangment, bioinformatic and EIDITH input	15,000
43	Lab Technician Full-time Chonburi Bat, Ratchburi bat and rodent testing = 450 animals (2 specimens, 5-6 viral families) 4600 PCRs	12,000
44	Lab Technician Full-time Loei rodent and bat testing = 400 animals (2 specimens, 5-6 viral families) 4400 PCRs	12,000
45	Lab Technician full-time 100 macaque and 300 human= 400 animals (2 specimens, 5-10 viral families) 5100 PCRs	15,000
46	Lab Technician full-time DNA barcoding = 335 animals (2 genes) 670 PCRs and Sequencing	15,000
47	Hospital Coordinator (coordinate human study)	10,000
48	Field Coordinator (coordinate all animal field trips)	12,000
49	Administrative Support (Full-time)	15,000
50	**Salaries Total**	
51		
52	**Domestic Travel**	
53	Car rental, fuel, driver	449
54	Field team per diem and compenssation (including lodging)(unit # = 1 day/person)	176
55	Internal meetings within Thailand (flight and per diem; unit # = 1 trip, 1 traveler)	3,000
56	**Total Domestic Travel**	
57		
58	**Diagnostics**	
59	Extraction	12
60	RT	18
61	PCR	15
62	Cloning and sequencing (10% positive)	44
63	Barcoding	100
64	**Total Diagnostics**	
65		
66	**Supplies**	
67	PPE	12,000
68	Field disposables and reagents	10,000
69	Nets, traps	5,000
70	Lab supplies and reagents	15,000
71	Office and computer supplies	5,000
72	**Total Supplies**	
73		
74	**Other Costs**	
75	Acknowledgements for human research participants (sampled and interviewed)	10
76	Specimen transportation	100
77	Instrument maintenance / repair	10,000
78	Lab Instruments usage (6 PCR machines, 1 extraction machine, 5 centrifuges, 4 Biosafety cabinets, etc.)	100,000
79	**Total Other Costs**	

	A	B
80	**Total Direct Costs**	
81	***Indirect Costs***	
82	**Total Costs**	

	C	D	E	F
1				
2	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
3				
4				
5	10%	14,000		**14,000**
6	33%	22,110		**22,110**
7		**36,110**	**-**	**36,110**
8				
9	**31.30%**			
10	10%	4,382		**4,382**
11	33%	6,920		**6,920**
12		**11,302**	**-**	**11,302**
13				
14				
15	3	11,466		**11,466**
16	2	15,608		**15,608**
17		**27,074**	-	**27,074**
18				
19				
20		481,599	118,700	**600,299**
21	1	25,573		**25,573**
22		**507,172**	**118,700**	**625,872**
23				
24				
25	1	5,000		**5,000**
26	1	5,000		**5,000**
27		**10,000**	**-**	**10,000**
28		**591,658**	**118,700**	**710,358**
29	***32.0%***	*27,036*	-	*27,036*
30	***32.0%***	*8,183*		*8,183*
31				-
32		**626,877**	**118,700**	**745,577**
33				
34				
35	**UNIT # / LOE %**	**USAID Core**	**Cost Share**	**Year 4 Total**
36				
37				
38	30%	12,000		**12,000**
39	15%	7,500		**7,500**
40	15%	3,000		**3,000**

	C	D	E	F
41	100%	20,000		**20,000**
42	100%	15,000		**15,000**
43	100%	12,000		**12,000**
44	100%	12,000		**12,000**
45	100%	15,000		**15,000**
46	100%	15,000		**15,000**
47	100%	10,000		**10,000**
48	100%	12,000		**12,000**
49	100%	15,000		**15,000**
50		**148,500**	**-**	**148,500**
51				
52				
53	24	8,767	2,000	**10,767**
54	240	37,175	5,000	**42,175**
55	1	3,000		**3,000**
56		**48,942**	**7,000**	**55,942**
57				
58				
59	1600	18,816		**18,816**
60	2300	40,588		**40,588**
61	2300	33,824		**33,824**
62	230	10,147		**10,147**
63	850	85,000		**85,000**
64		**188,375**	**-**	**188,375**
65				
66				
67	1	12,000		**12,000**
68	1	10,000		**10,000**
69	1	5,000		**5,000**
70	1	7,500	7,500	**15,000**
71	1	2,500	2,500	**5,000**
72		**37,000**	**10,000**	**47,000**
73				
74				
75	200	2,000		**2,000**
76	30	3,000		**3,000**
77	1	10,000		**10,000**
78	1	-	100,000	**100,000**
79		**15,000**	**100,000**	**115,000**

	C	D	E	F
80		**437,817**	**117,000**	**554,817**
81	***10.0%***	*43,782*	*1,700*	**45,482**
82		**481,599**	**118,700**	**600,299**

From:	Molly Turner <turner@ecohealthalliance.org>
To:	David J Wolking <djwolking@ucdavis.edu>
CC:	Liz Leasure <ealeasure@ucdavis.edu>;Dr. Jonna Mazet <jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Peter Daszak <daszak@ecohealthalliance.org>;Aleksei Chmura <chmura@ecohealthalliance.org>;Evelyn Luciano <luciano@ecohealthalliance.org>;Ava Sullivan <sullivan@ecohealthalliance.org>
Sent:	8/29/2017 2:07:35 PM
Subject:	Re: Year 4 revised budget

I see. Let me check in with Jon today.

Molly

On Mon, Aug 28, 2017 at 7:34 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thanks Molly, this is sounding good, I'll take a look with fresh eyes tomorrow. On the SG testing costs, it looks like the budget line item for testing is 2 PCR reactions. I'm not surprised if $37 covers extraction and 2 PCRs, just wondering if it is sufficient to cover costs for all five planned viral families (7 protocols in total and some of them nested PCR reactions which is a fancy way of saying lots of PCRs likely upwards of 10+). We might just want to check that all of that is factored in since our testing platform is so weird for most labs used to a specific pathogen costing exercise.

Cheers,

D

On Mon, Aug 28, 2017 at 2:08 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

As we're still ironing out details with LANADA, $50/sample was a rough estimate based on costs at Simon's lab and the amount of Ebola money we were able to reallocate from global staff salaries. You're right, it's not enough, so I've moved some things around in the Liberia budget so that we can increase to $150/sample while keeping the overall Ebola-funded amount consistent with the last revision.

For Bangladesh, that was my error; I've added back in the Columbia University portion of the Bangladesh budget in the attached, which is where the additional macaque testing takes place. As for the low cost of testing the 2400 samples to be done at icddr,b (the remaining 1740 macaque samples will be done at Columbia), Mindy tells me that Zia is able to get a reduced bulk rate on reagents, which is why the cost per sample is so low. (I was able to reduce some costs in China in order to fund this).

Finally, the cost of testing in India is consistent with what USAID reviewed and approved when they approved our proposed subaward to Sanjay Gandhi, and our lead lab technician there has consistently said this is the cost of testing at his lab in discussions with Jon and Ava. Unfortunately Jon is not in the office today so I couldn't inquire as to why these costs are relatively low, but I can try to find out from him tomorrow when he's back. Harjeet (the lead lab technician at SG) has also provided us with a breakdown of this cost which we are happy to share with you.

Note that I also further increased the RoC testing costs in the attached.

All changes are highlighted in blue.

Best,
Molly

On Mon, Aug 28, 2017 at 1:32 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Thank you!

On Mon, Aug 28, 2017 at 10:16 AM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi David,

Sorry for the delay, I'm just checking into a few things and will get back to you ASAP.

On Fri, Aug 25, 2017 at 5:35 PM, David J Wolking <djwolking@ucdavis.edu> wrote:
Hey Molly and team,

A few quick questions (I hope) on CIV, Bangladesh, and India budgets after finalizing the GHSA country briefs today.

For CIV it looks pretty good given plans, though I'm concerned that the $50/specimen at LANADA is unrealistic for a lab in Africa (IPCI is listed as $150/specimen for comparison; in TZ we go with a likely under budgeted rate of $120/specimen). Any idea how that rate was generated?

For Bangladesh and India, it looks like viral testing costs for both countries are extremely low for the planned number of sites with the exception of IEDCR which now seems on target and justifiable.

Could you reach out to Jon for an explanation on how it is reasonable to expect PREDICT wildlife surveillance at 4 sites in Bangladesh (one of which an intensive macaque longitudinal site) to be adequately covered by a $89K viral testing budget? With that many sites and taxa planned and using the extremely low estimate of $32/sample for extraction and PCRs - this is half what it costs us at UC Davis) I'm getting a ballpark of $140K ($286K if using the UC Davis rate).

Likewise for India, the SPIPMS rate for testing is $37/specimen and states that it only covers extraction and 2 PCRs. That would only allow for testing of one PREDICT viral family as most of our viral testing requires at least 2 PCR reactions to complete. If using the UCD rate the cost jumps to over $300K for the planned work at all sites.

Nothing on Liberia at this time, I'm not an Ebola Host Project expert as the way sample testing is financed through CII and UCD throughs my methods out the window :-)

I'm sure I'll have questions on the other countries as well but we are prioritizing just the GHSA ones at this time.

Cheers and enjoy the weekend!

David

On Fri, Aug 18, 2017 at 6:14 PM, Molly Turner <turner@ecohealthalliance.org> wrote:
Hi Liz and David,

Thanks for all your comments and the quick chat today. Attached please find our revised Year 4 budget based on your feedback and below bullets on what we modified:

- EHA HQ costs were reduced by $193,529 (including salary, fringe, and indirect) by reducing time from Billy and Jon as well as our Modelling and Analytic Team (Kevin, Noam, and Anna's). Peter asked me to mention that he does not think this is ideal and he hopes this will not be a red flag for USAID, but we have done this specifically to reduce our Global and Administrative costs. He also wanted to assure you that all staff who have been reduced will remain engaged with PREDICT at the same level

- In-country testing budgets for RoC and CIV were increased by $193,529 (amount of HQ reduction) (note that only salary from Billy and Jon previously allocated to Ebola Money was used in CIV)

- Bangladesh hospitals have been reduced to only two and the funds allocated to diagnostic costs in RoC

- Core funds being rolled over from Year 3, totaling $232,194 are obligated to cover our sample testing costs in Bangladesh, China, and Egypt. These assays will be completed in Q1 of Year 4 ($62,071 of Year 3 GVP funds will go towards planned salary & travel in Year 4)

- We project a rollover of $804,193 in EHP funds. In terms of Year 3 costs, $160,000 is earmarked for the 1,850 Liberia samples that have just arrived at Simon's lab (that's $50/sample plus 60% overhead), and the rest will go to cover Year 4 costs

- IRB approval has already been obtained for India and will definitely be secured in Bangladesh before the start of Year 4

- RoC and Ivory Coast IRBs will be amended to transfer from Metabiota to EHA before Year 4 begins.

- Our team is developing the entry tool for the Malaysia human surveillance data, and the updated survey will be sent to CKJ next week.

Please let Aleksei and me know (cc to Evelyn and Ava) if there are any questions or if you'd like to talk through any details in the budget.

Best,
Molly

--
Molly Turner
Federal Grants Coordinator

EcoHealth Alliance
460 West 34th Street – 17th floor
New York, NY 10001

1.212.380.4461 (direct)
1.973.752.4627 (cell)
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EcoHealth Alliance leads cutting-edge scientific research into the critical connections between human and wildlife health and delicate ecosystems. With this science, we develop solutions that prevent pandemics and promote conservation.

--
Molly Turner
Federal Grants Coordinator

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Molly Turner
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From: [redacted]
To: Eddy Rubin <[redacted]>
Cc: Nathan Wolfe <nwolfe@metabiota.com>, [redacted], Cara Chrisman <cchrisman@usaid.gov>, Peter Daszak <daszak@ecohealthalliance.org>, Brooke Watson <watson@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>, Dennis Carroll <dcarroll@usaid.gov>, Hongying Li <li@ecohealthalliance.org>
Subject: RE: Summary of October 24th /25th GVP meetings in Beijing.
Sent: Tue, 31 Oct 2017 16:04:25 +0000

Thank you Eddy and Hongying for the update.
This is great news.

[redacted]

[redacted]
Fellow
One Health Institute
School of Veterinary Medicine
University of California, Davis

From: Eddy Rubin [mailto[redacted]
Sent: Monday, October 30, 2017 1:27 PM
To: [redacted]
Cc: Nathan Wolfe <nwolfe@metabiota.com>; [redacted]; Cara Chrisman <cchrisman@usaid.gov>; Peter Daszak <daszak@ecohealthalliance.org>; Brooke Watson <watson@ecohealthalliance.org>; Jonna Mazet <jkmazet@ucdavis.edu>; Dennis Carroll <dcarroll@usaid.gov>; Hongying Li <li@ecohealthalliance.org>
Subject: Summary of October 24th /25th GVP meetings in Beijing.

Hi GVPers
Below is a summary, that Hongying and I put together, of the October 24th /25th GVP meetings in Beijing.
The skinny is: a) State Dept and Embassy science staff are well briefed on and very enthusiastic about GVP and its potential for something positive that China and US could do together. b) General view is that we do not want China to take a leadership role in isolation in fear of their reluctance to share data, c) They are looking for something to discuss when Trump meets with Xi later next months and as such this may be a very opportune time to elevate GVP's profile connected to GHSA, c) Need to get interagency engagement in GVP in addition to USAID (NIH, USDA, Commerce…), d) US China Ambassador, Terry Branstad has Trumps ear and he knows about GVP. e) The present US administration very receptive to anything that smells of commerce (support of GVP by tech companies' good) f) other countries, Australia, Norway… view GVP as a possible way to both contribute to GHSA as well as interface with China.
Eddy

October 24, 2017
Arrival Evening Meeting at Beijing Marriott NW
Attendees:
Nancy Sung, Director of the US National Science Foundation, Head China Office
Miles Toder, Development Counselor, US Embassy
Eddy Rubin, Metabiota
Hongying Li, EcoHealth Alliance
Discussions:
- Very enthusiastic about GVP and its potential for something positive that China and US could do together.
- Do not want China to take a leadership role in isolation as fear of their reluctance to share data

- Looking for something to discuss when Trump meets with Xi later next months. How the world's 2 largest economies could contribute to GHSA
- Need to get interagency engagement in GVP in addition to USAID (NIH, USDA, Commerce…)
- The present US administration very receptive to anything that smells of commerce. Support of GVP by tech companies' good
- The UC China Ambassador has Trumps ear.
- The Belt and Road Initiative has expanded to include GHSA issues
- Need to add to GVP pitch examples: Where PREDICT surveillance-detection-response info lead to changes in public health approaches. Best examples that we can find of specific insights connected to China (We may need to bend things but we do have examples)

US Embassy, Beijing

October 25, 2017

A) Meeting with the staff from other agencies with interest in GHSA and GVP
Attendees:
Russell Harwood, Head of Development Cooperation, Australian Embassy Beijing
Mads Friborg, Health Counselor, Royal Danish Embassy
Jan Grythe, Development Counselor, Royal Norwegian Embassy
Adrienne Fuentes, Health Attaché HHS, US Embassy
Miles Toder, USAID Development Counselor, US Embassy
Nancy Sung, Director of the US National Science Foundation China Office
Sarah Ong, HHS US Embassy
FDA, US Embassy
Eddy Rubin, Metabiota
Hongying Li, EcoHealth Alliance

Discussions:
The US as well as others (Norway, Denmark Australia) should get involved in the GVP because
- It's an opportunity for engagement with China
- There is a concern about data sharing and access if only China takes the lead
- It could have economic/commercial impacts for the US companies in China
- Science is a good way to collaborate with China

Opportunities:
- Australian Government call for research under the Indo-Pacific Center for Health Security
  Australia's new investment in health security
- **25-27 October 2017 Kampala, Uganda**: 4th High Level GHSA Ministerial Meeting
  People are trying to do something difference, wait to see the plan for the next 5 years' GHSA
- **8 November 2017, Beijing/APEC**: Meeting of Presidents Xi and Trump
  US Embassy try to get "pandemic disease" related to GHSA into their conversation

agenda, currently working with the China side

- **21 November 2017 Beijing:** CEPI (Coalition for Epidemic Preparedness Innovations)/Norwegian representatives visiting China for Global Health & Health dialogue

Agenda TBD, but there is a possibility to mention GVP

- **November 2017, Beijing**: Africa CDC Union meeting with the National Health and Family Health Commission, following the China-US Social and Culture Dialogue on September 28, 2017

Time and agenda TBD, but there will be a meeting with the National Health and Family Health Commission and/or China CDC (HYL will get the slides translated into Chinese)

Questions:

- Is GVP a scientific project, or incorporating local development?
- What will be the public health impact of GVP? (e.g. public health measurements)
- How GVP will fit into the GHSA?
- How the China National Virome Project fit into the Global Virome Project?
- Ownership of the GVP? (given the multiple stakeholders and partners)
- Where GVP take money from if supported by the US government?

B) Meeting with the Acting Deputy Chief of Mission Jonathan Fritz **(**Acting Deputy Chief of Staff) Leon Skarshinski Commercial Attaché Export Trade Dept of Commerce
Eddy Rubin, Miles Toder,

- The senior leadership at the embassy really understand and are enthusiastic about GVP and its potential for something positive China and US could do together.
- The UC China Ambassador Terry Branstad understands GVP and has Trumps ear.
- Looking for something to discuss when Trump meets with Xi later next months. How the world's 2 largest economies could contribute to GHSA

C) Meeting with Members of Embassy Health Working Group. (An internal embassy group that meets regularly to discuss health related topics. They had heard GVP presented previously

Discussions:

- A discussion of scientific concerns about GVP

From: Andrew Clements <aclements@usaid.gov>
To: Katherine Leasure <kaleasure@ucdavis.edu>
CC: PREDICTMGT <predictmgt@usaid.gov>;Predict inbox <predict@ucdavis.edu>;jkmazet@ucdavis.edu <jkmazet@ucdavis.edu>
Sent: 1/5/2018 3:06:09 PM
Subject: [predict] Re: Change to Approved Group ITA - GVP Bangkok

Yes. Sorry, I thought you were amending a previously-approved ITA.

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Jan 5, 2018, at 4:43 PM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Are these individuals okay to proceed with booking their accommodations, or do we need to wait for re-concurrence from RDMA?

From: Andrew Clements [mailto:aclements@usaid.gov]
Sent: Friday, January 05, 2018 3:06 AM
To: Katherine Leasure
Cc: PREDICTMGT; Predict inbox; jkmazet@ucdavis.edu
Subject: Re: Change to Approved Group ITA - GVP Bangkok

Thanks

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Jan 5, 2018, at 12:18 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Please find below an amendment to the GVP Bangkok ITA for those participants who will also be attending the Prince Mahidol Award Conference (per verbal discussion with Dennis Carroll). Thanks!

AMENDMENT
The Global Virome Project requests approval for the individuals listed below to travel from their respective departure locations to Bangkok, Thailand from January 28 to February 4, 2018 to participate in the Global Virome Project meeting on January 29, and the Prince Mahidol Award Conference (PMAC 2018) January 29 to February 3.

Trip purpose: The GVP meeting will bring together the core croup, working group chairs and global stakeholders for presentations and meetings regarding various critical topics to move the project forward, including best practices for implementation, country coordination and governance. This will enable GVP to coordinate global planning and project implementation for the coming years, and will provide the unique opportunity to bring all stakeholders and key personnel from around the world to one location. This meeting is key to implementing the project successfully. The Prince Mahidol Award Conference 2018, "Making the World Safe from the Threats of Emerging Infectious Diseases," will provide a sharing and learning forum for multi-sectoral experts in zoonosis, AMR, climate change and related environmental fields, as well as the opportunity to engage in side meetings with partners and collaborators.

NAME

Jonna Mazet
Eri Togami
Tracey Goldstein
David Wolking
Simon Anthony
Eddy Rubin
Brooke Watson
Peter Daszak
Billy Karesh
Jon Epstein
Leilani Francisco
Kevin Olival
Chris Johnson
Carlos Zambrana-Torrelio
Hongying Li
Yasha Feferholtz
Catherine Machalaba
Tom Hughes
Ariful Islam
Rudovick Kazwala
Gian Luca Burci
Renata Curi
Keiji Fukuda
Oyewale Tomori

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
University of California, Davis
530-752-7526
530-752-3318 FAX
kaleasure@ucdavis.edu

--

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To post to this group, send email to predictmgt@usaid.gov.
To view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/03ba01d385b2%2457edc6f0%2407c954d0%24%40ucdavis.edu.

From: Andrew Clements <aclements@usaid.gov>
Sent: Tue, 6 Mar 2018 01:47:10 -0800
Subject: Fwd: PREDICT MT call agenda March 6
To: Jonna Mazet <jkmazet@ucdavis.edu>
Attachment
PREDICT MT Call (3.6.18)_final.docx

Addition testing funding? Or are you not yet ready to discuss that in front of the group.

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

Begin forwarded message:

From: REDACTED
Date: March 6, 2018 at 1:11:59 AM GMT+1
To: William Karesh <karesh@ecohealthalliance.org>, Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, "Clements, Andrew (GH/HIDN" <AClements@usaid.gov>, Eddy Rubin <erubin@metabiota.com>, Leilani Francisco <francisco@ecohealthalliance.org>, Peter Daszak <daszak@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>, "Alisa Pereira Emerging Threats Division" <apereira@usaid.gov>, Elizabeth Leasure <ealeasure@UCDAVIS.EDU>, David John Wolking <djwolking@ucdavis.edu>
Cc: Lindsay Parish <lparish@usaid.gov>, Cassandra Louis Duthil <clouisduthil@usaid.gov>, Karen Saylors <ksaylors@metabiota.com>, "Amanda Andre" <amanda.andre@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>, Catherine Machalaba <Machalaba@ecohealthalliance.org>, Ava Sullivan <sullivan@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Molly Turner <turner@ecohealthalliance.org>, "predict@ucdavis.edu" <predict@ucdavis.edu>, PREDICTMGT <predictmgt@usaid.gov>
Subject: PREDICT MT call agenda March 6

Hi PREDICT Management team,

Here is your agenda for tomorrow.

PREDICT Management Call Agenda
Tuesday, March 6, 2018
9:00-10:00AM PST/12:00-1:00pm EST
#800-444-2801, Access code REDACTED
International Dial-in number: 310-765-4820 (toll charges apply)

Standing items

USAID Updates

1. **Administrative items**
   - New travel policy regarding Mission concurrence

2. **Mission communications roundup**
   - Liberia - Mission Director meeting and USAID/GHSA team visit updates
   - Senegal - update on planned Ambassador trip to field site
   - Guinea - lab training update and upcoming USAID meetings
   - Ghana - feedback for One Health brief by FAO
   - ROC - update from calls with Mission
   - Others as needed

3. **Outbreak updates (if any)**

4. **EPT partner collaboration/coordination updates (Billy)**

5. **GVP updates (Jonna)**

6. **Publication, media, and conference updates**
   - Al Jazeera feature on PREDICT/Thailand
   - Discovery Channel "Invisible Killers" launch party in DC March 22, airing March 29, 2018
   - National Geographic TV segment inquiry (production timeline March-June)
   - "Outbreak: Epidemics in a Connected World" exhibit at NMNH (May 18, 2018)
   - NIH Changing Relevance of Material Transfer Agreements for Infectious Diseases, Georgetown (May 3-4, 2018)
   - One Health Congress Saskatoon (June 22-25, 2018)
   - International Conference on Emerging Infectious Diseases (ICEID) in Atlanta (August 26–29, 2018)
   - International Meeting on Emerging Diseases and Surveillance (IMED) 2018 in Vienna, Austria (November 9-12, 2018)
   - International Symposium of Veterinary Epidemiology and Economics (ISVEE) Thailand (November 12-16, 2018).
   - Others?

Best wishes,

REDACTED

REDACTED
Fellow
One Health Institute
School of Veterinary Medicine
University of California, Davis

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   - Others?

From: Andrew Clements <aclements@usaid.gov>
Sent: Tue, 6 Mar 2018 08:34:03 -0800
Subject: Re: PREDICT MT call agenda March 6
To: Jonna Mazet <jkmazet@ucdavis.edu>

Yep, defer

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Mar 6, 2018, at 4:41 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

> Extra viral families in EHP countries is easy/ready -- making the prioritized decisions and getting costs from labs on serology.
> So I asked that we defer to next time on that one.
> Okay?
> J

On Tue, Mar 6, 2018 at 1:47 AM, Andrew Clements <aclements@usaid.gov> wrote:

> Addition testing funding? Or are you not yet ready to discuss that in front of the group.

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
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Date: March 6, 2018 at 1:11:59 AM GMT+1
To: William Karesh <karesh@ecohealthalliance.org>, Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, "Clements, Andrew (GH/HIDN" <AClements@usaid.gov>, Eddy Rubin <erubin@metabiota.com>, Leilani Franciso <francisco@ecohealthalliance.org>, Peter Daszak <daszak@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>, "Alisa Pereira Emerging Threats Division" <apereira@usaid.gov>, Elizabeth Leasure <ealeasure@UCDAVIS.EDU>, David John Wolking <djwolking@ucdavis.edu>
Cc: Lindsay Parish <lparish@usaid.gov>, Cassandra Louis Duthil <clouisduthil@usaid.gov>, Karen Saylors <ksaylors@metabiota.com>, "Amanda Andre" <amanda.andre@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>, Catherine Machalaba <Machalaba@ecohealthalliance.org>, Ava Sullivan <sullivan@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Molly Turner <turner@ecohealthalliance.org>, "predict@ucdavis.edu" <predict@ucdavis.edu>, PREDICTMGT <predictmgt@usaid.gov>
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- Others?

Best wishes,



REDACTED

Fellow

One Health Institute

School of Veterinary Medicine

University of California, Davis

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Jonna Mazet <jkmazet@ucdavis.edu>
CC: predict@ucdavis.edu <predict@ucdavis.edu>;Hannah R Chale <hrchale@UCDAVIS.EDU>
Sent: 8/31/2018 8:59:45 PM
Subject: RE: Benefit-cost analysis of the Global Virome Project

Hi Jonna. We'll need to setup a multi-campus agreement (which would require AOR approval) to transfer funds to UCSF. A basic interlocation fund transfer cannot be used with Extramural funds, unfortunately. Only Andrew would need to approve, so we could most likely turn it around quickly if we have to. With an MCA, UCD will not take any indirects on the first $25K, but UCSF will be able to bill full indirects at their negotiated rate.

Another possibility is an Intercampus Order/Charge (IOC) document to reimburse UCSF for costs incurred, which would require UCSF to basically "invoice" us monthly or semi-monthly for payment. I've only used this type of document for supplies and travel previously, so I'll need to confirm whether or not this document can be used for payroll costs. I don't see anything indicating using an IOC to reimburse payroll costs is restricted, but it's probably best to confirm. I'll also need to confirm with Nikki whether or not there are any restrictions on the use of a sponsored account an IOC document. With this mechanism, UCD will take full indirects on all reimbursed costs, but UCSF will not be able to claim any.

We can discuss more next week, and hopefully I'll have more information at that point. Have a great weekend!

Thanks,
Liz

Elizabeth Leasure
Financial Operations Manager
One Health Institute
530-304-1403 (cell)
530-754-9034 (office)
Skype: ealeasure

From: Jonna Mazet
Sent: Thursday, August 30, 2018 10:57 AM
To: Dean Jamison ; Boyle, Colin
Cc: Matthew.Greenway@ucsf.edu; Ben Oppenheim ; nmadhav@metabiota.com; Elizabeth Leasure
Subject: Re: Benefit-cost analysis of the Global Virome Project

Thanks to you both. That all makes sense to me. Only potential change is adding a bit of budget for one or two trips or parts of trips to China, per our other email chain, Dean.
I am looping in Liz Leasure, who is our financial and contractural guru here. She is aware of the general idea, but I will also get with her to solidify mechanisms from our end. We will likely just need a paragraph or so describing the scope of work that we can get from Ben and Nita, as well as a budget for salary and travel. Should be super straight forward.
Have a nice day,
Jonna

On Wed, Aug 29, 2018 at 3:09 PM Dean Jamison <djamison@uw.edu> wrote:
Thanks, Colin

Jonna, what I have been thinking about — but this could certainly change as you develop budget with Ben and Nita — is about 2 days per month for 12 months or 10% time. I would see a little over half of this in SF with 1 trip to NY and/or DC. The rest would be at home. It would probably be simplest for Matt to manage my travel at UCSF. For initial budgeting I would think of 8 round trips, Palm Springs - SF and one rt PS to DC. 2 nights each for the SF travel and 3 nights for DC. Maybe Matt and one of your staff could develop a budget and agreement on that basis but we could slot different numbers in before finalizing if that seems to make sense?

Copying Ben and Nita for their views on whether this seems about right, too much or enough.

Best

Dean

> On Aug 29, 2018, at 1:50 PM, Boyle, Colin <Colin.Boyle@ucsf.edu> wrote:
>
> Thanks Dean and congratulations on this opportunity. It does sound exciting. I do think we can make something like this happen - if you provide the information to Matt, we can sort out how to get things set up on this end.
>
> Many thanks
>
> Colin
>
> -----Original Message-----
> From: Dean Jamison <djamison@uw.edu>
> Sent: Tuesday, August 28, 2018 1:33 PM
> To: Boyle, Colin <Colin.Boyle@ucsf.edu>
> Cc: Sepulveda, Jaime <Jaime.Sepulveda@ucsf.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Greenway, Matthew <Matthew.Greenway@ucsf.edu>
> Subject: Benefit-cost analysis of the Global Virome Project
>
> Dear Colin
>
> Dennis Carrol at USAID is commissioning a BCA of the Global Virome Project. This will be funded through USAID PREDICT at Jonna's institute at UCD. I will be involved on the economics side. Several staff of Metabiota who were responsible for the DCP3 pandemics chapter will be involved on the modeling side. There will be others (although the project is modest) involved on the scientific side, hopefully including Jonna, which would be particularly convenient in light of of her forthcoming sabbatical with IGHS.
>
> Jonna tells me that inter-campus funds transfer is relatively easy and that UCD could send the money to cover my involvement to UCSF. What I envision would be a funds transfer in two parts. One would cover XX% of my time from October through December. The other would cover YY% of my time from January 1 through September 31, 2019. I expect the money required for my travel on the project would also be transferred to UCSF.
>
> I assume an arrangement of this sort would work for IGHS? And that Matt would be the appropriate person to handle this on our end?
>
> We should explore whether there are potential synergies with other activities in IGHS.
>
> Best
>
> Dean

From:	Andrew Clements <aclements@usaid.gov>
To:	Katherine Leasure <kaleasure@ucdavis.edu>
CC:	PREDICTMGT <predictmgt@usaid.gov>;Jonna Mazet <Jkmazet@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>
Sent:	9/11/2019 7:17:45 AM
Subject:	Re: PREDICT International Travel Request

Approved

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Sep 11, 2019, at 1:47 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Please find below an international travel request for your review and approval. Please let me know if you have any questions. Thanks!

1. Commey, Dogbey (USA): $1900 airfare each/$198 max daily per diem

Travel Request –

1. UC Davis would like to request approval for Abraham Commey and Judith (Otilia) Dogbey to travel from Accra, Ghana to Davis, California, USA from October 19-27, 2019 for training with the PREDICT UC Davis lab team.

Trip purpose: Abraham Commey and Otilia Dogbey are laboratory personnel in the Accra Veterinary Lab of the Veterinary Services Directorate, Ministry of Food and Agriculture. Abraham and Otilia will be traveling to Davis to participate in a PREDICT virus detection protocol training in the PREDICT laboratory under the direction of Dr. Tracey Goldstein. The Veterinary Services Directorate is incorporating the PREDICT viral family PCR protocols into their diagnostic platforms in Ghana and this training will assist with strengthening that capacity.

--
Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--
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To view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAD6-xMLEe16UTmYgB0Ef_mU2MuRkco5WBtZf_zbFKwhV0AJGYQ%40mail.gmail.com.

From:	Andrew Clements <aclements@usaid.gov>
To:	Katherine Leasure <kaleasure@ucdavis.edu>
CC:	PREDICTMGT <predictmgt@usaid.gov>;Predict inbox <predict@ucdavis.edu>;Jonna Mazet <Jkmazet@ucdavis.edu>
Sent:	11/23/2019 10:58:46 AM
Subject:	Re: PREDICT International Travel Request

Approved

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Nov 23, 2019, at 12:19 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Please find below an international travel request for your review and approval. Please let me know if you have any questions. Thanks!

1. O'Rourke, O'Rourke (USA): $579 airfare each/$196 (Davis) max daily per diem

Travel Request –

1. Metabiota would like to request travel approval for Tammie O'Rourke and Daniel O'Rourke to travel from Nanaimo, British Columbia, Canada to Davis, California USA from January 21 – 25, 2020 to meet with the UC Davis global team.

Trip purpose: Meet with the UC Davis global team to discuss the PREDICT EIDITH data cleaning progress and plans to prepare the data for a public dataset.

--
Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--
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To view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAD6-xMKaxzvF4AR6N2ufwOeKftYjcN5XPx817P22WGraRZsYEA%40mail.gmail.com.

From: Andrew Clements <aclements@usaid.gov>
To: Katherine Leasure <kaleasure@ucdavis.edu>
CC: PREDICTMGT <predictmgt@usaid.gov>;Predict inbox <predict@ucdavis.edu>;Jonna Mazet <Jkmazet@ucdavis.edu>
Sent: 2/10/2020 6:39:44 PM
Subject: Re: Time Sensitive: PREDICT International Travel Request - Tomori

Approved

Andrew P. Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
Mobile phone: 1-571-345-4253
Email: aclements@usaid.gov

On Feb 10, 2020, at 6:58 PM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Please find below an international travel request for your review. My apologies for the late submission; I was only notified of this ITA today. Please let me know if you have any questions. Thank you.

1. Tomori (USA): $1500 airfare/$260 (Washington, DC) max daily per diem

Travel Request -

1. UC Davis would like to request travel approval for Oyewale Tomori to travel from Lagos, Nigeria to Washington, DC, USA from February 11-15, 2020 for GVP meetings.

Trip purpose: Travel to Washington, DC for meetings with partners and Global Virome Project collaborators.

--
Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--
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