

From: Yung-Ting Bonnenfant <ybonnenfant@usaid.gov>
To: Andrew Clements <aclements@usaid.gov>
CC: Katherine Leasure <kaleasure@ucdavis.edu>; PREDICTMGT <predictmgt@usaid.gov>; Predict inbox <predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Jack Mortenson <jmortenson@usaid.gov>
Sent: 2/12/2018 12:41:29 AM
Subject: Re: PREDICT International Travel Request - W. Smith to Ethiopia 2/16

We concur. Thanks.

Yung-Ting Bonnenfant, PhD, MPH
Global Health Security Technical Advisor
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On Mon, Feb 12, 2018 at 11:37 AM, Andrew Clements <aclements@usaid.gov> wrote:
AOR approved subject to Mission concurrence.

To expedite, I'm sharing directly with Yung-Ting for her concurrence.

Andrew

On Sat, Feb 10, 2018 at 2:29 AM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Please find below a travel request for Dr. Woutrina Smith; our apologies for the short notice of this ITA. Dr. Smith just received a request from the Mission of Livestock and Fisheries to travel to Ethiopia for her Livestock Systems Innovation Lab REACH project. For efficiency, she will be taking this opportunity to engage in meetings for PREDICT human and wildlife surveillance, given that a family emergency prevented her from traveling in January. Please let me know if you have any questions. Thank you!

1. Smith (Ethiopia): \$2,500 airfare/\$400 (Addis Ababa) max daily per diem

Travel Requests –

1. UC Davis would like to request travel approval for Dr. Woutrina Smith to travel from Davis, CA, USA to Addis Ababa, Ethiopia from February 16-24, 2018 for meetings and training with the PREDICT Ethiopia team.

Trip purpose: Dr. Smith is the Predict global Ethiopia and Capacity Team lead who works closely with country coordinators and implementing teams on project planning. Her visit will provide an opportunity to work with project teams on human surveillance planning and implementation, and to coordinate ongoing wildlife surveillance activities. **A portion of the trip will also be to work on USAID Livestock Systems Innovation Lab REACH project activities, so travel costs will split between the two projects.*

Katherine Leasure

HR/Payroll/Financial Assistant

One Health Institute

University of California, Davis

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530-752-3318 FAX

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<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/04a>

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1-571-345-4253

aclements@usaid.gov

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

From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Billy Karesh <karesh@ecohealthalliance.org>
Sent: 2/20/2018 12:04:18 PM
Subject: Re: FW: Ehab with the PREDICT Jordan pickup!

Adorable!

J

On Tue, Feb 20, 2018 at 9:12 AM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

From: William B. Karesh [mailto:karesh@ecohealthalliance.org]
Sent: Tuesday, February 20, 2018 7:35 AM
To: Elizabeth Leasure
Subject: Fwd: Ehab with the PREDICT Jordan pickup!

Look how happy ! And, made in the USA !!

BK



From: William B. Karesh <karesh@ecohealthalliance.org>
To: Jonna Mazet <jkmazet@ucdavis.edu>
Sent: 2/20/2018 2:28:11 PM
Subject: Re: Ehab with the PREDICT Jordan pickup!

I know, isn't it !!

Ian Lipkin was asking me last work what it is I enjoy about work and my first response was "helping people".

I should send him the photo. :)

B.

William B. Karesh, D.V.M
Executive Vice President for Health and Policy

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President, OIE Working Group on Wildlife

Co-chair, IUCN Species Survival Commission - Wildlife Health Specialist Group

EPT Partners Liaison, USAID Emerging Pandemic Threats - PREDICT-2 Program

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 promote conservation and prevent pandemics.

On Feb 20, 2018, at 3:04 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Adorable!

J

On Tue, Feb 20, 2018 at 9:12 AM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

From: William B. Karesh [<mailto:karesh@ecohealthalliance.org>]
Sent: Tuesday, February 20, 2018 7:35 AM
To: Elizabeth Leasure
Subject: Fwd: Ehab with the PREDICT Jordan pickup!

Look how happy ! And, made in the USA !!

From: "Kevin Olival, PhD" <olival@ecohealthalliance.org>
To: "Dr. Jonna Mazet" <jkmazet@ucdavis.edu>, **REDACTED**
Cc: Peter Daszak <daszak@ecohealthalliance.org>
Subject: EID paper in IRAT tool - influenza ranking
Sent: Fri, 23 Feb 2018 15:10:17 +0000

Just spotted the paper, relevant for the PREDICT viral ranking paper...
https://wwwnc.cdc.gov/eid/article/24/3/17-1852_article

Cheers,
Kevin

Kevin J. Olival, PhD
Vice President for Research

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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.

From: Catherine Machalaba <machalaba@ecohealthalliance.org>
To: Corina Grigorescu Monagin <cgmonagin@ucdavis.edu>
Cc: David Wolking <djwolking@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Ava Sullivan <sullivan@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Molly Turner <turner@ecohealthalliance.org>, "predict@ucdavis.edu" <predict@ucdavis.edu>
Sent: Tue, 17 Apr 2018 01:04:49 +0000
Subject: [predict] Re: Action required: P2 2018 Semi-annual report - due to HQ April 13, 2018
[OH & EPT M&E SAR 2018 CM.xlsx](#)
[ATT00001.htm](#)

Hi Corina,
Thank you! Please find the report attached — no changes since when we shared with other teams on March 23rd. We heard back from Lab, M&A and Behavioral teams so there shouldn't be any overlap.

Please let us know if you have any questions or would like additional information. Thanks again for the opportunity to showcase our work, and so wonderful seeing you last week!

Kind regards,
Catherine
Catherine Machalaba, MPH
Policy Advisor

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Science Officer, Future Earth oneHEALTH Project

Chair, Veterinary Public Health Special Primary Interest Group, American Public Health Association

Program Officer, IUCN SSC Wildlife Health Specialist Group

Produced in Native Format

From: "William B. Karesh" <karesh@ecohealthalliance.org>
To: John MacKenzie <ijmac65@ozemail.com.au>, "JMHUGHE@emory.edu" <jmhughe@emory.edu>, Lonnie King <king.1518@osu.edu>, Ron Waldman <ronwaldman@email.gwu.edu>, Subhash Morzaria **REDACTED**
Cc: Amanda Andre <amanda.andre@ecohealthalliance.org>, Predict inbox <predict@ucdavis.edu>
Sent: Thu, 19 Apr 2018 17:03:16 +0000
Subject: [predict] PREDICT Ext. Advisors - report from semi-annual mtg
[PREDICT.2018 Advisors comments.docx](#)
[ATT00001.htm](#)

Greetings all,

We had a productive semi-annual meeting in California this month with Jim and Lonnie participating. It was a smaller meeting than the one in Brussels and covered much of the same material, though we did not have our country-level project folks in attendance.

Lonnie and Jim provided very concise notes on their observations and made some recommendations. I'm attaching them here for your review and I will also be sharing it with the PREDICT-2 leadership team for discussion.

All the Best,

Billy

Advisor's Comments for the PREDICT – 2 (P-2) Semi-Annual Consortium Meeting

Napa. CA

April 10 – 11, 2018

Drs. Lonnie King and Jim Hughes

It has been a pleasure staying engaged with the P-2 project and interacting with its many talented and committed participants. As advisors, the first task is always to evaluate if the project is meeting its original goals and outcomes. This project is not only meeting its goals, it continues to outperform expectations and is making exceptional progress in important areas, many beyond its initial scope.

As advisors, we would like to share some of our key findings and impressions based on attending the Semi-Annual Consortium Meeting in April 2018. The following items stood out to us and deserve special attention and acknowledgement:

- The project has enjoyed and has benefitted from exceptional leadership which has been a key success factor for the project
- Training and involvement of approximately 4,200 individuals is a special achievement that helped produce high quality results but will also have a long-term benefit of real significance
- The project has been aware of the need for effective evaluation and assessment and is adopting and implementing effective tools to complete this critical task
- Capacity building across the many P-2 countries has been very impressive and will be an important legacy of the project
- One Health has been a continuous focus and driver; it has been effectively embedded into the efforts, has been fundamental to the P-2 mission, and has continued to change mindsets and direct activities along the entire project map
- The emphasis on One Health has also resulted in the project's commitment to integrate human, animal and environmental data; this has helped distinguish the project from earlier work
- Organizational systems, platforms and implementation strategies have been continuously improved and have been focused on answering key questions and have effectively linked back to and supported project goals
- Behavior data and its synthesis is progressing nicely and has broad utility; it will be important to prioritize the completion of this work including some metrics of impactful interventions
- There has been opportunistic engagement and further learning and discovery working on Ebola and SADS.
- Linking the project with the JEE has added value
- Exploration of prevention intervention strategies and their proof of concept will help to convert data into meaningful and well defined actions
- Incorporation of FAO into key parts of the project has been a turn around and quite helpful – L/S 2050 has been a good example of cross-sectional collaboration and could have lasting benefits

- P-2 has made excellent progress in working with multiple government officials; this has had a positive short-term impact, but perhaps more importantly will greatly benefit them in the long-term
- The Spillover Ranking using a “credit report” analogy was innovative and could simplify results for the public, help increase their awareness, and stimulate behavioral changes.
- The continuation of the deep forest work had been very fruitful and revealing; the continued effort with this sector of the project has given the group a longitudinal frame to view data and events with an emphasis on understanding the dynamics and diversity of hosts and viral families within changing landscapes. This has been well done and valuable.

In addition, and after further reflection on discussions and presentations, we would like to offer a few insights and views for consideration. These are offered, not as critiques, but rather as opportunities to strengthen pieces of this truly outstanding and unique global project.

- As the project enters its final stage (18 months), it would be useful to make realistic decisions about what must be completed, what would be nice to finish, and what just can’t be completed because it can’t be done well within the existing time frame. This suggests creating a new priority list and developing an explicit map from the present to the end of the project; such a map should have very specific goals and targets, activities to be completed, responsibilities and timelines. The 18-month plan should be openly shared with the entire team.
- There is some concern that perhaps there is an unrealistic push to continue to add new activities even though the project is moving quickly to its conclusion. While this is a good sign and quite admirable that the team still has a strong commitment and passion about its work, it might lead to a frantic project ending rather than a “smooth landing”. It is also telling that participants have adopted a culture of going beyond expectations and want to ensure ROI; however, there is a point of diminishing returns.
- A final report was discussed, and it is not too early to begin drafting parts of the report now, even though many analyses need to be completed.
- It is common knowledge that the project’s endpoint is in view; thus, communications, especially within the team, will have special importance. Frequent and honest communications are essential as personnel plan for post-project activities. It might be appreciated if the project commits to helping P-2 participants by creating 1-page personalized (SKA’s – skills, knowledge, abilities) summaries for key workers, especially those from participating countries. These could serve as “mini-resumes” and list competencies accrued, experiences gained, accomplishments completed, etc.; this could be useful for folks as they search for future positions and prepare for other work and plans for succession planning.
- The project could do more to emphasize an economic-case or benefit. It has been noted that Finance Ministers and other funders/investors need to understand P-2 and the implications of the studies and results. The recent World Bank Report on One Health is timely and offers a good structure to build upon. As the GHSA has become more of a concentration, there is obviously new interest in improved health, security and economics that will lead to healthier and more stable countries; thus, a better framing of the economic benefits of the project and One Health would be useful. A missing piece in the acceptance of One Health has been minimal proof of its value

proposition; i.e. why the One Health platform and interventions are more advantageous with a greater ROI than maintaining the status quo. With reports of over a billion cases and 1 million deaths/year due to zoonoses and expected global losses on an average of \$60 billion/year per pandemic, making the case for more prevention, preparation and response funding would make the project more relevant and align with the GHSA.

- More work and data collection in serology and surveillance is adding real value; technological advances like the creation of new chip peptide technology could accelerate more rapid discovery and knowledge acquisition. Such work would add to spillover identification, earlier detection, and the exploration of new viral families and potential threats. The same can be said for modeling; however, care needs to be taken with results and presentation of data and interpretation.
- Follow up activities and further sampling in post-Ebola West Africa countries is a very attractive goal and could be very helpful to advance our understanding of that pandemic. Exploring the roles of various ecological zones and perhaps finding key maintenance and host mechanisms would be especially useful. We encourage the continuation and completion of this phase of the project.
- The group discussion about consideration of final disposition of data and biologic samples upon the completion of the project was timely and obviously important; there could be very public decisions that might also be potentially controversial. This is a complex topic with ethical, legal, safety, scientific and value components. We applaud the groups thinking about this, and it will require a careful and thoughtful process based on the importance of this discussion. We suggest that you (with USAID support) might consider a blue-ribbon panel of experts or a National Academy of Sciences workshop to ensure that options are explored and evaluated. Ref. "Meeting Critical Laboratory Needs for Animal Agriculture: Examination of Three Options" published by NAS Press in 2012.
- Behavioral risk surveillance and analysis is an important feature of the study. However, populations seem to vary considerably across countries based on differing beliefs, cultures, biases, experiences, and histories; thus, populations are not monolithic and may prevent the usefulness of a generic conclusion. However, there is still much value to be gained within individual countries and comparing interventions across countries. There also seems to be much interest in implementing educational interventions to modify behavior; however, there are number of studies suggesting that education may be one of the least effective interventional strategies. Helping to clarify the effectiveness of this option would be a very helpful outcome.
- The concept of risk characterization is of special interest and has some possibly fertile applications. There is an immediate need to decide on the added value of this work. It appears that much more might be gleaned from mining existing data and, perhaps from some limited additional data collection. In addition to defining risk factors, defining protective factors could have even more public value. The data might have some limitations due confounding factors such as contaminated food and water; yet, we encourage the team to consider using the next 3-4

months to enhance the data collection and perhaps focus on a small subset with an in depth analysis that could make this work more valuable and useful.

- The advisors were very pleased to see that the group has included some interesting antimicrobial resistance (AMR) data with potential systematic reviews of AMR events and emergent data. While the project didn't include this goal, the new momentum and interest in AMR along with the ability of P-2 to include this data adds further value to the project and its future. It also points out that there are likely significant and scientifically relevant spin-offs that could originate from the project including future AMR work. Giving some thought to future R & D activities based on the rich data and results generated from P-2 could be included in the final report and would be a beneficial endeavor.
- It may not be feasible at this stage of the project but including a leadership training module would be helpful for participants and add another dimension and competency to make them more effective and marketable. There are numerous leadership modules already available, so it would not be an expensive investment or strain on the team. After P-2 is completed, the leaders in communities, laboratories, etc. will be key to maintaining activities in the future so leadership development is certainly a pertinent need. In addition, implementing One Health strategies necessitates working and leading across disciplines, sectors, and agencies and leadership is an essential skill to enable this cooperation to be successful.
- There were good discussions about telling the PREDICT story and communication strategies. Most P-2 participants can explain what they do and often how they do it; it is also important to emphasize why they do it. ("Start With Why" – Simon Sinek). When telling the story and issuing the final report, it will be essential to emphasize why P-2 was undertaken and the real value of the effort – to improve the lives of people and animals and prevent costly and deadly pandemics. We like the idea of using vignettes and highlighting the human faces of PREDICT. The findings from P-2 are impressive, but the impact must be even more so. Another consideration may be to use the Land Grant mission or "Global Grant" evaluation frame – the focus is on understanding key problems in communities through engagement, conducting relevant R & D to find answers to the problems, and then returning information to communities and constituents to improve their lives and well-being (outreach). Education and training are also needed to add to the capacity and ensure future assets.
- PREDICT-2 is an extraordinary project and needs an extraordinary finish – special communications, celebrations, appreciations and a launch pad for the next extraordinary and globally impactful endeavor will demand special attention and planning

We wish to thank the PREDICT-2 team for the opportunity to attend and participate in the Semi-Annual Consortium Meeting and hope that our comments prove useful and that they are received in the spirit in which they are intended – with our admiration of the of the project and its team and our sincere commitment to strengthen the project and add value to the work.

From: Andrew Clements <aclements@usaid.gov>
To: predict@ucdavis.edu <predict@ucdavis.edu>
CC: predictmgt@usaid.gov <predictmgt@usaid.gov>; Lisa Kramer (Nairobi/EA/RHH) <lkramer@usaid.gov>
Sent: 4/23/2018 8:41:32 AM
Subject: [predict] Additional info in Kenya MOH suspension

FYI

1. The suspension is still in place as of now and there is no information on when it will be removed.
2. IP's obtaining information from national MoH is also suspended.

*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*

Sent: Fri, 27 Apr 2018 15:07:49 +0000
Subject: Re: Adding members to the GVP steering committee meeting in June
From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Brooke Watson <watson@ecohealthalliance.org>
Cc: Cara Chrisman <cchrisman@usaid.gov>, Dennis Carroll <dcarroll@usaid.gov>, Eddy Rubin <erubin@metabiota.com>, **REDACTED** Nathan Wolfe <nwolfe@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>

Good adds from my perspective!
Jonna

On Thu, Apr 26, 2018 at 2:41 PM Brooke Watson <watson@ecohealthalliance.org> wrote:

Hi team,
Today on the call, we discussed the possibility of opening up the transitional steering committee to other members who have been involved in the GVP. Dennis suggested inviting David Nabarro and Peter Bogner to the June 11 meeting in DC (which is on!).

Does anyone oppose these suggestions, or have additional people they would like to add?

I'll plan to email David Nabarro and Peter Bogner early next week if everyone agrees.

As a reminder, the current transitional steering committee members and invitees to the June 11 meeting are:

Prasert Auewarakul
Ariel Pablos-Mendez
Ian Lipkin
Carlos Morel
Subhash Morzaria
Oyewale Tomori
Maria Van Kerkhove
Prasert Auewarakul
Keiji Fukuda
George Gao
Ilaria Capua
Emily Erbelding (taking Mike Kurilla's place)
Kathleen Victoir
Gian Luca Burci
+ everyone on this email.

Many thanks,

Brooke

--

Brooke Watson, MSc
Research Scientist

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[New York, NY 10001](#)

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*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 promote conservation and prevent pandemics.*

From: Andrew Clements <aclements@usaid.gov>
Sent: Sat, 28 Apr 2018 03:28:13 -0400
Subject: Re: Request for estimated core pipeline and monthly expenditure rates for Predict through Sep 30, 2018
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Cc: Amalhin Shek <ashek@usaid.gov>, David John Wolking <djwolking@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, PREDICTMGT <predictmgt@usaid.gov>, "predict@ucdavis.edu" <predict@ucdavis.edu>

Thanks, Liz.

*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 28, 2018, at 1:37 AM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. Please find below the estimated pipelines and burn rates you requested. My apologies for the delay, and thank you for being so patient. As you can see, we are anticipating that we will have approximately \$5.8M in Core and \$7.1M in Ebola funds in hand as of October 1st. The Ebola funding we received that was originally earmarked for Years 2-4 only is being stretched through Year 5 per previous guidance. Based on our estimates, we will have spent 75% of the Ebola funds obligated to date as of August 2018. If you have any further questions or need any additional information, please let me know. Thanks! Have a great weekend!

Projected spending FY2017-18:

April	2,573,741
May	3,451,282
June	3,593,002
July	3,573,524
August	3,729,758
September	3,869,051

Oct 1 Core Pipeline	5,788,332
Oct 1 Ebola Pipeline	7,137,289

Core pending obligation (Y5)	15,100,000
Ebola pending obligation	3,000,000
Total 2018-19 budget (Core)	20,888,332
Total 2018-19 budget (Ebola)	10,137,289
	31,025,621

Projected spending FY2018-19:

Oct-18	3,619,656
Nov-18	3,619,656
Dec-18	3,619,656
Jan-19	3,619,656
Feb-19	3,619,656
Mar-19	3,619,656
Apr-19	1,551,281
May-19	1,551,281
Jun-19	1,551,281
Jul-19	1,551,281
Aug-19	1,551,281
Sep-19	1,551,281

31,025,621

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

From: Andrew Clements [<mailto:aclements@usaid.gov>]

Sent: Thursday, April 19, 2018 11:41 PM

To: Elizabeth Leasure

Cc: Amalhin Shek; David John Wolking; Jonna Mazet; PREDICTMGT; predict@ucdavis.edu

Subject: Re: Request for estimated core pipeline and monthly expenditure rates for Predict through Sep 30, 2018

Hi Liz,

A small addition to this request. While we are focused on pipeline at the end of Sep 2018, it would be also helpful to know if you expect the core (and Ebola) monthly expenditure rate to continue to change after that date as field activities wind down and attention shifts more to testing which may increase spending. So if Oct 18-Mar 19 is going to be testing-intensive, what is the projected monthly expenditure rate for that time period? Any guess as to what the monthly expenditure rate might be for Apr 19-Sep19 when the focus is on analysis, reporting, wrap-up? Looking back on spending during the final 6 months of Predict-1 might be informative.

Thanks!

Andrew

On Thu, Apr 19, 2018 at 8:30 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Amalhin. I'm sorry, but with Jonna on vacation and me out tomorrow though Tuesday on vacation, we're not going

to be able to get this to you by noon tomorrow. The earliest we can get this to you is Wednesday. I hope that's okay.

Thanks,
Liz

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

From: Amalhin Shek [mailto:ashek@usaid.gov]

Sent: Thursday, April 19, 2018 11:25 AM

To: Andrew Clements

Cc: David John Wolking; Jonna Mazet; Elizabeth Leasure; PREDICTMGT; predict@ucdavis.edu

Subject: Re: Request for estimated core pipeline and monthly expenditure rates for Predict through Sep 30, 2018

If possible it'd be great to have this before Noon EST tomorrow!

Thanks in advance,

Amalhin Shek | Budget & Communications
[Emerging Threats Division](#), Office of Infectious Disease
USAID/Washington, Bureau for Global Health
Phone: 571-551-7102(o) **REDACTED** (c) | CP3 8092
[Subscribe to our Newsletter!](#)

USAID-HECFAA, VP of Community Engagement

On Tue, Apr 17, 2018 at 2:17 AM, Andrew Clements <aclements@usaid.gov> wrote:
Ok. 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 Apr 16, 2018, at 10:27 PM, David J Wolking <djwolking@ucdavis.edu> wrote:

Hi Andrew,

Jonna is on vacation so let us circle the wagons first before we get back to you on this one.

Cheers,

David

On Mon, Apr 16, 2018 at 12:44 PM, Andrew Clements <aclements@usaid.gov> wrote:
Hi Jonna, Liz, and David,

We are having Office and Bureau reviews of the ETD portfolio in a few weeks and project pipelines are always a topic of discussion. In this case, the focus will be on our core budget.

As you did/are doing with the Ebola budget, can you provide an estimate of your planned

cumulative core expenditures through September 2018 along with the estimated monthly expenditure rate you are using for the period between now and then as well as the estimated pipeline remaining as of September 30, 2018. If there has been any significant change in the monthly expenditure rate from April 2018 to September 2018 compared to the previous six months (or year), please describe the reason for that change so that we can make sure our managers fully understand the numbers we provide.

Would it be possible to provide this information by the end of the week (or sooner if it's not too complicated)?

Please let me know if you have any questions.

Thanks.

Andrew

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

From: Jonna Mazet <jkmazet@ucdavis.edu>
To: William B. Karesh <karesh@ecohealthalliance.org>
Sent: 5/1/2018 3:30:37 PM
Subject: Re: Semi-annual meeting notes from advisors

Hi again,

Could I have the original email from the advisors, as I'd like to thank them for sending?

J

On Thu, Apr 19, 2018 at 10:10 AM, William B. Karesh <karesh@ecohealthalliance.org> wrote:

Hi Everyone,

Attached are the notes from Jim and Lonnie following the semi-annual meeting this month.

I've also shared them with Ron, Subhash and John to keep them in the loop with Lonnie and Jim.

I propose we share these with the wider EB group and discuss on a call prior to sharing them with USAID.

From: Andrew Clements <aclements@usaid.gov>
Sent: Wed, 9 May 2018 10:36:28 -0700
Subject: Re: PREDICT International Travel Requests
To: Katherine Leasure <kaleasure@ucdavis.edu>
Cc: PREDICTMGT <predictmgt@usaid.gov>, predict@ucdavis.edu, "Prof. Jonna Mazet" <jkmazet@ucdavis.edu>

Canada and UK travel approved.
Ethiopia 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 May 9, 2018, at 6:52 PM, 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. Smith (Ethiopia): \$2500 airfare/\$400 (Addis Ababa) max daily per diem
2. Goldstein (Canada): \$1200 airfare/\$278 (Saskatoon) max daily per diem
3. Rubin (Canada): \$519 airfare/\$278 (Saskatoon) max daily per diem
4. Euren (Canada): \$400 airfare/\$239 (Nanaimo) max daily per diem
5. Fine (United Kingdom): \$1350 airfare/\$398 (Manchester) max daily per diem

Travel Requests –

1. UC Davis would like to request travel approval for Dr. Woutrina Smith to travel from Edinburgh, United Kingdom to Addis Ababa, Ethiopia from May 30-June 2, 2018 for meetings and training with the PREDICT Ethiopia team. From Addis Ababa, Ethiopia she will return to Davis, California, USA. **Dr. Smith's travel to Edinburgh is being covered on non-PREDICT funds.*

Trip purpose: Dr. Smith is the Predict global Ethiopia and Capacity Team lead who works closely with country coordinators and implementing teams on project planning. Her visit will provide an opportunity to work with project teams on human surveillance planning and implementation, and to coordinate ongoing wildlife surveillance activities. **A portion of the trip will also be to work on USAID Livestock Systems Innovation Lab REACH project activities, so travel costs will split between the two projects.*

2. UC Davis would like to request travel approval for Dr. Tracey Goldstein to travel from Davis, CA, USA to Saskatoon, Saskatchewan, Canada from June 21-25, 2017 to present at the International One Health Congress.

Trip purpose: Dr. Goldstein will attend and present PREDICT data at the International One Health Congress. The presentation title is not available at this time, as the data to be presented is currently pending approval for release. Pending confirmation of the conference schedule, Dr. Goldstein may also speak on a panel.

3. Metabiota would like to request travel approval for Dr. Jason Euren, Research and Implementation Manager, to travel from Saskatoon, Saskatchewan, Canada to Nanaimo, British Columbia, Canada from June 25 – June 28, 2018 to attend meetings with the Metabiota PREDICT team. From Nanaimo, British Columbia, Canada, he will return to San Francisco, California, USA. **Dr. Euren's travel to Saskatoon for the International One Health Congress is being covered on non-PREDICT funds.*

Trip purpose: To meet with the PREDICT management team, as well as the Country Coordinators from each of Metabiota's PREDICT countries, to discuss the work plan, budget and communication plan for the final year of the PREDICT-2 program.

4. Metabiota would like to request travel approval for Dr. Eddy Rubin, Principal Investigator for Metabiota

PREDICT, to travel from San Francisco, California, USA to Saskatoon, Saskatchewan, Canada from June 20-25, 2018 to attend the International One Health Congress.

Trip purpose: Dr. Rubin will attend the International One Health Congress, as well as meetings related to the Global Virome Project.

5. Wildlife Conservation Society would like to request travel approval for Amanda Fine to travel from Hanoi, Viet Nam to Manchester, United Kingdom from June 27 to July 19, 2018 for Home Leave.

Trip purpose: Amanda Fine will travel to the United Kingdom for Home Leave from June 27 to July 19. **Meals (2 travel days) and airport transfers will be based on actual costs; estimated at \$40/day x 2 for meals, \$50/day x 2 for airport transfers = \$180.*

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.

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<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/01f001d3e7b6%241792b0f0%2446b812d0%24%40ucdavis.edu>.

From: William B. Karesh <karesh@ecohealthalliance.org>
To: Karen Saylor <ksaylors@metabiota.com>
CC: Jonna Mazet <jkmazet@ucdavis.edu>; PREDICT-oubreak <predict-oubreak@ucdavis.edu>; Brian Bird <bhbird@ucdavis.edu>
Sent: 5/15/2018 8:34:02 AM
Subject: Re: [predict-outbreak] Demande officielle du gouvernement

Very pretty report.

I know this will sound pie in the sky, but wouldn't it would be great if someday we could move the bar a bit higher. There's still no clear component is dedicated to wildlife and domestic fauna monitoring during the outbreak, especially in a bushmeat harvesting area linked to ROC and bat eating populations

Acting on the consequences is important but looking for the causes would be great to see coming from DRC. We can still dream can't we? ;)

BK

William B. Karesh, D.V.M
Executive Vice President for Health and Policy

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President, OIE Working Group on Wildlife

Co-chair, IUCN Species Survival Commission - Wildlife Health Specialist Group

EPT Partners Liaison, USAID Emerging Pandemic Threats - PREDICT-2 Program

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 promote conservation and prevent pandemics.

On May 15, 2018, at 7:13 AM, Karen Saylor <ksaylors@metabiota.com> wrote:

for your situational awareness...

thanks,
Karen

Karen Saylor, Ph.D.
Vice President, Field Research, Metabiota
Director, Scientific Operations, PREDICT-Metabiota
Deputy, PREDICT Behavioral Surveillance
Tel: 310 994 5770

On Tue, May 15, 2018 at 1:18 AM, Andrew Clements <aclements@usaid.gov> wrote:
Thanks!

On Tue, May 15, 2018 at 10:04 AM, Karen Saylor <ksaylors@metabiota.com> wrote:
thank you Andrew. I'll let Prof Muyembe know right away.
best,
Karen

On Tue, May 15, 2018 at 12:59 AM, Andrew Clements <aclements@usaid.gov> wrote:
Approved.

On Mon, May 14, 2018 at 9:11 PM, Karen Saylor <ksaylors@metabiota.com> wrote:
Good afternoon.

Please find attached the letter received this weekend from INRB/MOH requesting PREDICT support, which I have translated here, along with the detailed list of supply needs. The items highlighted in yellow have already been sent (Smartcycler and computer were sent with the mobile unit (and will be returned to PREDICT after the outbreak), along with 150 PPE and 2 glove boxes.)
Please let me know if you approve and we will respond to the INRB team.

Many thanks,
Karen

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

From: **Charles Kumakamba** <ckumakamba@metabiota.com>
Date: 2018-05-13 14:01 GMT-07:00
Subject: Demande officielle du gouvernement
To: Karen Saylor <ksaylors@metabiota.com>

Chère Karen,

Voici en pièces jointes la lettre de demande de soutien à la riposte à l'épidémie et la liste de besoins .

Sur la liste de besoins, les articles en jaune ont été donnés en urgence. Le Smartcycler et l'ordinateur seront restitués à Predict project une fois le labo mobile de retour à Kinshasa.

aclements@usaid.gov

<http://www.usaid.gov/ept2>

UCDUSR0007523

aclements@usaid.gov

<http://www.usaid.gov/ept2>

From: Brian Bird <bhbird@ucdavis.edu>
To: Jonna Mazet <jkmazet@ucdavis.edu>; PREDICTMGT
<predictmgt@usaid.gov>; isimmons@usaid.gov
<isimmons@usaid.gov>; bhaberer@usaid.gov <bhaberer@usaid.gov>; Jean-Felly Numbi
<jnumbi@usaid.gov>
CC: PREDICT-outbreak <predict-outbreak@ucdavis.edu>; Karen Saylors
<ksaylors@metabiota.com>
Sent: 5/21/2018 3:37:15 PM
Subject: UPDATE PREDICT DRC EVD outbreak 20 and 21 May 2018

Hi everyone,

Some updates from the team from yesterday and today. In brief, the PREDICT laboratory has completed the first batch of preliminary testing. Final results are pending sequence confirmation.

More details in the report,

Yours,

-Brian

Brian H. Bird DVM, MSPH, PhD
Global Lead Sierra Leone and
Multi-Country Ebola operations
PREDICT-USAID

One Health Institute
1089 Veterinary Medicine Dr.
School of Veterinary Medicine
University of California, Davis
Email: bhbird@ucdavis.edu
Skype: brianhbird1
<http://www.vetmed.ucdavis.edu/ohi/predict/index.cfm>

PREDICT Outbreak or Health Event Rapid Report

Today's Date: May 21, 2018

Working Title of Investigation: Ebola virus disease outbreak in Bikoro Health Zone of Equateur province, DR Congo.

Cumulative day of the outbreak investigation: 16 days

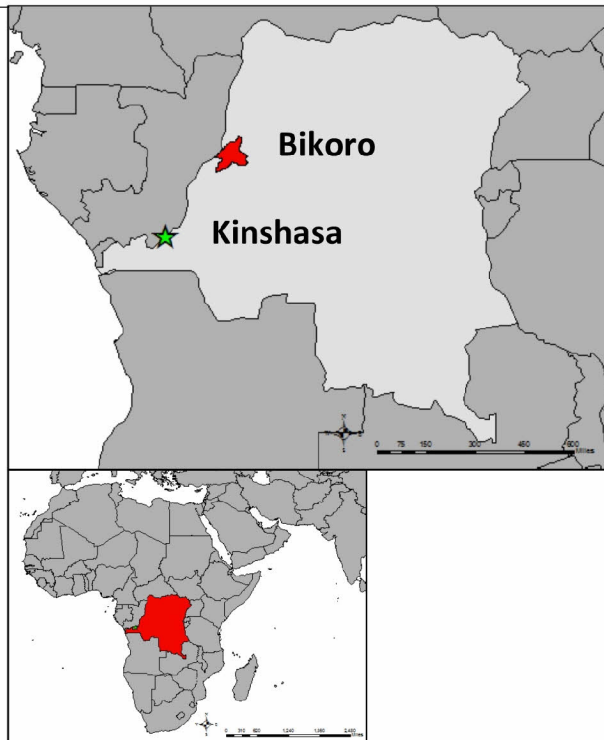
Please describe the disease signs and symptoms and species affected (humans, domesticated animals, wildlife):

Between April 3 and May 7, 2018, 17 successive deaths were recorded in the health district of Ikono Imponge, in the health zone of Bikoro (Equateur Province). Seventeen individuals were linked through family relationships. Patients presented with the following symptoms prior to their death: fever, diarrhea, abdominal pain, vomiting, muscle and joint pain, and hemorrhagic symptoms.

On May 4, an alert for suspected Viral Hemorrhagic Fever in the Bikoro health zone was received at the MOH Office of Disease Control.

On May 8, two out of five individuals tested were confirmed as Ebola virus (species, *Zaire ebolavirus*) by RT-PCR at INRB.

As of May 12, additional possible EVD cases continue to be identified in the affected area.



<u>Location</u>	
Country:	Democratic Republic of the Congo
District:	Equateur
Village/Town:	IKONO IMPONGE / Health zone of BIKORO
GPS Coordinates (if known):	Latitude : -0.749997 ; Longitude : 18.1166662
Date that first case(s) of illness occurred (if known or estimate):	April 03, 2018
Date that PREDICT was first notified of outbreak:	May 07, 2018

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Key Information	Description of Findings/Actions/Outcomes				
How many affected individuals?		Suspected	Confirmed	Deaths	Total affected
	Humans	2	28	27	51
	Domestic Animals	0	0	0	0
	Wild Animals	0	0	0	0
How was outbreak first noticed?	Ikono Imponge health district notified the Bikoro Health Zone of 1 death with viral hemorrhagic fever-like symptoms.				
Where was the first reported case? What is/was the extent of geographic spread? Include comments on the apparent speed of spread.	<ul style="list-style-type: none"> A cluster in week 11 (12-18 March 2018) in Bikoro area, Equateur, DRC, including 19 cases including 17 deaths, 15 deaths of which were in the community, raised the alert of suspected VHF. Symptoms observed include fever, vomiting, abdominal pain, eye redness, and diarrhea, and were not alleviated by antibiotic and antimalarial treatment. The first reported case was at IKONO IMPONGE Health District. Between April 3 and May 7, 2018, 17 deaths were recorded among people with family relationships, from a total of 27 total cases, according to MOH. (According to WHO reports, investigations identified 135 cases retrospectively, going back as far as January 2018 in the Igende zone, 60km from Bikoro, so there is some conflicting information circulating.) The first case in Bikoro was a policeman who arrived from Igende area. He died in a health centre in Ikoko Impenge village, Bikoro area. Following the first case's funeral, 11 family members developed symptoms and 7 died. The deceased all had either attended the funeral or acted as caregivers. Five patients were sampled and tested for EVD, of which two were found positive for EVD by RT-PCR at INRB in Kinshasa on 8 May 2018. 				
Has the country requested support from PREDICT (include date of request)?	The DRC requested unspecified support from PREDICT on May 7, 2018. On Tuesday, May 8, MOH requested that PREDICT conduct additional testing of the 5 samples stored at INRB,				

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	<p>which USAID approved on the same day. The PREDICT lab team received samples and initiated testing on Wednesday, May 9.</p> <p>On May 9, a list of unmet needs was developed at the outbreak response meeting with MOH and partners.</p> <p>Late on May 11, PREDICT received a formal request from the Government through INRB regarding support for outbreak response activities. In response to the list of unmet needs provided by the laboratory commission, PREDICT provided 150 PPE, a Smartcycler PCR machine and accompanying computer, and two gloveboxes.</p> <p>On May 12, INRB requested PPE and sampling kits from PREDICT to send to the outbreak sites. USAID quickly approved this, so Metabiota ordered these with the plan to express them to DRC.</p> <p>On May 16, the MOH (INRB) officially asked PREDICT for a space in a -80 freezer to store Ebola vaccines.</p> <p>The mobile lab in Bikoro is functional (with RT-PCR, rapid tests, and GeneExpert up and running) as is the Mbandaka MOH-INRB lab</p>
If so, which government agency requested PREDICT support?	Ministry of Health through the National Institute of Biomedical Research (INRB)
When was PREDICT response initiated (date)?	Tuesday, May 8, 2018
Are other EPT partners involved in the response (which ones and how)?	No
What type of assistance did PREDICT initially provide? Which PREDICT personnel were involved?	<p>PREDICT is running the PREDICT protocol testing on patient specimens, using PREDICT virus family primers with the intent of finding filoviruses or other viral families, as well as identifying sequences for further elucidation of species and strain. (Previously INRB testing of five patients' whole blood specimens for EVD found two to be positive for Ebola virus (<i>Zaire ebolavirus</i>) by RT-PCR at INRB in Kinshasa on May 7 2018.)</p> <p>On May 12, the K-Plan mobile lab (previously acquired</p>

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	through USAID support) was deployed to the outbreak site in Bikoro and Iboko. The INRB team arrived that Saturday morning in Mbandaka, the capital of Equator Province, for preparation.												
<p>When was the first official acknowledgement of the outbreak (by which government agency or other reputable body and date)?</p> <p>When was a response initiated and by whom? Which agencies were involved? Who was in charge of the national response?</p>	<p>The first official acknowledgement of the outbreak was by the MOH Office of Disease Control on May 6, 2018.</p> <p>A joint investigation team was deployed by MOH, WHO and MSF, and according to MOH, another team from the MOH Office of Disease Control and WHO deployed today to Mbandaka (capital of Equateur province) to lead case investigations.</p> <p>Background on area: Ikoko Impenge health area covers 15km and includes 5 villages, all of which have reported suspected cases. This area of DRC has not suffered previous documented Ebola outbreaks.</p> <p>Ikoko Impenge health area is not covered by mobile telephone networks, but is accessible by road. It lies 128km from Mbandaka, the capital of Equateur province, however the road is under renovation and the current route is 280km. An airstrip is present 8km from Bikoro, which is 30km from Ikoko.</p>												
Was the cause of the outbreak confirmed by a laboratory? If so, give details of the initial confirmation (cause, species, specimen types tested and dates of testing if known).	INRB testing of five patients' whole blood specimens for EVD found two to be positive for Ebola virus (<i>Zaire ebolavirus</i>) by RT-PCR at INRB in Kinshasa on May 7 2018.												
Where was the laboratory testing performed (name of laboratory)?	INRB												
Number of days between initiation of government response and lab confirmation of laboratory results.	1 day												
Summary of the Outbreak or Event:	To be filled after active outbreak or event activity has ceased												
Working name of the outbreak:													
Total number of cases:	<table border="1"> <tr> <th></th><th>Suspected:</th><th>Confirmed:</th><th>Deaths:</th></tr> <tr> <td>Humans</td><td></td><td></td><td></td></tr> <tr> <td>Domestic Animals</td><td></td><td></td><td></td></tr> </table>		Suspected:	Confirmed:	Deaths:	Humans				Domestic Animals			
	Suspected:	Confirmed:	Deaths:										
Humans													
Domestic Animals													

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	Wild Animals			
Summary of PREDICT Team response activities during the outbreak.				

PREDICT Outbreak or Health Event Response Daily Activities/Timeline

Working Title of Investigation: Ebola virus outbreak DRC Equateur April-May 2018

Key Events:

Date	Day #	Notification or Action Taken
April 3, 2018	-34	First suspect case in family cluster
May 6, 2018	1	Head Office of Disease Control officially acknowledges the outbreak.
May 7, 2018	2	<p>The government, through the INRB, verbally requests PREDICT support. Specific details of request pending.</p> <p>Confirmation of Ebola virus by RT-PCR at the INRB laboratory. Of five samples tested, two were positive for <i>Zaire ebolavirus</i>.</p>
May 8, 2018	3	<p>MOH verbally requests for PREDICT to conduct PREDICT protocol testing of samples at INRB. Written approval from USAID AOR communicated to PREDICT DRC team. Samples transferred to PREDICT lab.</p> <p>Official Statement of the Ebola Virus Epidemic released by the Congolese Government (Ministry of Health). Developed road map and response plan.</p> <p>An investigative mission led by the director of the Office of Disease Control (DGLM) planned for Wednesday May 9, 2018 in the province of Equateur.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New cases registered: 4 (in the health center) • On five previous cases monitored, three were released. There are two active cases in the General Hospital. • Total of active and monitored cases: 6 (among which 4 are suspected cases). • Laboratory confirmed cases : 2 • Deaths : 17 • Total notified cases: 23

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May 9, 2018	4	<p>PREDICT lab analysis of clinical specimens following PREDICT virus-family level protocols is in progress. PREDICT Country Coordinator met with MOH and partners on response plan and development of list of unmet needs.</p> <p>An investigative mission led by Office of Disease Control (DGLM) was deployed today May 9 to the province of Equateur.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New cases registered: 4 • Total of active and monitored cases: 10 (among which 8 are suspected cases). • Confirmed cases : 2 • Deaths: 17 • Total cases under investigation: 27
May 10, 2018	5	<p>Four new suspected cases and one death were reported in the health zone of Iboko, near the Bikoro health zone. The deceased case was a health professional who had symptoms suggestive of Ebola virus disease.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 18 cases • Suspected cases: 12 cases • Confirmed cases: 2 cases • Total notified cases: 32 cases (in Bikoro and Iboko) <p>Identified actions:</p> <ul style="list-style-type: none"> • Identification of positive cases • Contact tracing • Active monitoring • Sensitization seminars of all the Chief Medical officers in the health zones of Equator Province.
May 11, 2018	6	<p>Late on May 11, the PREDICT DRC team received a formal request from the Government, through INRB regarding support for response activities.</p> <p>In response to the list of unmet needs provided by the laboratory commission, PREDICT provided 150 PPE, a Smartcycler and accompanying computer, and two gloveboxes.</p> <p>The K-Plan mobile lab (previously acquired through USAID support) will be deployed to the outbreak site in Bikoro and Iboko tomorrow (May 12, 2018).</p>

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		<p>There is a significant and urgent need for sampling kits on sites of the outbreak.</p> <p>According to the WHO, all conditions are met for the vaccine to arrive in Kinshasa next week (week of May 14 to 20, 2018).</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 2 (one in Iboko and the other in Bikoro) • There are three community alert cases in Mbandaka of new reports of ill individuals in the community requiring follow-up. • Deaths : 18 • Suspected cases: 14 (9 in Bikoro, 5 in Iboko) • Confirmed cases: 2 • Total notified cases: 34 (in Bikoro and Iboko)
May 12, 2018	7	<p>In preparation for this deployment, the INRB Team arrived in Mbandaka, the capital of Equator Province.</p> <p>The Minister of Health and Ministry of Health officials arrived this morning to the sites of the epidemic. The INRB Team is in Bikoro. The K-Plan mobile lab was shipped this morning to Bikoro via Mbandaka.</p> <p>The Director General of the WHO arrives tonight in Kinshasa.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 2 (in Wangata, one of three health zones of Mbandaka) • After re-evaluation of the situation, the number of suspected cases was revised downward to Bikoro (8 suspected cases) and Iboko (2 suspected cases). • Deaths: 18 • Suspected cases: 12 (8 in Bikoro, 2 in Iboko, 2 in Wangata) • Confirmed cases: 2 • Cases previously suspected but tested negative: 3 • Total notified cases: 35 in 4 health zones (Bikoro , Iboko, Wangata and Ingende; this count includes the 3 laboratory-negative cases).
May 13, 2018	8	<p>Director General of the WHO, MOH and representative of WHO DRC visit Mbandaka and Bikoro.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 5 (2 in Bikoro ; 3 in Iboko) • Deaths: 20 (17 in Bikoro; 3 in Iboko)

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		<ul style="list-style-type: none"> • Suspected cases: 17 (10 in Bikoro, 5 in Iboko, 2 in Wangata) • Confirmed cases: 2 • Cases previously suspected but tested negative: 3 • Total notified cases: 42 in 4 health zones (Bikoro , Iboko, Wangata and Ingende; this count includes the 3 laboratory-negative
May 14, 2018	9	<p>Cold chain for vaccination is being deployed on site.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 3 (in Bikoro) • Deaths: 20 (17 in Bikoro; 3 in Iboko) • Suspected cases: 20 (13 in Bikoro, 5 in Iboko, 2 in Wangata) • Confirmed cases: 2 • Cases previously suspected but tested negative: 3 • Total notified cases: 45 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count includes the 3 laboratory-negative
May 15, 2018	10	<p>USAID approved the request in support for outbreak response. Previously, the analysis made on the five samples at the PREDICT lab cost \$111.35 At the end of all analysis, this amount may reach \$276.69</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 3 (in Wangata) • Deaths: 20 (18 in Bikoro; 2 in Iboko) • Suspected cases: 20 (14 in Bikoro, 3 in Iboko, 3 in Wangata) • Confirmed cases: 2 • Cases previously suspected but tested negative: 3 • Total notified cases: 42 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 16, 2018	11	<p>5412 doses of vaccines against EVD arrived in Kinshasa. The MOH (INRB) officially asked PREDICT for a space in a -80 freezer to store the vaccines. A vaccination committee will be set up to coordinate vaccination activities.</p> <p>In view of the spread of the outbreak in several health zones, a reassessment of laboratory needs is being made by the Laboratory commission. This changing state of need will integrate all affected health areas.</p> <p>Monitoring report:</p>

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		<ul style="list-style-type: none"> • New suspected cases : 2 (1 in Bikoro and another in Wangata) • Deaths: 23 (20 in Bikoro; 3 in Iboko) • Probable cases: 20 (18 in Bikoro; 2 in Iboko) • Suspected cases: 21 (15 in Bikoro, 3 in Iboko, 3 in Wangata) • Confirmed cases: 3 • Cases previously suspected but tested negative: 3 • Total notified cases: 44 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 17, 2018	12	<p>Vaccination at the sites of the outbreak will begin on Monday, May 21, 2018. Vaccination will target health professionals working in the hospitals, contacts of the confirmed cases, and contacts of the case contacts.</p> <p>In view of the importance of the outbreak, the laboratory and research commission reassessed the needs for assistance. In order to circumvent the difficulties related to customs clearance, the chairman of the commission, Pr Muyembe, suggested that some materials be bought in Kinshasa.</p> <p>Six specimen collected on May 16 should arrive tonight in Kinshasa from Mbandaka.</p> <p>The laboratory in Bikoro is fully functional. Rapid diagnostic test and RT-PCR will be used. In Mbandaka, the GeneXpert is set up, but electricity is a problem .</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 0 • Deaths: 24 (21 in Bikoro; 3 in Iboko) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 1 (health zone has not been specified) • Confirmed cases: 14 (13 in Bikoro ; 1 in Wangata) • Contact case: 532 (330 in Bikoro; 120 in Iboko; 52 in Wangata; 30 in Ntondo) • Cases previously suspected but tested negative: 3 • Total notified cases: 45 in 4 health zones (Bikoro, Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative cases. <p>Please note that the total notified cases (45) does not match the sum of the suspected, confirmed and deceased cases, but these are the</p>

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		<p>numbers MOH is reporting.</p> <p>The WHO situation report (May 16 version) indicates a total of 44 notified cases and 23 deaths.</p>
May 18, 2018	13	<p>A new MOH team arrived in Mbandaka this morning.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 4 (in Iboko) • Deaths: 25 (20 in Bikoro; 4 in Iboko ; 1 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 4 (in Iboko) • Confirmed cases: 17 (8 in Bikoro ; 5 in Iboko; 4 in Wangata) • Followed contact cases: 429 (274 in Bikoro; 73 in Iboko; 52 in Wangata; 30 in Ntongo) • Total notified cases: 42 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals. <p>Please note that the total notified cases (42) does not match the sum of the suspected, confirmed and deceased cases, but these are the numbers MOH is reporting.</p> <p>The WHO situation report (May 17 version) indicates a total of 45 notified cases and 24 deaths.</p>
May 19, 2018	14	<p>Free health care will be provided in epidemic health zones (areas where there are confirmed cases) and in health zones close to the epidemic zone. In total, seven health zones have been identified.</p> <p>In Mbandaka , 62 frontline health care and laboratory workers (11 in Wangata, 24 in Bolenge and 27 at the Ebola Treatment Center) have been identified to receive the vaccine. An additional 3000 doses are expected to reach Kinshasa on May 19, 2018. The shipping of vaccines to Mbandaka will begin on May 20, 2018.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 26 (22 in Bikoro; 3 in Iboko ; 1 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 3 (2 in Iboko; 1 in Wangata) • Confirmed cases: 21 (10 in Bikoro ; 7 in Iboko; 4 in Wangata) • Followed contact cases: 501 (279 in Bikoro; 75 in Iboko; 117 in Wangata; 30 in Ntongo) • Total notified cases: 45 in 4 health zones (Bikoro , Iboko,

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		Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 20, 2018	15	<p>On May 19, a confirmed female case from Wangata left the Ebola treatment center in Mbandaka.</p> <p>An alert case in Kinshasa was tested negative for Ebolavirus by RT-PCR at INRB.</p> <p>560 doses of vaccine arrived in Mbandaka.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 26 (22 in Bikoro; 3 in Iboko ; 1 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 6 (6 in Iboko) • Confirmed cases: 22 (10 in Bikoro ; 8 in Iboko; 4 in Wangata) • Followed contact cases: 511 (273 in Bikoro; 95 in Iboko; 113 in Wangata; 30 in Ntongo) • Total notified cases: 49 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 21, 2018	16	<p>The vaccination campaign (rVSV-ZEBOV) started today in the epidemic zones.</p> <p>The PREDICT laboratory analyzed four confirmed positive specimens from Mbandaka, which previously tested positive by the geneXpert platform. One of the four specimens tested positive for filovirus RNA using the PREDICT virus-family consensus PCR protocol, this initial result will be confirmed by genetic sequencing.</p> <p>The PREDICT lab also tested the two positive confirmed specimens from Bikoro. One sample was positive for filovirus using the PREDICT virus-family level consensus PCR protocol which will also be confirmed by genetic sequencing.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 27 (22 in Bikoro; 3 in Iboko ; 2 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 2 (in Wangata) • Confirmed cases: 28 (10 in Bikoro ; 14 in Iboko; 4 in Wangata) • Followed contact cases: 561 (301 in Bikoro; 115 in Iboko; 115 in Wangata; 30 in Ntongo) • Total notified cases: 51 in 4 health zones (Bikoro, Iboko, Wangata

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		<p>and Ingende); this count does not include the 3 laboratory-negative individuals.</p> <p>Please note: the WHO situation report (May 20 version) indicates a total of 49 notified cases and 26 deaths.</p>

In-Country Government Outbreak or Health Event Points of Contact

Public Health ministry or department:

Name:	Bathe Ndjokolo
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Mobile Phone:	

Livestock ministry or department:

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Wildlife/Environment ministry or department:

Name:	Jeff Mapilanga
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OIE focal point:

Name:	Honore N'Lemba Mabela
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IHR focal point:

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FAO:

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WHO:

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Mobile Phone:	

EPT ONE HEALTH WORKFORCE Project:

Name:	Diafuka Saila Ngita
Email:	Diafuka.saila_ngita@tufts.edu
Mobile Phone:	243 (0)81 230 4310

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EPT PREPAREDNESS and RESPONSE Project:

Name:	
Email:	
Mobile Phone:	

Other Important Contacts:

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

From: Nistara Randhawa <nrandhawa@ucdavis.edu>
To: Jonna Mazet <jkmazet@ucdavis.edu>
CC: Ariful Islam <Arif@ecohealthalliance.org>; Charles Kumakamba <ckumakamba@metabiota.com>; Tracey Goldstein <tgoldstein@ucdavis.edu>; Jon Epstein <epstein@ecohealthalliance.org>; Karen Saylors <ksaylors@metabiota.com>
Sent: 5/22/2018 8:44:39 PM
Subject: Re: Invitation to participate in a special plenary session at IOHC Saskatoon

Dear Jonna and everyone,

Thank you for considering us for this great opportunity; I'm very happy to be able to participate in it. The topics look good to me, and I'll share my presentation in advance of the conference to make sure it ties in well with the others. Also look forward to meeting you, Charles and Arif!

Best wishes,
Nistara

Nistara Randhawa
BVSc & AH, MVSc, MPVM
PhD candidate, Epidemiology
One Health Institute
UC Davis School of Veterinary Medicine
nistara.net

On Tue, May 22, 2018 at 7:23 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Dear Arif, Charles & Nistara,

I would like to invite you to make a brief presentation (approx. 10 minutes each) and to be available for audience questions during a special plenary session at IOHC on Saturday 23rd Jun 12:30-14:00.

I am pleased to be able to offer you this opportunity to highlight our work in this important venue to an international audience, and I would appreciate, as would the listeners, your contributions greatly.

I think the following topics would be good -- do you agree? I am happy to work with you on the presentations in advance of the conference.

Changing the Future of Epidemic Response & Pandemic Prevention

- Shifting the response paradigm from reactive to proactive -- Jonna AK Mazet
- Rapid response & control lessons from Ebola in DRC -- Charles Kumakamba
- Nipah in Bangladesh: when epidemics become endemic
- Accurately forecasting viral spread -- Nistara Randhawa
- Strategy to understand new high consequence viral species -- Tracey Goldstein
- The Global Virome Project: assessing & mitigating risk from emerging zoonotic threats -- Jonna AK Mazet

Please let me know if you agree to participate & if you want any changes to the details above.

Thank you for considering,

Jonna

Jonna AK Mazet, DVM, MPVM, PhD
Professor of Epidemiology & Disease Ecology
Executive Director, One Health Institute
Global Director, PREDICT Project of USAID Emerging Pandemic Threats Program

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University of California
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+1-530-752-3630

onehealthinstitute.net

For scheduling and logistical issues, please contact:

Ms. Brooke Genovese

bgenovese@ucdavis.edu

[+1-530-752-3630](tel:+15307523630)

From: Andrew Clements <aclements@usaid.gov>
To: Brian Bird <bhbird@ucdavis.edu>
CC: Jonna Mazet <jkmazet@ucdavis.edu>; PREDICTMGT <predictmgt@usaid.gov>; isimmons@usaid.gov <isimmons@usaid.gov>; bhaberer@usaid.gov <bhaberer@usaid.gov>; Jean-Felly Numbi <jnumbi@usaid.gov>; PREDICT-outbreak <predict-outbreak@ucdavis.edu>; Karen Saylors <ksaylors@metabiota.com>
Sent: 5/23/2018 3:12:56 AM
Subject: Re: UPDATE PREDICT DRC EVD outbreak 22 May 2018

Thanks, Brian

*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 May 23, 2018, at 2:40 AM, Brian Bird <bhbird@ucdavis.edu> wrote:

Hi everyone,

Some incremental updates from the DRC team today. Details in the report.

Have a good evening,

-Brian

Brian H. Bird DVM, MSPH, PhD
Global Lead Sierra Leone and
Multi-Country Ebola operations
PREDICT-USAID

One Health Institute
1089 Veterinary Medicine Dr.
School of Veterinary Medicine
University of California, Davis
Email: bhbird@ucdavis.edu
Skype: brianhb1
<http://www.vetmed.ucdavis.edu/ohi/predict/index.cfm>

From: Brian Bird <bhbird@ucdavis.edu>
Date: Monday, May 21, 2018 at 3:37 PM
To: Jonna Mazet <jkmazet@ucdavis.edu>, PREDICTMGT <predictmgt@usaid.gov>, <isimmons@usaid.gov>, <bhaberer@usaid.gov>, Jean-Felly Numbi <jnumbi@usaid.gov>
Cc: PREDICT-outbreak <predict-outbreak@ucdavis.edu>, Karen Saylors <ksaylors@metabiota.com>
Subject: UPDATE PREDICT DRC EVD outbreak 20 and 21 May 2018

Hi everyone,

Some updates from the team from yesterday and today. In brief, the PREDICT laboratory has completed the first batch of preliminary testing. Final results are pending sequence confirmation.

More details in the report,

Yours,

-Brian

Brian H. Bird DVM, MSPH, PhD
Global Lead Sierra Leone and
Multi-Country Ebola operations
PREDICT-USAID

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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/58303BF3-7211-437D-ADFC-360B7249B838%40ucdavis.edu>.

From: Brian Bird <bhbird@ucdavis.edu>
To: Jonna Mazet <jkmazet@ucdavis.edu>; PREDICTMGT
<predictmgt@usaid.gov>; isimmons@usaid.gov
<isimmons@usaid.gov>; bhaberer@usaid.gov <bhaberer@usaid.gov>; Jean-Felly Numbi
<jnumbi@usaid.gov>
CC: PREDICT-outbreak <predict-outbreak@ucdavis.edu>; Karen Saylor
<ksaylors@metabiota.com>
Sent: 5/23/2018 5:10:16 PM
Subject: Re: UPDATE PREDICT DRC EVD outbreak 22 May 2018

Hi all,

Another small update today from the field. Details in report.

And I'm passing on a link, shared by Dr. William Karesh, to an interesting article from *The Atlantic* suggesting that many of the GIS generated health maps used in reporting this outbreak may erroneously depict local health zone borders. <https://www.theatlantic.com/health/archive/2018/05/most-maps-of-the-new-ebola-outbreak-are-wrong/560777/>

By extension, our map herein may also be in error. We will update our map as needed as more reliable information is made available.

-Brian

From: Brian Bird
Date: Tuesday, May 22, 2018 at 5:40 PM
To: Jonna Mazet , PREDICTMGT , , , Jean-Felly Numbi
Cc: PREDICT-outbreak , Karen Saylor
Subject: UPDATE PREDICT DRC EVD outbreak 22 May 2018

Hi everyone,

Some incremental updates from the DRC team today. Details in the report.

Have a good evening,

-Brian

Brian H. Bird DVM, MSPH, PhD
Global Lead Sierra Leone and
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PREDICT-USAID

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<http://www.vetmed.ucdavis.edu/ohi/predict/index.cfm>

From: Brian Bird
Date: Monday, May 21, 2018 at 3:37 PM
To: Jonna Mazet , PREDICTMGT , , , Jean-Felly Numbi

Cc: PREDICT-outbreak , Karen Saylor

Subject: UPDATE PREDICT DRC EVD outbreak 20 and 21 May 2018

Hi everyone,

Some updates from the team from yesterday and today. In brief, the PREDICT laboratory has completed the first batch of preliminary testing. Final results are pending sequence confirmation.

More details in the report,

Yours,

-Brian

Brian H. Bird DVM, MSPH, PhD
Global Lead Sierra Leone and
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PREDICT-USAID

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<http://www.vetmed.ucdavis.edu/ohi/predict/index.cfm>

PREDICT Outbreak or Health Event Rapid Report

Today's Date: May 23, 2018

Working Title of Investigation: Ebola virus disease outbreak in Equateur province, DR Congo.

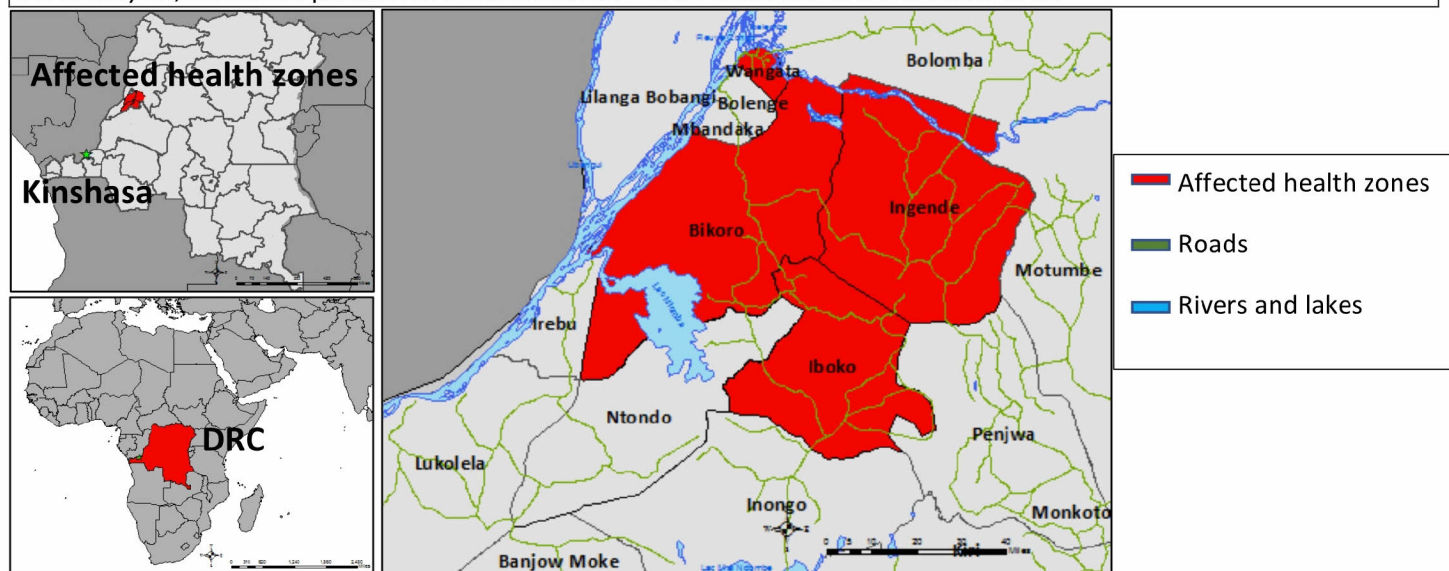
Cumulative day of the outbreak investigation: 18 days

Please describe the disease signs and symptoms and species affected (humans, domesticated animals, wildlife:

Between April 3 and May 7, 2018, 17 successive deaths were recorded in the health district of Ikono Imponge, in the health zone of Bikoro (Equateur Province). Seventeen individuals were linked through family relationships. Patients presented with the following symptoms prior to their death: fever, diarrhea, abdominal pain, vomiting, muscle and joint pain, and hemorrhagic symptoms.

On May 4, an alert for suspected Viral Hemorrhagic Fever in the Bikoro health zone was received at the MOH Office of Disease Control.

On May 8, two out of five individuals tested were confirmed as Ebola virus (species, *Zaire ebolavirus*) by RT-PCR at INRB. As of May 23, additional possible EVD cases continue to be identified in the affected area.



Location	
Country:	Democratic Republic of the Congo
District:	Equateur
Village/Town:	IKONO IMPONGE / Health zone of BIKORO
GPS Coordinates (if known):	Latitude : -0.749997 ; Longitude : 18.116662
Date that first case(s) of illness occurred (if known or estimate):	April 03, 2018
Date that PREDICT was first notified of outbreak:	May 07, 2018

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Key Information	Description of Findings/Actions/Outcomes				
How many affected individuals?		Suspected	Confirmed	Deaths	Total affected
	Humans	16	30	30	68
	Domestic Animals	0	0	0	0
	Wild Animals	0	0	0	0
How was outbreak first noticed?	Ikono Imponge health district notified the Bikoro Health Zone of 1 death with viral hemorrhagic fever-like symptoms.				
Where was the first reported case? What is/was the extent of geographic spread? Include comments on the apparent speed of spread.	<ul style="list-style-type: none"> A cluster in week 11 (12-18 March 2018) in Bikoro area, Equateur, DRC, including 19 cases including 17 deaths, 15 deaths of which were in the community, raised the alert of suspected VHF. Symptoms observed include fever, vomiting, abdominal pain, eye redness, and diarrhea, and were not alleviated by antibiotic and antimalarial treatment. The first reported case was at IKONO IMPONGE Health District. Between April 3 and May 7, 2018, 17 deaths were recorded among people with family relationships, from a total of 27 total cases, according to MOH. (According to WHO reports, investigations identified 135 cases retrospectively, going back as far as January 2018 in the Igende zone, 60km from Bikoro, so there is some conflicting information circulating.) The first case in Bikoro was a policeman who arrived from Igende area. He died in a health centre in Ikoko Impenge village, Bikoro area. Following the first case's funeral, 11 family members developed symptoms and 7 died. The deceased all had either attended the funeral or acted as caregivers. Five patients were sampled and tested for EVD, of which two were found positive for EVD by RT-PCR at INRB in Kinshasa on 8 May 2018. 				
Has the country requested support from PREDICT (include date of request)?	The DRC requested unspecified support from PREDICT on May 7, 2018. On Tuesday, May 8, MOH requested that PREDICT conduct additional testing of the 5 samples stored at INRB, which USAID approved on the same day. The PREDICT lab				

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	<p>team received samples and initiated testing on Wednesday, May 9.</p> <p>On May 9, a list of unmet needs was developed at the outbreak response meeting with MOH and partners.</p> <p>Late on May 11, PREDICT received a formal request from the Government through INRB regarding support for outbreak response activities. In response to the list of unmet needs provided by the laboratory commission, PREDICT provided 150 PPE, a Smartcycler PCR machine and accompanying computer, and two gloveboxes.</p> <p>On May 12, INRB requested PPE and sampling kits from PREDICT to send to the outbreak sites. USAID quickly approved this, so Metabiota ordered these with the plan to express them to DRC.</p> <p>On May 16, the MOH (INRB) officially asked PREDICT for a space in a -80 freezer to store Ebola vaccines.</p> <p>The mobile lab in Bikoro is functional (with RT-PCR, rapid tests, and GeneExpert up and running) as is the Mbandaka MOH-INRB lab</p>
If so, which government agency requested PREDICT support?	Ministry of Health through the National Institute of Biomedical Research (INRB)
When was PREDICT response initiated (date)?	Tuesday, May 8, 2018
Are other EPT partners involved in the response (which ones and how)?	No
What type of assistance did PREDICT initially provide? Which PREDICT personnel were involved?	<p>PREDICT is running the PREDICT protocol testing on patient specimens, using PREDICT virus family primers with the intent of finding filoviruses or other viral families, as well as identifying sequences for further elucidation of species and strain. (Previously INRB testing of five patients' whole blood specimens for EVD found two to be positive for Ebola virus (<i>Zaire ebolavirus</i>) by RT-PCR at INRB in Kinshasa on May 7 2018.)</p> <p>On May 12, the K-Plan mobile lab (previously acquired through USAID support) was deployed to the outbreak site in</p>

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	Bikoro and Iboko. The INRB team arrived that Saturday morning in Mbandaka, the capital of Equator Province, for preparation.			
<p>When was the first official acknowledgement of the outbreak (by which government agency or other reputable body and date)?</p> <p>When was a response initiated and by whom? Which agencies were involved? Who was in charge of the national response?</p>	<p>The first official acknowledgement of the outbreak was by the MOH Office of Disease Control on May 6, 2018.</p> <p>A joint investigation team was deployed by MOH, WHO and MSF, and according to MOH, another team from the MOH Office of Disease Control and WHO deployed today to Mbandaka (capital of Equateur province) to lead case investigations.</p> <p>Background on area: Ikoko Impenge health area covers 15km and includes 5 villages, all of which have reported suspected cases. This area of DRC has not suffered previous documented Ebola outbreaks.</p> <p>Ikoko Impenge health area is not covered by mobile telephone networks, but is accessible by road. It lies 128km from Mbandaka, the capital of Equateur province, however the road is under renovation and the current route is 280km. An airstrip is present 8km from Bikoro, which is 30km from Ikoko.</p>			
Was the cause of the outbreak confirmed by a laboratory? If so, give details of the initial confirmation (cause, species, specimen types tested and dates of testing if known).	INRB testing of five patients' whole blood specimens for EVD found two to be positive for Ebola virus (<i>Zaire ebolavirus</i>) by RT-PCR at INRB in Kinshasa on May 7 2018.			
Where was the laboratory testing performed (name of laboratory)?	INRB			
Number of days between initiation of government response and lab confirmation of laboratory results.	1 day			
Summary of the Outbreak or Event:				
Working name of the outbreak:				
Total number of cases:		Suspected:	Confirmed:	Deaths:
	Humans			
	Domestic Animals			
	Wild Animals			

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Summary of PREDICT Team response activities during the outbreak.

PREDICT Outbreak or Health Event Response Daily Activities/Timeline

Working Title of Investigation: Ebola virus outbreak DRC Equateur April-May 2018

Key Events:

Date	Day #	Notification or Action Taken
April 3, 2018	-34	First suspect case in family cluster
May 6, 2018	1	Head Office of Disease Control officially acknowledges the outbreak.
May 7, 2018	2	<p>The government, through the INRB, verbally requests PREDICT support. Specific details of request pending.</p> <p>Confirmation of Ebola virus by RT-PCR at the INRB laboratory. Of five samples tested, two were positive for <i>Zaire ebolavirus</i>.</p>
May 8, 2018	3	<p>MOH verbally requests for PREDICT to conduct PREDICT protocol testing of samples at INRB. Written approval from USAID AOR communicated to PREDICT DRC team. Samples transferred to PREDICT lab.</p> <p>Official Statement of the Ebola Virus Epidemic released by the Congolese Government (Ministry of Health). Developed road map and response plan.</p> <p>An investigative mission led by the director of the Office of Disease Control (DGLM) planned for Wednesday May 9, 2018 in the province of Equateur.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New cases registered: 4 (in the health center) • On five previous cases monitored, three were released. There are two active cases in the General Hospital. • Total of active and monitored cases: 6 (among which 4 are suspected cases). • Laboratory confirmed cases : 2 • Deaths : 17 • Total notified cases: 23
May 9, 2018	4	PREDICT lab analysis of clinical specimens following PREDICT virus-family

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		<p>level protocols is in progress. PREDICT Country Coordinator met with MOH and partners on response plan and development of list of unmet needs.</p> <p>An investigative mission led by Office of Disease Control (DGLM) was deployed today May 9 to the province of Equateur.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New cases registered: 4 • Total of active and monitored cases: 10 (among which 8 are suspected cases). • Confirmed cases : 2 • Deaths: 17 • Total cases under investigation: 27
May 10, 2018	5	<p>Four new suspected cases and one death were reported in the health zone of Iboko, near the Bikoro health zone. The deceased case was a health professional who had symptoms suggestive of Ebola virus disease.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 18 cases • Suspected cases: 12 cases • Confirmed cases: 2 cases • Total notified cases: 32 cases (in Bikoro and Iboko) <p>Identified actions:</p> <ul style="list-style-type: none"> • Identification of positive cases • Contact tracing • Active monitoring • Sensitization seminars of all the Chief Medical officers in the health zones of Equator Province.
May 11, 2018	6	<p>Late on May 11, the PREDICT DRC team received a formal request from the Government, through INRB regarding support for response activities.</p> <p>In response to the list of unmet needs provided by the laboratory commission, PREDICT provided 150 PPE, a Smartcycler and accompanying computer, and two gloveboxes.</p> <p>The K-Plan mobile lab (previously acquired through USAID support) will be deployed to the outbreak site in Bikoro and Iboko tomorrow (May 12, 2018).</p> <p>There is a significant and urgent need for sampling kits on sites of the</p>

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		<p>outbreak.</p> <p>According to the WHO, all conditions are met for the vaccine to arrive in Kinshasa next week (week of May 14 to 20, 2018).</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 2 (one in Iboko and the other in Bikoro) • There are three community alert cases in Mbandaka of new reports of ill individuals in the community requiring follow-up. • Deaths : 18 • Suspected cases: 14 (9 in Bikoro, 5 in Iboko) • Confirmed cases: 2 • Total notified cases: 34 (in Bikoro and Iboko)
May 12, 2018	7	<p>In preparation for this deployment, the INRB Team arrived in Mbandaka, the capital of Equator Province.</p> <p>The Minister of Health and Ministry of Health officials arrived this morning to the sites of the epidemic. The INRB Team is in Bikoro. The K-Plan mobile lab was shipped this morning to Bikoro via Mbandaka.</p> <p>The Director General of the WHO arrives tonight in Kinshasa.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 2 (in Wangata, one of three health zones of Mbandaka) • After re-evaluation of the situation, the number of suspected cases was revised downward to Bikoro (8 suspected cases) and Iboko (2 suspected cases). • Deaths: 18 • Suspected cases: 12 (8 in Bikoro, 2 in Iboko, 2 in Wangata) • Confirmed cases: 2 • Cases previously suspected but tested negative: 3 • Total notified cases: 35 in 4 health zones (Bikoro , Iboko, Wangata and Ingende; this count includes the 3 laboratory-negative cases).
May 13, 2018	8	<p>Director General of the WHO, MOH and representative of WHO DRC visit Mbandaka and Bikoro.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 5 (2 in Bikoro ; 3 in Iboko) • Deaths: 20 (17 in Bikoro; 3 in Iboko) • Suspected cases: 17 (10 in Bikoro, 5 in Iboko, 2 in Wangata)

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		<ul style="list-style-type: none"> Confirmed cases: 2 Cases previously suspected but tested negative: 3 Total notified cases: 42 in 4 health zones (Bikoro , Iboko, Wangata and Ingende; this count includes the 3 laboratory-negative
May 14, 2018	9	<p>Cold chain for vaccination is being deployed on site.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> New suspected cases : 3 (in Bikoro) Deaths: 20 (17 in Bikoro; 3 in Iboko) Suspected cases: 20 (13 in Bikoro, 5 in Iboko, 2 in Wangata) Confirmed cases: 2 Cases previously suspected but tested negative: 3 Total notified cases: 45 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count includes the 3 laboratory-negative
May 15, 2018	10	<p>USAID approved the request in support for outbreak response. Previously, the analysis made on the five samples at the PREDICT lab cost \$111.35 At the end of all analysis, this amount may reach \$276.69</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> New suspected cases : 3 (in Wangata) Deaths: 20 (18 in Bikoro; 2 in Iboko) Suspected cases: 20 (14 in Bikoro, 3 in Iboko, 3 in Wangata) Confirmed cases: 2 Cases previously suspected but tested negative: 3 Total notified cases: 42 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 16, 2018	11	<p>5412 doses of vaccines against EVD arrived in Kinshasa. The MOH (INRB) officially asked PREDICT for a space in a -80 freezer to store the vaccines. A vaccination committee will be set up to coordinate vaccination activities.</p> <p>In view of the spread of the outbreak in several health zones, a reassessment of laboratory needs is being made by the Laboratory commission. This changing state of need will integrate all affected health areas.</p> <p>Monitoring report:</p>

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		<ul style="list-style-type: none"> • New suspected cases : 2 (1 in Bikoro and another in Wangata) • Deaths: 23 (20 in Bikoro; 3 in Iboko) • Probable cases: 20 (18 in Bikoro; 2 in Iboko) • Suspected cases: 21 (15 in Bikoro, 3 in Iboko, 3 in Wangata) • Confirmed cases: 3 • Cases previously suspected but tested negative: 3 • Total notified cases: 44 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 17, 2018	12	<p>Vaccination at the sites of the outbreak will begin on Monday, May 21, 2018. Vaccination will target health professionals working in the hospitals, contacts of the confirmed cases, and contacts of the case contacts.</p> <p>In view of the importance of the outbreak, the laboratory and research commission reassessed the needs for assistance. In order to circumvent the difficulties related to customs clearance, the chairman of the commission, Pr Muyembe, suggested that some materials be bought in Kinshasa.</p> <p>Six specimen collected on May 16 should arrive tonight in Kinshasa from Mbandaka.</p> <p>The laboratory in Bikoro is fully functional. Rapid diagnostic test and RT-PCR will be used. In Mbandaka, the GeneXpert is set up, but electricity is a problem .</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 0 • Deaths: 24 (21 in Bikoro; 3 in Iboko) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 1 (health zone has not been specified) • Confirmed cases: 14 (13 in Bikoro ; 1 in Wangata) • Contact case: 532 (330 in Bikoro; 120 in Iboko; 52 in Wangata; 30 in Ntondo) • Cases previously suspected but tested negative: 3 • Total notified cases: 45 in 4 health zones (Bikoro, Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative cases. <p>Please note that the total notified cases (45) does not match the sum of the suspected, confirmed and deceased cases, but these are the</p>

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		<p>numbers MOH is reporting.</p> <p>The WHO situation report (May 16 version) indicates a total of 44 notified cases and 23 deaths.</p>
May 18, 2018	13	<p>A new MOH team arrived in Mbandaka this morning.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • New suspected cases : 4 (in Iboko) • Deaths: 25 (20 in Bikoro; 4 in Iboko ; 1 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 4 (in Iboko) • Confirmed cases: 17 (8 in Bikoro ; 5 in Iboko; 4 in Wangata) • Followed contact cases: 429 (274 in Bikoro; 73 in Iboko; 52 in Wangata; 30 in Ntongo) • Total notified cases: 42 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals. <p>Please note that the total notified cases (42) does not match the sum of the suspected, confirmed and deceased cases, but these are the numbers MOH is reporting.</p> <p>The WHO situation report (May 17 version) indicates a total of 45 notified cases and 24 deaths.</p>
May 19, 2018	14	<p>Free health care will be provided in epidemic health zones (areas where there are confirmed cases) and in health zones close to the epidemic zone. In total, seven health zones have been identified.</p> <p>In Mbandaka , 62 frontline health care and laboratory workers (11 in Wangata, 24 in Bolenge and 27 at the Ebola Treatment Center) have been identified to receive the vaccine. An additional 3000 doses are expected to reach Kinshasa on May 19, 2018. The shipping of vaccines to Mbandaka will begin on May 20, 2018.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 26 (22 in Bikoro; 3 in Iboko ; 1 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 3 (2 in Iboko; 1 in Wangata) • Confirmed cases: 21 (10 in Bikoro ; 7 in Iboko; 4 in Wangata) • Followed contact cases: 501 (279 in Bikoro; 75 in Iboko; 117 in Wangata; 30 in Ntongo) • Total notified cases: 45 in 4 health zones (Bikoro , Iboko,

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		Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 20, 2018	15	<p>On May 19, a confirmed female case from Wangata left the Ebola treatment center in Mbandaka.</p> <p>An alert case in Kinshasa was tested negative for Ebolavirus by RT-PCR at INRB.</p> <p>560 doses of vaccine arrived in Mbandaka.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 26 (22 in Bikoro; 3 in Iboko ; 1 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 6 (6 in Iboko) • Confirmed cases: 22 (10 in Bikoro ; 8 in Iboko; 4 in Wangata) • Followed contact cases: 511 (273 in Bikoro; 95 in Iboko; 113 in Wangata; 30 in Ntongo) • Total notified cases: 49 in 4 health zones (Bikoro , Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 21, 2018	16	<p>The vaccination campaign (rVSV-ZEBOV) started today in the epidemic zones.</p> <p>The PREDICT laboratory analyzed four confirmed positive specimens from Mbandaka, which previously tested positive by the geneXpert platform. One of the four specimens tested positive for filovirus RNA using the PREDICT virus-family consensus PCR protocol, this initial result will be confirmed by genetic sequencing.</p> <p>The PREDICT lab also tested the two positive confirmed specimens from Bikoro. One sample was positive for filovirus using the PREDICT virus-family level consensus PCR protocol which will also be confirmed by genetic sequencing.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> • Deaths: 27 (22 in Bikoro; 3 in Iboko ; 2 in Wangata) • Probable cases: 21 (19 in Bikoro; 2 in Iboko) • Suspected cases: 2 (in Wangata) • Confirmed cases: 28 (10 in Bikoro ; 14 in Iboko; 4 in Wangata) • Followed contact cases: 561 (301 in Bikoro; 115 in Iboko; 115 in Wangata; 30 in Ntongo) • Total notified cases: 51 in 4 health zones (Bikoro, Iboko, Wangata

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		<p>and Ingende); this count does not include the 3 laboratory-negative individuals.</p> <p>Please note: the WHO situation report (May 20 version) indicates a total of 49 notified cases and 26 deaths.</p>
May 22, 2018	17	<p>Two patients left the Wangata Ebola Treatment Center. Both were found later, including one individual who had died after returning to their home.</p> <p>One death in Wangata (from May 20) was reported as non-EVD.</p> <p>33 people were vaccinated (rVSV-ZEBOV) including 10 hospital health personnel in Wangata, 22 case contacts and the Director of the Expanded Vaccination Program.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> Deaths: 27 (23 in Bikoro; 3 in Iboko ; 1 in Wangata) Probable cases: 21 (19 in Bikoro; 2 in Iboko) Suspected cases: 9 (6 in Iboko; 3 in Wangata) Confirmed cases: 28 (10 in Bikoro; 14 in Iboko; 4 in Wangata) Followed contact cases: 561 (321 in Bikoro; 114 in Iboko; 112 in Wangata; 30 in Ntondo) [note the total should be 577] Total notified cases: 58 in 4 health zones (Bikoro, Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals.
May 23, 2018	18	<p>An additional 3,800 doses of vaccine were received in Mbandaka. The total number of doses received in the outbreak sites is 4,360.</p> <p>Monitoring report:</p> <ul style="list-style-type: none"> Deaths: 30 (24 in Bikoro; 3 in Iboko ; 3 in Wangata) Probable cases: 22 (20 in Bikoro; 2 in Iboko) Suspected cases: 16 (2 in Bikoro; 8 in Iboko; 6 in Wangata) Confirmed cases: 30 (10 in Bikoro; 16 in Iboko; 4 in Wangata) Followed contact cases: 587 (344 in Bikoro; 111 in Iboko; 102 in Wangata; 30 in Ntondo) Total notified cases: 68 in 4 health zones (Bikoro, Iboko, Wangata and Ingende); this count does not include the 3 laboratory-negative individuals. <p>Please note: the WHO situation report (May 20 version) indicates a total of 51 notified cases and 27 deaths.</p>

In-Country Government Outbreak or Health Event Points of Contact

Public Health ministry or department:

Name:	Bathe Ndjokolo
Email:	Bathe42@hotmail.com
Mobile Phone:	

Livestock ministry or department:

Name:	Leopold Mulumba
Email:	Leopold_mulumba@yahoo.com
Mobile Phone:	243 (0)81 509 1448 243 (0)84 200 0178

Wildlife/Environment ministry or department:

Name:	Jeff Mapilanga
Email:	jeffmapilanga@gmail.com
Mobile Phone:	243 (0)99 810 1924

OIE focal point:

Name:	Honore N'Lemba Mabela
Email:	Dr_nlemba@yahoo.fr
Mobile Phone:	243 (0)81 512 6564 243 (0)99 990 2967

IHR focal point:

Name:	Theophile Bokenge
Email:	drbokenge@yahoo.fr
Mobile Phone:	

FAO:

Name:	Philippe Kone
Email:	Philippe.kone@fao.org
Mobile Phone:	243 (0)82 961 6580

WHO:

Name:	Ernest Dabire
Email:	dabireer@who.int
Mobile Phone:	

EPT ONE HEALTH WORKFORCE Project:

Name:	Diafuka Saila Ngita
Email:	Diafuka.saila_ngita@tufts.edu
Mobile Phone:	243 (0)81 230 4310

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EPT PREPAREDNESS and RESPONSE Project:

Name:	
Email:	
Mobile Phone:	

Other Important Contacts:

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

Organization:	
Name:	
Email:	
Mobile Phone:	

From: Anne Laudisoit <laudisoit@ecohealthalliance.org>
To: Brian Bird <bhbird@ucdavis.edu>
CC: William B. Karesh <karesh@ecohealthalliance.org>; Jonna Mazet <jkmazet@ucdavis.edu>; Chris Johnson <ckjohnson@ucdavis.edu>; Jon Epstein <epstein@ecohealthalliance.org>
Sent: 5/25/2018 11:13:35 AM
Subject: Re: Shuttle Follow Up

Indeed same.

I insisted so much on the emergency that they made a "special quote" .

Is it for DRC that you're ordering ? If so, they may even go lower if for DRC in the EBOV current context (then volt/hz/plug need to be adapted)

Anne

On Fri, May 25, 2018 at 2:02 PM, Brian Bird <bhbird@ucdavis.edu> wrote:

Wow, I like that price (about \$700 bucks cheaper) if you can get it. In my quotation from yesterday from VWR they are \$5,695.

Anne, are we talking about the same freezer here?

-b

From: "William B. Karesh, D.V.M" <karesh@ecohealthalliance.org>
Date: Friday, May 25, 2018 at 9:53 AM
To: Jonna Mazet <jkmazet@ucdavis.edu>, Chris Johnson <ckjohnson@ucdavis.edu>, Brian Bird <bhbird@ucdavis.edu>, Jon Epstein <epstein@ecohealthalliance.org>
Cc: Anne Laudisoit <laudisoit@ecohealthalliance.org>

Subject: Fwd: Shuttle Follow Up

This is the company that Anne has been talking to and is offering reduced pricing, etc. May be of interest for current projects or if we proceed with more field work in DRC

BK

Sent from my iPhone

William B. Karesh, D.V.M

Executive Vice President for Health and Policy

EcoHealth Alliance

460 West 34th Street - 17th Floor

New York, NY 10001 USA

+1.212.380.4463 (direct)

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www.ecohealthalliance.org

President, OIE Working Group on Wildlife

Co-chair, IUCN Species Survival Commission - Wildlife Health Specialist Group

EPT Partners Liaison, USAID Emerging Pandemic Threats - PREDICT-2 Program

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 promote conservation and prevent pandemics.

Begin forwarded message:

From: Anne Laudisoit <laudisoit@ecohealthalliance.org>

Date: May 25, 2018 at 12:32:46 PM EDT

To: "William B. Karesh" <karesh@ecohealthalliance.org>

Subject: Fwd: Shuttle Follow Up

Check below

Please transfer to PREDICT DRC .

They have portable ULT that can be charged on car batteries , I suggested them to adapt them with solar panel and they liked to idea.

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

From: **Heather Shaffer** <hshaffer@stirlingultracold.com>

Date: Tue, May 22, 2018 at 2:04 PM

Subject: Shuttle Follow Up
To: Anne Laudisoit <laudisoit@ecohealthalliance.org>

Hi Anne-

Just checking in to see if the VWR rep was able to get the price point down to \$5,000 for you?

I just saw today in the New York Times about an Ebola outbreak in the African Congo. Are you supporting that effort?

Heather Shaffer

Inside Sales Manager



STIRLING ULTRACOLD A Division of Global Cooling, Inc.

6000 Poston Road Athens, OH 45701, USA

Office: +1.740.274.7963

Mobile: +1.740.517.1644

www.stirlingultracold.com



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Laudisoit Anne (phD)

Senior Scientist - PREDICT Country Liaison for Ivory Coast and Republic of Congo

EcoHealth Alliance
460 West 34th Street – 17th floor
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Office : 646-868-4715

USA : 917-912-2155. (mobile)

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.

--

Laudisoit Anne (phD)

Senior Scientist - PREDICT Country Liaison for Ivory Coast and Republic of Congo

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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.

From: Katherine Leasure <kaleasure@ucdavis.edu>
To: 'Andrew Clements' <aclements@usaid.gov>
CC: 'PREDICTMGT' <predictmgt@usaid.gov>; predict@ucdavis.edu
<predict@ucdavis.edu>; 'Jonna Mazet' <jkmazet@ucdavis.edu>
Sent: 5/30/2018 5:06:09 PM
Subject: RE: PREDICT International Travel Requests

Hi Andrew,

I haven't seen the requests for concurrence for ITAs 3-6 below, so also haven't seen any responses from the respective missions. As it will have been two weeks from your approval as of tomorrow (May 31), should I assume at that point that these ITAs are fully approved?

Thank you,
Katie

From: Andrew Clements [mailto:aclements@usaid.gov]
Sent: Thursday, May 17, 2018 10:24 AM
To: Katherine Leasure
Cc: PREDICTMGT; predict@ucdavis.edu; Jonna Mazet
Subject: Re: PREDICT International Travel Requests

Canada 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 May 17, 2018, at 6:14 PM, 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. Doyle (Canada): \$662 airfare/\$239 (Nanaimo) max daily per diem
2. Greig (Canada): \$892 airfare/\$239 (Nanaimo) max daily per diem
3. Doyle, Gonzalez (Nepal): \$4,000 airfare/\$257 (Kathmandu) max daily per diem
4. Kelly (Ghana): \$2000 airfare/\$331 (Accra) max daily per diem
5. Valitutto (Myanmar): \$3000 airfare/\$287 (Yangon) max daily per diem
6. Dawson (Jordan): \$1400 airfare/\$390 (Amman) max daily per diem

Travel Requests –

UC Davis would like to request travel approval for Mrs. Megan Doyle to travel from Sacramento, CA, USA to Nanaimo, Canada from June 3-6, 2018 for PREDICT project global coordination.

Trip purpose: As support for PREDICT global operations and surveillance teams, Mrs. Doyle and colleague, Dr. Denise Greig, will be traveling to Nanaimo to work closely with the PREDICT Information Management team on data extracts for USAID reporting and preparation of reports for global -level analyses of animal and human health findings to date.

UC Davis would like to request travel approval for Dr. Denise Greig to travel from San Francisco, CA, USA to Nanaimo, Canada from June 3-6, 2018 for PREDICT project global coordination.

Trip purpose: As support for PREDICT global operations and surveillance teams, Dr. Greig and colleague,

Mrs. Megan Doyle, will be traveling to Nanaimo to work closely with the PREDICT Information Management team on data extracts for USAID reporting and preparation of reports for global -level analyses of animal and human health findings to date.

1. UC Davis would like to request travel approval for Mrs. Megan Doyle and Mr. Kevin Gonzalez to travel from San Francisco, CA, USA to Kathmandu, Nepal from June 10-19, 2018 for PREDICT project in-country coordination.

Trip purpose: As field researcher and country support for PREDICT Nepal, Mrs. Doyle will be traveling to Nepal to work closely with the PREDICT Nepal team on training to conduct risk analyses of animal and human health findings to date, assessment of laboratory progress and plans, and finalizing field activities for Y4. Mr. Kevin Gonzalez, project support coordinator, will be accompanying to work with the team in Nepal on data standardization and alignment of field and laboratory data. Mrs. Doyle and Mr. Gonzalez will also work with the team in Nepal on data extracts needed for analyses, characterization of human behavioral risk, and preparation of reports to share with government partners.

2. UC Davis would like to request travel approval for Dr. Terra Kelly to travel from Flagstaff, Arizona, USA to Accra, Ghana from June 10-20, 2018 to assist in-country partners with sampling activities.

Trip purpose: Dr. Kelly will be traveling to Accra and Boabeng-Fiema to assist the team with a concurrent wildlife and human disease surveillance sampling event at the Boabeng-Fiema site.

3. The Smithsonian Institution would like to request travel approval for Dr. Marc Valitutto to travel from Washington, DC, USA to Yangon, Myanmar from July 9-21, 2018 to support concurrent human and animal sample collection, evaluate laboratory progress, and conduct student trainings.

Trip Purpose: This visit to Myanmar is requested for the following reasons in direct relation to P2 work: 1) to participate in Wet Season surveillance of human and animals at two high risk interfaces in Myanmar; 2) to evaluate laboratory analysis progress; 3) assist country coordinator in training master and PhD level students in PREDICT protocols and the One Health platform; 4) ensure full PPE protocols are instituted during surveillance activities.

4. EcoHealth Alliance would like to request travel approval for Patrick Dawson to travel from New York, NY, USA to Amman, Jordan from July 16-22, 2018 to meet with the PREDICT team to review results and analytic plans, plan Year 5 activities, and provide training in uploading data from camel exposure modules to EIDITH.

Trip Purpose: Mr. Dawson will meet with the PREDICT Jordan animal surveillance and human community surveillance teams to review available surveillance and laboratory data to-date. These discussions will help formulate analytic plans to be carried out through Year 5 of the project. He will also use the opportunity to plan Jordan's Year 5 activities with the team, including setting realistic timelines to complete all laboratory testing before the March 2019 deadline and working with the USAID/Jordan Mission to carry out PREDICT capacity-building initiatives in Southern Jordan. Mr. Dawson will train the team in entering data from the camel exposure and camel work modules into EIDITH for the ~750 participants who will have taken them.

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.

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>

From: Megan M Doyle <mmdoyle@UCDAVIS.EDU>
To: predict-surveillance@ucdavis.edu <predict-surveillance@ucdavis.edu>
CC: Catherine Machalaba <machalaba@ecohealthalliance.org>; William B. Karesh" <karesh@ecohealthalliance.org>; Jonna Mazet <jkmazet@ucdavis.edu>
Sent: 5/31/2018 3:17:42 PM
Subject: Notes & next call Thurs, June 7th @ 10am PT/1pm ET

Hi Surveillance Team,

Please find notes from our last call on May 24th attached and let me know if you have any corrections. Action items and next call are also below.

Action Items and Reminders for next call:

1. **Our next call is on Thurs, June 7th @ 10am PT/1pm ET **this will be the joint call with surveillance, behavior, and pathogen detection teams, so no country updates****
2. **If any PREDICT team receives requests to attend outbreak prevention planning meetings or information gathering sessions, please bring them to our attention immediately at predict-outbreak@ucdavis.edu so that leadership can provide guidance on how to respond to these requests.**
3. **Global leads, please coordinate a time for Catherine to discuss capturing engagement with health security policies with your country teams.**

Thank you!
Megan

Megan Doyle
Research Associate
Emerging Pandemic Threats PREDICT Project
EpiCenter for Disease Dynamics
One Health Institute
UC Davis School of Veterinary Medicine
530-564-2133
mmdoyle@ucdavis.edu
skype: megan.m.doyle

May 24th, 2018 Surveillance Team Call

Action Items and Reminders for next call:

1. Our next call is on June 7th ****this will be the joint call with surveillance, behavior, and pathogen detection teams, so no country updates****
2. If any PREDICT team receives requests to attend outbreak prevention planning meetings or information gathering sessions, please bring them to our attention immediately at predict-outbreak@ucdavis.edu so that leadership can provide guidance on how to respond to these requests.
3. Global leads, please coordinate a time for Catherine to discuss capturing engagement with health security policies with your country teams.

Participants: Marc Valitutto, Carolina Churchill, Marcy Uhart, Mindy Rostal, Christian Lange, Corina Monagin, David Wolking, Kevin Gonzalez, Kirsten Gilardi, Sarah Olson, Lucy Keatts, Woutrina Smith, Megan Doyle, Terra Kelly, Tracey Goldstein, Kevin Olival, Ava Sullivan, Emily Hagan, Allison White, Hong Ying Li, Stephanie Martinez, Alice Latinne, Emma Lane, Matthew LeBreton, Brian Bird, Chris K Johnson

Season data entry check-in

- As discussed on last call, we requested country team input to incorporate wet/dry season data into EIDITH. Thanks to everyone who provided their data already, there are just a few that at the time of our call had not been received: Malaysia, Sierra Leone
- Just a reminder, season data will be used to populate country summary tables in the risk report and are available to show sampling effort across each country. If teams plan to do more refined analyses, M&A team is happy to share more accurate rainfall and weather databased on the GPS location of sites.

Ebola outbreak preparedness

- We are getting requests from government ministries or USAID missions for planning in response to the Ebola outbreak in DRC – we wanted to have a discussion on how to handle and be proactively prepared in other PREDICT countries and check if countries have received any requests. If any PREDICT team receives requests to attend outbreak prevention planning meetings or information gathering sessions, please bring them to our attention immediately at predict-outbreak@ucdavis.edu so that leadership can provide guidance on how to respond to these requests.
 - Tanzania team and EPT partners were asked by MoH's Director of Epidemiology to assess preparedness capabilities. Though the request was just for information sharing, the TZ preemptively filled out a PREDICT outbreak form for tracking in case there are additional requests. Also, the team is stockpiling PPE and UCD is preparing a new PPE shipment.
 - USAID/FAO maintain stockpiles of PPE in Rome – recently the Ghana team requested PPE kits from the stockpile for a health event, and received them in about 2 days. In cases where PREDICT cannot mobilize supplies quickly, or will face customs delays, the FAO stockpile can be a viable option. Also, we may be able to ask for replacement PPE to recoup costs when we donate supplies.

Inclusion criteria for syndromic surveillance

- Often times, a patient may have a history of fever, but at time of sampling may not have an active fever due to having taken antifebrile medication. There was a question of whether these patients fit our inclusion criteria. Our guidance is that as long as a patient history of fever within past 4 days, they fit our inclusion criteria and we can and should sample these patients.

Deep dive – markets & guano data collection

- Markets – Karen, Matt, and Chris have developed a data collection template for the deep dive for interventions in markets in Cameroon, Indonesia, DRC, and RoC. The idea is to capture species present in markets with some data on selling price and how species are contained. Collecting individuals counts as well as price data is of interest, however both have proven difficult to collect as they fluctuate and price depends greatly on who is buying the animal products. The template has been piloted for 10 days in Cameroon and will be starting in DRC tomorrow.
- Guano collection – the initial plan is to start with barcoding guano to see if the number of species we find reflective of what we think the diversity is. Especially in caves, teams have found that there are microenvironments that will likely need more exploration. Also work to date in Cambodia, Thailand, and Myanmar has focused on sampling individuals versus focusing on guano sampling, so that will need to be addressed. We will also need to track other species interacting with that interface, as site characterization forms only track other animals present at the site at the taxa level.

Barcoding questions

- *Q: If we confirm the ID of a species against something already in GenBank on one gene, but can't confirm on the other gene, what to do.... How are these being marked in EIDITH?*
 - This is expected and we are already seeing this because for some species there is only one gene sequence available to check in GenBank. The plan for now is to create a species working group that can get together to review data every 6 months and check species that have been submitted. We will revisit next call how to mark these in EIDITH when IM team is on the call.
- *Q: How are we dealing with rounding? Using Blast on the website versus Blast search in geneious gives you different decimals.*
 - When matches are 97 and above, we can consider these confirmed. We may need to revisit and update protocol language.

Capturing engagement with health security policies

- Please let Catherine know when regular calls with country teams are happening so she can jump on a call to discuss engagement in health security policies (e.g. JEE, national action plans, disease prioritization, simulation exercises, and after-action review) and opportunities for a country case study showcasing a One Health approach.

Africa country updates; field and lab activities updates, GHSA highlights, zoonotic disease prioritization workshops, update on data entry and any hurdles/concerns, and requests for Ebola assistance

Egypt – completed testing of all samples collected up until now. Ramadan will delay activities, but will resume in mid-to late June. No request for PREDICT participation in Ebola preparedness.

Jordan – Ramadan will delay activities, but will resume in mid-to late June. No request for PREDICT participation in Ebola preparedness.

Ethiopia – Ethiopia wildlife and human surveillance is active. The Ethiopian Public Health Institute, who is linked with Ministry of Health and PREDICT project, is on alert for Ebola preparedness but have not been asked to engage in any activities as part of PREDICT.

Kenya – Wrapping up surveillance soon, will have completed 2 full years of wildlife and 1 full year of humans sampling. Will continue to focus on GHSA priorities for reporting. No request for PREDICT participation in Ebola preparedness.

Tanzania – Adding new clinic now that USAID approved starting surveillance in March. Started syndromic surveillance in rural TZ near Uganda border. Mission requested a coordinated response by the partners who support GHSA in Tanzania on preparedness and response activities for the possible Ebola outbreak in DRC.

Uganda – There was slowdown waiting for sub-awards, now back on track sampling humans and wildlife. Surveillance and testing underway. No request for PREDICT participation in Ebola preparedness meeting.

Rwanda – Sequences starting to be uploaded into EIDITH. Wildlife surveillance wrapping up and human surveillance complete; will follow up with Catherine and Billy on Rwanda JEE. No request for PREDICT participation in Ebola preparedness.

DRC – Market study will be piloted this week. Currently engaged in daily communications with PREDICT/USAID leadership on all activities in support of outbreak response.

RoC – In discussions to finalize LNSC, lab is delayed until at least July. No known Ebola requests as Anne was not on the call, but EHA will follow up.

Cameroon – Next trip may. Enrolled 18 patients in both sites.

Guinea – High level mission visit with Richard Green, PREDICT recently. Testing has begun at VHF lab with livestock samples; 2 students hired to help with behavioral questionnaire. PREDICT has regularly offered assistance as more of an everyday agreement, but there has been no request for preparedness brought up in light of recent Ebola outbreak.

Sierra Leone – Team still sampling at high rates, 250 bats a week. Major changes on country team, CC was elevated to Minister of Higher Education. Looking for new CC in June. High level meetings with ambassador, GHSA partner meetings, etc coming up.

Cote d'Ivoire – Anne and Leti there now doing training. In field through June targeting 100 animals. Clinic trained, community sampling happening too. No known Ebola requests as Anne was not on the call, but EHA will follow up.

Liberia – Continuing to sample bats and rodents and continuing human behavioral surveys. All should be updated in EIDITH for April field trip. Having issue with uploaded questionnaires, working through with EIDITH team. Partner and Missions relationship going well. Sampled bats on Missions grounds at USAID request. One Health visit from World Bank in June. No communication on Ebola with current outbreak.

Senegal – Mission visited sampling site. 2 clinics enrolling human patients, testing ongoing at both human and vet labs. Had a meeting with Health Emergency Operations Center recently, but did not mention anything about Ebola and no other request for participation in Ebola preparedness.

Ghana – Concurrent surveillance trip planned for June. No request for participation in Ebola preparedness.

From: Andrew Clements <aclements@usaid.gov>
To: Tiffany D'Mello <tdmello@usaid.gov>
CC: Carroll, Dennis(GH/HIDN) <DCarroll@usaid.gov>;Jonna Mazet <jkmazet@ucdavis.edu>;David J Wolking <djwolking@ucdavis.edu>;Tracey Goldstein <tgoldstein@ucdavis.edu>;Elizabeth Leasure <ealeasure@ucdavis.edu>;Pereira, Alisa (GH/HIDN) <apereira@usaid.gov>;Cara Chrisman <cchrisman@usaid.gov>;Amalhin Shek <ashek@usaid.gov>;Corina Grigorescu Monagin <cgmonagin@ucdavis.edu>;Predict inbox <predict@ucdavis.edu>;Cassandra Louis Duthil <clouisduthil@usaid.gov>
Sent: 6/5/2018 12:58:43 AM
Subject: Follow-up on PREDICT M&E discussion

Hi Tiffany,

Following our M&E discussion several weeks ago, I promised to follow up with PREDICT to better capture the work they are doing so that we can more-effectively tell the EPT/GHSA story.

First, because of the complexity of the PREDICT project, we have developed a single summary slide (attached) that attempts to briefly summarize what PREDICT is, what it does, and what it has achieved (and will achieve). This is intended to be used within USAID (including missions) and for external audiences (including other USG agencies). We can update the numbers every 6 months based on EIDITH.

Second, PREDICT has offered to prepare a slide set for you to have when needed and to also be available to help when you are called upon to pull something together for Richard, Dennis, or the front office so we can make sure you get the right information.

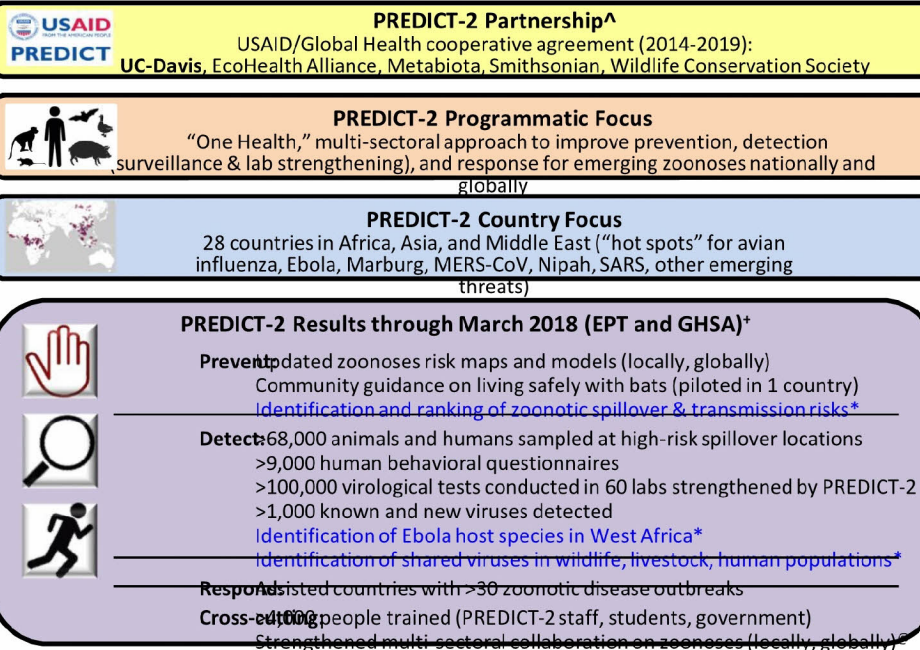
Please let me know if you have any questions.

Andrew

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



[^] For more information, see: <https://www.usaid.gov/sites/default/files/documents/1364/Predict2-factsheet.pdf> and <http://www.predict.global>. PREDICT-2 publications can be found at: <http://publications.predict.global>. * Emerging Pandemic Threats program and Global Health Security Agenda. * Planned results for September 2019. © Including with CDC, FAO, OIE, WHO, and World Bank.

From: Andrew Clements <aclements@usaid.gov>
To: Jonna Mazet <jkmazet@ucdavis.edu>; Brian Bird <bhbird@ucdavis.edu>; Christine Kreuder Johnson <ckjohnson@ucdavis.edu>; Peter Daszak <daszak@ecohealthalliance.org>; Jonathan Epstein <epstein@ecohealthalliance.org>; Kevin Olival, PhD <olival@ecohealthalliance.org>; William Karesh <Karesh@ecohealthalliance.org>
Sent: 6/5/2018 2:17:17 AM
Subject: Fwd: PRO/AH/EDR> Ebola update (26): Congo DR, border controls, bat reservoir

FYI (2nd article)

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

From: **Daniel Schar** <dschar@usaid.gov>
Date: Tue, Jun 5, 2018 at 6:50 AM
Subject: Fwd: PRO/AH/EDR> Ebola update (26): Congo DR, border controls, bat reservoir
To: Dennis Carroll <dcarroll@usaid.gov>, "Clements, Andrew (GH/HIDN)" <AClements@usaid.gov>, Ricardo Echalar <rechalar@usaid.gov>, Angela Wang <awang@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, "Chittenden, Kendra (Jakarta/Health)" <kchittenden@usaid.gov>, Amalhin Shek <ashek@usaid.gov>

FYI, buried in the ebola update below is a good piece from The Scientist on pandemic prediction, which references PREDICT and GVP.

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

From: <promed-edr@promedmail.org>
Date: Tue, Jun 5, 2018 at 5:39 AM
Subject: PRO/AH/EDR> Ebola update (26): Congo DR, border controls, bat reservoir
To: promed-post@promedmail.org, promed-edr-post@promedmail.org, promed-ahead-post@promedmail.org

EBOLA UPDATE (26): DEMOCRATIC REPUBLIC OF THE CONGO, BORDER CONTROLS, BAT RESERVOIR

A ProMED-mail post

<<http://www.promedmail.org>>

ProMED-mail is a program of the
International Society for Infectious Diseases

<<http://www.isid.org>>

In this update:

- [1] African border controls
 - Stronger Africa borders urged in wake of Ebola outbreak
 - Angola closes border with DRC
- [2] Bats - the zoonotic reservoir for Ebola?

[1] African border controls

- 4 Jun 2018. Stronger Africa borders urged in wake of Ebola outbreak

[Anadolu Agency News, edited]

<<https://www.aa.com.tr/en/africa/stronger-africa-borders-urged-in-wake-of-ebola-outbreak/1165525>>

[byline: Mustapha K Darboe]

African governments should beef up border surveillance following the recent Ebola outbreak in the Democratic Republic of Congo [DRC], the head of a regional health agency urged [on Mon 4 Jun 2017]. The Ebola outbreak is a "wake-up call on all member countries to always remain alert and prepared," Stanley Okolo, the head of the West African Health Organization (WAHO), told Anadolu Agency. WAHO is the regional agency tasked with safeguarding the health of the people within the Economic Community of West African States (ECOWAS) region. "Though the Democratic Republic of Congo is not in West Africa, you'll agree with me that we should all be concerned," Okolo added.

With a population of 350 million people, ministers of the regional 16-country bloc are currently in Banjul, Gambia's capital, to discuss health challenges facing the region. Okolo said WAHO is helping some of the countries monitor travelers at "borders who are coming in from the DRC".

Janko Jimbara, the deputy permanent secretary at Gambia's Health Ministry, also told Anadolu Agency that the small country has resumed its border surveillance mechanism in wake of the Ebola outbreak.

- 4 Jun 2018. Ebola: Government of Malanje (Angola) closes border with DRC

[Actualite.cd]

<<https://actualite.cd/2018/06/04/ebola-le-gouvernement-de-malanje-angola-ferme-la-frontiere-avec-la-rdc/>>
[in French, machine trans., edited]

The governorate of Malanje, in northern Angola, has decided to close the 140 km [approx. 87 mi] border with the DRC to avoid the Ebola epidemic in the Congolese province of Equateur.

Angolan authorities say they fear the epidemic will affect the province of 900 000 people. Particular emphasis is placed on the municipalities of Marimba and Massango.

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communicated by:

ProMED-mail rapporteur Mary Marshall

[2] Bats - the zoonotic reservoir for Ebola?

- 1 Jun 2018. Predicting Future Zoonotic Disease Outbreaks

[The Scientist, edited]

<<https://www.the-scientist.com/?articles.view/articleNo/54660/title/Predicting-Future-Zoonotic-Disease-Outbreaks/>>

[byline: Ashley Yeager]

Down a dirt path outside of the village of Meliandou in Guinea once stood a tall, hollow tree where children used to play. Not any more. This tree, now notorious as the potential starting point of the deadly Ebola outbreak that ripped through West Africa a few years ago, was burned after the disease sickened and killed hundreds of people over a 4 month period. More than 10 000 ultimately succumbed to the disease

between 2014 and 2016.

In April 2014, just a few months after the outbreak began, epidemiologist Fabian Leendertz of the Robert Koch Institute in Berlin and his colleagues went on a month-long expedition in southeastern Guinea to identify the source of the epidemic, which was suspected to have jumped from animals to humans. Fairly quickly, the team ruled out apes and other large animals as the zoonotic host for this Ebola outbreak. Numbers of grazing animals in West Africa appeared unaffected, and great ape populations may have actually increased, as the outbreak raced through Guinea, Sierra Leone, and Liberia.

Another possibility that Leendertz and his team considered was bats. Local children commonly hunted the flying mammals, the scientists learned. In time, Meliandou villagers told Leendertz and his colleagues about the tree. Children had been seen catching bats in its hollow trunk. The villagers led the scientists down the dusty path to show them what was left of it, describing how the sky "rained" bats as the tree became engulfed in flames. Sure enough, when Leendertz's team collected soil samples from below the tree's charred trunk, the researchers recovered DNA that belonged to *Mops condylurus*, an insectivorous bat species (1).

The evidence seemed to point to bats as the source of Ebola, Leendertz says. A 2 year old considered to have been patient zero in the outbreak, died a few days after contracting a fever, and probably got infected with the virus while playing with bats in the tree, he adds, "but we have no scientific proof." Indeed, the ultimate source of the outbreak remains a mystery -- as is the case for many so-called zoonotic diseases.

More than 6 out of 10 known infectious diseases and 3 out of 4 new or emerging infectious diseases are spread to humans from other animals, including livestock and wildlife, according to estimates published by the US Centers for Disease Control and Prevention (CDC). Public health officials and scientists from many disciplines have been working together to understand how, when, where, and why pathogens spill over into humans, in hopes of preventing future epidemics. Key to these efforts are surveillance programs that aim to spot outbreaks early and respond quickly. Scientists are also scouring wildlife populations to identify undiscovered pathogens that could cause future zoonotic disease outbreaks.

Other researchers are working to identify biological factors that affect the probability of interspecies pathogen leaps, such as the immunological response of infected animals and the pathways of human exposure, efforts that could help scientists predict when and possibly where future zoonotic outbreaks might occur. By mapping the distribution of mammal species that host zoonotic pathogens, for example, disease ecologist Barbara Han of the Cary Institute of Ecosystem Studies in Millbrook, New York, and her colleagues have been working to identify regional hotspots at the greatest risk for spillover. "Everyone wants to know how well we can do in terms of

prediction with zoonotic diseases, probably more so now after Ebola and Zika," Han tells The Scientist.

But even with a growing understanding of how species leaps happen, along with new data pointing to regions where spillover might occur, precise outbreak predictions aren't guaranteed. Some scientists say that such pinpoint prediction isn't even possible.

Searching for reservoirs

When hunting for the source of a zoonotic disease outbreak, scientists first work to identify the species that harbor that particular pathogen. These species are called reservoirs. Half of all carnivores are reservoirs of zoonotic disease, as well as some 20 per cent of nonhuman primates and roughly 10 per cent of rodent and bat species.

For many zoonotic pathogens, the main nonhuman reservoirs are relatively well known: dogs, foxes, bats, and cats for rabies; rodents for Lassa and hantaviruses; bats for Hendra and Marburg virus; and ticks, sheep, deer, rodents, and other small mammals for *Borrelia burgdorferi*, the bacterium that causes Lyme disease. For other pathogens, however, identifying the reservoirs has been more challenging, Leendertz says. And if scientists can't find them, it's hard to devise public health policies to prevent human infection.

There have been hints that Ebola virus lurks in populations of large African wildlife, with an ongoing epidemic possibly circulating in great apes and other animals such as forest antelope in the Democratic Republic of the Congo (DRC), the Congo, Gabon, and perhaps elsewhere. Before the outbreak of Ebola in the Congo in the early 2000s, researchers documented a die-off in great apes. There was also an outbreak of the virus recorded in chimpanzees in Taï National Park in Ivory Coast. So before their recent expedition, Leendertz and his colleagues thought maybe humans had contracted Ebola in the latest outbreak from eating infected bushmeat, specifically, larger animals such as antelopes and apes. "People going into the forest have a higher likelihood to find more dead animals," which they often take home and eat, Leendertz says.

But almost as soon as Leendertz arrived in Guinea, he realized the "large wildlife" hypothesis didn't hold water: the ape populations in the forests of southern Guinea didn't appear to be declining. In addition, the region around Meliandou is forest-free. "It's just flat fields," Leendertz says. "It is a long way to reach the 1st forest where you could expect larger wildlife ... too far to have any likelihood of fresh bushmeat arriving in the village," he explains. "The large wildlife hypothesis could quite clearly be excluded." Then the scientists learned about the bat-filled tree that stood just 50 meters from Meliandou.

The idea that insectivorous bats could be a reservoir for Ebola isn't far-fetched. Bats are particularly notorious for carrying zoonotic diseases, with more associated viruses than any other mammalian

species. And researchers have successfully linked Ebola's relative, Marburg virus, to a bat reservoir. In 2007, researchers isolated Marburg virus from Egyptian fruit bats (*Rousettus aegyptiacus*) living in a DRC gold mine near where 154 individuals, most of them miners, had been infected (2). Five years later, another set of scientists found that in Python Cave, a popular attraction in Uganda's Queen Elizabeth National Park, roughly 2.5 percent of the well-studied *R. aegyptiacus* colony was actively infected with Marburg virus at any given time (3).

In the early 2000s, Eric Leroy of the International Center for Medical Research in Gabon and his colleagues set out to identify Ebola's reservoir. They collected and screened blood and tissue samples from more than 1000 bats, birds, and rodents in Gabon and the Congo for traces of Ebola and found viral RNA fragments and antibodies against the virus in 3 bat species (fruit bats, not insectivores, in this case). However, the viral load -- the quantity of the virus in the blood and tissue of each bat -- was too low to isolate and replicate the virus, so the team couldn't definitively say that the bats were the reservoir of Ebola (4). More than 10 years later, researchers still don't know which species carry the virus, Leendertz says. "We are truly still fishing in the dark."

Even when researchers successfully identify one possible reservoir of a zoonotic disease, that doesn't mean there aren't more. Since 1976, scientists have considered the Natal multimammate mouse (often called the African soft-furred rat) to be the sole reservoir of Lassa virus, which causes a sometimes fatal illness characterized by fever, headaches, vomiting, muscle pains, and potentially permanent hearing loss. "People get infected when the rodents come into houses and raid grain supplies," explains Raina Plowright, an infectious disease ecologist and wildlife veterinarian at Montana State University. The mice leave virus-infected urine or feces in the house and people contract the pathogen when they touch the excrement or inhale virus particles lingering in the air. But even as many individuals heed public health directives to store food in rodent-proof containers and take out the trash, the virus "spills over and kills thousands of people every year in West Africa," Plowright says, suggesting there may be other reservoirs that transmit the virus, possibly in different ways.

Indeed, in 2016 Elisabeth Fichet-Calvet of the Bernhard Nocht Institute for Tropical Medicine in Germany and her colleagues published findings showing that the African wood mouse (*Hylomyscus pamfi*) in Nigeria and the Guinea multimammate mouse (*Mastomys erythroleucus*) in both Nigeria and Guinea also carry the Lassa virus (5). *H. pamfi* prefers the woods over fields, *M. natalensis*'s preferred habitat, and therefore the details of transmission to humans might differ, Fichet-Calvet and her colleagues note in their paper.

There have been hints that Ebola virus lurks in populations of large African wildlife, with an ongoing epidemic possibly circulating in great apes and other animals such as forest antelope in the Democratic

Republic of the Congo (DRC), the Congo, Gabon, and perhaps elsewhere. Before the outbreak of Ebola in the Congo in the early 2000s, researchers documented a die-off in great apes. There was also an outbreak of the virus recorded in chimpanzees in Taï National Park in Ivory Coast. So before their recent expedition, Leendertz and his colleagues thought maybe humans had contracted Ebola in the latest outbreak from eating infected bushmeat, specifically, larger animals such as antelopes and apes.

"It's just amazing that something that's such a huge burden on health ... we know so little about," Plowright says.

Genetics, ecology, and other factors

In addition to some contact with a reservoir species -- for example, via its meat, excrement, saliva, or blood -- for zoonotic diseases to spill over into humans, the pathogen must be a generalist. "With exposure comes the chance an animal virus will jump to humans," says Edward Holmes, an evolutionary biologist and virologist at the University of Sydney in Australia. "Then, it's a question of whether that virus can infect human cells, and whether it can replicate to sufficient levels and have a route of transmission to the next host." The same is true for nonviral zoonoses.

Being capable of infecting many different host species gives zoonotic pathogens a higher chance of survival. With a variety of hosts and environments to explore, bacteria, viruses, and other infectious agents can invade new niches. This concept helps explain why zoonotic pathogens leap from animal to animal before jumping to humans, as in the case of Hendra virus, which lurks in bats, is then transmitted to horses, and then to humans. But for that transmission to be successful, the virus has to replicate to levels that cause infection in each of the animals involved. And what allows that to happen isn't well understood.

Host immunity is likely one factor affecting susceptibility to infection and the likelihood of carrying a pathogen for long enough to transmit it to others; and researchers have documented immune differences among species. Humans infected with immunodeficiency virus (HIV), for example, tend to have greater proliferation of T cells than sooty mangabeys chronically infected with the related simian immunodeficiency virus (SIV). HIV-infected people also have a higher expression of genes activated by cell-signaling proteins called interferons than monkeys with SIV (6,7). The muted immune response in monkeys may prevent death of infected cells, allowing the virus to stay in the body and continue to replicate, and therefore have a chance to jump to a new host without the monkey succumbing to infection.

Researchers have also seen similar differences between monkeys that develop acquired immunodeficiency syndrome and those that don't (8). "The innate immune response is different," immunologist Judith Mandl of McGill University in Montreal tells The Scientist. Monkeys that

develop AIDS produce more interferons and continue to produce them as the infection lingers, but monkeys that don't develop AIDS somehow shut down the interferon response. "That first response to infection sets the scene for what happens after," Mandl says -- though scientists don't yet understand what causes this difference in the 1st place.

Tools for studying the immune responses of animals other than humans, apes, and mice are limited, but researchers are now beginning to probe these factors in other potential reservoir species. For example, interferons may also play a role in bats' incredible tolerance to viral infection: specifically, a mutation in the stimulator of interferon genes (STING), a signaling molecule that detects DNA floating in the cell cytoplasm. When STING senses free DNA in other mammals, the body generates interferons that spur an immune response to infection. But in bats, the mutation dampens interferon signaling and the consequent immune response to infection. And rodents appear to be able to tolerate hantavirus thanks to regulatory T cells that reduce effector T-cell response to the infection as it progresses, allowing the virus to persist. As a result, the virus continues to circulate in the body until an opportunity arises to move to another host, potentially humans.

Ecological factors offer other insights into the risk of zoonotic spillover. In the case of Hendra, for example, 20 years of data suggest that sudden shifts from long, dry spells to sudden wet ones can increase the prevalence of the virus in flying foxes (bats of the genus *Pteropus*). In a shift from dry to wet conditions, eucalyptus and gum trees, which produce flowers that bats feed on, suddenly put all of their energy into growth rather than reproduction. Fewer flowers means less nectar for bats. Facing starvation, the bats will search for food around farms and other places with livestock and humans, all while excreting the virus at high levels (9). Horses then contract the virus and spread it to humans. "Anecdotally, veterinarians have said there's Hendra when it's raining," Plowright says.

Tracking bats' behavior is lending weight to this idea. In recent years, for example, the north eastern Australian coast faced a long, dry El Niño that then changed to a wetter La Niña. In 2017, when Plowright and her colleagues were in Australia to track Hendra, the bats "were emaciated, just starving, and they were abandoning their young," she says. "And we thought, 'Well, we think we're going to have a Hendra event,' and we had a Hendra event."

Sighting future outbreaks

A primary goal of zoonotic disease prediction is identifying where the next big outbreak will occur. But such prediction requires data, which the Cary Institute's Han and her colleagues found to be lacking. "If we're going to be able to predict anything, anything in any market -- weather or stock prices or real estate, anything like that -- you need a background level of information," Han says. For animal-borne

diseases, "there was no baseline of where these things lived, and which species carried what, and so we realized we just needed to map everything," she says.

Combining data on species diversity and zoonotic disease hosts, she and her colleagues identified the tropics, specifically South America and Eastern Africa, and some parts of Europe and the subarctic as hotspots for zoonotic disease outbreak (10). "One of the things that really jumped out to me was this pattern of where the carnivores are located," Han says. "There's lots of arctic carnivores [including foxes, wolves, and polar bears] and ... we noticed that they carried more diseases than we would expect." With climate change, the speed at which warming is happening in the Arctic is faster than elsewhere, and changes to the environment would bring changes to the disease dynamics there. "What's going to happen when things thaw out, and humans start to make better use of that land that's accessible since there's no permafrost? That whole system is going to be really interesting to keep an eye on," she says.

On a more local scale, understanding the factors that affect transmission could help scientists prevent outbreaks. In Kenya, for example, researchers have tied Rift Valley Fever with El Niño rainfall. The disease is caused by a virus that can infect livestock, which can then pass the pathogen on to humans. Mosquitoes, which rely on moisture to reproduce, prey on both livestock and humans and can also transmit the virus between species. In the past few years, researchers, veterinarians, and farmers have worked together to build a surveillance network to report symptoms of the virus in farm animals. Reports of miscarriages and hemorrhagic disease among livestock were highest in months with the highest rainfall, Harry Oyas of the Kenya Ministry of Agriculture and his colleagues wrote in April [2018] in *PLOS Neglected Tropical Diseases* (11). The early warning system developed in Kenya could prevent spillover of the Rift Valley Fever virus into humans, the authors say.

The program in Kenya is one of many monitoring programs developing around the world. In addition, researchers have launched several surveillance initiatives to detect and discover pathogens that have the potential to cause pandemics. A few of these projects, such as the University of California, Davis-based PREDICT program, have been capturing and testing zoonotic disease reservoir species to identify the pathogens they carry and determine their likelihood of jumping to humans. Some such efforts are focusing on known threats, such as MERS, SARS, and Nipah virus, but there are also pathogens that could have zoonotic potential that haven't yet been identified.

Focusing on viruses, which have caused devastating epidemics in the last few decades, a team of researchers recently analyzed virus-host interactions, the history of viral zoonoses, and patterns of viral emergence, estimating that 631 000 to 827 000 unidentified viruses exist that have zoonotic potential (12). As a preemptive strike, the researchers have built on the PREDICT model and developed the estimated 1 billion USD Global Virome Project, which will collect

blood samples from rodents, nonhuman primates, bats, and other wildlife to discover the majority of unknown viruses, with the aim of predicting the next pandemic -- before it hits humans.

Not everyone is on board with the idea of predicting zoonotic disease outbreaks, however. The whole idea of pandemic prediction is "foolish," Holmes tells *The Scientist* by email. "There are no generalities that can be used to make accurate predictions," he says. Just because "you see a virus in animals does not mean it will spread in humans." Rather than trying to predict the future, he supports "real-time proactive surveillance of the human-animal interface to see what we're being exposed to." Then, he says, with a globally coordinated response and research network, any emerging infection "can be stamped out quickly."

References

1. Mari Saéz A, Weiss S, Nowak K, et al. Investigating the zoonotic origin of the West African Ebola epidemic. *EMBO Mol Med*. 2015;7(1):17-23. doi: 10.15252/emmm.201404792, available at <<http://embomolmed.embopress.org/content/7/1/17.long>>.
2. Swanepoel R, Smit SB, Rollin PE, et al. Studies of reservoir hosts for Marburg virus. *Emerg Infect Dis*. 2007;13(12):1847-51. doi: 10.3201/eid1312.071115, available at <https://wwwnc.cdc.gov/eid/article/13/12/07-1115_article>.
3. Amman BR, Carroll SA, Reed ZD, et al. Seasonal pulses of Marburg virus circulation in juvenile *Rousettus aegyptiacus* bats coincide with periods of increased risk of human infection. *PLoS Pathog*. 2012;8(10):e1002877. doi: 10.1371/journal.ppat.1002877. Epub 2012, available at <<http://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1002877>>.
4. Leroy EM, Kumulungui B, Pourrut X et al. Fruit bats as reservoirs of Ebola virus. *Nature*, 438:575-76, 2005, abstract available at <<https://www.nature.com/articles/438575a>>.
5. Olayemi A, Cadar D, Magassouba N et al. New hosts of the Lassa virus. *Sci Rep*. 2016;6:25280. doi: 10.1038/srep25280, available at <<https://www.nature.com/articles/srep25280>>.
6. Kaur A, Grant RM, Means RE, McClure H, Feinberg M, Johnson RP. Diverse host responses and outcomes following simian immunodeficiency virus SIVmac239 infection in sooty mangabeys and rhesus macaques. *J Virol*. 1998;72(12):9597-611, available at <<http://jvi.asm.org/content/72/12/9597.long>>.
7. Moir S, Chun TW, Fauci AS Pathogenic mechanisms of HIV disease. *Annu Rev Pathol*. 2011;6:223-48, doi: 10.1146/annurev-pathol-011110-130254, abstract available at <<https://www.annualreviews.org/doi/pdf/10.1146/annurev-pathol-011110-130254>>.
8. Jacquelin B, Mayau V, Targat B, et al. Nonpathogenic SIV infection of African green monkeys induces a strong but rapidly controlled type I IFN response. *J Clin Invest*. 2009;119(12):3544-55. doi: 10.1172/JCI40093, available at <<https://www.jci.org/articles/view/40093>>.
9. Plowright RK, Field HE, Smith C, et al. Reproduction and nutritional stress are risk factors for Hendra virus infection in little red flying foxes (*Pteropus scapulatus*). *Proc R Soc B*.

2008;275:861-69, available at

<<http://rspb.royalsocietypublishing.org/content/275/1636/861.long>>.

10. Han BA, Kramer AM, Drake JM. Global patterns of zoonotic disease in mammals. *Trends Parasitol.* 2016;32(7):565-577. doi:

10.1016/j.pt.2016.04.007, abstract available at

<[https://www.cell.com/trends/parasitology/fulltext/S1471-4922\(16\)30010-1](https://www.cell.com/trends/parasitology/fulltext/S1471-4922(16)30010-1)>.

11. Oyas H, Holmstrom L, Kemunto NP, et al. Enhanced surveillance for Rift Valley Fever in livestock during El Niño rains and threat of RVF outbreak, Kenya, 2015-2016. *PLoS Negl Trop Dis.* 2018;12:e0006353, available at

<<http://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0006353>>.

12. Carroll D, Daszak P, Wolfe ND, et al. The global virome project.

Science 2018;359(6378):872-874. doi: 10.1126/science.aap7463, abstract available at

<<http://science.sciencemag.org/content/359/6378/872.long>>.

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[Over the last several days of these Ebola updates, we have covered certain plans for border screening of DRC residents by other countries, including Uganda and Nigeria. The head of the West African Health Organization (WAHO) is urging member countries to step up their border surveillance procedures, and Angola has closed the border between its Malanje province and the DRC [part 1]. The latter is admittedly a brief announcement, but it is not clear to me why the Malanje border is being closed, when there are several other provinces in northern and northeastern Angola that also border the DRC.

Much of the world's attention is of course presently on the question of where the current DRC Ebola outbreak could go. But at some point it is also worth asking, how is the outbreak originally begin? Most Ebola outbreaks (the 2014-2015 West African epidemic being an exception) have been linked to the consumption of bushmeat, a subject we are likely to hear more about in due course. However, what is the ultimate zoonotic reservoir of the Ebola virus? thorough and well-written article from *The New Scientist* [part 2] presents the evidence for bats, in particular insectivorous bats, as the zoonotic reservoir for Ebola. - Mod.LXL

HealthMap/ProMED-mail map of DR Congo:

<<http://healthmap.org/promed/p/194>>.]

[See Also:

Ebola update (25): Congo DR, case update, intl. travel screening

<http://promedmail.org/post/20180603.5836552>

Ebola update (24): Congo DR, case update, African aid response

<http://promedmail.org/post/20180602.5835414>

Ebola update (23): Congo DR, cases, vacc. campaign targets, vaccine

development <http://promedmail.org/post/20180601.5834040>

Ebola update (22): Congo DR, cases, cures, domestic and international

travel <http://promedmail.org/post/20180531.5831747>
Ebola update (21): Congo DR, update, WHO, vaccination, therapeutics
<http://promedmail.org/post/20180530.5829192>
Ebola update (20): Congo DR, case update, lessons, logistics,
financing, flights <http://promedmail.org/post/20180529.5824985>
Ebola update (19): Congo DR, case update
<http://promedmail.org/post/20180528.5822466>
Ebola update (18): cases, Uganda NOT, Congo DR vaccination campaign
<http://promedmail.org/post/20180527.5821927>
Ebola update (17): case update, public fears, government responses
<http://promedmail.org/post/20180526.5820606>
Ebola update (16): cases, Congo DR cultural factors, vaccine impl.,
case terminology <http://promedmail.org/post/20180525.5817907>
Ebola update (15): case update, quarantine breaches, border controls,
vaccine <http://promedmail.org/post/20180524.5816349>
Ebola update (14): case update, response, prediction, maps
<http://promedmail.org/post/20180523.5812835>
Ebola update (13): case update, prevention
<http://promedmail.org/post/20180521.5809540>
Ebola update (12): update, USA, response
<http://promedmail.org/post/20180520.5806396>
Ebola update (11): WHO, vaccination, response
<http://promedmail.org/post/20180519.5805133>
Ebola update (10): urban case Congo DR, response, support
<http://promedmail.org/post/20180517.5801917>
Ebola update (09): update, alerts, prevention
<http://promedmail.org/post/20180516.5799567>
Ebola update (08): summary, emergency plan, vaccine, roads
<http://promedmail.org/post/20180515.5797415>
Ebola update (07): Congo DR, nurse, Uganda susp, WHO, border, vaccine
<http://promedmail.org/post/20180513.5795881>
Ebola update (06): Congo DR, susp, RFI, vulnerability, response,
control <http://promedmail.org/post/20180512.5794300>
Ebola update (05): Congo DR, outbreak update, vaccine, preparedness,
research <http://promedmail.org/post/20180511.5792856>
Ebola update (04): Nigeria, Kenya, Congo DR (ET), WHO
<http://promedmail.org/post/20180510.5791247>
Ebola update (03): Congo DR (ET), WHO
<http://promedmail.org/post/20180509.5790577>
Ebola update (02): Congo DR (ET)
<http://promedmail.org/post/20180508.5789723>

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Andrew Clements, Ph.D.
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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: "Tiffany D'mello" <tdmello@usaid.gov>
Sent: Tue, 5 Jun 2018 11:24:09 -0400
Subject: Re: Follow-up on PREDICT M&E discussion
To: Andrew Clements <aclements@usaid.gov>
Cc: "Carroll, Dennis(GH/HIDN)" <DCarroll@usaid.gov>, Jonna Mazet <jkmazet@ucdavis.edu>, David J Wolking <djwolking@ucdavis.edu>, Tracey Goldstein <tgoldstein@ucdavis.edu>, Elizabeth Leasure <ealeasure@ucdavis.edu>, "Pereira, Alisa (GH/HIDN)" <apereira@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, Amalhin Shek <ashek@usaid.gov>, Corina Grigorescu Monagin <cgrigorescu@ucdavis.edu>, Predict inbox <predict@ucdavis.edu>, Cassandra Louis Duthil <clouisduthil@usaid.gov>

Fantastic, thank you all very much!
Tiffany

On Jun 5, 2018, at 3:58 AM, Andrew Clements <aclements@usaid.gov> wrote:

Hi Tiffany,

Following our M&E discussion several weeks ago, I promised to follow up with PREDICT to better capture the work they are doing so that we can more-effectively tell the EPT/GHSA story.

First, because of the complexity of the PREDICT project, we have developed a single summary slide (attached) that attempts to briefly summarize what PREDICT is, what it does, and what it has achieved (and will achieve). This is intended to be used within USAID (including missions) and for external audiences (including other USG agencies). We can update the numbers every 6 months based on EIDITH.

Second, PREDICT has offered to prepare a slide set for you to have when needed and to also be available to help when you are called upon to pull something together for Richard, Dennis, or the front office so we can make sure you get the right information.

Please let me know if you have any questions.

Andrew

--

Andrew Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
U.S. Agency for International Development
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For more information on USAID's Emerging Pandemic Threats program, see: <http://www.usaid.gov/ept2>

<USAID PREDICT-2 summary slide (6-5-18).pptx>

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Beth Edison <bedison@metabiota.com>, Molly Turner <turner@ecohealthalliance.org>, Ava Sullivan <sullivan@ecohealthalliance.org>, "Churchill, Carolina" <cchurchill@wcs.org>, "Walker, Alicia S." <WalkerAS@si.edu>, "Ali, Shareif" <sa3045@cumc.columbia.edu>
Cc: Karen Saylors <ksaylors@metabiota.com>, Eddy Rubin <erubin@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Amanda Fine <[REDACTED]>, "Zimmerman, Dawn" <ZimmermanD@si.edu>, "Murray, Suzan" <MurrayS@si.edu>, Simon Anthony <sja2127@columbia.edu>, "predict@ucdavis.edu" <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Hannah R Chale <hrchale@UCDAVIS.EDU>, David John Wolking <djwolking@ucdavis.edu>
Subject: Protecting Life in Global Health Assistance (PREDICT)
Sent: Tue, 26 Jun 2018 23:35:31 +0000
[A15-0146-S002 MOD 9 FE.pdf](#)

Dear PREDICT Partners:

On 30 November 2017, USAID issued Modification 09 to PREDICT Cooperative Agreement AID-OAA-A-14-00102. This modification inserted provision RAA24 "Protecting Life in Global Health Assistance" (attached here for your reference) into our prime agreement and requires us to flow-down the provision in its entirety to all of our subrecipients (at all levels), even if the provision does not apply to a particular subrecipient (details on this are below).

Over the last few months, we have been in the process of adding this new provision to your subawards, and while many of you should have had the provision added to your subaward by now, some amendments are still pending and should be received very soon. Please note that your organization must flow-down provision RAA24 "Protecting Life in Global Health Assistance" to all of your subrecipients. This is mandatory, regardless of applicability. Also note that verbatim flow-down of the full provision is required (even though it includes language for both foreign NGOs and U.S. NGOs) because some foreign NGOs may subaward to U.S. NGOs. USAID intends to translate the provision into multiple languages and make the translations available for insertion into awards/subawards, so please let us know if you need a translation so we can follow up with the appropriate parties at USAID.

Please see below a brief summarization of key points pertaining to the applicability and implementation of RAA24 "Protecting Life in Global Health Assistance":

US organizations are **not** subject to the conditions of the policy, but we are required to flow-down the provision language to our subrecipients (U.S. and foreign).

Policy conditions apply to foreign NGOs only.

Policy does not apply to the purchase of goods or services from an organization (so there is no flow-down requirement to subcontracts).

Flow-down language requires that subrecipients agree that they will not, during the term of the award, perform or actively promote abortion as a method of family planning in foreign countries or provide financial support to any other foreign NGO that conducts such activities. It is an **organizational** commitment, so the restriction would apply to ANY activities of the organization, not just those related or relevant to our project.

Foreign governmental subrecipients (including parastatals) that conduct abortion activities can continue to receive health assistance funding as long as assistance funds are not used to support the abortion activities and USG funds are placed in a separate account.

At present, we do not foresee this provision causing issues or conflicting with our current projects and programs, but please read the provision thoroughly and contact us if you anticipate any issues or if you have questions or need clarification on any part of the provision and its implementation. If any subrecipient organization cannot accept the terms of this provision or makes you aware of any potential conflicts, please let us know so we may address them accordingly.

Please do not hesitate to contact us for any questions or guidance in relation to this policy. Thank you so much for your cooperation, understanding, and flexibility through these changes.

Thanks!
Liz

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

MODIFICATION OF ASSISTANCE AWARD			Page 1 of 10
1. MODIFICATION NUMBER: 09	2. EFFECTIVE DATE OF MODIFICATION: See Block 15	3. AWARD NUMBER: AID-OAA-A-14-00102	4. EFFECTIVE DATE OF AWARD: 10/01/2014
5. RECIPIENT: University of California, Davis School of Veterinary Medicine, 1850 Research Park Dr. Davis, CA 95618 DUNS No.: 04-712-0084 TIN No.: 94-6036494 LOC: 29B8P		6. ADMINISTERED BY: U.S. Agency for International Development Office of Acquisition and Assistance M/OAA/GH/HIDN 1300 Pennsylvania Ave., NW SA-44, 549 Washington, DC 20532-7900	
7. FISCAL DATA: Amount Obligated: \$2,582,500.00 Detail: See page 2		8. TECHNICAL OFFICE: USAID/GH/HIDN	
		9. PAYMENT OFFICE: U.S. Agency for International Development M/FM/CMP/LOC loc@usaid.gov	
10. FUNDING SUMMARY:		<u>Obligated Amount</u>	<u>Total Est. Amount</u>
Amount Obligated prior to this Modification:		\$ 96,900,000.00	\$100,000,000.00
Change made by this Modification:		\$ 2,582,500.00	\$ 0.00
New/Current Total:		\$ 99,582,500.00	\$100,000,000.00
11. DESCRIPTION OF MODIFICATION:			
The purpose of this modification is to:			
<ol style="list-style-type: none"> 1. to provide incremental funding in the amount of \$2,582,500.00 increasing the total obligated amount from \$97,000,000.00 to \$99,582,500.00 with \$417,500.00 remaining to be obligated against the total estimated cost of \$100,000,000.00. 2. to insert the Protecting Life in Global Health Assistance provision into Attachment D section RAA24.. 			
(See continuation pages)			
12. THIS MODIFICATION IS ENTERED INTO PURSUANT TO THE AUTHORITY OF THE FOREIGN ASSISTANCE ACT OF 1961, AS AMENDED. EXCEPT AS SPECIFICALLY AMENDED HEREIN, ALL TERMS AND CONDITIONS OF THE AWARD REFERENCED ON BLOCK #3 ABOVE, AS IT MAY HAVE HERETOFORE BEEN AMENDED, REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.			
13. RECIPIENT	<input checked="" type="checkbox"/> IS	<input type="checkbox"/> IS NOT REQUIRED TO SIGN THIS DOCUMENT TO RECONFIRM ITS AGREEMENT WITH THE CHANGES EFFECTED HEREIN.	
14. RECIPIENT:		15. THE UNITED STATES OF AMERICA U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT	
BY: 		BY: 	
Ahmad Waktari, Ph.D., J.D. TITLE: Executive Director, Research Administration		Ryland C. Marbray (Name Typed or Printed)	
DATE: 11/30/2017		Agreement Officer	
		DATE: 11/30/2017	

The Cooperative Agreement is modified as follows:

1) On the **COVER PAGE – A. GENERAL:**

- On Line 1., “Amount Obligated this Action”, DELETE the amount of “\$100,000.00” and REPLACE with “\$2,582,500.00”.
- On Line 3., “Total Obligated USAID Amount”, DELETE the amount of “\$97,000,000.00” and REPLACE with “\$97,000,000.00”.

2) On the **COVER PAGE – B. SPECIFIC**, add the following:

Account ID	Accounting Template	BBFY	EBFY	Fund	OP	Prog Area	Dist Code	Prog Elem	BGA	OP Def	SOC	Funded Amount
25	GH-HN Program Funds	2017	2018	GH-C-AI	GH/ID	HL.4	936-4002	(none)	997	(None)	4100201	\$2,582,500.00

Amount Obligated this Action: \$ 2,582,500.00
 Total Estimated USAID Amount: \$100,000,000.00
 Total Obligated USAID Amount: \$ 99,582,500.00
 Amount Remaining to be Obligated: \$ 417,500.00

- 3) In **ATTACHMENT A – SCHEDULE, A.3 AMOUNT OF AWARD AND PAYMENT**, paragraph 2., DELETE “USAID hereby obligates the amount of \$97,000,000.00 for program expenditures during the period set forth in A.2 above.” and REPLACE with “USAID hereby obligates the amount of \$99,582,500.00 for program expenditures during the period set forth in A.2 above.”

Add Protecting Life in Global Health Assistance provision to section D as follows.

RAA24. PROTECTING LIFE IN GLOBAL HEALTH ASSISTANCE (MAY 2017)

- i. Ineligibility of Foreign Non-governmental Organizations that Perform or Actively Promote Abortion as a Method of Family Planning.

This provision is in two parts: I, applicable to foreign non-governmental organizations; and II, applicable to U.S. non-governmental organizations. Both part I and part II should be included in awards.

I. Grants and Cooperative Agreements with Foreign Non-governmental Organizations

(1) The recipient agrees that it will not, during the term of this award, perform or actively promote abortion as a method of family planning in foreign countries or provide financial support to any other foreign non-governmental organization that conducts such activities. For purposes of this paragraph (a), a foreign nongovernmental organization is a for-profit or not-for-profit non-governmental organization that is not organized under the laws of the United States, any State of the United States, the District of Columbia, or the Commonwealth of Puerto Rico, or any other territory or possession of the United States.

(2) The recipient agrees that authorized representatives of USAID may, at any reasonable time, announced or unannounced, consistent with 2 CFR Part 200: (i) inspect the documents and materials maintained or prepared by the recipient in the usual course of its operations that describe the health activities of the recipient, including reports, brochures, and service statistics; (ii) observe the health activities conducted by the recipient; (iii) consult with healthcare personnel of the recipient; and (iv) obtain a copy of audited financial statements or reports of the recipient, as applicable.

(3) In the event USAID has reasonable cause to believe that the recipient may have violated its undertaking not to perform or actively promote abortion as a method of family planning, the recipient must make available to USAID such books and records and other information as USAID may reasonably request to determine whether a violation of that undertaking has occurred, consistent with 2 CFR Part 200.

(4) Health assistance furnished to the recipient under this award must be terminated if the recipient violates any undertaking required by this paragraph (a), and the recipient must refund to USAID any unexpended amounts furnished to the recipient under this award, plus an amount equivalent to that used by the recipient to perform or actively promote abortion as a method of family planning while receiving funding under this award. The amount to be refunded to USAID under this subparagraph (4) may not exceed the total amount of health assistance furnished under this award.

(5) The recipient may not furnish health assistance under this award to another foreign non-governmental organization (the subrecipient) unless: (i) subrecipient agrees, by entering into such subaward, that it does not perform or actively promote abortion as a method of family planning in foreign countries and will not provide financial support to any other foreign non-governmental organization that conducts such activities; and (ii) such foreign non-governmental organization's agreement contains the same terms and conditions as described in subparagraph (6) below.

(6) Prior to entering into an agreement to furnish health assistance to a foreign non-governmental organization under this award, the recipient must ensure that such agreement with the subrecipient includes the following terms:

(i) The subrecipient will not, while receiving assistance under this award, perform or actively promote abortion as a method of family planning in foreign countries or provide financial support to other foreign non-governmental organizations that conduct such activities;

(ii) The recipient and authorized representatives of USAID may, at any reasonable time, announced or unannounced, consistent with 2 CFR Part 200: (A) inspect the documents and materials maintained or prepared by the subrecipient in the usual course of its operations that describe the health activities of the subrecipient, including reports, brochures, and service statistics; (B) observe health activities conducted by the subrecipient; (C) consult with healthcare personnel of the subrecipient; and (D) obtain a copy of audited financial statements or reports of the subrecipient, as applicable;

(iii) In the event that the recipient or USAID has reasonable cause to believe that a subrecipient may have violated its undertaking not to perform or actively promote abortion as a method of family planning, the recipient will review the health program of the subrecipient to determine whether a violation of such undertaking has occurred. The subrecipient must make available to the recipient such books and records and other information as may be reasonably requested to conduct the review. USAID may review the health program of the subrecipient under these circumstances, and the subrecipient must provide access on a timely basis to USAID to such books and records and other information upon request, consistent with 2 CFR Part 200;

(iv) Health assistance provided to the subrecipient under this award must be terminated if the subrecipient violates any award terms under subparagraphs (6)(i)-(iii), above, and the subrecipient must refund to the recipient any unexpended amounts furnished to the subrecipient under this award, plus an amount equivalent to that used by the subrecipient to perform or actively promote abortion as a method of family planning while receiving funding under this award, up to the total amount of health assistance furnished to the subrecipient under this award; and

(v) The subrecipient may furnish health assistance under this award to another foreign non-governmental organization only if: (A) such foreign nongovernmental organization agrees, by entering into such agreement, that it will not perform or actively promote abortion as a method of family planning in foreign countries and will not provide financial support to any other foreign non-governmental organization that conducts such activities, and (B) such foreign non-governmental organization's agreement contains the same terms and conditions as those provided by the subrecipient to the recipient as described in subparagraphs (6)(i)-(iv), above.

(7) Where the terms and conditions of the award require USAID approval of subawards, the recipient must include a description of the due diligence performed by the recipient on the subrecipient before furnishing health assistance under this award.

(8) The recipient is liable to USAID for a refund for a violation by the subrecipient of any requirement of this paragraph (a) only if: (i) the recipient knowingly furnishes health assistance under this award to a subrecipient that performs or actively promotes abortion as a method of family planning, or (ii) the subrecipient did not abide by its award terms required by subparagraphs (6)(i)-(iii), above, and the recipient failed to make reasonable due diligence efforts prior to furnishing health assistance to the subrecipient, or (iii) the recipient knows or has reason to know, by virtue of the monitoring that the recipient is required to perform under the terms of this award, that a subrecipient has violated any of the award terms required by subparagraphs (6)(i)-(iii), above, and the recipient fails to terminate health assistance to the subrecipient, or fails to require the subrecipient to terminate assistance furnished under a subaward that violates any award terms required by subparagraphs (6)(i)-(iii), above.

(9) The recipient acknowledges that USAID may make independent inquiries in the community served by the recipient or a subrecipient under this award regarding whether it performs or actively promotes abortion as a method of family planning.

(10) The following definitions apply for purposes of paragraph (a):

- (i) Abortion is a method of family planning when it is for the purpose of spacing births. This includes, but is not limited to, abortions performed for the physical or mental health of the mother and abortions performed for fetal abnormalities, but does not include abortions performed if the life of the mother would be endangered if the fetus were carried to term or abortions performed following rape or incest.
- (ii) "To perform abortions" means to operate a facility where abortions are provided as a method of family planning. Excluded from this definition is the treatment of injuries or illnesses caused by legal or illegal abortions, for example, post-abortion care.
- (iii) "To actively promote abortion" means for an organization to commit resources, financial or other, in a substantial or continuing effort to increase the availability or use of abortion as a method of family planning.

(A) This includes, but is not limited to, the following activities:

- (I) Operating a service-delivery site that provides, as part of its regular program, counseling, including advice and information, regarding the benefits and/or availability of abortion as a method of family planning;
- (II) Providing advice that abortion as a method of family planning is an available option or encouraging women to consider abortion (passively responding to a question regarding where a safe, legal abortion may be obtained is not considered active promotion if a woman who is already pregnant specifically asks the question, she clearly states that she has already decided to have a legal abortion, and the healthcare provider reasonably believes that the ethics of the medical profession in the host country requires a response regarding where it may be obtained safely and legally);
- (III) Lobbying a foreign government to legalize or make available abortion as a method of family planning or lobbying such a government to continue the legality of abortion as a method of family planning; and
- (IV) Conducting a public information campaign in foreign countries regarding the benefits and/or availability of abortion as a method of family planning.

(B) Excluded from the definition of active promotion of abortion as a method of family planning are referrals for abortion as a result of rape or incest, or if the life of the mother would be endangered if she were to carry the fetus to term. Also excluded from this definition is the treatment of injuries or illnesses caused by legal or illegal abortions, for example, postabortion care.

(C) Action by an individual acting in the individual's capacity shall not be attributed to an organization with which the individual is associated, provided that the individual is neither on duty nor acting on the organization's premises, and the organization neither endorses nor provides financial support for the action and takes reasonable steps to ensure that the individual does not improperly represent that he or she is acting on behalf of the organization.

(iv) Furnishing health assistance to a foreign non-governmental organization includes the transfer of funds made available under this award or goods or services financed with such funds, but does not include the purchase of goods or services from an organization or the participation of an individual in the general training programs of the recipient or subrecipient.

(v) To "control" an organization means to possess the power to direct, or cause the direction of, the management and policies of an organization.

(11) In determining whether a foreign non-governmental organization is eligible to be a recipient or subrecipient of health assistance under this award, the action of separate non-governmental organizations shall not be imputed to the recipient or subrecipient, unless, in the judgment of USAID, a separate non-governmental organization is being used purposefully to avoid the provisions of this paragraph (a). Separate non-governmental organizations are those that have distinct legal existence in accordance with the laws of the countries in which they are organized. Foreign organizations that are separately organized shall not be considered separate, however, if one is controlled by the other. The recipient may request the USAID Agreement Officer's approval to treat as separate the health activities of two or more organizations, which would not be considered separate under the preceding sentence. The recipient must provide a written justification to USAID that the health activities of the organizations are sufficiently distinct to warrant not imputing the activity of one to the other.

(12) Health assistance may be furnished under this award by a recipient or subrecipient to a foreign government or parastatal even though the government or parastatal includes abortion in its health program, provided that no such assistance may be furnished under this award in support of the abortion activity of the government or parastatal and any funds transferred to the government or parastatal must be placed in a segregated account to ensure that such funds may not be used to support the abortion activity of the government or parastatal.

(13) For the avoidance of doubt, in the event of a conflict between a term of this paragraph (a) and an affirmative duty of a healthcare provider required under local law to provide counseling about and referrals for abortion as a method of family planning, compliance with such law shall not trigger a violation of this paragraph (a).

II. Grants and Cooperative Agreements with U.S. Non-governmental Organizations

(1) The recipient (A) agrees that it will not furnish health assistance under this award to any foreign non-governmental organization that performs or actively promotes abortion as a method of family planning in

foreign countries; and (B) further agrees to require that such subrecipients do not provide financial support to any other foreign non-governmental organization that conducts such activities. For purposes of this paragraph (a), a foreign non-governmental organization is a for-profit or not-for-profit non-governmental organization that is not organized under the laws of the United States, any State of the United States, the District of Columbia, or the Commonwealth of Puerto Rico, or any other territory or possession of the United States.

(2) Prior to entering into an agreement to furnish health assistance to a foreign non-governmental organization (subrecipient) under this award, the recipient must ensure that such agreement with the subrecipient includes the following terms:

- (i) The subrecipient will not, while receiving assistance under this award, perform or actively promote abortion as a method of family planning in foreign countries or provide financial support to other foreign non-governmental organizations that conduct such activities;
- (ii) The recipient, and authorized representatives of USAID may, at any reasonable time, announced or unannounced, consistent with 2 CFR Part 200: (A) inspect the documents and materials maintained or prepared by the subrecipient in the usual course of its operations that describe the health activities of the subrecipient, including reports, brochures, and service statistics; (B) observe the health activities conducted by the subrecipient; (C) consult with healthcare personnel of the subrecipient; and (D) obtain a copy of audited financial statements or reports of the subrecipient, as applicable; \
- (iii) In the event that the recipient or USAID has reasonable cause to believe that a subrecipient may have violated its undertaking not to perform or actively promote abortion as a method of family planning, the recipient will review the health program of the subrecipient to determine whether a violation of such undertaking has occurred. The subrecipient must make available to the recipient such books and records and other information as may be reasonably requested to conduct the review. USAID may review the health program of the subrecipient under these circumstances, and the subrecipient must provide access on a timely basis to USAID to such books and records and other information upon request, consistent with 2 CFR part 200;
- (iv) Health assistance provided to the subrecipient under this award must be terminated if the subrecipient violates any award terms required by subparagraphs (2)(i)-(iii), above, and the subrecipient must refund to the recipient any unexpended amounts furnished to the subrecipient under this award, plus an amount equivalent to that used by the subrecipient to perform or actively promote abortion as a method of family planning while receiving funding under this award, up to the total amount of health assistance furnished to the subrecipient under this award; and
- (v) The subrecipient may furnish health assistance under this award to another foreign non-governmental organization only if: (A) such foreign nongovernmental organization agrees, by entering into such agreement, that it will not perform or actively promote abortion as a method

of family planning in foreign countries and will not provide financial support to any other foreign non-governmental organization that conducts such activities; and (B) such foreign non-governmental organization's agreement contains the same terms and conditions as those provided by the subrecipient to the recipient as described in subparagraphs (2)(i)-(iv), above.

(3) Where the terms and conditions of the award require USAID approval of subawards, the recipient must include a description of the due diligence performed by the recipient on the subrecipient before furnishing health assistance under this award.

(4) The recipient is liable to USAID for a refund for a violation by the subrecipient of any requirement of this paragraph (a) only if: (i) the recipient knowingly furnishes health assistance under this award to a subrecipient that performs or actively promotes abortion as a method of family planning; or (ii) the subrecipient did not abide by its award terms required by subparagraphs (2)(i)-(iii), above, and the recipient failed to make reasonable due diligence efforts prior to furnishing health assistance to the subrecipient; or (iii) the recipient knows or has reason to know, by virtue of the monitoring that the recipient is required to perform under the terms of this award, that a subrecipient has violated any of the award terms required by subparagraphs (2)(i)-(iii), above, and the recipient fails to terminate health assistance to the subrecipient, or fails to require the subrecipient to terminate assistance furnished under a subaward that violates any award terms required by subparagraphs (2)(i)-(iii), above.

(5) The recipient acknowledges that USAID may make independent inquiries in the community served by a subrecipient under this award regarding whether such subrecipient performs or actively promotes abortion as a method of family planning.

(6) The following definitions apply for purposes of this paragraph (a):

(i) Abortion is a method of family planning when it is for the purpose of spacing births. This includes, but is not limited to, abortions performed for the physical or mental health of the mother and abortions performed for fetal abnormalities, but does not include abortions performed if the life of the mother would be endangered if the fetus were carried to term or abortions performed following rape or incest.

(ii) "To perform abortions" means to operate a facility where abortions are provided as a method of family planning. Excluded from this definition is the treatment of injuries or illnesses caused by legal or illegal abortions, for example, post-abortion care.

(iii) "To actively promote abortion" means for an organization to commit resources, financial or other, in a substantial or continuing effort to increase the availability or use of abortion as a method of family planning.

(A) This includes, but is not limited to, the following activities:

(I) Operating a service-delivery site that provides, as part of its regular program, counseling, including advice and information, regarding the benefits and/or availability of abortion as a method of family planning;

(II) Providing advice that abortion as a method of family planning is an available option or encouraging women to consider abortion (passively responding to a question regarding where a safe, legal abortion may be obtained is not considered active promotion if a woman who is already pregnant specifically asks the question, she clearly states that she has already decided to have a legal abortion, and the healthcare provider reasonably believes that the ethics of the medical profession in the host country requires a response regarding where it may be obtained safely and legally);

(III) Lobbying a foreign government to legalize or make available abortion as a method of family planning or lobbying such a government to continue the legality of abortion as a method of family planning; and

(IV) Conducting a public-information campaign in foreign countries regarding the benefits and/or availability of abortion as a method of family planning.

(B) Excluded from the definition of active promotion of abortion as a method of family planning are referrals for abortion as a result of rape or incest, or if the life of the mother would be endangered if she were to carry the fetus to term. Also excluded from this definition is the treatment of injuries or illnesses caused by legal or illegal abortions, for example, postabortion care.

(C) Action by an individual acting in the individual's capacity shall not be attributed to an organization with which the individual is associated, provided that the individual is neither on duty nor acting on the organization's premises, and the organization neither endorses nor provides financial support for the action and takes reasonable steps to ensure that the individual does not improperly represent that he or she is acting on behalf of the organization.

(iv) Furnishing health assistance to a foreign non-governmental organization includes the transfer of funds made available under this award or goods or services financed with such funds, but does not include the purchase of goods or services from an organization or the participation of an individual in the general training programs of the recipient or subrecipient.

(v) To "control" an organization means to possess the power to direct, or cause the direction of, the management and policies of an organization.

(7) In determining whether a foreign non-governmental organization is eligible to be a subrecipient of health assistance under this award, the action of separate non-governmental organizations shall not be imputed to the subrecipient, unless, in the judgment of USAID, a separate non-governmental organization

is being used purposefully to avoid the provisions of this paragraph (a). Separate nongovernmental organizations are those that have distinct legal existence in accordance with the laws of the countries in which they are organized. Foreign organizations that are separately organized shall not be considered separate, however, if one is controlled by the other. The recipient may request the USAID Agreement Officer's approval to treat as separate the health activities of two or more organizations, which would not be considered separate under the preceding sentence. The recipient must provide a written justification to USAID that the health activities of the organizations are sufficiently distinct to warrant not imputing the activity of one to the other.

(8) Health assistance may be furnished under this award by a recipient or subrecipient to a foreign government or parastatal even though the government or parastatal includes abortion in its health program, provided that no such assistance may be furnished under this award in support of the abortion activity of the government or parastatal and any funds transferred to the government or parastatal must be placed in a segregated account to ensure that such funds may not be used to support the abortion activity of the government or parastatal.

(9) For the avoidance of doubt, in the event of a conflict between a term of this paragraph (a) and an affirmative duty of a healthcare provider required under local law to provide counseling about and referrals for abortion as a method of family planning, compliance with such law shall not trigger a violation of this paragraph (a). (b) This provision shall be inserted verbatim in subawards in accordance with the terms of paragraph (a).

[END OF PROVISION]

All other terms and conditions of the cooperative agreement remain unchanged and in full force and effect.

--- END OF MODIFICATION No. 9 ---

INTERNAL BUDGET

USAID PREDICT 2

Modification Number: 09 // Award Number: AID-OAA-A-14-00102

Funds to UC Davis	\$1,582,500
Direct Costs	\$1,007,962
Indirect Costs @ 57% MTDC	\$574,538
SUBAWARDS <i>not</i> subject to IDC	\$1,000,000
MOD 9 TOTAL:	\$2,582,500

From: Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>
Sent: Sun, 8 Jul 2018 02:29:17 +0700
Subject: Roundtable Dialogue Toward Establishing a Thailand National Virome Project
To: Noppavan Janejai <noppavan.j@dmisc.mail.go.th>, Prasert Auewarakul <prasert.aue@mahidol.ac.th>, Thanat Chookajorn <thanat.cho@mahidol.edu>, Pasakorn Akarasewi <[REDACTED]>, Wantanee Kalpravidh <[REDACTED]>, Filip Claes <[REDACTED]>, Parntep Ratanakorn <parntep.rat@mahidol.ac.th>, "tmpsh@mahidol.ac.th" <tmpsh@mahidol.ac.th>, Bandit Nuansrichay <[REDACTED]>, Supaporn Wacharapluesadee <[REDACTED]>
Cc: Dennis Carroll <dcarroll@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, Jonna Mazet <jkmazet@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Daniel Schar <dSchar@usaid.gov>, Mejones@usaid.gov, stackett@usaid.gov, [REDACTED]
[Thailand National Virome Project Draft Agenda June 29 \(1\).docx](#)

Scientists Aim to Stop the Devastation of Zika-like Pandemics

Killer viruses can ravage countries, but now a new project hopes to spot diseases likely to jump from animals to humans. [Read more...](#)

The link is about GVP project. The GVP launching workshop in Thailand is now planned for Sep 2018. DMSC, MOPH and NSTDA, Ministry of Science and Technology kindly accepts to co-host the event. Please review the first draft meeting agenda that crafted by our end, but will require your advice and inputs especially part of the network in Thailand and whom we should invite to give a talk and/or join the launching workshop.

Thank you very much and look forward to meeting you all at the 1st prep meeting at DMSC.

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor

REDACTED
E-mail: sdamrongwatanapokin@usaid.gov

Roundtable Dialogue Toward Establishing a Thailand National Virome Project

September 2018 (TBD)

Objectives:

- Further introduce and update status on the Global Virome Project
- Identify and synthesize Thailand's viral discovery and risk analysis expertise
- Discuss Thailand's capacities in the context of the GVP, and build consensus around key goals to be achieved in developing a Thailand Virome Project

Expected Outputs:

- Summary report and synthesis of Thailand's viral discovery and risk analysis landscape
- Draft roadmap and iterative milestones in developing a Thailand Virome Project

September xx, 2018

8:30 – 9:00 am	Registration	
<i>I. Introduction</i>		
9:00 – 9:30 am	Opening Remarks -Ministry of Public Health, DMSC -Ministry of Science and Technology, NSTDA	
9:30 – 10:30 am	Presentation of the Global Virome Project	Dennis Carroll
10:30 – 11:00 am	Coffee Break	
<i>II. The Mechanics of a Global Virome Project</i>		
11:00 – 11:45 am	GVP Structure at Global and National Levels - Thematic Areas: o Governance; S&T; Implementation - Phased Approach	
11:45am – 12:30 pm	Viral Discovery in the Global and Asia Regional Contexts: Key Lessons and Experiences	
12:30 – 1:30 pm	Lunch	
<i>III. Thailand's Viral Discovery & Risk Analysis Landscape</i>		

1:30 – 1:50 pm	Chulalongkorn University, Faculty of Medicine, Center for Viral Zoonoses	Supaporn Wacharapluesadee
1:50 – 2:10 pm	Ministry of Public Health, Department of Medical Sciences, National Institute of Health (NIH)	Noppavan Janejai
2:10 – 2:30 pm	Ministry of Ag and Cooperatives, National Institute of Animal Health	Bandit Nuansrichay
2:30 – 3:00 pm	Coffee Break	
3:00 – 3:20 pm	Mahidol University (Tropical Medicine Faculty)	
3:20 – 3:40 pm	Mahidol University (Siriraj Hospital)	
3:40 – 4:00 pm	Thailand Research Fund	
4:00 – 4:20 pm	BIDI?	
4:20 – 4:40 pm	AFRIMS or US CDC?	
	Other?	

September xx + 1, 2018

<i>IV. Developing a Thailand Virome Project</i>		
8:30 – 9:30 am	Summary of Thailand's Viral Discovery & Risk Analysis Capacities, Equities, and Expertise	To be presented in a synthesis form, by category (e.g. diagnostics, interface characterization) from previous day's presentations
9:30 – 11:30 am (including coffee break)	Introduction to Group Deliberations and Group Discussion - Moderated Breakout Groups By Thematic Area to Discuss Structural Options for a Thailand Virome Project	
11:30 – 12:30 pm	Readout of Group Discussions by Thematic Area - Governance - Science and Technology - Implementation	
12:30 – 1:30pm	Lunch	

V. <i>Roadmap to a Thailand Virome Project</i>		
1:30 – 3:00 pm	Draft Roadmap Development and Next Steps <ul style="list-style-type: none"> - Presentation of draft roadmap following thematic area recommendations - Key milestones - Q/A 	
3:00 – 3:30 pm	Summary and Closing Remarks	

Participating Institutions (tentative invitation issuance):

Ministry of Public Health, Department of Medical Sciences (DMSC), National Institute of Health

Ministry of Agriculture and Cooperatives, National Institute for Animal Health (NIAH)

Ministry of Natural Resources and Environment, Department of National Parks (DNP)

Ministry of Science and Technology, National Science Technology Development Agency (NSTDA)

Chulalongkorn University, Faculty of Medicine, Center for Viral Zoonoses

Mahidol University, Faculty of Tropical Medicine

Mahidol University, Siriraj Hospital

Thailand One Health University Network (ThOHUN)

Bamrasnaradura Infectious Disease Institute (BIDI)

Thailand Research Fund (TRF)

Food and Agriculture Organization of the United Nations

World Health Organization

U.S. Centers for Disease Control and Prevention/Thailand

Armed Forces Research Institute for Medical Sciences (AFRIMS)

U.S. Agency for International Development

U.S. Embassy Bangkok

From: Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>
Sent: Mon, 9 Jul 2018 18:39:32 +0700
Subject: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project
To: Noppavan Janejai <noppavan.j@dmisc.mail.go.th>
Cc: Prasert Auewarakul <prasert.aue@mahidol.ac.th>, Thanat Chookajorn <thanat.cho@mahidol.edu>, Pasakorn Akarasewi <pasakorn.akarasewi@mahidol.ac.th>, Wantanee Kalpravidh <wantanee.kalpravidh@fao.org>, Supaporn Wacharapluesadee <supaporn.wacharapluesadee@dmisc.mail.go.th>, Bandit Nuansrichay <bandit.nuansrichay@dmisc.mail.go.th>, Parntep Ratanakorn <parntep.rat@mahidol.ac.th>, Dennis Carroll <dcarroll@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, etogami@ucdavis.edu, Filip Claes <filip.claes@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Daniel Schar <dSchar@usaid.gov>, Mejones@usaid.gov, stackett@usaid.gov, Pratap Singhasivanon <pratap.sin@mahidol.ac.th>

Dear Dr. Noppavan,

I confirm my participation on July 17 at DMSC. Thanks.

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor

REDACTED
E-mail: sdamrongwatanapokin@usaid.gov
Tcl: + **REDACTED**

On Mon, Jul 9, 2018 at 5:29 PM, Noppavan Janejai <noppavan.j@dmisc.mail.go.th> wrote:

Dear all

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Please kindly confirm your availability. The official invitation letter will be issued later.

Best regards,

Noppavan Janejai
Deputy Director
National Institute of Health, Department of Medical Sciences
88/7 Tiwanon Road, Nonthaburi 11000, Thailand

----- ข้อความดั้งเดิม -----

จาก: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
ถึง: "Noppavan Janejai" <noppavan.j@dmisc.mail.go.th>, "Prasert Auewarakul" <prasert.aue@mahidol.ac.th>, "Thanat Chookajorn" <thanat.cho@mahidol.edu>, "Pasakorn Akarasewi" <pasakorn.akarasewi@mahidol.ac.th>, "Wantanee Kalpravidh" <wantanee.kalpravidh@fao.org>, "Filip Claes" <filip.claes@ucdavis.edu>, "Parntep Ratanakorn" <parntep.rat@mahidol.ac.th>, tmpsh@mahidol.ac.th, "Bandit Nuansrichay" <bandit.nuansrichay@dmisc.mail.go.th>, "Supaporn Wacharapluesadee" <supaporn.wacharapluesadee@dmisc.mail.go.th>
สำเนา: "Dennis Carroll" <dcarroll@usaid.gov>, "Cara Chrisman" <cchrisman@usaid.gov>, "Jonna Mazet" <jkmazet@ucdavis.edu>, "Peter Daszak" <daszak@ecohealthalliance.org>, "Daniel Schar" <dSchar@usaid.gov>, Mejones@usaid.gov, stackett@usaid.gov, **REDACTED**

ส่งแล้ว: อาทิตย์, 8 กรกฎาคม, 2018 2:29:17 AM

เรื่อง: Roundtable Dialogue Toward Establishing a Thailand National Virome Project

Scientists Aim to Stop the Devastation of Zika-like Pandemics
Killer viruses can ravage countries, but now a new project hopes to spot diseases likely to jump from animals to humans. Read more...

<<https://usaid.us10.list-manage.com/track/click?u=afb9d459a45eccd639f25d07d&id=257156ea58&e=f91f1625a3>>

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Thank you very much and look forward to meeting you all at the 1st prep meeting at DMSC.

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor

REDACTED

E-mail: sdamrongwatanapokin@usaid.gov

Tel: + **REDACTED**

From: Andrew Clements <aclements@usaid.gov>
Sent: Wed, 11 Jul 2018 17:23:32 +0200
Subject: Re: PREDICT-2 May 2018 Ebola Financial Report
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Cc: Alisa Pereira <apereira@usaid.gov>, Amalhin Shek <ashek@usaid.gov>, Jonna Mazet <jkmazet@ucdavis.edu>, David John Wolking <djwolking@ucdavis.edu>, "predict@ucdavis.edu" <predict@ucdavis.edu>, Hannah R Chale <hrchale@ucdavis.edu>

thanks, Liz

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 Tue, Jul 3, 2018 at 4:52 AM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. Please find attached the Ebola Financial Report for May 2018. As you will see, our total spending for May is approximately \$48K less than last month and \$594K short of the figure we projected for May when calculating our Y5 pipeline. This shortage is not due to lack of spending, but rather due to delays in obtaining required campus approvals and in processing of vendor invoices so costs actually hit our ledgers. UC Davis is implementing new documentation requirements for large procurements that have slowed the campus review process, and we are now required to utilize a shared services unit for payment of invoices, which has resulted in additional processing delays. We're also in the midst of fiscal close, which has compounded the problem. That said, over the past few weeks alone, we have ordered nearly **\$1.4M** worth of supplies needed for diagnostics and viral sequencing and characterization for Ebola-funded countries, which will hit our ledgers in June and July and be reflected in our next reports to you.

If you have any questions, please let me know.

Thanks!

Liz

Elizabeth Leasure

Financial Operations Manager

One Health Institute

REDACTED (cell)

530-754-9034 (office)

Skype: ealeasure

From: Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>
Sent: Mon, 16 Jul 2018 02:20:39 -0400
Subject: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project
To: Noppavan Janejai <noppavan.j@dmsc.mail.go.th>, Thanat Chookajorn <thanat.cho@mahidol.edu>, Supaporn Wacharapluesadee [REDACTED], Thiravat Hemachudha [REDACTED], Prasert Auewarakul <prasert.aue@mahidol.ac.th>, Pratap Singhasivanon <pratap.sin@mahidol.ac.th>, Parntep Ratanakorn <parntep.rat@mahidol.ac.th>, Bandit Nuansrichay [REDACTED], Tuangthong Patchimasiri <tuangthongp@dld.go.th>
Cc: "Thitima Klasnimit (RDMA/OPH)" <tklasnimit@usaid.gov>, rtecho@usaid.gov, ajatapai@usaid.gov, Daniel Schar <dSchar@usaid.gov>, jkmazet@ucdavis.edu, [REDACTED] cchrisman@usaid.gov, Dennis Carroll <dcarroll@usaid.gov>

Ajarn Thanat ka,

Please call Dr. Noppavan at 081-371-0960 for the meeting room on Tuesday July 17.

The meeting will be at DMSC at 1.30 pm. We will discuss on the draft meeting agenda (shared with you previously) , logistics, and whom from your network and other related stakeholders should be invited for national GVP round table dialogue on Sep 13-14.

I am in Nepal and now at the airport. I should arrive home this evening . For the launching workshop, we asked DMSC , MOPH and NSTDA, Ministry of Science and Technology to co- host the event. USAID requests FAO to use USAID/ FAO global fund to support the event in September. However, how Thailand will set up the national Global Virome Project, who should be involved, and required financial /technical support, will come from the discussion meeting and the Thai Networks in September ka.

Look forward to seeing you at the 1st prep meeting on July 17.

Best,
Sudarat

Best regards,
Sudarat

Sent from my mobile.

> On Jul 11, 2018, at 3:39 PM, Noppavan Janejai <noppavan.j@dmsc.mail.go.th> wrote:
>
> เรียน อ ธนรรณ
>
> วันที่ 17 จะเป็นการหารือเพื่อเตรียมการจัดประชุม และ identify stakeholder ที่จะเข้าประชุมค่ะ
> เบอร์โทร 0813710960 ค่ะ
>
> นภวรรณ
>
>
> Noppavan Janejai
> Deputy Director
> National Institute of Health, Department of Medical Sciences
> [REDACTED]
>

> ----- ข้อความดั้งเดิม -----
> จาก: "Thanat Chookajorn" <thanat.cho@mahidol.edu>
> ถึง: "Noppavan Janejai" <noppavan.j@dmsc.mail.go.th>
> สำเนา: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
> ส่งแล้ว: พุธ, 11 กรกฎาคม, 2018 11:59:56 AM
> เรื่อง: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project
>
> สวัสดีครับ
>
> ผม ธรณธร จากเซตร้อนครับ ผมยินดีเข้าร่วมครับ
> ถ้าเป็นไปได้ผมรบกวนขออนุญาตโทรไปเรียนปรึกษาได้ไหมครับ
> เพื่อจะได้ทราบว่าทางเราควรเชิญท่านใดในทีมไปเข้าร่วมบ้างครับ
>
> ขอบพระคุณครับ
>
> ด้วยความเคารพอย่างสูง
> ธรณธร
>
> On Mon, Jul 9, 2018 at 5:29 PM, Noppavan Janejai <noppavan.j@dmsc.mail.go.th>
>> wrote:
>
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>> ----- ข้อความดั้งเดิม -----
>> จาก: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
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>> ส่งแล้ว: อาทิตย์, 8 กรกฎาคม, 2018 2:29:17 AM
>> เรื่อง: Roundtable Dialogue Toward Establishing a Thailand National Virome
>> Project
>>
>> *Scientists Aim to Stop the Devastation of Zika-like Pandemics*

>> Killer viruses can ravage countries, but now a new project hopes to spot
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>> <[https://usaid.us10.list-manage.com/track/click?u=](https://usaid.us10.list-manage.com/track/click?u=afb9d459a45eccd639f25d07d&id=257156ea58&e=f91f1625a3)
>> [afb9d459a45eccd639f25d07d&id=257156ea58&e=f91f1625a3](https://usaid.us10.list-manage.com/track/click?u=afb9d459a45eccd639f25d07d&id=257156ea58&e=f91f1625a3)>
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>> Sudarat Damrongwatanapokin, D.V.M., Ph.D.
>> Regional Animal Health Advisor
>> **REDACTED**
>>
>> E-mail: sdamrongwatanapokin@usaid.gov
>> Tel: +**REDACTED**
>

Sent: Mon, 16 Jul 2018 13:28:14 +0700
From: "Noppavan Janejai" <noppavan.j@dmsc.mail.go.th>
To: Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>
Cc: Thanat Chookajorn <thanat.cho@mahidol.edu>, Supaporn Wacharapluesadee
[REDACTED], Thiravat Hemachudha <[REDACTED]>, Prasert Auewarakul
<prasert.aue@mahidol.ac.th>, Pratap Singhasivanon <pratap.sin@mahidol.ac.th>, Parntep Ratanakorn
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<rtecho@usaid.gov>, <ajatapai@usaid.gov>, Daniel Schar <dSchar@usaid.gov>, Jonna Mazet
<jkmazet@ucdavis.edu>, [REDACTED], Cara Chrisman <cchrisman@usaid.gov>,
Dennis Carroll <dcarroll@usaid.gov>
Subject: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project
[Draft Agenda for Prep meeting.docx](#)

Dear all,

The meeting room for tomorrow is room 314, building 14, Department of Medical Sciences, at 13.30 pm.

Attached please find list of topic to be discussed.

Best regards

Noppavan Janejai
Deputy Director
National Institute of Health, Department of Medical Sciences
88/7 Tiwanon Road, Nonthaburi 11000, Thailand

----- ข้อความดั้งเดิม -----

จาก: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
ถึง: "Noppavan Janejai" <noppavan.j@dmsc.mail.go.th>, "Thanat Chookajorn"
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[REDACTED], "Cara Chrisman" <cchrisman@usaid.gov>, "Dennis Carroll"
<dcarroll@usaid.gov>

ส่งแล้ว: จันทร์, 16 กรกฎาคม, 2018 1:20:39 PM

เรื่อง: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project

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> เบอร์โทร 0813710960 ค่ะ

>

> นภาพรณ

>

>

> Noppavan Janejai

> Deputy Director

> National Institute of Health, Department of Medical Sciences

> **REDACTED**

> ----- ข้อความดั้งเดิม -----

> จาก: "Thanat Chookajorn" <thanat.cho@mahidol.edu>

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> สำเนา: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>

> ส่งแล้ว: พุธ, 11 กรกฎาคม, 2018 11:59:56 AM

> เรื่อง: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project

>

> สวัสดีครับ

>

> ผม ธนรรณ จากเขตร้อนครับ ผมยินดีเข้าร่วมครับ

> ถ้าเป็นไปได้ผมรบกวนขออนุญาตโทรไปเรียนปรึกษาได้ไหมครับ

> เพื่อจะได้ทราบว่าทางเราควรเชิญท่านใดในทีมไปเข้าร่วมบ้างครับ

>

> ขอบพระคุณครับ

>

> ด้วยความเคารพอย่างสูง

> ธนรรณ

>

> On Mon, Jul 9, 2018 at 5:29 PM, Noppavan Janejai <noppavan.j@dmsc.mail.go.th>

>> wrote:

>

>> Dear all

>>

>> As you have been informed by Dr. Sudarat earlier, I am writing to confirm

>> that the GVP meeting will be on September 6-7.

>> The preparation meeting for our Thai based colleagues is scheduled to be

>> on July 17, 13.30. at DMSc.

>>
>> Please kindly confirm your availability. The official invitation letter
>> will be issued later.
>>
>> Best regards,
>>
>> Noppavan Janejai
>> Deputy Director
>> National Institute of Health, Department of Medical Sciences
>> **REDACTED**
>>
>> ----- ข้อความดั้งเดิม -----
>> จาก: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
>> ถึง: "Noppavan Janejai" <noppavan.j@dmsc.mail.go.th>, "Prasert
>> Auewarakul" <prasert.aue@mahidol.ac.th>, "Thanat Chookajorn" <
>> thanat.cho@mahidol.edu>, "Pasakorn Akarasewi" <**REDACTED**>,
>> "Wantanee Kalpravidh" <**REDACTED**>, "Filip Claes" <
>> **REDACTED**>, "Parntep Ratanakorn" <parntep.rat@mahidol.ac.th>,
>> tmpsh@mahidol.ac.th, "Bandit Nuansrichay" <**REDACTED**>,
>> "Supaporn Wacharapluesadee" <**REDACTED**>
>> สำเนา: "Dennis Carroll" <dcarroll@usaid.gov>, "Cara Chrisman" <
>> cchrisman@usaid.gov>, "Jonna Mazet" <jkmazet@ucdavis.edu>, "Peter Daszak"
>> <daszak@ecohealthalliance.org>, "Daniel Schar" <dSchar@usaid.gov>,
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>> invite to give a talk and/or join the launching workshop.
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>> meeting at DMSC.
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>> Sudarat Damrongwatanapokin, D.V.M., Ph.D.
>> Regional Animal Health Advisor
>> **REDACTED**
>>
>> E-mail: sdamrongwatanapokin@usaid.gov
>> Tel: +6 **REDACTED**
>

Draft Agenda for Prep meeting,17 July 2018

1. Background Information
2. List of Participants/organization to be invited
3. Meeting venue/accommodation/transportation
4. budgeting
5. Meeting agenda
6. Presentation
7. Expecting output/outcome
8. Proposed date for next prep meeting

From: Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>
Sent: Mon, 16 Jul 2018 03:06:02 -0400
Subject: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project
To: Noppavan Janejai <noppavan.j@dmisc.mail.go.th>, Thanat Chookajorn <thanat.cho@mahidol.edu>, Supaporn Wacharapluesadee <[REDACTED]>, Thiravat Hemachudha <[REDACTED]>, Prasert Auewarakul <prasert.aue@mahidol.ac.th>, Pratap Singhasivanon <pratap.sin@mahidol.ac.th>, Parntep Ratanakorn <parntep.rat@mahidol.ac.th>, Bandit Nuansrichay <[REDACTED]>, Tuangthong Patchimasiri <tuangthongp@dld.go.th>
Cc: "Thitima Klasnimi (RDMA/OPH)" <tklasnimi@usaid.gov>, rtecho@usaid.gov, ajatapai@usaid.gov, Daniel Schar <dSchar@usaid.gov>, jkmazet@ucdavis.edu, [REDACTED] cchrisman@usaid.gov, Dennis Carroll <dcarroll@usaid.gov>

Apologies, the National Thailand GVP round table dialogue is planned on Sep 6-7 (not Sep 13-14).

Best,
SudarT

Sent from my mobile.

> On Jul 16, 2018, at 12:05 PM, Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov> wrote:
>
> Ajarn Thanat ka,
>
> Please call Dr. Noppavan at [REDACTED] for the meeting room on Tuesday July 17.
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> The meeting will be at DMSC at 1.30 pm. We will discuss on the draft meeting agenda (shared with you previously) , logistics, and whom from your network and other related stakeholders should be invited for national GVP round table dialogue on Sep 13-14.
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>> วันที่ 17 จะเป็นการหารือเพื่อเตรียมการจัดประชุม และ identify stakeholder ที่จะเข้าประชุมคะ
>> เบอร์โทร 0813710960 คะ
>>
>> นกวรรณ
>>

>>
>> Noppavan Janejai
>> Deputy Director
>> National Institute of Health, Department of Medical Sciences
>> **REDACTED**
>>
>> ----- ข้อความดั้งเดิม -----
>> จาก: "Thanat Chookajorn" <thanat.cho@mahidol.edu>
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>> สำเนา: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>
>> ส่งแล้ว: พุธ, 11 กรกฎาคม, 2018 11:59:56 AM
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>>> สำเนา: "Dennis Carroll" <dcarroll@usaid.gov>, "Cara Chrisman" <
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>>> <daszak@ecohealthalliance.org>, "Daniel Schar" <dSchar@usaid.gov>,

>>> Mejones@usaid.gov, stackett@usaid.gov, **REDACTED**
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>>> Regional Animal Health Advisor
>>> **REDACTED**
>>> E-mail: sdamrongwatanapokin@usaid.gov
>>> Tel: **REDACTED**
>>

Subject: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project
From: Noppavan Janejai <noppavan.j@dmisc.mail.go.th>
Sent: Mon, 16 Jul 2018 14:28:53 +0700
Cc: Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>, Thanat Chookajorn <thanat.cho@mahidol.edu>, Thiravat Hemachudha <[REDACTED]>, Prasert Auewarakul <prasert.aue@mahidol.ac.th>, Pratap Singhasivanon <pratap.sin@mahidol.ac.th>, Parntep Ratanakorn <parntep.rat@mahidol.ac.th>, Bandit Nuansrichay <[REDACTED]>, Tuangthong Patchimasiri <tuangthongp@dld.go.th>, "Thitima Klasnimit (RDMA/OPH)" <tklasnimit@usaid.gov>, "rtecho@usaid.gov" <rtecho@usaid.gov>, "ajatapai@usaid.gov" <ajatapai@usaid.gov>, Daniel Schar <dSchar@usaid.gov>, Jonna Mazet <jkmazet@ucdavis.edu>, [REDACTED], Cara Chrisman <cchrisman@usaid.gov>, Dennis Carroll <dcarroll@usaid.gov>, Soom [REDACTED], Apaporn Rodpan [REDACTED]
To: S Wacharapluesadee <[REDACTED]>

Dear Dr. Supaporn
The message is well received with thanks.

Regards,

Noppavan

Sent from my iPad

On 16 Jul BE 2561, at 14:25, S Wacharapluesadee <[REDACTED]> wrote:

Dear Dr. Noppavan,

Sorry for not getting back to you sooner. Regrettably I will not be able to attend due to some conflicting meeting in Singapore.

I have made arrangement for my colleague (Ms. Apoporn Rodpan, cc email) to join and take notes on my behalf so that I can caught with the main points for discussion when I return.

Best Regards,

Supaporn

Supaporn Wacharapluesadee, PhD

ศูนย์วิทยาศาสตร์สุขภาพโรคอุบัติใหม่ โรงพยาบาลจุฬาลงกรณ์
Thai Red Cross Emerging Infectious Diseases - Health Science Centre
WHO Collaborating Centre for Research and Training on Viral Zoonoses

REDACTED

From: Noppavan Janejai <noppavan.j@dmisc.mail.go.th>
Sent: Monday, July 16, 2018 1:28 PM

UCDUSR0007616

To: Sudarat Damrongwatanapokin

Cc: Thanat Chookajorn; Supaporn Wacharapluesadee; Thiravat Hemachudha; Prasert Auewarakul; Pratap Singhasivanon; Parntep Ratanakorn; Bandit Nuansrichay; Tuangthong Patchimasiri; Thitima Klasnimit (RDMA/OPH); rtecho@usaid.gov; ajatapai@usaid.gov; Daniel Schar; Jonna Mazet; [REDACTED] Cara Chrisman; Dennis Carroll

Subject: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project

Dear all,

The meeting room for tomorrow is room 314, building 14, Department of Medical Sciences, at 13.30 pm.
Attached please find list of topics to be discussed.

Best regards

Noppavan Janejai
Deputy Director
National Institute of Health, Department of Medical Sciences

REDACTED

----- ข้อความดั้งเดิม -----

จาก: "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>

ถึง: "Noppavan Janejai" <noppavan.j@dmisc.mail.go.th>, "Thanat Chookajorn" <thanat.cho@mahidol.edu>, "Supaporn Wacharapluesadee" <[REDACTED]>, "Thiravat Hemachudha" <[REDACTED]>, "Prasert Auewarakul" <prasert.aue@mahidol.ac.th>, "Pratap Singhasivanon" <pratap.sin@mahidol.ac.th>, "Parntep Ratanakorn" <parntep.rat@mahidol.ac.th>, "Bandit Nuansrichay" <[REDACTED]>, "Tuangthong Patchimasiri" <tuangthongp@dld.go.th>

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ส่งแล้ว: จันทร์, 16 กรกฎาคม 2018 1:20:39 PM

เรื่อง: Re: Roundtable Dialogue Toward Establishing a Thailand National Virome Project

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Please call Dr. Noppavan at 081-371-0960 for the meeting room on Tuesday July 17.

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> เบอร์โทร 0813710960 ค่ะ

>

> นภวรรณ

>

>

> Noppavan Janejai

> Deputy Director

> National Institute of Health, Department of Medical Sciences

> **REDACTED**

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>> [REDACTED]
>> [REDACTED]
>> E-mail: sdamrongwatanapokin@usaid.gov
>> Tel: [REDACTED]
>

From: Megan M Doyle <mmdoyle@UCDAVIS.EDU>
To: "predict-surveillance@ucdavis.edu" <predict-surveillance@ucdavis.edu>
Cc: Catherine Machalaba <machalaba@ecohealthalliance.org>, "William B. Karesh" <karesh@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>
Subject: Joint surveillance call this Thurs, July 26th, 2018 @ 10am PT/1pm ET
Sent: Wed, 25 Jul 2018 00:01:17 +0000
[7.12.2018 surveillance call notes.docx](#)
[P2 Sample Disposition Form \(July 2018 Draft\) for Surveillance Team.docx](#)

Hi Surveillance Team,

Our next joint call is this Thurs, July 26th, 2018 @ 10am PT/1pm ET. Agenda and call info are below. As always please let us know if you have other items to discuss.

Notes from our last call are also attached for your review.

Agenda

- Pathogen Detection team (Tracey)
 - Country updates for laboratory progress
- Behavior team (Leilani)
 - Interim Data Review (IDR) report
 - BR analysis planning
 - Bat book updates
- Surveillance team
 - Risk reports – new versions available in EIDITH
 - Sample disposition form discussion and next steps (attached)
 - Serology update

Join from PC, Mac, Linux, iOS or Android: **REDACTED**

Or iPhone one-tap :

US: + **REDACTED**

Or Telephone:

Dial(for higher quality, dial a number based on your current location):

US: + **REDACTED**

Meeting ID: **REDACTED**

International numbers available: **REDACTED**

Thanks,

Megan

Megan Doyle
Research Associate
Emerging Pandemic Threats PREDICT Project
EpiCenter for Disease Dynamics
One Health Institute
UC Davis School of Veterinary Medicine
530-564-2133
mmdoyle@ucdavis.edu
skype: megan.m.doyle

USAID/PREDICT – SAMPLE DISPOSITION FORM

- Updated July 18, 2018

As a USAID-funded development project, PREDICT aims to strengthen and bolster the biosecurity and biosafety capacity of host country partners. This capacity includes essential human and physical resources for safe sample handling, transport, and storage of potentially dangerous zoonotic pathogens. As the project enters the last year of a five-year project period, it is our responsibility to ensure that all teams and partners are prepared and equipped to safely and securely store and manage all biological material and data from human and animal by the end of the project, and if appropriate and viable, to maintain a biosecure archive beyond PREDICT's period of performance (September 30, 2019).

PREDICT's global team is developing a sample storage and disposition plan in consultation with leaders in global health and biosecurity. To serve all consortium partner interests, however, this plan requires input from each of PREDICT's implementing partners across all 28 countries. The form below was drafted as the first step towards developing that plan. All country teams should work with their global leads to discuss these points and address the items in the form below.

Feedback is due to PREDICT's global team (predict@ucdavis.edu) by the next surveillance team call on August 9, 2018.

Note: If storage of samples is legally permissible and all criteria for biosecurity and biosafety below are met, then each country team should make plans to support sample and data storage in their Year 5 workplans and budgets.

Partner Name: _____

Country: _____

1. **Legal and regulatory permissions.** PREDICT's master IRB allows for storage of specimens for up to 10 years though local IRB or ethics committees may have more specific regulations. Animal specimen storage timelines may depend on your in-country permissions and regulations (IACUC, wildlife permit agencies, etc.).

What in-country approvals pertain to sample storage and what are the processes and timelines?

Name of permitting agency or organization and type of permit	Human or animal specimens	Timeline	Notes
Ex: National Institute for Medical Research	Human	Up to 10 years after close of study	Flexible language on timeline – consulting IRB on best practices

Add additional rows if needed...

2. **Sample biosecurity.** Maintaining a biosecure sample repository requires that animal and human samples are stored in a locked ultra-low freezer (-80°C) in a secured laboratory facility beyond the close of PREDICT's period of performance. Note: PREDICT's master IRB requires locked freezers for all human samples.
 - a. **Can all human samples be stored in a locked ultralow freezer at -80°C?** Yes/No
 - b. **Can all animal samples be stored in a locked ultralow freezer at -80°C?** Yes/No
 - c. **Call all samples remain in a secure BSL-2 laboratory?** Yes/No
 - d. **Do these facilities have a constant or backup power source to maintain cold chain?** Yes/No

Lab name, sample types	BSL level	Location	Power source	Notes/Action items
Ex: SUA lab, animal samples	BSL2	Morogoro, Tanzania	Constant power and external back-up generator	Explore costs for freezer operation (power, generator, staff time)

Add additional rows if needed...

3. **Sample and data plans and access.** PREDICT teams have signed material and data sharing policies as part of our agreements and partnerships. For any planned future work, considerations must be given for sample and data access and appropriate acknowledgements.
 - a. **Are there plans to continue testing/performing additional testing on any samples?** Yes/No
 - b. **Are additional permissions required for this work (or any future work)?** Yes/NoNote: country IRBs may restrict the ability for future testing, please consult all permissions documents identified in #1 above.

July 12th, 2018 Surveillance Team Call

Action Items and Reminders for next call:

1. Our next joint surveillance, behavior, and pathogen detection call is scheduled for July 26th.

Participants: Mindy Rostal, Tammie O'Rourke, Dan O'Rourke, Kevin Olival, Ava Sullivan, Leti Gutierrez, Karen Saylors, Jaber Belkhiria, Sarah Olson, Dave McIver, Anne Ladisouit, Matt LeBreton, Leilani Francisco, Lucy Keatts, David Wolking, Kevin Gonzalez, Corina Monagin, Dawn Zimmerman, Megan Doyle, Chris K Johnson

Y5 workplan questions

- For clarification, because some teams have gotten requests: Missions should not be vetting any of our workplans before these plans are shared with USAID Washington. We should keep engaging Missions however, to share success stories and as they may advocate for future PREDICT work. Regardless if there will be a PREDICT-3 or not, we should be planning for a smooth end of project that includes transfer of sustainability and stakeholder engagement activities.
- A survey for biosafety and cold chain will be shared with in-country teams in the coming weeks. The plan for now is to save samples for future work. Please be sure to budget for freezers or to maintain samples collected and replace worn out equipment PREDICT has utilized. David is exploring operational mechanisms to help sustain cold storage in laboratories following project closeout, but in general we cannot fund for storage past Y5.

Quarterly tracker, government reports/test results in EIDITH

- The counts in the tracker for individual countries can be found under *Reports>USAID reports>Tracker Report for Countries*. Thank you to everyone for your feedback and patience while we resolved the bug in the test results column, it has now been resolved.

Serology testing option

- We are continuing to develop the serology plan and are figuring out the options for shipment of samples, budgets, etc. The extra funding we got from USAID will mainly fund the serochip, which is in development at Columbia and which we hope will be able to detect exposure to ~100 human and zoonotic viruses. We are also scoping out potentially using the new technology at Johns Hopkins and USAMRIID – it is likely these would not be covered in the funds from USAID.
- Q: What is the solicitation method for choosing sites that can participate? Can labs with capacity to do validated serological assays budget this in Y5?
 - Once we have estimated costs, we will identify sample sets for serology. If labs have validated tests and capabilities for validated serological assays in-country, it would be great to share these ideas with surveillance team on upcoming calls. Serology will need to be budgeted in addition to PCR testing in year 5.

Syndromic surveillance – inclusion criteria/suspected malaria patients

- There was a question around enrolling patients with malaria which in the rainy season can be a majority of patients seen in clinics. We are interested in co-morbidities and history of exposure for patients so we can still enroll patients if they are malaria positive.

Asia country updates

Mongolia – Wrapped up spring/summer field surveillance, collected 400 samples. Fall work will start in mid-August, will collect 3800 samples target total for life of project. Will be working with MacroGen on influenza positive samples and barcoding.

Viet Nam – Should hit human syndromic surveillance targets at 2 sites. Testing needs to ramp up with pending demand. Completed testing 476 samples and ongoing testing of wildlife farm samples.

Myanmar – Final sampling trip happening now for bats, rodents, and humans. Continuing testing, 90 completed this month so far. Consulting with other labs for advocacy, feedback for future pilot training, and surveillance and wrap up. WHO requested details for media updates in Myanmar.

Cambodia – Team returned from final trip last week at Viet Nam border. Working through testing, about 70% of year 3 samples. Should be completed with all Y4 on time. Planning for final trip to guano farming site in August.

Laos PDR – Will finish animal sampling for the year soon. Testing has slowed down because of supply chain issues. Samples are extracted, just awaiting supplies needed to continue. Should hit 200 human target for syndromic surveillance soon.

Indonesia – Team is in the field, pushing for Y4 sampling completion of animals. Continuing community and hospital sampling. Completed PCR for 400 bats. FAO planning meeting in June to discuss work and plans.

Thailand – Field and laboratory ongoing. All rodent and bat samples collected on last field trip have been tested and uploaded to EIDITH. Enrolled 70 cases for hospital surveillance, 60 have been tested. Government requested us to test samples from the boys rescued from the cave.

Malaysia – Just completed sampling trip, got lots of bats and domestic animals. Testing is ongoing. Will test backlog human samples and will start on new ones when those are complete.

Bangladesh – Leilani and Emily were recently in country conducting training.

China – Been very active in laboratory, completed testing of all bat samples for Y3. Starting to test human and rodent samples.

India – working on QA/QC for primate samples. Planning to meet with Mission in New Delhi to share GHSA workplan.

Nepal – Starting on final wet season sampling. Working through testing Y4 and speeding up data entry into EIDITH.

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To: Tracey Goldstein <tgoldstein@ucdavis.edu>
CC: Amalhin Shek <ashek@usaid.gov>; Jonna Mazet <jkmazet@ucdavis.edu>; PREDICTMGT <predictmgt@usaid.gov>; Predict inbox <predict@ucdavis.edu>; Anthony, Simon J. <sja2127@cumc.columbia.edu>; Brian Bird <bhbird@ucdavis.edu>; Dennis Carroll <dcarroll@usaid.gov>
Sent: 7/27/2018 7:45:22 PM
Subject: Re: SL finding

Thanks

*Andrew P. Clements, Ph.D.
Senior Scientific Advisor
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U.S. Agency for International Development
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(530) 752-3318
tgoldstein@ucdavis.edu

From: REDACTED
To: Jonna Mazet <jkmazet@ucdavis.edu>, Dennis Carroll <dcarroll@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, Nathan Wolfe <nwolfe@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, Eddy Rubin <erubin@metabiota.com>
Subject: GVP video animation option & outline
Sent: Thu, 9 Aug 2018 20:03:36 +0000

Hi GVP team,

This message is regarding the animated GVP video with Science Animated (www.sciani.com).

Animation option:

I am planning to proceed with the ‘2D animation with 3D elements’ option for a 2 to 3min video (estimate below). Please let me know as soon as possible if you have objections. I will be sending the paperwork on **Monday Aug 13**.

Cost estimate

Estimates	2min video	3min video
2D animation	2130 GBP/2735 USD	2740 GBP/3519 USD
2D animation with 3D elements	2480 GBP/3185 USD	3240 GBP/4161 USD

*Exchange rate from GBP to USD as of Aug 9

Outline:

For your information, we are not required to provide them an outline of the video, because development of an outline/script is included in their service package.

As next steps, we are expected to send any information we have on the project, so for GVP we will send them the website, two pager, Science manuscript & supplementary materials, WHO Bulletin manuscript, and any other relevant documents. Then, we will have a call with their production team to discuss our preferences. This is when the information I’ve outlined below will be useful.

Please send me any comments to me by **COB Wednesday Aug 15**.

Items to cover

- The challenge
 - EIDs increasing
 - Many viruses with zoonotic potential (ref *Science* supplementary materials).
- Why GVP?
- How do we know that the approach will work? (proof of concept)
- What the GVP is:
 - Global partnership led by partners
 - A *targeted* surveillance strategy
 - A program that samples animals and humans
 - A syndromic surveillance system
 - Good value for money
- What the GVP is not:
 - Sequence database
 - A tool to predict the next pandemic
 - A random shotgun approach
 - A US-based project
 - Unaffordably expensive

- The approach: Reactive to proactive
- The impact

Preferences based on SciAni video gallery (<https://www.sciani.com/gallery/>)

- Start script with a question instead of a statement [as seen in *Plants have an immune system... and it's complicated*, and *Using Science to Model the Tour de France*]
- Keep the video concise [as seen in *Impaired Theory of Mind in very preterm birth*]
- Use enthusiastic voiceover [as seen in *An innovative, nutrition-based approach to managing kidney stones*]
- Prefer not to use bullet points in video [as seen in *The BETTER approach to preventing chronic diseases*]
- Prefer for the voiceover not to read too many texts in the video [as seen in *High precision dose monitoring can enhance targeted tumour therapy*, and *Using Science to Model the Tour de France*]
- Prefer not to structure video exactly like a scientific paper (background, gaps, objectives, methods, findings, discussion).
 - I overall like the script and animation styles of the following two animation videos.
 - [eWind Solutions – Working towards bringing affordable airborne wind energy to rural communities](#)
 - [Is there an alternative to fossil fuels?](#)

Note: This will be a promotional video of a large-scale innovative idea (the Global Virome Project) rather than a video to show specific scientific findings.

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Sent: 8/16/2018 7:58:28 AM
Subject: Re: SL finding

Thanks, Tracey.

*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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I am still trying to confirm if the paper will be in the August issue date. Once I know we will also let you know when we will put the press release out so we can coordinate.

Best, Tracey

On Wed, Aug 15, 2018 at 1:57 AM, Andrew Clements <aclements@usaid.gov> wrote:
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I'd like to make sure USAID's press release is coordinated with the UCD one.

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Sent: 8/20/2018 2:20:08 PM
Subject: Re: SL finding

Hi Andrew,

Just wanted to let you know the our paper "The discovery of Bombali virus adds further support for bats as hosts of ebolaviruses" has now been scheduled for Advance Online Publication (AOP) on *Nature Microbiology*'s website on **Monday 27 August 2018 at 800 PST / 1100 US Eastern time**. Our embargo will be lifted at that time.

Also attached is the the Press release that UC Davis and Columbia will jointly put out on Monday Aug 27th. Please let me know if you have any questions.

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Ebola Species Found in Bats Ahead of Any Potential Outbreak

Discovery Illustrates PREDICT Project's Goal to Find Viruses Before They Spillover into People

For the first time, scientists discovered a new ebola virus species in a host prior to detection in an infected human or sick animal.

The discovery of the Bombali virus in bats in Sierra Leone and the sequencing of the complete genome was officially published today in the journal *Nature Microbiology*. The Sierra Leone government announced preliminary findings in [late July](#).

The discovery was made by scientists at the University of California Davis' One Health Institute and Columbia University's Center for Infection and Immunity, working with the government of Sierra Leone and the University of Makeni and Metabiota. The work is part of the [PREDICT](#) Ebola Host Project, funded by the United States Agency for International Development.

PREDICT in action

The discovery illustrates the mission of USAID's PREDICT project, which aims to find viruses before they spillover into humans. The Bombali virus has the potential to infect human cells, but it is unknown if the virus has already caused human infections or if it is harmful to humans.

"Identifying new viruses like Bombali ebolavirus in wildlife and testing their capacity for human infection can enhance our understanding of the pre-emergent viral diversity circulating in animals," said co-lead author Simon Anthony, a virologist at Columbia University's Mailman School of Public Health. "We want to discover viruses that have the genetic prerequisites for human infection and then prioritize them for further study and intervention."

Bats likely hosts of ebolaviruses

Prior to the discovery of Bombali virus, five ebolavirus species had been described. For instance, Bombali virus is different from the Zaire ebolavirus, which killed thousands of people between 2013-2016. Despite more than 40 years of research, the reservoir hosts for these viruses is still unknown. But the discovery of Bombali virus adds to growing evidence that bats are the likely hosts of these viruses.

"If you want to prevent Ebola outbreaks, it's important to know which species are hosts and can shed the virus," said co-lead author Tracey Goldstein, an associate director of the One Health Institute at the UC Davis School of Veterinary Medicine. "Then we can help target changes in behavior so we can protect people, which is the overarching goal of our work."

The PREDICT team sampled more than 6,000 animals in Sierra Leone and performed laboratory tests to look for both known and unknown ebolaviruses. Bombali virus was found in five individual bats belonging to two different species of insectivorous bats that were found roosting inside people's houses.

Don't kill bats

The researchers emphasize that people should not attempt to kill or eradicate bats in response to the discovery. In fact, killing bats can actually increase the risk of virus transmission, not halt it.

Bats also play important ecological and agricultural roles for pollination. Insectivorous bats eat thousands of insects each night, helping to control pests that can transmit disease and damage crops.

Reducing exposure

Researchers have been engaging with local communities throughout the project. They continue to share results, answer questions and discuss with communities how they can live safely with bats and reduce their risk of exposure to the virus.

Infected bats are not known to show signs of illness but can shed the virus in their saliva and feces. As a result, other animals and people may be exposed if they touch live or dead bats, ingest food or water on which bats have fed or if they come into contact with the urine or feces of infected bats.

Media Contacts:

- Tracey Goldstein, UC Davis One Health Institute, 415-902-1486, tgoldstein@ucdavis.edu
- Simon Anthony, Columbia University Mailman School of Public Health, 212-342-0558, sja2127@cumc.columbia.edu
- Kat Kerlin, UC Davis News and Media Relations, 530-752-7704, kekerlin@ucdavis.edu
- Tim Paul, Columbia University Mailman School of Public Health, 212-305-2676, tp2111@columbia.edu

From: Hongying Li <li@ecohealthalliance.org>
Sent: Fri, 7 Sep 2018 04:00:11 +0800
To: Daniel Schar <dSchar@usaid.gov>, Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>
Cc: 博士 正丽 石 <zlshi@wh.iov.cn>, Ben Hu <REDACTED>, 刘军 <liujun@ivdc.chinacdc.cn>, 刘培培 <REDACTED>, 光剑 朱 <REDACTED>, 云智 张 <REDACTED>, Andrew Clements <aclements@usaid.gov>, apereira@usaid.gov, predict@ucdavis.edu, Ava Sullivan <sullivan@ecohealthalliance.org>, Aleksei Chmura <chmura@ecohealthalliance.org>
Subject: [predict] PREDICT2 Y4Q3 Mission/Partner Update_China
[Y4Q3 PREDICT Partner Updates_China_Final.pdf](#)

This email is sent on behalf of Dr. Zhengli Shi, PREDICT in-Country Coordinator of China
Dear Dan and Sudarat,

Attached please find the PREDICT 2 Y4Q3 Mission/Partner Updates from China. It will also be shared with our in-country partners in China on behalf of PREDICT, and I wanted to make sure you have a copy. Please feel free to let me know if you have any question.

Warmest Regards,

Zhengli SHI, Ph.D
Senior Scientist & Professor
Wuhan Institute of Virology, Chinese Academy of Sciences

REDACTED

Email: zlshi@wh.iov.cn

From: Anchalee Jatapai <ajatapai@usaid.gov>
To: Cassandra Louis Duthil <clouisduthil@usaid.gov>
CC: Andrew Clements <aclements@usaid.gov>; Katherine Leasure
<kaleasure@ucdavis.edu>; PREDICTMGT <predictmgt@usaid.gov>; Predict inbox
<predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Damrongwatanapokin,
Sudarat (RDMA/OPH) <sdamrongwatanapokin@usaid.gov>; dschar@usaid.gov
<dschar@usaid.gov>
Sent: 9/28/2018 9:08:44 AM
Subject: Re: Change to Approved ITA - E. Rubin (Thailand) Cancelled

Dear Casandra,
RDMA concurs the travel of David McIver to Thailand for GVP meeting.
Regards,
Anchalee

Sent from mobile phone

Anchalee Jatapai, PhD
GHSD Advisor
EPT Program, OPH, USAID

> On Sep 28, 2018, at 9:50 PM, Cassandra Louis Duthil <clouisduthil@usaid.gov> wrote:
>
> David McIver;

From: Andrew Clements <aclements@usaid.gov>
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
CC: Predict inbox <predict@ucdavis.edu>; PREDICTMGT <predictmgt@usaid.gov>; Jonna Mazet <jkmazet@ucdavis.edu>; Hannah R Chale <hrchale@ucdavis.edu>; David J Wolking <djwolking@ucdavis.edu>
Sent: 10/2/2018 12:46:23 PM
Subject: Re: AID-OAA-A-14-000102 Mod 13 University of California, Davis School of Veterinary Medicine

Thanks, Liz.

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 Tue, Oct 2, 2018 at 7:39 PM Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. Just reconfirming that this modification has been received and executed by UC Davis. Thanks!

Elizabeth Leasure

Financial Operations Manager

One Health Institute

530-304-1403 (cell)

530-754-9034 (office)

Skype: ealeasure

From: Elizabeth Leasure
Sent: Friday, September 21, 2018 9:07 AM
To: 'Jose Nunez Grullon' <jnunezgrullon@usaid.gov>; Paula Noble <pnoble@ucdavis.edu>; CFO.CMP Letter of Credit Activity (USAID) <loc@usaid.gov>; OBLDOCCMP (USAID) <obldoccmp@usaid.gov>; Andrew Clements <aclements@usaid.gov>; Amalhin Shek <ashek@usaid.gov>; Ashna Kibria <akibria@usaid.gov>
Cc: Patricia Bradley <pbradley@usaid.gov>; Melanie Davidson <mdavidson@usaid.gov>; Brittany Eborn <beborn@usaid.gov>
Subject: RE: AID-OAA-A-14-000102 Mod 13 University of California, Davis School of Veterinary Medicine

Thank you!

Elizabeth Leasure

Financial Operations Manager

One Health Institute

530-304-1403 (cell)

530-754-9034 (office)

Skype: ealeasure

From: Jose Nunez Grullon <jnunezgrullon@usaid.gov>

Sent: Friday, September 21, 2018 8:58 AM

To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>; Paula Noble <pnoble@ucdavis.edu>; CFO.CMP Letter of Credit Activity (USAID) <loc@usaid.gov>; OBLDOCCMP (USAID) <obldoccmp@usaid.gov>; Andrew Clements <aclements@usaid.gov>; Amalhin Shek <ashek@usaid.gov>; Ashna Kibria <akibria@usaid.gov>

Cc: Patricia Bradley <pbradley@usaid.gov>; Melanie Davidson <mdavidson@usaid.gov>; Brittany Eborn <beborn@usaid.gov>

Subject: AID-OAA-A-14-000102 Mod 13 University of California, Davis School of Veterinary Medicine

Dear all,

Please find attached modification 13 to subject award.

Should you have any questions in this regard, do not hesitate to contact this office.

Sincerely,

JOSE L. NUNEZ

Sr. Acquisition and Assistance Specialist

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT

Office of Acquisition and Assistance

(Contractor-Jefferson Solutions, LLC)

1666 K St. NW Suite 1250

Washington, DC, 20006

T 202 626-8550

USAID.GOV | jnunezgrullon@usaid.gov | @USAID

Sent: Mon, 15 Oct 2018 20:06:55 -0700
Subject: Re: Thailand National Virome Project Planning
From: Jonna Mazet <jkmazet@ucdavis.edu>
To: "Damrongwatanapokin, Sudarat (RDMA/OPH)" <sdamrongwatanapokin@usaid.gov>
Cc: **REDACTED**, Cara Chrisman <cchrisman@usaid.gov>, Dennis Carroll <DCarroll@usaid.gov>, noppavan.j@dmsc.mail.go.th, "Daniel (RDMA/OPH) Schar" <dSchar@usaid.gov>

Dear Sudarat,

Thank you for your reply. Can you please let us know who has received notice of the meeting, especially of those who we are hoping will speak? We were just looking at the last iteration of the agenda and considering how to make the adjustment for Dean Parntep to fit into his schedule. If most have yet to be invited, I'm afraid, we will have to do a lot of juggling of the agenda to accommodate schedules and get the critical participation, since the meeting is only one week away. Please advise on who you believe will be in attendance and speaking.

Thank you,

Jonna

On Mon, Oct 15, 2018 at 7:54 PM Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov> wrote:

The invitation will be issue to Dr.Parntep directly, he is on the invitee list. However, this is in slow process due to arrival of new DG who is just on board. However, I had discussed with Dr.Wittawat (MOZWE) and Dr.Boripat , Zoological Parks Organization on this. They will meet in person this afternoon.

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor
USAID Regional Development Mission Asia

REDACTED

E-mail: sdamrongwatanapokin@usaid.gov

Tel: **REDACTED**, Fax: **REDACTED**

On Tue, Oct 16, 2018 at 9:46 AM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Dear Parntep,

Wonderful news that you will squeeze us into your busy schedule. We will work with your assistant to schedule the meeting on the 23rd and to revise our agenda for the meeting to have you speak on the 24th in your window of availability.

Thank you so much & huge apologies that you have not received the invitation to speak. I will check with the local planners to see what has happened to those invitations.

With sincere appreciation,

Jonna

On Sun, Oct 14, 2018 at 12:28 AM Parntep Ratanakron <parntep.rat@mahidol.edu> wrote:

Dear Jonna

Sorry for delay reply.I just back from Belgium.

So far at this moment ,I did not have any invitation you mentioned.I will host WAZA2018 conference in BKK 22-25/10.I have a small slot on the early afternoon on Wed24/10.On Tue23 in the afternoon is also find for me.

Hope to see you again.

Sincerely yours,

Parntep

On Friday, October 12, 2018, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Dear Dean Parntep,

How are you? I hope all is well.

I am excited that we will take the next steps in exploring and planning for a Thailand National Virome Project this month.

I know that you have been invited as a key speaker for the meeting, scheduled for week after next (October 24-25). Of course, as we previously discussed, your participation in the meeting and the initiative as the lead of the wildlife community and liaison for the Ministry of Natural Resources and the Environment is critical. I heard that you may only be available the afternoon of the 24th. If that is the case, may I confirm your availability to speak then and adjust the schedule to have you on the agenda on the 24th?

Dennis Carroll and I, as well as the rest of the US participants, will be doing some final planning the day before the official meeting (October 23rd) at the Conrad Hotel. Would you be available to spend some time with us that day to continue to discuss the initiative? Your helping us to understand the potential for the initiative's success is crucially important to us. Of course, our working together would also ensure the meeting goes well on the subsequent days. I understand that the 23rd is a holiday, so I understand that meeting may not be a possibility, but if you could spare us an hour, we would be extremely grateful.

Looking forward to hearing from you and seeing you,
Jonna

[Jonna AK Mazet, DVM, MPVM, PhD](#)

Professor of Epidemiology & Disease Ecology
Executive Director, One Health Institute
Global Director, PREDICT Project of USAID Emerging Pandemic Threats Program

School of Veterinary Medicine
University of California
[1089 Veterinary Medicine Drive](#)
[Davis, CA 95616, USA](#)
+1-530-752-3630
onehealthinstitute.net

For scheduling and logistical issues, please contact:
Ms. Brooke Genovese
bgenovese@ucdavis.edu
[+1-530-752-3630](tel:+15307523630)

From: **REDACTED**
To: Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov>, Jonna Mazet <jkmazet@ucdavis.edu>, "cchrisman@usaid.gov" <cchrisman@usaid.gov>, "dcarroll@usaid.gov" <dcarroll@usaid.gov>
Subject: RE: Thailand National Virome Project Planning
Sent: Tue, 16 Oct 2018 18:14:36 +0000
[Thailand NVP RSVP list.xlsx](#)

Hi Sudarat,

Could you share the current RSVP status using the spreadsheet attached? Please edit or revise the list based on discussions at the planning meetings.

Thank you,
Eri

Eri Togami DVM MPH
Fellow
One Health Institute
School of Veterinary Medicine
University of California, Davis

From: Sudarat Damrongwatanapokin [mailto:sdamrongwatanapokin@usaid.gov]
Sent: Tuesday, October 16, 2018 12:35 AM
To: Jonna Mazet <jkmazet@ucdavis.edu>; Parntep Ratanakorn <parntep.rat@mahidol.ac.th>; Boripat Siriaronrat <**REDACTED**>; Pratap Singhasivanon <pratap.sin@mahidol.ac.th>; Dennis Carroll <dcarroll@usaid.gov>; Noppavan Janejai <noppavan.j@dmsc.mail.go.th>; **REDACTED**; Cara Chrisman <cchrisman@usaid.gov>; Kevin Olival, PhD <olival@ecohealthalliance.org>
Cc: Daniel (RDMA/OPH) Schar <dSchar@usaid.gov>; Monta Thammasatta <monta@nstda.or.th>; Thanat Chookajorn <thanat.cho@mahidol.edu>; Bandit Nuansrichay **REDACTED**; Supaporn Wacharapluesadee <**REDACTED**>; Prasert Auewarakul <prasert.aue@mahidol.ac.th>; Melissa Jones <mejones@usaid.gov>; Anchalee Jatapai <ajatapai@usaid.gov>
Subject: Re: Thailand National Virome Project Planning

Dear All,

The most updated agenda attached. The meeting venue is at Pullman Hotel, King Power, Rangnam

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor

REDACTED
E-mail: sdamrongwatanapokin@usaid.gov
REDACTED

On Tue, Oct 16, 2018 at 1:53 PM, Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov> wrote:
Dear Jonna,

As mentioned to you earlier, DMSC has reached out to anticipated speakers and Thai network in person due to complicated procedure required by RTG. I understand that Parntep, Pratap (Thanat), DMSC, Thiravat, DLD, NSTDA, and others have been contacted. I will leave this to Dr. Noppavan and her team who are able to provide the update on this. I think the schedule is quite flexible in the afternoon of the 1st day and we will try our best to accomodate Dr.Parntep's schedule.

Please be sure that at least DMSC, NSTDA, Thanat, Supaporn, Prasert, and Department of Livestock Development are the organizing committee and we rely on the team to reach out to the networks in the country. I committed to contact

Drs. Parntep and Pratap (Thanat) on behalf of them.

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor

REDACTED

E-mail: sdamrongwatanapokin@usaid.gov

Tel: + **REDACTED**

On Tue, Oct 16, 2018 at 10:06 AM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Dear Sudarat,

Thank you for your reply. Can you please let us know who has received notice of the meeting, especially of those who we are hoping will speak? We were just looking at the last iteration of the agenda and considering how to make the adjustment for Dean Parntep to fit into his schedule. If most have yet to be invited, I'm afraid, we will have to do a lot of juggling of the agenda to accommodate schedules and get the critical participation, since the meeting is only one week away. Please advise on who you believe will be in attendance and speaking.

Thank you,
Jonna

On Mon, Oct 15, 2018 at 7:54 PM Sudarat Damrongwatanapokin <sdamrongwatanapokin@usaid.gov> wrote:

The invitation will be issue to Dr.Parntep directly, he is on the invitee list. However, this is in slow process due to arrival of new DG who is just on board. However, I had discussed with Dr.Wittawat (MOZWE) and Dr.Boripat , Zoological Parks Organization on this. They will meet in person this afternoon.

Best regards,
Sudarat Damrongwatanapokin, D.V.M., Ph.D.
Regional Animal Health Advisor

REDACTED

E-mail: sdamrongwatanapokin@usaid.gov

Tel: + **REDACTED**

On Tue, Oct 16, 2018 at 9:46 AM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Dear Parntep,

Wonderful news that you will squeeze us into your busy schedule. We will work with your assistant to schedule the meeting on the 23rd and to revise our agenda for the meeting to have you speak on the 24th in your window of availability.

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With sincere appreciation,
Jonna

On Sun, Oct 14, 2018 at 12:28 AM Parntep Ratanakron <parntep.rat@mahidol.edu> wrote:

Dear Jonna

Sorry for delay reply.I just back from Belgium.

So far at this moment ,I did not have any invitation you mentioned.I will host WAZA2018 conference in BKK 22-25/10.I have a small slot on the early afternoon on Wed24/10.On Tue23 in the afternoon is also find for me.

Hope to see you again.

Sincerely yours,
Parntep

On Friday, October 12, 2018, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Dear Dean Parntep,

How are you? I hope all is well.

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Looking forward to hearing from you and seeing you,
Jonna

Jonna AK Mazet, DVM, MPVM, PhD

Professor of Epidemiology & Disease Ecology

Executive Director, One Health Institute

Global Director, PREDICT Project of USAID Emerging Pandemic Threats Program

School of Veterinary Medicine

University of California

[1089 Veterinary Medicine Drive](#)

[Davis, CA 95616, USA](#)

+1-530-752-3630

onehealthinstitute.net

For scheduling and logistical issues, please contact:

Ms. Brooke Genovese

bgenovese@ucdavis.edu

+1-530-752-3630

Thailand National Virome Project RSVP list

Speaker?	First name	Last name	Invited?	Confirmed?	Organization
Yes	Suwit	Wibulpolprasert			Ministry of Public Health
Yes	Supaporn	Wacharapluesadee			Thai Red Cross (TRC-EID), WHO Collabo
	Pasin	Hemachudha			Thai Red Cross (TRC-EID), WHO Collabo
	Apaporn	Rodpan			Thai Red Cross (TRC-EID), WHO Collabo
	Sukhum	Kanjanapimai			Ministry of Public Health
Yes	Noppavan	Janejai			Ministry of Public Health, Department o
Yes	Thiravat	Hemachudha			Chulalongkorn University, Faculty of M
Yes	Parntep	Ratanakron			Ministry of Natural Resources and Envi
	Prasit	Palittapongarnpim			Ministry of Science and Technology, NS
	Arunee	Thitithanyanont			Ministry of Science and Technology, NS
Yes	Pratap	Singhasivanon			Mahidol University, Faculty of Tropical
(Yes)	Thanat	Chookajorn			Mahidol University, Faculty of Tropical
	Boripat	Siriaroonrat			Zoological Parks Organization
	Witthawat	Wiriyarat			Mahidol University, Monitoring and Su
	Sudarat	Damrongwatanapokin			USAID RDMA
Yes	Prasert	Auewarakul			Ministry of Science and Technology
	??	??			Department of Livestock Development
	Tanit	Changthavorn			Environmental law specialist, deputy d
	??	??			FAO
Yes	Malinee	Chittaganpitch			Ministry of Public Health, Department o
Yes	Bandit	Nuansrichay			Ministry of Agriculture and Cooperativ
Please fill out others here					
Yes	Dennis	Carroll	Yes	Yes	GVP
Yes	Jonna	Mazet	Yes	Yes	GVP
Yes	Kevin	Olival	Yes	Yes	GVP
Yes	Sam	Halabi	Yes	Yes	GVP
Yes	Dave	Mclver	Yes	Yes	GVP
No	Cara	Chrisman	Yes	Yes	GVP
No	REDACTED		Yes	Yes	GVP

rating Center for Research and Training on Viral Zoonoses, Chulalongkorn University
rating Center for Research and Training on Viral Zoonoses, Chulalongkorn University
rating Center for Research and Training on Viral Zoonoses, Chulalongkorn University

f Medical Science

edicine

ronment, Department of National Parks, Wildlife and Plant Conservation, ZPO, and MOZWE

TDA

TDA

Medicine

Medicine

veillance Center for Zoonotic Disease in Wildlife and Exotic Animals (MOZWE)

irector of Biodiversity-Based Economy Development Office (BEDO)

f Medical Sciences, National Institute of Health (NIH)

es, National Institute of Animal Health

From: Andrew Clements <aclements@usaid.gov>
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
CC: Jonna Mazet <jkmazet@ucdavis.edu>; David John Wolking <djwolking@ucdavis.edu>; Corina Grigorescu Monagin <cgmonagin@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>
Sent: 10/18/2018 9:52:37 AM
Subject: Re: PREDICT 2 Budget

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 Oct 18, 2018, at 5:57 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. The fully-loaded P2 Bangladesh budget for Y5 is \$1,546,538. Please note that this amount includes Y4 carryover. The Y5 Bangladesh budget **EXCLUSIVE** of carryover is \$1,315,173. I leave it to your discretion to decide which figure (inclusive or exclusive of Y4 carryover) you wish to provide. Let me know if you have any questions or need further clarification.

Thanks!
Liz

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

From: Andrew Clements <aclements@usaid.gov>
Sent: Thursday, October 18, 2018 12:25 AM
To: Jonna Mazet <jkmazet@ucdavis.edu>
Cc: David John Wolking <djwolking@ucdavis.edu>; Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Subject: Re: PREDICT 2 Budget

Yes. 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 Oct 18, 2018, at 3:07 AM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

That's our standard response, as you usually provide the Missions with the money info. Want Liz to give you the current numbers?
J

On Wed, Oct 17, 2018 at 12:58 PM Andrew Clements <aclements@usaid.gov> wrote:

FYI

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: Ariful Islam <arif@ecohealthalliance.org>

Date: October 17, 2018 at 11:34:44 AM GMT+2

To: Ariella Camera <acamera@usaid.gov>

Cc: Andrew Clements <aclements@usaid.gov>

Subject: Re: PREDICT 2 Budget

Dear Ariella:

I have not yet know the estimated budget of P2 FY19-Bangladesh amount. I've forwarded your request to headquarters about in country budget . I think they will contact you directly regarding budget issues.

with best regards

Arif

On Wed, Oct 17, 2018 at 7:44 AM Ariella Camera <acamera@usaid.gov> wrote:

Hi Arif,

Can you let me know what the estimated budget is for the PREDICT 2 workplan?

Thank you,

Ariella Camera

Deputy Director

Health Systems Strengthening Pillar

Office of Population, Health, Nutrition, and Education

USAID/Bangladesh

Tel: +880-2-55662560

Cell: +880-1755648968

Email: acamera@usaid.gov

**Bangladesh is 10 hours ahead of Washington, D.C., and +6 GMT. Our work week is Sunday through Thursday.*

From: Leilani Francisco <francisco@ecohealthalliance.org>
To: Jonna Mazet <jkmazet@ucdavis.edu>
CC: Emily Hagan <hagan@ecohealthalliance.org>; Peter Daszak <daszak@ecohealthalliance.org>
Sent: 10/18/2018 10:30:33 AM
Subject: RE: ppt file with a couple of pics

Thanks Jonna.

Please find attached the 4 slides.

I've also attached a Gantt chart that contains a little more detail. I was able to incorporate feedback from all partner teams on whether the qualitative analysis deadline in particular was feasible.

I look forward to your thoughts.

Best,

Leilani

From: Jonna Mazet <jkmazet@ucdavis.edu>
Sent: Thursday, October 18, 2018 1:50 AM
To: Leilani Francisco <francisco@ecohealthalliance.org>
Cc: Emily Hagan <hagan@ecohealthalliance.org>; Peter Daszak <daszak@ecohealthalliance.org>
Subject: Re: ppt file with a couple of pics

To be sure we are on the same page, as you say you are finalizing:

That figure is not at all what we talked about and that I suggested we could generate together before I left.

You said we didn't need to do it together and would send to me the following (now last) week. We talked about 4 slides (1 for each quarter) with milestone/deliverable boxes that could be checked off for each quarter. The big milestones/deliverables we discussed for this quarter were the slides for PPFST and the write-up of the overall methods/study design for the behavioral scope, including anticipated outputs. We need the detailed write-up for the final report chapter, and the anticipated product list will help us to make sure that we are on the same page for deliverables and that we have explicit and matching expectations. Other pieces we discussed having on this quarters slide were exploration and timeline development for the deep dives and plan for analyses with behavioral outcomes, such as exposure to rodents, etc.

Please keep our discussion and this email in mind when you send the milestone schedule. I'm not really sure how the partner-wide discussion will really inform much of the timeline, since it is work I am expecting specifically from you.

Best,

Jonna

On Wed, Oct 17, 2018 at 9:18 AM Leilani Francisco <francisco@ecohealthalliance.org> wrote:

Thanks Jonna.

The existing milestone timeline (below) is fairly on target but I want to give all partners a chance to confirm. We have a partner-wide meeting this afternoon to discuss.

Best,

Leilani



From: Jonna Mazet <jkmazet@ucdavis.edu>
Sent: Wednesday, October 17, 2018 12:15 PM
To: Leilani Francisco <francisco@ecohealthalliance.org>
Cc: Emily Hagan <hagan@ecohealthalliance.org>; Peter Daszak <daszak@ecohealthalliance.org>
Subject: ppt file with a couple of pics

See attached.

Looking forward to receiving quarterly timeline with milestones & your PPFST slides.

Thanks for the meeting,

Jonna



Path Toward Success

Behavioral Risk Milestones

****Completion of Interviews and Surveys in Year 5 Quarter 1 (End of 2018)****

- Completion of behavioral risk data collection
- Summary of behavioral risk data collection standardization (including study design, methods, anticipated outputs, and lessons learned)
- PPFST presentation



Path Toward Success

Behavioral Risk Milestones

****Year 5 Quarter 2 (end of March 2019)****

- Completion of bat book module for guano mining and farming
- Completion of bat book module for cave tourism
- Completion of quantitative analysis for deep dive intervention development



Path Toward Success

Behavioral Risk Milestones

****Year 5 Quarter 3 (end of June 2019)****

- Behavioral risk characterization of human contact with animals
- Completion of qualitative analysis for deep dive intervention development
- Completion of draft deep dive intervention recommendations
- Completion of collection of local level and international feedback



Path Toward Success

Behavioral Risk Milestones

****Year 5 Quarter 4 (end of September 2019)****

- Finalization of deep dive intervention recommendations
- Exploration of combined regional interventions
- As time and resources allow, bat book evaluation results

Produced in Native Format

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: 11/14/2018 12:21:48 AM
Subject: Re: PREDICT International Travel Requests

Paris 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 Nov 14, 2018, at 12:10 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 (France): \$7500 airfare *business class required **REDACTED** \$608 (Paris) max daily per diem
2. Gillis (DRC): \$1535 airfare/\$394 (Kinshasa) max daily per diem
3. Laudisoit (CIV): \$2225 airfare/\$344 (Abidjan) max daily per diem

Travel Requests –

1. 1. EcoHealth Alliance would like to request travel approval for Dr. William Karesh to travel from New York, NY, USA to Paris, France from December 3-8, 2018 to speak at the World Organisation for Animal Health's (OIE) Working Group on Wildlife Meeting.

Trip purpose: Dr. Karesh is to 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.

2. Metabiota would like to request travel approval for Amethyst Gillis, PREDICT Laboratory QAQC Coordinator to travel from Yaounde, Cameroon to Kinshasa, Democratic Republic of Congo from December 16-22, 2018 to support PREDICT-2 laboratory activities.

Trip purpose: In Kinshasa, Ms. Gillis will support laboratory activities, complete pending barcoding, organize freezers and supplies in preparation for the end of the PREDICT-2 project and organize and prepare samples for shipments.

3. EcoHealth Alliance would like to request travel approval for Dr. Anne Laudisoit to travel from New York, NY, USA to Abidjan, Cote d'Ivoire from December 13-21, 2018, for PREDICT CIV sample screening follow-up, official meetings with One Health stakeholders, Y5 training planning, and to attend the mission invited USAID EPT2/GHSA/Ebola Prep Partner Meeting.

Trip purpose: Dr. Laudisoit will visit the IPCI PREDICT laboratory and hold a meeting with the joint IPCI-LANADA team. She will meet the new laboratory supervisor in charge of plate sequencing, discuss progress and assess reagents needs. While in CIV, Anne will conduct a site performance assessment at IPCI, Adiopodoume. She will also provide training to enter results and sequences into EIDITH. On this visit,

the team will plan activities for 2019 (January - September), in particular, timing for training and workshops in the concurrent site and clinics in Bonon and Bouafle. They will also make sure samples for the serology study are selected and ready to be shipped with ideal route and courier identified. Dr. Laudisoit will also attend the USAID EPT2/GHSA/Ebola partner meeting on December 20th.

Katherine Leasure

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.

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/03e901d47ba6%2423022e00%2469068a00%24%40ucdavis.edu>.

From: Andrew Clements <aclements@usaid.gov>
To: Jonna Mazet <jkmazet@ucdavis.edu>; Brian Bird <bhbird@ucdavis.edu>
CC: Pereira, Alisa (GH/HIDN) <apereira@usaid.gov>; Cara Chrisman
<cchrisman@usaid.gov>; Carroll, Dennis (GH/HIDN) <DCarroll@usaid.gov>; Amalhin Shek
<ashek@usaid.gov>
Sent: 12/20/2018 12:48:45 PM
Subject: Fwd: Requested revision to Sierra Leone Marburg article (12/20/2018)

Sounds like I got the same explanation as Brian on the WaPo policy of not mentioning funding agencies.

If nothing else, I got the opportunity to point her to the PREDICT website so maybe that will lead to the use of PREDICT information in future articles.

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>

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

From: **Andrew Clements** <aclements@usaid.gov>
Date: Thu, Dec 20, 2018 at 9:44 PM
Subject: Re: Requested revision to Sierra Leone Marburg article (12/20/2018)
To: Sun, Lena <Lena.Sun@washpost.com>

Thanks for the explanation. Just so you know, the PREDICT project was developed by USAID and put out for bid. I mention that to highlight that USAID provided substantial technical input into the design and is not just the funder of the work.

Regarding USAID/PREDICT work (PREDICT-1 from 2009-2014 and PREDICT-2 from 2014-2019), you can look at this link: <https://www2.vetmed.ucdavis.edu/ohi/predict/>. There's a specific section on news and impact that you might find interesting.

If you are ever interested in doing a piece on our proactive approach to finding known and novel threats in animals before they emerge in people, let me know. PREDICT-2 will be concluding in September 2019 so there will be lots of good information coming out around then to show the value of this approach.

Andrew

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

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On Thu, Dec 20, 2018 at 9:08 PM Sun, Lena <Lena.Sun@washpost.com> wrote:

Hi Andrew: thanks for your message. We don't usually mention funding because it's not my job to promote specific branding or collaboration. We write all the time about studies and research funded by the NIH but we don't say it was funded by the NIH.

In the story I wrote about Marburg in Uganda that ran in print earlier this week, I took note that CDC was seeking funding from the Pentagon's DTRA to underscore the seriousness of

the global threat.

At some point, though, I would be interested in getting more details about the PREDICT project and the kinds of research it has produced, and what impact that has had.

thanks

Lena H. Sun

Reporter

The Washington Post

Twitter: @bylenasun

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SecureDrop is a safe way for readers to share messages, materials and story tips with Washington Post journalists. <https://www.washingtonpost.com/securedrop/>

From: Andrew Clements [mailto:aclements@usaid.gov]

Sent: Thursday, December 20, 2018 10:46 AM

To: Sun, Lena <Lena.Sun@washpost.com>

Subject: Requested revision to Sierra Leone Marburg article (12/20/2018)

[EXTERNAL EMAIL]

Hello Ms. Sun,

I am the project manager for the USAID-funded PREDICT project under which the University of California-Davis conducted this work.

Would it be possible to amend the article to both mention USAID funding and PREDICT (preferably as “USAID-funded PREDICT project”) since PREDICT is a widely known project within the emerging disease community. We’d like to make sure that American taxpayers get credit for supporting such important work before outbreaks occur.

Thank you.

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: Tracey Goldstein <tgoldstein@ucdavis.edu>
To: Stokes, Martha M CIV (USA) <martha.m.stokes.civ@mail.mil>
CC: Jonna Mazet <jkmazet@ucdavis.edu>; Anthony, Simon J. <sja2127@cumc.columbia.edu>; Katie Leahy <katie.leahy@globalsyseng.com>; Jon Epstein <epstein@ecohealthalliance.org>
Sent: 1/8/2019 8:45:54 AM
Subject: Re: Meeting at ASM Conference

Dear Marty,

Happy New year! Thank you for the great news - that is a great development. That sounds great about another planning meeting in Arlington. Please let us know if there is anything we can do to help with that.

Looking forward to it, Tracey

On Tue, Jan 8, 2019 at 2:48 AM Stokes, Martha M CIV (USA) <martha.m.stokes.civ@mail.mil> wrote:
Dear all,

Happy New Year!

I hope everyone had some relaxing and much needed time off during the holidays.

As an update from our last conversations before Christmas, Lance has briefed the Director for the Cooperative Threat Reduction Program on the concept we've developed to safeguard and continue utilizing the valuable resources that have resulted from the PREDICT effort. The Director understood both the rationale for this as well as the urgency to do so, which is wonderful news, and provides us with a much higher level of support. Lance is currently arranging a meeting between Dr. Pope and USAID leadership (I assume this will be Dennis), to discuss this along with other areas of collaboration between BTRP and USAID. So this is a really good development, and takes all our discussions and plans to the next level.

As discussed, we will all be at the ASM Biothreats meeting in Arlington the end of the month. I'd like to hold a side meeting during the conference, and Lance has agreed to attend so we can continue strategizing on how to move forward. I'm not sure that the meeting Lance is organizing with USAID will have taken place by then, but I think it would be a good idea for him to join in our discussions regardless. I'm going to ask Katie to work on a room venue and time for us, and hopefully we'll be able to secure a room at the conference site. I'm looking forward to seeing all of you soon and continuing this important mission with you!

Best,
Marty

Martha M Stokes, PhD
Southeast Asia Regional Science Manager
Biological Threat Reduction Program (BTRP)
martha.m.stokes.civ@mail.mil
Desk: 571 616-6376 Cell: 571 455-9194

--

From: Alison Andre <andre@ecohealthalliance.org>
To: Jonna Mazet <jkmazet@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>, "William B. Karesh" <karesh@ecohealthalliance.org>, Amanda Andre <amanda.andre@ecohealthalliance.org>
Subject: Re: Peter & Jonna call, tomorrow
Sent: Fri, 25 Jan 2019 20:33:23 +0000

Hi All,
Since Billy is planning to join as well, I've reserved our domestic line for 2:30pm PT/5:30pm ET this afternoon:

Dial-in: **REDACTED**
Passcode: **REDACTED**

Best,
Alison

From: Peter Daszak <daszak@ecohealthalliance.org>
Date: Friday, January 25, 2019 at 1:00 PM
To: Brooke Genovese <bgenovese@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>
Subject: RE: Peter & Jonna call, tomorrow

Great – thanks – Billy will be on as well...

Cheers,

Peter

Peter Daszak
President

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

Tel. +1 212-380-4474
Website: www.ecohealthalliance.org
Twitter: [@PeterDaszak](https://twitter.com/PeterDaszak)

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: Brooke Genovese [mailto:bgenovese@ucdavis.edu]
Sent: Thursday, January 24, 2019 4:36 PM
To: Alison Andre
Cc: Peter Daszak; Jonna Mazet
Subject: Peter & Jonna call, tomorrow

Hi Alison,

Peter and Jonna were planning on talking tomorrow evening, but Jonna has a meeting from 1:00 – 2:30pm PT. Could you let Peter know he can call whenever is most convenient after 2:30pm PT / 5:30 pm ET?

Thanks!
-Brooke

From: Andrew Clements <aclements@usaid.gov>
To: David J Wolking <djwolking@ucdavis.edu>
CC: Alisa Pereira Emerging Threats Division <apereira@usaid.gov>; PREDICTMGT <predictmgt@usaid.gov>; predict@ucdavis.edu <predict@ucdavis.edu>; Prof. Jonna Mazet <jkmazet@ucdavis.edu>; Elizabeth Leasure <ealeasure@ucdavis.edu>
Sent: 2/20/2019 6:05:06 AM
Subject: Re: Notification of Change in P2 Key Personnel

Thanks, David.

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 Tue, Feb 19, 2019 at 9:09 PM David J Wolking <djwolking@ucdavis.edu> wrote:
Hi Andrew and Alisa,

My apologies for the misunderstanding on our call earlier today. It appears this message with regard to notification of a change in P2 key personnel, while prepared for circulation on February 6th, never made it out of our UC Davis mail ecosystem.

Attached is the our official notification of this change due to the resignation of Dr. Leilani Francisco. Please let us know if you have any questions or concerns.

Best,

David

From: Andrew Clements <aclements@usaid.gov>
Sent: Thu, 21 Feb 2019 07:17:42 -0800
Subject: Re: Dates for PREDICT All Country meeting
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Cc: Alisa Pereira <apereira@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, predict Sympa List <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, David John Wolking <djwolking@ucdavis.edu>

Checking on this now.

*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 20, 2019, at 6:43 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. Just following up regarding your preferred dates for the All Country meeting. We're at a point now where we need to start obtaining quotes from meeting venues and visas for participants from certain countries. If you could provide a range of dates that work for you, we can circle back with EB to pick the optimal date.

Thanks,
Liz

*Elizabeth Leasure
Financial Operations Manager
One Health Institute
[REDACTED] (cell)
530-754-9034 (office)
Skype: ealeasure*

From: Andrew Clements <aclements@usaid.gov>
Sent: Thu, 21 Feb 2019 12:17:09 -0800
Subject: Re: Dates for PREDICT All Country meeting
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Cc: Alisa Pereira <apereira@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>, predict Sympa List <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, David John Wolking <djwolking@ucdavis.edu>

Look like the best week for me is Sep 16-20 with a preference for the meeting being Sep 18-19 (but may be some flexibility). Were you thinking 2 days or 3?

*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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Thanks,
Liz

*Elizabeth Leasure
Financial Operations Manager
One Health Institute
[REDACTED] 3 (cell)
530-754-9034 (office)
Skype: ealeasure*

From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Andrew Clements <aclements@usaid.gov>
CC: Peter Daszak <daszak@ecohealthalliance.org>; PREDICTMGT <predictmgt@usaid.gov>
Sent: 2/27/2019 8:47:23 AM
Subject: Re: PREDICT briefing for DOD?

Hi Andrew,

I'm sure we can arrange it. Did she give you a desired timeframe? Should we reach out to Franca directly to coordinate, or would you like to handle it?

Let us know how to proceed & happy to do it,
Jonna

On Wed, Feb 27, 2019 at 5:49 AM Andrew Clements <aclements@usaid.gov> wrote:
Hi Jonna and Peter,

Franca Jones wrote to us recently to see if PREDICT could, at your convenience, provide a briefing/update to the Armed Forces Health Surveillance Branch and perhaps others at the Defense Health Agency. The briefing would be relevant to their Integrated Biosurveillance Section and GEIS. They are interested in progress, surveillance, hot-spot mapping (algorithms), etc.

Please let me know if this is something that could be arranged.

Thanks!

Andrew

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: Peter Daszak <daszak@ecohealthalliance.org>
To: Andrew Clements <aclements@usaid.gov>; Jonna Mazet <jkmazet@ucdavis.edu>
CC: PREDICTMGT <predictmgt@usaid.gov>
Sent: 2/27/2019 8:48:23 AM
Subject: RE: PREDICT briefing for DOD?

Definitely – let's work on dates. Franca was v. supportive of this work at the OSTP and it would be a good way to continue getting the message out...

Cheers,

Peter

Peter Daszak
President

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

Tel. +1 212-380-4474
Website: www.ecohealthalliance.org
Twitter: [@PeterDaszak](https://twitter.com/PeterDaszak)

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: Andrew Clements [mailto:aclements@usaid.gov]
Sent: Wednesday, February 27, 2019 8:49 AM
To: Jonna Mazet; Peter Daszak
Cc: PREDICTMGT
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Thanks!

Andrew

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

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From: Andrew Clements <aclements@usaid.gov>
To: Jonna Mazet <jkmazet@ucdavis.edu>
CC: Peter Daszak <daszak@ecohealthalliance.org>; PREDICTMGT <predictmgt@usaid.gov>
Sent: 2/27/2019 10:18:37 AM
Subject: Re: PREDICT briefing for DOD?

Thanks to you both.

She did not mention timeframe. Go ahead and work directly with her to figure that out. No need to copy us on the gory detail, but let us know when you have a date (in case Alisa and/or Cara are available to attend) and share highlights of the discussion when it happens.

In case you don't have it, her email is franca.r.jones.mil@mail.mil

*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 27, 2019, at 5:47 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Hi Andrew,
I'm sure we can arrange it. Did she give you a desired timeframe? Should we reach out to Franca directly to coordinate, or would you like to handle it?
Let us know how to proceed & happy to do it,
Jonna

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Please let me know if this is something that could be arranged.

Thanks!

Andrew

*Andrew Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
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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: Jonna Mazet <jkmazet@ucdavis.edu>
To: franca.r.jones.mil@mail.mil <franca.r.jones.mil@mail.mil>
CC: AOTR/Grant Manager Andrew Clements <AClements@usaid.gov>; Peter Daszak <daszak@ecohealthalliance.org>; PREDICTMGT <predictmgt@usaid.gov>; Predict inbox <predict@ucdavis.edu>; Christine Kreuder Johnson <ckjohnson@ucdavis.edu>; Tracey Goldstein <tgoldstein@ucdavis.edu>; Billy Karesh <karesh@ecohealthalliance.org>
Sent: 3/8/2019 10:14:53 AM
Subject: Fwd: PREDICT briefing for DOD?

Dear Franca,

Hope you are well -- it has been some time.

Andrew mentioned that you would like to arrange for a Predict briefing. We'd be happy to put something together that is tailored toward the interests of your audience. Do you have a timeframe in mind?

Looking forward to seeing you again,

Jonna

Jonna AK Mazet, DVM, MPVM, PhD
Professor of Epidemiology & Disease Ecology
Executive Director, One Health Institute
Global Director, PREDICT Project of USAID Emerging Pandemic Threats Program

School of Veterinary Medicine
University of California
1089 Veterinary Medicine Drive
Davis, CA 95616, USA
+1-530-752-3630
onehealthinstitute.net

For scheduling and logistical issues, please contact:
Ms. Brooke Genovese
bgenovese@ucdavis.edu
~~+1-530-752-3630~~

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

From: **Andrew Clements** <aclements@usaid.gov>
Date: Wed, Feb 27, 2019 at 5:49 AM
Subject: PREDICT briefing for DOD?
To: Jonna Mazet <jkmazet@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>
Cc: PREDICTMGT <predictmgt@usaid.gov>

Hi Jonna and Peter,

Franca Jones wrote to us recently to see if PREDICT could, at your convenience, provide a briefing/update to the Armed Forces Health Surveillance Branch and perhaps others at the Defense Health Agency. The briefing would be relevant to their Integrated Biosurveillance Section and GEIS. They are interested in progress, surveillance, hot-spot mapping (algorithms), etc.

Please let me know if this is something that could be arranged.

Thanks!

Andrew

Andrew Clements, Ph.D.
Senior Scientific Advisor
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health
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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: **REDACTED**
To: Ben Oppenheim <boppenheim@metabiota.com>, Nita Madhav <nmadhav@metabiota.com>, Dean Jamison <djamison@uw.edu>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>, Cara Chrisman <cchrisman@usaid.gov>, "dcarroll@usaid.gov" <dcarroll@usaid.gov>, Samantha Maher <maher@ecohealthalliance.org>, Peter Daszak <daszak@ecohealthalliance.org>, "nwolfe@metabiota.com" <nwolfe@metabiota.com>, Eddy Rubin <erubin@metabiota.com>
Subject: Thank you & additional information
Sent: Mon, 18 Mar 2019 21:25:59 +0000

Dear Ben, Nita and Dean,

It was wonderful to meet you last Wednesday and thank you for a very productive meeting. I would like to share excerpts from Peter's GVP presentation slides about what the GVP is and is not, below. We are happy to follow up with other relevant materials that we discussed during the meeting, soon. In the meantime, please let me know if you have any questions or if there are any time sensitive materials that you need.

- What the GVP is:
 - Global partnership led by partners
 - A *targeted* surveillance strategy
 - A program that samples animals and humans
 - A syndromic surveillance system
 - Good value for money
- What the GVP is not:
 - Sequence database
 - A tool to predict the next pandemic
 - A random shotgun approach
 - A US-based project
 - Unaffordably expensive

We look forward to continue working with you.

Best wishes,

REDACTED

Fellow
One Health Institute
School of Veterinary Medicine
University of California, Davis

From: Kevin Olival <olival@ecohealthalliance.org>
Subject: Re: P2-wide M&A call - way overdue!! Weds, March 27th?
Sent: Tue, 26 Mar 2019 14:11:53 -0400
Cc: Jonna Mazet <jkmazet@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>
To: **REDACTED**

Great, thanks.

On Mar 26, 2019, at 2:09 PM, **REDACTED** wrote:

Hi Kevin,

Sounds good, Jonna will be able to give an overview of progress on my behalf during the call.

Cheers,

Zoe

From: Kevin Olival <olival@ecohealthalliance.org>

Date: Tuesday, March 26, 2019 at 2:29 PM

To: **REDACTED**

Cc: Jonna Mazet <jkmazet@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>

Subject: Re: P2-wide M&A call - way overdue!! Weds, March 27th?

Hi **REDACTED**

Sorry to hear you can't make it. I think we'll stick with April 2nd 2-3pm, as it's one of those rare moments when almost everyone's schedule aligns. Perhaps you can pass on your update to Jonna to present to the group, and then we can catch up more at a later date?

Thanks,
Kevin

On Mar 25, 2019, at 1:56 PM, **REDACTED** wrote:

Hi Kevin,

Unfortunately, I can't make it as it's the evening in the UK and I have a tennis lesson booked for that time. If most can make Tuesday, please go ahead, I can join the next M&A call and provide an update then.

Cheers,

REDACTED

From: Kevin Olival <olival@ecohealthalliance.org>

Date: Monday, March 25, 2019 at 4:04 PM

To: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, Jonna Mazet <jkmazet@ucdavis.edu>, David McIver <dmciver@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, "Olson, Sarah" **REDACTED**

Cc: Alison Andre <andre@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Luke Hamel <hamel@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>

Subject: Re: P2-wide M&A call - way overdue!! Weds, March 27th?

Dear all,

Let's try this again via email. **How does Tuesday, April 2nd 2-3pm EST (11a-12 Pacific) work for everyone?**

This currently works for Kevin, Peter, Jonna...

Also, apologies, for got Sarah on last chain so cc'ing her in.

Cheers,
Kevin

On Mar 22, 2019, at 4:26 PM, Brooke Genovese <bgenovese@ucdavis.edu> wrote:

Hi Kevin,

Jonna can't make the 27th work either. She has availability on April 2nd from 11am – 1pm PST, though.

-Brooke

From: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>

Date: Friday, March 22, 2019 at 1:12 PM

To: Kevin Olival <olival@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>, David McIver <dmciver@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, REDACTED

REDACTED

Cc: Brooke Genovese <bgenovese@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Luke Hamel <hamel@ecohealthalliance.org>

Subject: Re: P2-wide M&A call - way overdue!! Weds, March 27th?

Kevin, next Weds (or Thurs/Fri) wouldn't work for me but feel free to proceed if that works for others.
Very much looking forward to getting these calls going again as we have lots to share.
/ckj

From: Kevin Olival <olival@ecohealthalliance.org>

Date: Friday, March 22, 2019 at 9:17 AM

To: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, Jonna Mazet <jkmazet@ucdavis.edu>, David McIver <dmciver@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, REDACTED

Cc: Brooke Genovese <bgenovese@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Luke Hamel <hamel@ecohealthalliance.org>

Subject: P2-wide M&A call - way overdue!! Weds, March 27th?

Hi All,

Wondering what your availability is like for a P2-wide Modeling & Analytics check-in call **for next week Weds (3/27)? Would March 27th, 12-1, 1-2, or 2-3pm EST work for you?** Would be good to touch base in advance of the semi-annual meeting if possible.

Also, REDACTED wanted to give us an update on the Spillover app, so cc'ing her to make sure she can join too and we can add that to the agenda.

Cheers,
Kevin

Kevin J. Olival, PhD

Vice President for Research

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

1.212.380.4478 (direct)
1.917.856.3900 (mobile)
1.212.380.4465 (fax)
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 promote conservation and prevent pandemics.

From: Peter Daszak <daszak@ecohealthalliance.org>
To: [REDACTED], Elizabeth Leasure <ealeasure@UCDAVIS.EDU>, "Valitutto, Marc" <valituttom@si.edu>, "David John Wolking" <djwolking@ucdavis.edu>, Amanda Fine [REDACTED], Brian H Bird <bhbird@ucdavis.edu>, Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, "Churchill, Carolina" <cchurchill@wcs.org>, Corina Grigorescu Monagin <cgmonagin@UCDAVIS.EDU>, Dawn Zimmerman <zimmermand@si.edu>, Eddy Rubin <erubin@metabiota.com>, Evelyn Luciano <luciano@ecohealthalliance.org>, "Jon Epstein" <epstein@ecohealthalliance.org>, Karen Saylors <ksaylors@metabiota.com>, "Murray, Suzan" <murrays@si.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Woutrina A Smith <wasmith@ucdavis.edu>, Sarah Olson [REDACTED], Simon Anthony <sja2127@columbia.edu>, Tammie O'Rourke <torourke@metabiota.com>, Tracey Goldstein <tgoldstein@ucdavis.edu>, "William B. Karesh" <karesh@ecohealthalliance.org>, Kevin Olival <olival@ecohealthalliance.org>
Cc: Alison Andre <andre@ecohealthalliance.org>, Amanda Andre <amanda.andre@ecohealthalliance.org>, Megan M Doyle <mmdoyle@UCDAVIS.EDU>, Ava Sullivan <sullivan@ecohealthalliance.org>, Molly Turner <turner@ecohealthalliance.org>, Emma Lane <lane@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>, predict Sympa List <predict@ucdavis.edu>
Subject: RE: [Agenda] PREDICT EB call April 3
Sent: Wed, 3 Apr 2019 17:17:06 +0000

UPDATE: The Guano mining page will be added to bat book by mid- to late May.

Our artists are working on the concept right now...

Cheers,

Peter

Peter Daszak
President

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

Tel. +1 212-380-4474
Website: www.ecohealthalliance.org
Twitter: [@PeterDaszak](https://twitter.com/PeterDaszak)

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: Eri Togami [mailto:etogami@ucdavis.edu]
Sent: Tuesday, April 2, 2019 10:24 PM
To: Elizabeth Leasure; Valitutto, Marc; David John Wolking; Amanda Fine; Brian H Bird; Christine Kreuder Johnson; Churchill, Carolina; Corina Grigorescu Monagin; Dawn Zimmerman; Eddy Rubin; Evelyn Luciano; Jon Epstein; Karen Saylors; Murray, Suzan; Peter Daszak; Jonna Mazet; Woutrina A Smith; Sarah Olson; Simon Anthony; Tammie O'Rourke; Tracey Goldstein; William B. Karesh; Kevin Olival
Cc: Alison Andre; Amanda Andre; Megan M Doyle; Eri Togami; Ava Sullivan; Molly Turner; Emma Lane; Brooke Genovese; predict Sympa List
Subject: [Agenda] PREDICT EB call April 3

Hi PREDICT EB,

Here are your agenda and call-in details for tomorrow.

Best,
Eri

PREDICT Executive Board Meeting

UCDUSR0007678

1. Management Team & Administrative updates

- All Country meeting plans
- GHSA/Ebola funds in DRC
- Upcoming DC events
- Semi-annual report reminder

2. Semi-annual meeting agenda and plans

3. Objective Team Updates

4. Mission communications & country roundup essentials

- Bombali virus in Kenya ([EID paper](#) published April 1)
- Sierra Leone: J. Bangura State Department Training
- Tanzania OH Workshop update
- Jordan Mission's One Health event
- Cote d'Ivoire government meeting with training
- Communications materials request

5. Publication, media, and conference updates

- 2nd [Symposium on Emerging Viral Disease](#), Geneva (April 10-12, 2019)
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- [Global Health Security 2019](#), Sydney (June 18-20, 2019)
- [ASM Microbe 2019](#), San Francisco (June 20-24, 2019)
- DTRA Biological Threat Reduction Program Review meeting Warsaw, Poland (Sep 17-19, 2019)
- [ID week](#) 2019, Infectious Disease Society of America, Washington DC (October 2-6, 2019)
- [19th International Congress on Infectious Diseases](#), Kuala Lumpur (February 20-23, 2020)

6. AOB

Zoom Call-in info

Zoom link: **REDACTED**

Or iPhone one-tap:

US: +1 **REDACTED**

Or Telephone:

Dial (for higher quality, dial a number based on your current location):

US: **REDACTED**

Meeting ID: **REDACTED**

International numbers available: **REDACTED**

From: predict-request@ucdavis.edu [mailto:predict-request@ucdavis.edu] **On Behalf Of** Eri Togami

Sent: Monday, April 01, 2019 9:13 AM

To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>; Valitutto, Marc <valituttom@si.edu>; David John Wolking <djwolking@ucdavis.edu>; Amanda Fine **REDACTED**; Brian H Bird <bhbird@ucdavis.edu>; Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>; Churchill, Carolina **REDACTED**; Corina Grigorescu Monagin <cgmonagin@UCDAVIS.EDU>; Dawn Zimmerman <zimmermand@si.edu>; Eddy Rubin <erubin@metabiota.com>; Evelyn Luciano <luciano@ecohealthalliance.org>; Jon Epstein <epstein@ecohealthalliance.org>; Karen Saylor <ksaylor@metabiota.com>; Leilani Franciso <francisco@ecohealthalliance.org>; Murray, Suzan <murrays@si.edu>; Peter Daszak <daszak@ecohealthalliance.org>; Jonna Mazet <jkmazet@ucdavis.edu>; Woutrina A Smith <wasmith@ucdavis.edu>; Sarah Olson **REDACTED**; Simon Anthony <sja2127@columbia.edu>; Tammie O'Rourke <torourke@metabiota.com>; Tracey Goldstein <tgoldstein@ucdavis.edu>; William

Karesh <karesh@ecohealthalliance.org>; Kevin Olival <olival@ecohealthalliance.org>

Cc: Alison Andre <andre@ecohealthalliance.org>; Amanda Andre <amanda.andre@ecohealthalliance.org>; Megan M Doyle <mmdoyle@UCDAVIS.EDU>; Ava Sullivan <sullivan@ecohealthalliance.org>; Molly Turner <turner@ecohealthalliance.org>; Emma Lane <lane@ecohealthalliance.org>; Brooke Genovese <bgenovese@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>

Subject: [predict] [Reminder] PREDICT EB call April 3

Hi PREDICT EB,

This is a reminder for your next PREDICT EB call, scheduled on Wednesday April 3 at 9 am PT/12pm ET. Please let me know if there are any agenda items you would like to discuss. Call-in details and the agenda will follow.

Happy Monday,

REDACTED

REDACTED

From: "William B. Karesh" <karesh@ecohealthalliance.org>
To: [REDACTED], Elizabeth Leasure <ealeasure@UCDAVIS.EDU>, Marc Valitutto <valituttom@si.edu>, David Wolking <djwolking@ucdavis.edu>, Amanda Fine <[REDACTED]>, Brian Bird <bhbird@ucdavis.edu>, Chris Johnson <ckjohnson@UCDAVIS.EDU>, "Churchill, Carolina" <cchurchill@wcs.org>, Corina Grigorescu Monagin <cgmonagin@UCDAVIS.EDU>, Dawn Zimmerman <zimmermand@si.edu>, Eddy Rubin <erubin@metabiota.com>, Evelyn Luciano <luciano@ecohealthalliance.org>, "Jon Epstein" <epstein@ecohealthalliance.org>, Karen Saylor <ksaylor@metabiota.com>, Suzan Murray <murrays@si.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>, "Woutrina A Smith" <wasmith@ucdavis.edu>, Sarah Olson <[REDACTED]>, "Dr. Simon Anthony" <sja2127@columbia.edu>, Tammie O'Rourke <torourke@metabiota.com>, Tracey Goldstein <tgoldstein@ucdavis.edu>, Kevin Olival <olival@ecohealthalliance.org>, Alison Andre <andre@ecohealthalliance.org>, Amanda Andre <amanda.andre@ecohealthalliance.org>, Megan M Doyle <mmdoyle@UCDAVIS.EDU>, Ava Sullivan <sullivan@ecohealthalliance.org>, "Molly Turner" <turner@ecohealthalliance.org>, Emma Lane <lane@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>, predict Sympa List <predict@ucdavis.edu>
Subject: PREDICT EB - report that JM mentioned
Sent: Wed, 3 Apr 2019 17:52:56 +0000

Here is the report that Jonna mentioned on the call today: Building Resilience to Biothreats: an assessment of unmet core global health security needs.

Too large to email, but its on RG at:

https://www.researchgate.net/publication/330761192_Building_Resilience_to_Biothreats/stats

BK

On Apr 2, 2019, at 10:23 PM, [REDACTED] wrote:

Hi PREDICT EB,

Here are your agenda and call-in details for tomorrow.

Best,
Eri

PREDICT Executive Board Meeting

Wednesday, April 3, 2019

9:00-11:00am PST/12:00-2:00pm EST

Zoom link: [REDACTED]

Additional Zoom info below agenda

1. Management Team & Administrative updates

- All Country meeting plans
- GHSA/Ebola funds in DRC
- Upcoming DC events
- Semi-annual report reminder

2. Semi-annual meeting agenda and plans

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4. Mission communications & country roundup essentials

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- Sierra Leone: J. Bangura State Department Training
- Tanzania OH Workshop update

- Jordan Mission's One Health event
- Cote d'Ivoire government meeting with training
- Communications materials request

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- [ASM Microbe 2019](#), San Francisco (June 20-24, 2019)
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- [ID week](#) 2019, Infectious Disease Society of America, Washington DC (October 2-6, 2019)
- [19th International Congress on Infectious Diseases](#), Kuala Lumpur (February 20-23, 2020)

6. AOB

Zoom Call-in info

Zoom link: **REDACTED**

Or iPhone one-tap:

REDACTED

Or Telephone:

REDACTED

Meeting ID: **REDACTED**

International numbers available: **REDACTED**

From: predict-request@ucdavis.edu [<mailto:predict-request@ucdavis.edu>] **On Behalf Of** **REDACTED**

Sent: Monday, April 01, 2019 9:13 AM

To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>; Valitutto, Marc <valituttom@si.edu>; David John Wolking <djwolking@ucdavis.edu>; Amanda Fine **REDACTED**; Brian H Bird <bhbird@ucdavis.edu>; Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>; Churchill, Carolina <cchurchill@wcs.org>; Corina Grigorescu Monagin <cgmmonagin@UCDAVIS.EDU>; Dawn Zimmerman <zimmermand@si.edu>; Eddy Rubin <erubin@metabiota.com>; Evelyn Luciano <luciano@ecohealthalliance.org>; Jon Epstein <epstein@ecohealthalliance.org>; Karen Saylors <ksaylors@metabiota.com>; Leilani Franciso <francisco@ecohealthalliance.org>; Murray, Suzan <murrays@si.edu>; Peter Daszak <daszak@ecohealthalliance.org>; Jonna Mazet <jkmazet@ucdavis.edu>; Woutrina A Smith <wasmith@ucdavis.edu>; Sarah Olson <**REDACTED**>; Simon Anthony <sja2127@columbia.edu>; Tammie O'Rourke <torourke@metabiota.com>; Tracey Goldstein <tgoldstein@ucdavis.edu>; William Karesh <karesh@ecohealthalliance.org>; Kevin Olival <olival@ecohealthalliance.org>

Cc: Alison Andre <andre@ecohealthalliance.org>; Amanda Andre <amanda.andre@ecohealthalliance.org>; Megan M Doyle <mmdoyle@UCDAVIS.EDU>; Ava Sullivan <sullivan@ecohealthalliance.org>; Molly Turner <turner@ecohealthalliance.org>; Emma Lane <lane@ecohealthalliance.org>; Brooke Genovese <bgenovese@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>

Subject: [predict] [Reminder] PREDICT EB call April 3

Hi PREDICT EB,

This is a reminder for your next PREDICT EB call, scheduled on Wednesday April 3 at 9 am PT/12pm ET. Please let me know if there are any agenda items you would like to discuss. Call-in details and the agenda will follow.

Happy Monday,
Eri

Eri Togami DVM MPH

Sent: Fri, 5 Apr 2019 16:57:49 -0700
Subject: Re: OHW-NG proposal update April 4
From: Jonna Mazet <jkmazet@ucdavis.edu>
To: Woutrina A Smith <wasmith@ucdavis.edu>
Cc: Matthew Blake <mblake@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Catherine Machalaba <machalaba@ecohealthalliance.org>, Molly Turner <turner@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, "William B. Karesh" <Karesh@ecohealthalliance.org>, Kevin Olival <olival@ecohealthalliance.org>, Jon Epstein <epstein@ecohealthalliance.org>, Christine Kreuder Johnson <ckjohnson@ucdavis.edu>, Brian H Bird <bhbird@gmx.ucdavis.edu>, Tracey Goldstein <tgoldstein@ucdavis.edu>, Elizabeth Leasure <ealeasure@ucdavis.edu>, **REDACTED** "Sanzero, George" <gsanzer@sandia.gov>, Jutta Lehmer <JLehmer@salud.unm.edu>, Bruce Baird Struminger <BStruminger@salud.unm.edu>, "McNeil, Carrie S." <csmcnei@sandia.gov>, Sam Halabi <sfh9@georgetown.edu>, "Costa, Cristiane" <co123@cumc.columbia.edu>, "Parish, Sarah A." <sp3546@cumc.columbia.edu>, "Hunt, Christine T." <ch3326@cumc.columbia.edu>, "Anthony, Simon J." <sja2127@cumc.columbia.edu>, "Wafaa M. El-Sadr" <wme1@cumc.columbia.edu>, Jennifer K Lane <jklane@ucdavis.edu>, Terra Kelly <trkelly@ucdavis.edu>, Omar Romero-hernandez <oromero@haas.berkeley.edu>, Federico Castillo <f.castillo@berkeley.edu>, "lane@ecohealthalliance.org" <lane@ecohealthalliance.org>, Alison Andre <andre@ecohealthalliance.org>, Nicole R Gardner <nrgardner@ucdavis.edu>, Amy Armistad <AArmistad@salud.unm.edu>, "ElByers@salud.unm.edu" <ElByers@salud.unm.edu>, "mr84@columbia.edu" <mr84@columbia.edu>, "Dele Ogunseitan (UCI)" <oaogunse@uci.edu>, David John Wolking <djwolking@ucdavis.edu>, "kp2440@cumc.columbia.edu" <kp2440@cumc.columbia.edu>, Bridgette Phebean Smith <brpsmith@ucdavis.edu>, Ndola PRATA <ndola@berkeley.edu>, **REDACTED** "Martin H. Smith" <mhsmith@ucdavis.edu>, Michael S Wilkes <mswilkes@ucdavis.edu>, Hannah R Chale <hrhchale@ucdavis.edu>, Corina Grigorescu Monagin <cgmonagin@ucdavis.edu>
[Executive Summary-4-4-19-mb-az-ws_bb JM.docx](#)
[Executive Summary-4-5-19-clean.docx](#)

Here's a tracked version starting with Brian's comments and adding mine and Billy's. His are marked with comment bubbles. Then I made a clean version to work with it to get it down to 2 pages. Was a job, but I've done it, if you like it! I think it sounds great, but Brian was looking for a BIG FINISH. I left his suggestion on the clean one, too. I like it, but couldn't figure out what else to cut to accommodate. Instead, I just reorganized the last paragraph to end on the restatement of the vision. Hope you like the edits,
J

On Thu, Apr 4, 2019 at 5:07 PM Woutrina A Smith <wasmith@ucdavis.edu> wrote:

Hi OHW-NG team

Here is the executive summary 2 pager overview for those interested to have a read. We'll be checking for little polish edits but if you have any critical points that are missed or misspoken please reach out on Friday so we can address them. Also attached is Eunah's rockin graphics file for your enjoyment. Due to space limitations the MEL graphic is just providing some illustrative activities, indicators, and outcomes, and can be polished up further as space allows.

Best wishes, Woutrina

Executive Summary. Globalization has brought about a rising tide of human prosperity, and yet, the threat of a tsunami – in the form of an infectious disease pandemic or antimicrobial resistance – looms larger each year. Emerging from changing practices at the animal-human-environment interface, this wave continues to grow under the driving forces of population expansion, human migration, and development. We offer an exceptional team to exponentially expand, reach, and ensure sustainability in building an effective One Health Workforce – realizing a vision to stem this impending tide by amplifying the impacts of previous USAID investments, allowing them to reach dramatic new levels of scale and sustainability through enhanced activities and alignment with the Journey to Self-Reliance and Global Health Security Agenda. Our consortium brings unique capabilities and vision to achieve an unprecedented level of ‘scaling up and scaling out’ of One Health workforce activities, while also institutionalizing and systematizing those activities to produce sustainable models of workforce development – robust university networks that can endure beyond the USAID OHW-NG investment.

Our OHW-NG vision is to see OHCEA and SEAOHUN each become global leaders in state of the art, scalable, and sustainable workforce development that address the most critical One Health workforce gaps. Building upon the current portfolio of training opportunities offered by OHCEA and SEAOHUN, we will use the proven global platform of Project ECHO’s virtual communities of practice. We will provide a low-cost, high yield vehicle that delivers training and fosters peer-to-peer learning across the members and allows for rapid network expansion to include new members and countries with low incremental costs. Our One Health Academy will offer diverse One Health training activities that are curated and unified across a menu of options in tiered stages, thus allowing trainees and faculty from diverse professions to progressively achieve certifications across the range of One Health competencies. Essential for job placement and advancement – the ultimate goals of workforce development – our innovative digital tracking app will provide OHCEA and SEAOHUN unprecedented opportunities to track trainings and provide students and graduates evidence of competencies achieved and real-time training certification transcripts in a user-friendly, cloud-based format.

We will co-develop adaptive management mechanisms with OHCEA and SEAOHUN to facilitate routine reviews of One Health curricula and programming in their regions, promoting regular updating of training material and pedagogical techniques. New models of in-service training, peer learning, field-based experiential learning, policy/advocacy capacity-strengthening, and faculty development will be designed to target specific workforce gaps and to inform and improve programs. Our robust global knowledge management system will assist the networks and the consortium to share information, reports, and strategies for iterative program planning.

Every member country in the two regions will have strong cross-sectoral advisory bodies – building upon One Health platforms where they exist – to produce and update national One Health workforce strategies and foster the multi-sectoral competency and transdisciplinary collaborations necessary to advance regional health programming. Innovative partnerships with the private sector will be facilitated in each country and among the member networks in a total



market approach, including with Land O' Lakes and Johnson & Johnson, to contribute to the multi-sectoral competency and transdisciplinary collaborations necessary to advance health programming. Additionally, student internships will be created with private sector employers to facilitate cross-sectoral competence and communication and to create demand in the job pipeline.

We will ensure that OHCEA and SEAOHUN will continue to grow as organizationally robust and sustainable networks that are recognized leaders in One Health in their regions and globally. Under our plan, these networks will receive multi-modal capacity-building to enhance their organizational capacity through a stepwise approach, measurably improving across all seven domains of USAID's Organizational Capacity Assessment Tool, and will manage high levels of USAID funding with an associated growing scope of activities over the lifetime of the project. We will expand network membership across regions, including new countries, new degree programs, new students, and strong training hub centers that support workforce development. Through an aggressive partnership strategy enabled by leaders from the Global Health Security Agenda Private Sector Roundtable, the networks will establish funding partners to co-finance One Health workforce development activities and new partnership development offices to sustainably lead relationship generation in the future. Guided by a business plan, each network will employ, for the first time, revenue-generating activities that increase self-reliance. Strategic technical collaborations will be operating with WHO, the World Bank, Africa CDC, IANPHI, multinational companies, FAO, and others to build upon existing investments and infrastructure and magnify the impact of OHW-NG on the global One Health workforce.

Our consortium has the unique ability to deliver this vision. We are led by the University of California (UC) Davis One Health Institute, which is responsible for the most comprehensive zoonotic pathogen and EID surveillance capacity-strengthening program in the world, USAID PREDICT, alongside dynamic partners like the Columbia University ICAP program with a proven track record of implementing large-scale global health workforce and public health initiatives, which notably includes a \$64 million nursing initiative in Africa, and the EcoHealth Alliance, a global private sector partner working on sustainability and One Health for over 45 years. Among these partners, we have existing field offices and local staff in every OHW-NG country to support continuous implementation of activities and a smooth and rapid transition from the incumbent management. We have further identified essential expertise in: business development (UC Berkeley), organizational sustainability and continuing professional development (Ata Health Strategies, UC Irvine), communities of practice (University of New Mexico ECHO Institute), One Health readiness training and cutting edge technologies (Sandia National Laboratories), and business management and partnership development (Global Health Security Agenda Private Sector Roundtable with other corporate partners), which will all serve critical functions across the three operational objectives. Importantly, we have forged mutual intentions to collaborate with the International Association of National Public Health Institutes, Africa CDC, American Society of Microbiology, WHO Health Workforce Development Directorate, and many other partners. An esteemed external advisory board will also ensure connection to the greater global health security and One Health communities.

As important as who we are is how we will work together. Using adaptive management principles, we will actively utilize a robust monitoring and evaluation framework – built upon our theory of change – to make continuous adjustments to activities to significantly improve network impact, coverage, efficiency, and sustainability. Paramount is working hand-in-hand with OHCEA and SEAOHUN networks to co-design and execute all activities. By serving on the highest level decision-making bodies, the networks, themselves, will empower and realize our

end-goal of OHCEA and SEAOHUN operational and financial sustainability and global leadership in One Health workforce development.

using an integrated approach for communication and work planning, including semi-annual consortium in-person meetings, weekly videoconference meetings, and an online knowledge management system for storing and disseminating key program materials.

Our proposed activities in partnership with OHCEA and SEOHUN lay the foundation stones of a robust OH worker-shield protecting us all from the tidal wave of global health threats. A tidal wave is impossible to stop once started, but by working *now* to build a sustainable OH workforce of energized, well trained, and dedicated One Health workers we can together prevent the formation of that wave and promote sustained health for people, animals, and the greater environment.

Executive Summary. Globalization has brought about a rising tide of human prosperity, and yet, the threat of a tsunami – in the form of an infectious disease pandemic or antimicrobial resistance – looms larger each year. Emerging from changing practices at the animal-human-environment interface, this wave continues to grow under the driving forces of population expansion, human migration, and development. We offer an exceptional team to exponentially expand, reach, and ensure sustainability in building an effective One Health Workforce – realizing a vision to stem this impending tide by amplifying the impacts of previous USAID investments, allowing them to reach dramatic new levels of scale and sustainability through enhanced activities and alignment with the Journey to Self-Reliance and Global Health Security Agenda. Our consortium brings unique capabilities and vision to achieve an unprecedented level of ‘scaling up and scaling out’ of One Health workforce activities, while also institutionalizing and systematizing those activities to produce sustainable models of workforce development – robust university networks that can endure beyond the USAID OHW-NG investment.

Our OHW-NG vision is to see OHCEA and SEAOHUN each become global leaders in state of the art, scaleable, and sustainable workforce development that address the most critical One Health workforce gaps. Building upon the current portfolio of training opportunities offered by OHCEA and SEAOHUN, we will use the proven global platform of Project ECHO’s virtual communities of practice. We will provide a low-cost, high yield vehicle that delivers training and fosters peer-to-peer learning across the members and allows for rapid network expansion to include new members and countries with low incremental costs. Our One Health Academy will offer diverse One Health training activities that are curated and unified across a menu of options in tiered stages, thus allowing trainees and faculty from diverse professions to progressively achieve certifications across the range of One Health competencies. Essential for job placement and advancement – the ultimate goals of workforce development – our innovative digital tracking app will provide OHCEA and SEAOHUN unprecedented opportunities to track trainings and provide students and graduates evidence of competencies achieved and real-time training certification transcripts in a user-friendly, cloud-based format.

We will co-develop adaptive management mechanisms with OHCEA and SEAOHUN to facilitate routine reviews of One Health curricula and programming in their regions, promoting regular updating of training material and pedagogical techniques. New models of in-service training, peer learning, field-based experiential learning, policy/advocacy capacity-strengthening, and faculty development will be designed to target specific workforce gaps and to inform and improve programs. Our robust global knowledge management system will assist the networks and the consortium to share information, reports, and strategies for iterative program planning.

Every member country in the two regions will have strong cross-sectoral advisory bodies – building upon One Health platforms where they exist – to produce and update national One Health workforce strategies and foster the multi-sectoral competency and transdisciplinary collaborations necessary to advance regional health programming. Innovative partnerships with the private sector will be facilitated in each country and among the member networks in a total market approach, including with Land O’ Lakes and Johnson & Johnson, to contribute to the multi-sectoral competency and transdisciplinary collaborations necessary to advance health



programming. Additionally, student internships will be created with private sector employers to facilitate cross-sectoral competence and communication and to create demand in the job pipeline.

We will ensure that OHCEA and SEA OHUN will continue to grow as organizationally robust and sustainable networks that are recognized leaders in One Health in their regions and globally. Under our plan, these networks will receive multi-modal capacity-building to enhance their organizational capacity through a stepwise approach, measurably improving across all seven domains of USAID's Organizational Capacity Assessment Tool, and will manage high levels of USAID funding with an associated growing scope of activities over the lifetime of the project. We will expand network membership across regions, including new countries, new degree programs, new students, and strong training hub centers that support workforce development. Through an aggressive partnership strategy enabled by leaders from the Global Health Security Agenda Private Sector Roundtable, the networks will establish funding partners to co-finance One Health workforce development activities and new partnership development offices to sustainably lead relationship generation in the future. Guided by a business plan, each network will employ, for the first time, revenue-generating activities that increase self-reliance. Strategic technical collaborations will be operating with WHO, the World Bank, Africa CDC, IANPHI, multinational companies, FAO, and others to build upon existing investments and infrastructure and magnify the impact of OHW-NG on the global One Health workforce.

Our consortium has the unique ability to deliver this vision. We are led by the University of California (UC) Davis One Health Institute, which is responsible for the most comprehensive zoonotic pathogen and EID surveillance capacity-strengthening program in the world, USAID PREDICT, alongside dynamic partners like the Columbia University ICAP program with a proven track record of implementing large-scale global health workforce and public health initiatives, which notably includes a \$64 million nursing initiative in Africa, and the EcoHealth Alliance, a global private sector partner working on sustainability and One Health for over 45 years. Among these partners, we have existing field offices and local staff in every OHW-NG country to support continuous implementation of activities and a smooth and rapid transition from the incumbent management. We have further identified essential expertise in: business development (UC Berkeley), organizational sustainability and continuing professional development (Ata Health Strategies, UC Irvine), communities of practice (University of New Mexico ECHO Institute), One Health readiness training and cutting edge technologies (Sandia National Laboratories), and business management and partnership development (Global Health Security Agenda Private Sector Roundtable with other corporate partners), which will all serve critical functions across the three operational objectives. Importantly, we have forged mutual intentions to collaborate with the International Association of National Public Health Institutes, Africa CDC, American Society of Microbiology, WHO Health Workforce Development Directorate, and many other partners. An esteemed external advisory board will also ensure connection to the greater global health security and One Health communities.

As important as who we are is how we will work together. Using adaptive management principles, we will actively utilize a robust monitoring and evaluation framework – built upon our theory of change – to make continuous adjustments to activities to significantly improve network impact, coverage, efficiency, and sustainability. Paramount is working hand-in-hand with OHCEA and SEA OHUN networks to co-design and execute all activities. By serving on the highest level decision-making bodies, the networks, themselves, will empower and realize our end-goal of OHCEA and SEA OHUN operational and financial sustainability and global leadership in One Health workforce development.

Our proposed activities in partnership with OHCEA and SEOHUN lay the foundation stones of a robust OH worker-shield protecting us all from the tidal wave of global health threats. A tidal wave is impossible to stop once started, but by working *now* to build a sustainable OH workforce of energized, well trained, and dedicated One Health workers we can together prevent the formation of that wave and promote sustained health for people, animals, and the greater environment.

From: Woutrina A Smith <wasmith@ucdavis.edu>
To: Oladele Ogunseitan <oladele.ogunseitan@uci.edu>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>, Matthew Blake <mblake@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Catherine Machalaba <machalaba@ecohealthalliance.org>, Molly Turner <turner@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, "William B. Karesh" <Karesh@ecohealthalliance.org>, Kevin Olival <olival@ecohealthalliance.org>, Jon Epstein <epstein@ecohealthalliance.org>, Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, Brian H Bird <bhbird@gmx.ucdavis.edu>, Tracey Goldstein <tgoldstein@ucdavis.edu>, Elizabeth Leasure <ealeasure@UCDAVIS.EDU>, **REDACTED** "Sanzero, George" <gsanzer@sandia.gov>, Jutta Lehmer <JLehmer@salud.unm.edu>, Bruce Baird Struminger <BStruminger@salud.unm.edu>, "McNeil, Carrie S." <csmcnei@sandia.gov>, Sam Halabi <sfh9@georgetown.edu>, "Costa, Cristiane" <co123@cumc.columbia.edu>, "Parish, Sarah A." <sp3546@cumc.columbia.edu>, "Hunt, Christine T." <ch3326@cumc.columbia.edu>, "Anthony, Simon J." <sja2127@cumc.columbia.edu>, "Wafaa M. El-Sadr" <wme1@cumc.columbia.edu>, Jennifer K Lane <jklane@ucdavis.edu>, Terra Kelly <trkelly@ucdavis.edu>, Omar Romero-hernandez <oromero@haas.berkeley.edu>, Federico Castillo <f.castillo@berkeley.edu>, "lane@ecohealthalliance.org" <lane@ecohealthalliance.org>, Alison Andre <andre@ecohealthalliance.org>, Nicole R Gardner <nrgardner@ucdavis.edu>, Amy Armistad <AArmistad@salud.unm.edu>, "ElByers@salud.unm.edu" <ElByers@salud.unm.edu>, "mr84@columbia.edu" <mr84@columbia.edu>, David John Wolking <djwolking@ucdavis.edu>, "kp2440@cumc.columbia.edu" <kp2440@cumc.columbia.edu>, Bridgette Phebean Smith <brpsmith@ucdavis.edu>, Ndola PRATA <ndola@berkeley.edu>, Alexandra Zuber **REDACTED** "Martin H. Smith" <mhsmith@ucdavis.edu>, Michael S Wilkes <mswilkes@ucdavis.edu>, Hannah R Chale <hrchale@UCDAVIS.EDU>, Corina Grigorescu Monagin <cgmonagin@UCDAVIS.EDU>
Subject: Re: OHW-NG proposal update April 4
Sent: Sat, 6 Apr 2019 15:11:15 +0000

Thanks everyone, for all of your collaborative efforts along the way. We are now in final compile and polish mode so hold tight and you'll have a final product coming your way to read and keep on file by Monday, but I'm going dark to get this buttoned up for the next day or so. Have a good weekend! Woutrina

On Apr 5, 2019, at 11:15 PM, Oladele Ogunseitan <oladele.ogunseitan@uci.edu> wrote:

This summary hits all the main points. I made a few minor changes in the attached version (tracked). Thanks.

- Dele

Oladele A. Ogunseitan, PhD, MPH, BCES
Professor and Founding Chair
Department of Population Health and Disease Prevention
Program in Public Health
Susan and Henry Samueli College of Health Sciences
University of California, Irvine
CA 92697

On Apr 5, 2019, at 4:57 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Here's a tracked version starting with Brian's comments and adding mine and Billy's. His are marked with comment bubbles. Then I made a clean version to work with it to get it down to 2 pages. Was a job, but I've done it, if you like it! I think it sounds great, but Brian was looking for a BIG FINISH. I left his suggestion on the clean one, too. I like it, but couldn't figure out what else to cut to accommodate. Instead, I just reorganized the last paragraph to end on the restatement of the vision.

Hope you like the edits,
J

On Thu, Apr 4, 2019 at 5:07 PM Woutrina A Smith <wasmith@ucdavis.edu> wrote:

Hi OHW-NG team

Here is the executive summary 2 pager overview for those interested to have a read. We'll be checking for little polish edits but if you have any critical points that are missed or misspoken please reach out on Friday so we can address them. Also attached is Eunah's rockin graphics file for your enjoyment. Due to space limitations the MEL graphic is just providing some illustrative activities, indicators, and outcomes, and can be polished up further as space allows.

Best wishes, Woutrina

<Executive Summary-4-4-19-mb-az-ws_bb JM.docx><Executive Summary-4-5-19-clean.docx>

<Executive Summary-4-4-19-mb-az-ws_bb JM_Dele.docx>

From: "Ogawa, V. Ayano" <VOgawa@nas.edu>
To: 'Jonna Mazet' <jkmazet@ucdavis.edu>, "'daszak@ecohealthalliance.org'" <'daszak@ecohealthalliance.org'>, "'dmrizzo@ucdavis.edu'" <'dmrizzo@ucdavis.edu'>, "'george.poste@asu.edu'" <'george.poste@asu.edu'>, "'mary_wilson@harvard.edu'" <'mary_wilson@harvard.edu'>, "'Hughes, James M'" <jmhughe@emory.edu>, 'Gail Hansen' <king.1518@osu.edu>, "'Barton Behravesh, Casey (CDC/OID/NCEZID)'" <dlx9@cdc.gov>, "'King, Lonnie'" <king.1518@osu.edu>, "'Anderson, Kevin'" <Kevin.Anderson@HQ.DHS.GOV>, "'Hermesen, Elizabeth D'" <elizabeth.hermesen@merck.com>, "'Miller, Sally'" <miller.769@osu.edu>, "mlichtve@tulane.edu" <mlichtve@tulane.edu>, "MUMFORD, Elizabeth" <REDACTED>, Jennifer Gardy <Jennifer.Gardy@gatesfoundation.org>
Cc: "Shah, Cecilia" <cshah@nas.edu>, <REDACTED> 'Stephanie Calderone' <Stephanie.Calderone@asu.edu>, "Lubin, Natalie" <NLubin@nas.edu>
Subject: RE: OHAC call #15 meeting notes
Sent: Tue, 9 Apr 2019 19:54:37 +0000
[OHAC meeting 15 notes FINAL.pdf](#)

Dear OHAC members,

Please see notes attached from our meeting on March 21. The meeting was very productive, so if you were not on the call, please be sure to take a look at the notes.

Next steps:

All OHAC members

- If you are interested in helping to develop the concept note for the World One Health Congress 2020 side event, please email Ayano.
- Upcoming calls:
 - Tuesday, May 14 from 12-1PM ET
 - Tuesday, June 11 from 11AM-12PM ET (during Forum meeting)

Subcommittee on One Health workers (Jonna, <REDACTED> Casey, Gail, and Lonnie)

- Call #3: Thursday, April 18 at 2pm ET

Subcommittee on Food Security (Sally, Dave, Jonna, <REDACTED> Maureen, Mary, Gail, and Jim):

- Keep on working on assigned sections of paper (due April 16)
- Call #2: Tuesday, April 23 at 12pm ET

Thanks so much for all your hard work! We are making great progress on all of our deliverables. Please let me know if you have any questions or concerns.

Best,
Ayano

V. Ayano Ogawa, S.M.
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From: Ogawa, V. Ayano
Sent: Tuesday, March 19, 2019 4:24 PM
To: 'Jonna Mazet' <jkmazet@ucdavis.edu>; 'daszak@ecohealthalliance.org'; 'dmrizzo@ucdavis.edu'; 'george.poste@asu.edu'; 'mary_wilson@harvard.edu'; 'Hughes, James M' <jmhughe@emory.edu>; 'Gail Hansen' <REDACTED>; 'Barton Behravesh, Casey (CDC/OID/NCEZID)' <dlx9@cdc.gov>; 'King, Lonnie' <king.1518@osu.edu>; 'Anderson, Kevin' <Kevin.Anderson@HQ.DHS.GOV>; 'Hermesen, Elizabeth D' <elizabeth.hermesen@merck.com>; 'Miller, Sally' <miller.769@osu.edu>; 'mlichtve@tulane.edu' <mlichtve@tulane.edu>; 'MUMFORD, Elizabeth' <REDACTED>; Jennifer Gardy <Jennifer.Gardy@gatesfoundation.org>
Cc: Shah, Cecilia <cshah@nas.edu>; Tran, Thu Anh <TTran@nas.edu>; <REDACTED> 'Stephanie Calderone' <Stephanie.Calderone@asu.edu>

Subject: OHAC call #15 meeting materials

Dear OHAC members,

As a reminder, the next OHAC call will take place over zoom videoconference on **Thursday, March 21 at 2:00-3:00pm (Eastern Time)**. Please review the attached call materials:

1. Meeting agenda
2. Deliverable #2 snapshot of survey results – demographic breakdown
3. Deliverable #3 extended outline on food security and plant health:
 - Please take a look at the case studies and start thinking about some ideas for the “food availability” cases.
4. Table of potential target journals
 - Please begin to think about possible journals to target for the deliverables.

Zoom (will also include in the calendar invitation):

Join from PC, Mac, Linux, iOS or Android: **REDACTED**

Telephone: US: + **REDACTED**

Meeting ID: **REDACTED**

International numbers available: **REDACTED**

Finally, please note that OHAC member Gail Hansen will moderate a free webinar on antibiotic resistance in the environment tomorrow (March 20) from 1:30 EDT via CIDRAP/ASP. The presenter is Dr. Amy Pruden of Virginia Tech, who is widely known for her work documenting antibiotic resistance genes as environmental contaminant. She will focus on her work with antibiotic resistance from animal waste used as fertilizer. If you or your colleagues are interested and available, please register and tune in [here](#)!

Please let me know if you have any questions. I look forward to the discussion later this week!

Best regards,
Ayano

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ONE HEALTH ACTION COLLABORATIVE (OHAC) MEETING #15

DATE: Thursday, March 21

PARTICIPANTS: Jonna Mazet, Kevin Anderson, Peter Daszak, Gail Hansen, Elizabeth Hermsen, James Hughes, Maureen Lichtveld, Sally Miller, George Poste, and Mary Wilson (Absent: Casey Barton Behravesh, Jennifer Gardy, Lonnie King, Liz Mumford, and Dave Rizzo)

STAFF: Ayano Ogawa and Matt Masiello (National Academies); REDACTED UC Davis)

AGENDA:

1) Welcome; 2) Deliverable #2: One Health workers; 3) Deliverable #3: Food security; 4) World One Health Congress 2020 side event; 5) Other brief updates; and 6) Next steps and action items

KEY DISCUSSION POINTS

1. Welcome

Ayano welcomed the members and noted that a few OHAC members and staff were absent due to two conflicting events during the time of the call: 1) World TB Day Event 2019 hosted by the Forum on Microbial Threats and USAID; and 2) USAID Preparedness & Response Legacy Event hosted by DAI (presenters included Casey and Liz). Ayano added that Matt Masiello from the National Academies was helping to take notes and share documents on Zoom during the call.

2. Deliverable #2: One Health Workers

Overview of Findings/Analysis

Since closing the survey on February 1, Jonna and Eri have been sifting through and analyzing the data. REDACTED provided a high-level overview of the preliminary results, which was discussed over a conference call among the subcommittee members last month (see Appendix for more detailed information of preliminary findings).

For next steps, REDACTED said that she and Jonna will take a closer look at the text entry responses of the survey and examine how to best capture and present the information from the responses. Jonna noted that many of the text entry responses included passionate and negative language. Some of this negativity is directly related to the challenges in One Health, she said, while some of the responses are regular workplace issues found in many other fields.

Feedback on Survey Findings

REDACTED and Jonna solicited feedback for the survey:

- Mary asked if there was any specificity to the origin of the people who were responding in passionate ways in the text entry boxes. Jonna said this was a great point and noted that they would quantify the responses by group of respondents, demographics, age, and geographic location.

- Maureen asked if it were possible to look at these passionate text entry responses, particularly frustration, by discipline. Jonna responded that they would try to quantify the frustration by discipline and associated factors with that.
- Jim stated it would be interesting to look into the employers' perspectives on the negative issues. Jonna mentioned they will take a look into this as they delve deeper into the survey analysis.

Target Journals

Jonna explained that the subcommittee discussed producing potentially two papers, one focused on the quantitative data and the second focused on the qualitative analysis.

While reviewing the table of possible target journals (circulated prior to the call), members discussed factors that should be considered for target journals:

- Open-access with ideally low fees to ensure global accessibility of the papers (Mary, Jonna)
- A high-impact journal with a global reach (Elizabeth)
 - Possible journals could be *Lancet* or *The New England Journal of Medicine* (Peter)
 - *One Health Outlook* (while not a high impact journal yet) is also another possibility (Peter)
- Timeliness of responses and processes of journals (Elizabeth)
 - In order to understand this and ask other relevant questions, she suggested that the group could consider reaching out to the journal(s) with a pre-submission inquiry.

3. Deliverable #3: Food security/safety, climate change, plant health, and One Health

Update on Outline

Sally provided an update of deliverable #3, noting that the subcommittee convened over a conference call in February and has drafted an extended outline that includes five case studies (i.e., three under "food safety" and two under "food availability"). Sally noted that while the case study topics for the food safety section were set, they were still working on those for the food availability section.

High-Level Outline	
I.	Introduction Begin with mentioning the relevance of the UN Declaration on 2020: International Year of Plant Health and introduce the connection between plants, food security/safety, climate change, and One Health
II.	Case Studies <i>Food Safety --</i> <ol style="list-style-type: none"> Myco toxins on plants <i>E. coli</i> O:157 H:7 outbreak in romaine lettuce Pesticide use on agriculture <i>Food Availability --</i> <ol style="list-style-type: none"> Vector-borne diseases and loss of staple crops TBD (possible case study on cassava?)
III.	Conclusion Highlight major gaps and provide suggestions for mitigation strategies

Members discussed the outline and provided some feedback, particularly for the case studies:

- *General Comment:*
 - Sally suggested that “food availability” section might want to precede the “food safety” section to maintain logical flow from the introduction.
- *Food Safety:*
 - For the case study on pesticide use on agriculture (II-c), Sally mentioned that this section could be broadened to include issues on AMR of pesticides used in plant based agriculture. Maureen agreed, and Sally suggested her paper on AMR that she is working on for FAO could be a helpful resource (note: Sally has already shared the paper with Maureen).
- *Food Availability:*
 - For the case study on vector borne-diseases (II-d), Mary offered to write that section. She also asked if the issue of nutritional content comes up in any place in the paper. Sally responded that it has not been included yet but could be incorporated in one of the case studies under the food availability section.
 - For the second case study under food availability (II-e), Sally noted that a potential case study idea could be to discuss the relationship between climate change and disease emergence threatening cassava, and asked the group if anyone was interested in volunteering to take the lead of this section. Ayano mentioned that if no one is interested, they could reach out to an external stakeholder. Sally said that Dr. Fen Beed (FAO) could do a good job taking this on with a focus on sub-Saharan Africa. Maureen mentioned that whoever takes on this section, she would be able to help out.
- *Conclusion:*
 - George said that the subject of deliverable #3 is complex and multi-dimensional. He stated that it would be important to look at some of the dynamics of the shift to intensive agriculture practices, and the prospect of food famines and the economic and social instabilities triggered from the dynamic shift. He also noted the role of precision agriculture to increase yields. Sally responded that the conclusion could include these types of issues on mitigation strategies. She welcomed George’s comments and contributions for the conclusion.

External Stakeholders to Join the Subcommittee

Members agreed that Fen Beed would be a good addition to the subcommittee. Sally and Ayano will extend an invitation to him.

Members also noted that a CDC or FDA representative could fill in missing expertise. Ayano offered to reach out to Rima Khabbaz (Forum Member), who could suggest people from FDA or CDC to help with the paper, particularly the section on food-borne diseases.

Jonna suggested that another person to consider is Tracy Dutcher from USDA. Tracey is on the subcommittee for One Health workers.

Target Journals

Members discussed that the paper should be published in a journal with a global audience and avoid plant-focused journals in order to have a wider readership.

Sally mentioned that the subcommittee was considering publishing in *American Journal of Public Health (AJPH)*. Maureen who is the chief of the editorial board for *AJPH* thought that the journal could be a great target, as it maintains a broad and global audience and has an increasing interest in climate change issues. She added that the “analytic essay”¹ format would be the best target. While there is a general rule of limiting the authorship to six people for articles in *AJPH*, the subcommittee members could request to add a couple more authors or add subcommittee members who did not have writing roles in the acknowledgements section.

Finally, some members thought it would be a good goal to publish the paper by 2020 to not only coincide with the International Year of Plant Health but also the World One Health Congress events.

4. World One Health Congress 2020 side event


Jonna reminded that OHAC is invited to host a side event at the World One Health Congress 2020 event on June 14, 2020 in Edinburgh. The side event requires a minimum “guaranteed” 50 registrants, which Jonna noted that they could easily attain with the members’ wide-reaching networks.

Members agreed that this would be an exciting opportunity. Jonna said that Eri presented the first OHAC deliverable about core competencies at this event held in 2018, where there was great interest in this topic. Gail, Mary, and Maureen were enthusiastic to showcase deliverable #2 on One Health workers. Jonna suggested that OHAC could even connect all three deliverables—core competencies, One Health workers, and plant health/food security—in the side event. Many members supported this idea.

Ayano, Eri, Jonna, and other interested members will aim to have a draft concept note prior to the next OHAC call.

5. Other Brief Updates

 *AVMA Presentation on One Health Careers*

 shared some highlights of from her [webinar presentation](#) on One Health Careers hosted by AVMA. Eri stated that she presented some of OHAC’s work on One Health core competencies and the descriptive section of the survey findings for the One Health workers deliverable. The webinar was very well attended, mostly veterinarians, veterinarian technicians, and other One Health professionals.

Forum on Microbial Threats’ June Workshop

Ayano noted that the next Forum workshop, “[Breaking Down Silos: The Convergence of Infectious Diseases and Noncommunicable Diseases](#)” will take place on June 11-12, 2019 at The Rockefeller Foundation in New York City. Peter is the chair of the planning committee. The agenda is almost finalized and will be posted in April, but Ayano would be happy to share the agenda if anyone is interested in taking a look now.

6. Next Steps

- All OHAC members:
 - Upcoming meetings:

¹ Analytic essays in *AJPH* provide critical analyses of public health issues. They can be up to 4000 words of text with subheadings, up to 4 tables/figures, and no more than 40 references.

- Call #16: Tuesday, May 14 from 12-1PM ET
 - Call #17 (during Forum meeting in NYC): Tuesday, June 11 from 11AM-12PM ET (Ayano will confirm soon)
- If you are interested in helping to develop the concept note for the World One Health Congress 2020 side event, please email Ayano.
- Subcommittee on One Health workers (Jonna, [REDACTED] Casey, Gail, Lonnie, Tracey Dutcher, and Katey Pelican):
 - Call #3: Thursday, April 18 at 2pm ET
- Subcommittee on Food Security (Sally, Dave, Jonna, [REDACTED] Maureen, Mary, Gail, and Jim):
 - Keep on working on assigned sections of paper (*due April 16*)
 - **Dave:** introduction
 - **Sally:** case study on the role of mycotoxins
 - **Jonna and [REDACTED]:** case study on animals and food-borne diseases
 - **Maureen:** case study on the role of pesticides (broaden to include AMR aspects)
 - **Mary:** case study on vector-borne diseases and loss of staple crops
 - Call #2: Tuesday, April 23 at 12pm ET

APPENDIX

On the call, [REDACTED] and Jonna shared a selection of preliminary survey findings.

Box A:

Select Overall Survey Demographic Results

- Over the course of the survey (November 16, 2018 – February 1, 2019), there were a total of 828 eligible responses across 66 countries.
- One Health workers were the largest respondent group (612 completed surveys), though some respondents were categorized into more than one group (e.g., One Health graduate and current worker).
- There was relatively balanced representation for gender and across age groups between 18-69 years old.
- More than half of the respondents were highly educated with professional degrees.
- Although responses were reported from all geographic SDG regions, the majority of responses came from North America.

Box B:

Select Survey Results by Respondent Group

1) *Students*

- Students became interested in One Health through information from a mentor/advisor (46%), followed by information from meetings/conferences (40%) and from reading journals/articles (39%).
- Regarding practical training, most One Health degree students (74%) participated or will participate in intern/externships.

- Most students (67%) said they hope to work on challenges that affect countries other than their country of origin in the future.

2) Graduates

- Approximately half of graduates (56%) said they participated in some type of practical training.

3) Workers

- Most workers (76%) knew about the existence of One Health degree programs.

4) Employers

- Employers hired at most a couple of One Health workers in the past 2 years.

Box C:

Select Survey Result Comparisons to the Same Type of Questions among Target Groups

For the following categories, responses from students, graduates, workers, and employers were compared in order to identify discrepancies among different groups.

1) Disciplines represented in One Health – Some discrepancies

- The top three disciplines that students currently study, graduates studied, workers find useful in their current positions, and employers would like their hires to have were shared among (1) epidemiology, (2) zoonoses/emerging infectious diseases, and (3) public health.
- However, if the top 12 disciplines are reviewed, areas that were desired by employers were ranked lower in students, graduates, and workers. Those disciplines included professional skills, knowledge and policy, and geography/geographic information systems.

2) Knowledge and skills – No major discrepancies

- The top four knowledge and skills that were used frequently and valued among graduates, workers, and employers were (1) interpersonal communication, (2) transdisciplinary teamwork, (3) scientific principles behind complex health challenges, and (4) understanding interplay of infectious diseases.
- Conversely, graduates, workers, and employers focused least on (1) ability to conduct qualitative research to study social and behavioral factors; (2) structure and responsibilities of the public health systems; and (3) cultural and socioeconomic determinants and impacts of illness.
- In terms of discrepancies, employers ranked program management higher as an important skill compared to graduates and workers.

3) Types of organizations - Some discrepancies

- The top three organizations in which workers and employers currently work were (1) academic institutions, (2) national or federal government, and (3) non-governmental or non-profit organizations.
- The largest survey discrepancy was between students and workers/employers. While almost half of the students hoped to work at an international organization, only 8% of workers and employers were actually based in one. Jonna posited that most international organizations with work in One Health are smaller and hence there may be fewer jobs than in academia or government.

From: Karen Saylors <ksaylors@metabiota.com>
To: Andrew Clements <aclements@usaid.gov>
CC: Tracey Goldstein <tgoldstein@ucdavis.edu>; Brian Bird <bhbird@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Christine Kreuder Johnson <ckjohnson@ucdavis.edu>; D. Phil Simon Anthony <anthony@ecohealthalliance.org>; David Wolking <djwolking@ucdavis.edu>
Sent: 4/10/2019 2:58:17 AM
Subject: Re: 2017 DRC Ebola event tied to novel strain as current outbreak grows

Hi Andrew.

Thanks for sending this along.

I checked in with the DRC team to see whether the MOH mentioned this WHO recommendation to include lactating women and babies 6 months + in their ring vaccination campaign, and apparently they talked about it this week. They are including pregnant women, breastfeeding women and children under 1 year in the plan. As well they are getting feedback from the field that it will be necessary to provide a supply of artificial milk for mothers who are being advised to stop breastfeeding...we'll see how that goes. It's difficult enough to get outbreak response supplies to the area much less adding canned/powdered milk?!

best,
Karen

On Tue, Apr 9, 2019 at 12:02 PM Andrew Clements <aclements@usaid.gov> wrote:
FYI

*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: Ricardo Echalar <rechalar@usaid.gov>

Date: April 9, 2019 at 7:21:37 PM GMT+2

To: PREDICTMGT <predictmgt@usaid.gov>

Subject: 2017 DRC Ebola event tied to novel strain as current outbreak grows

<http://www.cidrap.umn.edu/news-perspective/2019/04/2017-drc-ebola-event-tied-novel-strain-current-outbreak-grows>

--

Ricardo Echalar, MPH
Senior Public Health Advisor
Office of Infectious Disease, Emerging Threats Division
Bureau for Global Health
(m) +1.571.215.6324 | (w) +1.571.551.7456 | E-mail: rechalar@usaid.gov

USAID Contractor
GHSI-III - CAMRIS International, Inc.

--

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/CAA3er3pu49-r-XGL7LHNFrxs%2BhX0%2BrPYM3jsU5RZNhb-ZVS-rA%40mail.gmail.com>.

From: Kevin Olival <olival@ecohealthalliance.org>
Subject: Re: P2-wide M&A call - way overdue!! Weds, March 27th?
Sent: Tue, 16 Apr 2019 10:35:31 -0400
Cc: Christine Kreuder Johnson <ckjohnson@ucdavis.edu>, David McIver <dmciver@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, "Olson, Sarah" [REDACTED] Alison Andre <andre@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Luke Hamel <hamel@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>
To: Jonna Mazet <jkmazet@ucdavis.edu>

Great, thanks Jonna. Anyone else have any additional comments? If so, please send in next couple of days so we can finalize this and send to EB.

Cheers,
Kevin

On Apr 15, 2019, at 11:17 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Looks great -- a couple fo very minor suggestions.
Thanks for preparing,
Jonna

On Tue, Apr 2, 2019 at 11:38 AM Kevin Olival <olival@ecohealthalliance.org> wrote:

Dear all,
Looking forward to connecting on the call this afternoon (2-3pm EST)! Call in: +1-719-785-9461, 9784#

Revised agenda and attached draft Emerging Disease Insight for IMPACT #12, below.

Revised agenda:

1. IMPACT project updates
2. Solicit feedback on EID for IMPACT #12 (see attached)
3. Discuss plans and goals for "Data Discussion" and "Data Cleaning and Risk Analysis Plans" at Semi-Annual Vancouver meeting. Do we need a breakout meeting on 2nd day?
4. Update on Spillover app/project from Jonna
5. Other items

Cheers,
Kevin

On Mar 26, 2019, at 2:19 PM, Kevin Olival <olival@ecohealthalliance.org> wrote:

Peter, Jonna, CKJ, David (and hopefully Sarah),
Given everyone's availability, please join us on the EHA domestic conference line for a P2-wide M&A call on
Tuesday, April 2nd 2-3pm EST (11-12p Pacific).

Call in: +1-719-785-9461, 9784#

Agenda:

1. IMPACT project updates
2. P2 data analysis plans for discussion at Semi-Annual Vancouver meeting.
3. Draft agenda for a semi-annual breakout meeting on data analysis (if needed)?
4. Update on Spillover app/project from Jonna ([REDACTED] sends regrets)
5. Other items

Cheers,
Kevin

<iCal-20190326-141910.ics>

On Mar 25, 2019, at 1:05 PM, Christine Kreuder Johnson
<ckjohnson@ucdavis.edu> wrote:

Works for me too.
/ckj

From: Kevin Olival <olival@ecohealthalliance.org>

Date: Monday, March 25, 2019 at 9:04 AM

To: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, Jonna Mazet <jkmazet@ucdavis.edu>, David McIver <dmciver@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, "Olson, Sarah" [REDACTED], [REDACTED]
[REDACTED]

Cc: Alison Andre <andre@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Luke Hamel <hamel@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>

Subject: Re: P2-wide M&A call - way overdue!! Weds, March 27th?

Dear all,

Let's try this again via email. **How does Tuesday, April 2nd 2-3pm EST (11a-12 Pacific) work for everyone?**

This currently works for Kevin, Peter, Jonna...

Also, apologies, for got Sarah on last chain so cc'ing her in.

Cheers,
Kevin

On Mar 22, 2019, at 4:26 PM, Brooke Genovese <bgenovese@ucdavis.edu> wrote:

Hi Kevin,

Jonna can't make the 27th work either. She has availability on April 2nd from 11am – 1pm PST, though.

-Brooke

From: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>

Date: Friday, March 22, 2019 at 1:12 PM

To: Kevin Olival <olival@ecohealthalliance.org>, Jonna Mazet <jkmazet@ucdavis.edu>, David McIver <dmciver@metabiota.com>, Peter Daszak <daszak@ecohealthalliance.org>, [REDACTED]
[REDACTED]

Cc: Brooke Genovese <bgenovese@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, Luke Hamel <hamel@ecohealthalliance.org>

Subject: Re: P2-wide M&A call - way overdue!! Weds, March 27th?

Kevin, next Weds (or Thurs/Fri) wouldn't work for me but feel free to

proceed if that works for others.
Very much looking forward to getting these calls going again as we have
lots to share.
/ckj

From: Kevin Olival <olival@ecohealthalliance.org>

Date: Friday, March 22, 2019 at 9:17 AM

To: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, Jonna Mazet
<jkmazet@ucdavis.edu>, David McIver <dmciver@metabiota.com>,
Peter Daszak <daszak@ecohealthalliance.org>, REDACTED

REDACTED

Cc: Brooke Genovese <bgenovese@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>,
Evelyn Luciano <luciano@ecohealthalliance.org>, Luke Hamel
<hamel@ecohealthalliance.org>

Subject: P2-wide M&A call - way overdue!! Weds, March 27th?

Hi All,

Wondering what your availability is like for a P2-wide Modeling & Analytics
check-in call **for next week Weds (3/27)? Would March 27th, 12-1, 1-2, or 2-
3pm EST work for you?** Would be good to touch base in advance of the semi-
annual meeting if possible.

Also, REDACTED wanted to give us an update on the Spillover app, so cc'ing
her to make sure she can join too and we can add that to the agenda.

Cheers,
Kevin

Kevin J. Olival, PhD

Vice President for Research

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

1.212.380.4478 (direct)
1.917.856.3900 (mobile)
1.212.380.4465 (fax)
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
promote conservation and prevent pandemics.*

<bat-pig-SADS-edi_1April2019 JM.docx>

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Andrew Clements <aclements@usaid.gov>, pbradley <pbradley@usaid.gov>
Cc: predict Sympa List <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Hannah R Chale <hrchale@UCDAVIS.EDU>, "predictmgt@usaid.gov" <predictmgt@usaid.gov>, Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Subject: RE: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2
Sent: Tue, 16 Apr 2019 22:51:45 +0000
[Egypt VAT exemption.pdf](#)

Hi Andrew and Ms. Bradley. We previously received written approval for an exception to VAT exemption in Egypt (see attached), which was good through September 30, 2018. The exception was granted because USAID/Egypt had not yet worked out an agreement for tax exemptions with the Egyptian tax authority, so no exemption was available to us (see Robert Claussen's email below). Are you aware of any progress with regard to establishing a bilateral agreement in Egypt for a VAT exemption on assistance funds? If the situation has not changed and a VAT exemption is still not available to us in Egypt, we request that the exception be extended through the end of the project in September 2019.

Thank you,
Liz

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

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

From: Ryland Marbray <rmarbray@usaid.gov>
Date: Wed, Apr 25, 2018 at 6:03 PM
Subject: Re: VAT Exemption for USAID/Egypt for PREDICT-2
To: Shana Gillette <sgillette@usaid.gov>
Cc: Alisa Pereira <apereira@usaid.gov>, Andrew <aclements@usaid.gov>

Hi Shana,

Please find a VAT exemption attached for Egypt until September 2018. We can review and revisit this subject at that time.

Best,

Ryland Marbray
Assistance Officer

On Tue, Mar 21, 2017 at 3:34 PM, Shana Gillette <sgillette@usaid.gov> wrote:
Dear Ryland,

Any suggestions on how PREDICT should proceed with the VAT exemption given the current circumstances in Egypt described below?

Best,
Shana

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

From: Robert Claussen <rclaussen@usaid.gov>
Date: Wed, Feb 22, 2017 at 9:30 AM
Subject: VAT Exemption for USAID/Egypt for PREDICT-2
To: sgillette@usaid.gov, aclements@usaid.gov
Cc: Akmal Elerian <acelerian@usaid.gov>, Tara Simpson <tsimpson@usaid.gov>, Shaymaa shaatoot <sshaatoot@usaid.gov>

Dear Shana and Andrew - Greetings from USAID/Egypt.

I wanted to engage you with an issue we have been dealing with over the past month. Just before Christmas, Patrick Dawson from the EcoHealth Alliance reached out to one of our staff Dr. Akmal for assistance regarding VAT exemption for work that they are doing under PREDICT-2 in Egypt. You should know that VAT was introduced in Egypt just a few months ago and while we are negotiating an exemption for our bilateral partners, we have not reached an agreement yet with the Egyptian tax authorities.

In this interim time, we are unable to provide assistance for any tax exemption to the PREDICT-2 project as it does not fall into our of our bilateral agreements with the Government of Egypt. What we can offer is the attached 1978 bilateral framework agreement with the Government of Egypt that may help this implementer negotiate some tax relief.

I hope this helps and apologies that we cannot be of further assistance.

Robert Claussen

USAID/Egypt

Contracting and Agreement Officer | Office of Procurement

www.usaid.gov/egypt | facebook.com/USAIDEgypt | twitter.com/USAIDEgypt

note that Cairo is +7 hours from EST and follows a Sunday through Thursday work week.

--

Shana Gillette, PhD

Senior Risk Mitigation Adviser

Emerging Threats Division

Office of Infectious Disease

Bureau for Global Health

U.S. Agency for International Development (USAID)

Office Phone: 202-712-1456

Work Mobile: REDACTED

Email: sgillette@usaid.gov

--

Shana Gillette, PhD

Senior Risk Mitigation Adviser

Emerging Threats Division

Office of Infectious Disease

Bureau for Global Health

U.S. Agency for International Development (USAID)

Office Phone: 202-712-1456

Work Mobile: REDACTED

Email: sgillette@usaid.gov

--

Ryland Marbray

Agreements/Contracting Officer

UCDUSR0007707

USAID Office of Acquisition & Assistance
M/OAA/E3
1300 Pennsylvania Ave., NW,
Rm. 567-B, SA-44
Washington, DC 20523

Phone: (202) 567-5328|rmarbray@usaid.gov

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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>



USAID
FROM THE AMERICAN PEOPLE

April, 25, 2018

Elizabeth Leasure
University of California
One Health Institute
Davis, California 95616-8686

Subject: Cooperative Agreement No. AID-OAA-A-14-00102
Exception to Value Added Tax (VAT) Exemption - Egypt

Dear Ms. Leasure:

Pursuant to 2 CFR 200.470 "Taxes (including Value Added Tax)", non-Federal entities implementing U.S. Government (USG) funded development projects are exempt from certain taxes and duties imposed by the government of the country in which they are implementing, such as Value Added Tax (VAT). Although this exemption is cited in the bilateral agreement between the USG and the Government of Egypt, the University of California, Davis has reported to the Agreement Officer challenges in administering this exemption in Egypt on behalf of the PREDICT-2 cooperative agreement. Due to the need for the University of California, Davis and its subrecipients to fulfill in country financial obligations regarding VAT, and due to the fact that the University of California, Davis has taken reasonable steps to affect the exemption, the Agreement Officer hereby issues an exception to the directive to be exempt from VAT in Egypt. As detailed in 2 CFR 200.470, VAT is an allowable expense under Federal awards.

This exception approves the payment of all outstanding VAT obligations and for future obligations assessed by the Government of Egypt until September 30, 2018. This approval is given with the understanding that the University of California, Davis will continue its efforts and due diligence to secure the VAT exemption from the Government of Egypt. If the VAT exemption is secured before September 30, 2018, this exception will be nullified.

If you should have any further questions or concerns, please contact me at rmarbray@usaid.gov or on (202) 567-5328.

Sincerely,

Ryland C. Marbray, Agreement Officer
U.S. Agency for International Development
Office of Acquisition and Assistance, M/OAA/GH
1300 Pennsylvania Avenue, NW
Washington, DC 20523-7101

CC: Andrew Clements, GH/ Emerging Threats Division

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Cc: Andrew Clements <aclements@usaid.gov>, pbradley <pbradley@usaid.gov>, predict Sympa List <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Hannah R Chale <hrchale@UCDAVIS.EDU>, "predictmgt@usaid.gov" <predictmgt@usaid.gov>
Subject: RE: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2
Sent: Wed, 24 Apr 2019 16:14:02 +0000

Thank you, Jose.

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

From: Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Sent: Wednesday, April 24, 2019 7:05 AM
To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Cc: Andrew Clements <aclements@usaid.gov>; pbradley <pbradley@usaid.gov>; predict Sympa List <predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>; predictmgt@usaid.gov
Subject: Re: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

Dear Ms. Leasure,

We confirm receipt of your email of your email below. We expect to get back to you on this by the end of the week.

Sincerely,

JOSE L. NUNEZ
Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 469-G
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4123
(Contractor-Jefferson Solutions, LLC)

On Tue, Apr 23, 2019 at 5:32 PM Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:
Good afternoon. I'm following up regarding my email below. Any guidance you can provide would be most appreciated.

Many thanks,
Liz

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

From: predict-request@ucdavis.edu <predict-request@ucdavis.edu> On Behalf Of Elizabeth Leasure
Sent: Tuesday, April 16, 2019 3:52 PM
To: Andrew Clements <aclements@usaid.gov>; pbradley <pbradley@usaid.gov>
Cc: predict Sympa List <predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>; predictmgt@usaid.gov; Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Subject: RE: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

Hi Andrew and Ms. Bradley. We previously received written approval for an exception to VAT exemption in Egypt (see attached),

UCDUSR0007710

which was good through September 30, 2018. The exception was granted because USAID/Egypt had not yet worked out an agreement for tax exemptions with the Egyptian tax authority, so no exemption was available to us (see Robert Claussen's email below). Are you aware of any progress with regard to establishing a bilateral agreement in Egypt for a VAT exemption on assistance funds? If the situation has not changed and a VAT exemption is still not available to us in Egypt, we request that the exception be extended through the end of the project in September 2019.

Thank you,
Liz

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

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

From: **Ryland Marbray** <rmarbray@usaid.gov>
Date: Wed, Apr 25, 2018 at 6:03 PM
Subject: Re: VAT Exemption for USAID/Egypt for PREDICT-2
To: Shana Gillette <sgillette@usaid.gov>
Cc: Alisa Pereira <apereira@usaid.gov>, Andrew <aclements@usaid.gov>

Hi Shana,

Please find a VAT exemption attached for Egypt until September 2018. We can review and revisit this subject at that time.

Best,

Ryland Marbray
Assistance Officer

On Tue, Mar 21, 2017 at 3:34 PM, Shana Gillette <sgillette@usaid.gov> wrote:
Dear Ryland,

Any suggestions on how PREDICT should proceed with the VAT exemption given the current circumstances in Egypt described below?

Best,
Shana

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

From: **Robert Claussen** <rclaussen@usaid.gov>
Date: Wed, Feb 22, 2017 at 9:30 AM
Subject: VAT Exemption for USAID/Egypt for PREDICT-2
To: sgillette@usaid.gov, aclements@usaid.gov
Cc: Akmal Elerian <aclerian@usaid.gov>, Tara Simpson <tsimpson@usaid.gov>, Shaymaa shaatoot <sshaatoot@usaid.gov>

Dear Shana and Andrew - Greetings from USAID/Egypt.

I wanted to engage you with an issue we have been dealing with over the past month. Just before Christmas, Patrick Dawson from the EcoHealth Alliance reached out to one of our staff Dr. Akmal for assistance regarding VAT exemption for work that they are doing under PREDICT-2 in Egypt. You should know that VAT was introduced in Egypt just a few months ago and while we are negotiating an exemption for our bilateral partners, we have not reached an agreement yet with the Egyptian tax authorities.

In this interim time, we are unable to provide assistance for any tax exemption to the PREDICT-2 project as it does not fall into our of our bilateral agreements with the Government of Egypt. What we can offer is the attached 1978 bilateral framework agreement with the Government of Egypt that may help this implementer negotiate some tax relief.

I hope this helps and apologies that we cannot be of further assistance.

Robert Claussen

USAID/Egypt

Contracting and Agreement Officer | Office of Procurement

www.usaid.gov/egypt | facebook.com/USAIDEgypt | twitter.com/USAIDEgypt

note that Cairo is +7 hours from EST and follows a Sunday through Thursday work week.

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Shana Gillette, PhD

Senior Risk Mitigation Adviser

Emerging Threats Division

Office of Infectious Disease

Bureau for Global Health

U.S. Agency for International Development (USAID)

Office Phone: [202-712-1456](tel:202-712-1456)

Work Mobile: [REDACTED]

Email: sgillette@usaid.gov

--

Shana Gillette, PhD

Senior Risk Mitigation Adviser

Emerging Threats Division

Office of Infectious Disease

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Office Phone: [202-712-1456](tel:202-712-1456)

Work Mobile: [REDACTED]

Email: sgillette@usaid.gov

--

Ryland Marbray

Agreements/Contracting Officer

USAID Office of Acquisition & Assistance

M/OAA/E3

1300 Pennsylvania Ave., NW,

Rm. 567-B, SA-44

Washington, DC 20523

Phone: (202) 567-5328 | rmarbray@usaid.gov

--

Andrew Clements, Ph.D.

Senior Scientific Advisor

UCDUSR0007712

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: Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Sent: Fri, 26 Apr 2019 16:19:15 -0400
Subject: Re: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Cc: Andrew Clements <aclements@usaid.gov>, pbradley <pbradley@usaid.gov>, predict Sympa List <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Hannah R Chale <hrchale@ucdavis.edu>, "predictmgt@usaid.gov" <predictmgt@usaid.gov>

Hi Elizabeth,

We are awaiting response from USAID/Egypt on this issue. As soon as we get a response we will be getting back to you.

Have a nice weekend,

Sincerely,

JOSE L. NUNEZ
Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 469-G
1300 Pennsylvania Ave., NW
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Elizabeth Leasure

Financial Operations Manager

One Health Institute

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530-754-9034 (office)

Skype: ealeasure

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Cc: predict Sympa List <predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Hannah R Chale <harchale@UCDAVIS.EDU>;
predictmgt@usaid.gov; Jose Nunez Grullon <jnunezgrullon@usaid.gov>
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Thank you,

Liz

Elizabeth Leasure

Financial Operations Manager

One Health Institute

530-304-1403 (cell)

530-754-9034 (office)

Skype: ealeasure

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

From: **Ryland Marbray** <rmarbray@usaid.gov>
Date: Wed, Apr 25, 2018 at 6:03 PM
Subject: Re: VAT Exemption for USAID/Egypt for PREDICT-2
To: Shana Gillette <sgillette@usaid.gov>
Cc: Alisa Pereira <apereira@usaid.gov>, Andrew <aclements@usaid.gov>

Hi Shana,

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Best,

Ryland Marbray

UCDUSR0007715

On Tue, Mar 21, 2017 at 3:34 PM, Shana Gillette <sgillette@usaid.gov> wrote:

Dear Ryland,

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Best,

Shana

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From: **Robert Claussen** <rclaussen@usaid.gov>

Date: Wed, Feb 22, 2017 at 9:30 AM

Subject: VAT Exemption for USAID/Egypt for PREDICT-2

To: sgillette@usaid.gov, aclements@usaid.gov

Cc: Akmal Elerian <aclerian@usaid.gov>, Tara Simpson <tsimpson@usaid.gov>, Shaymaa shaatoot <sshaatoot@usaid.gov>

Dear Shana and Andrew - Greetings from USAID/Egypt.

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Robert Claussen

USAID/Egypt

Contracting and Agreement Officer | Office of Procurement

www.usaid.gov/egypt | facebook.com/USAIDEgypt | twitter.com/USAIDEgypt

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Shana Gillette, PhD

Senior Risk Mitigation Adviser

Emerging Threats Division
Office of Infectious Disease

Bureau for Global Health

U.S. Agency for International Development (USAID)

Office Phone: [202-712-1456](tel:202-712-1456)

Work Mobile: REDACTED

Email: sgillette@usaid.gov

--

Shana Gillette, PhD

Senior Risk Mitigation Adviser

Emerging Threats Division
Office of Infectious Disease

Bureau for Global Health

U.S. Agency for International Development (USAID)

Office Phone: [202-712-1456](tel:202-712-1456)

Work Mobile: 5 REDACTED

Email: sgillette@usaid.gov

--

Ryland Marbray
Agreements/Contracting Officer

USAID Office of Acquisition & Assistance
M/OAA/E3
1300 Pennsylvania Ave., NW,
Rm. 567-B, SA-44
Washington, DC 20523

Phone: (202) 567-5328 | rmarbray@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>

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Cc: Andrew Clements <aclements@usaid.gov>, pbradley <pbradley@usaid.gov>, predict Sympa List <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Hannah R Chale <hrchale@UCDAVIS.EDU>, "predictmgt@usaid.gov" <predictmgt@usaid.gov>
Subject: RE: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2
Sent: Fri, 26 Apr 2019 20:20:56 +0000

Hi Jose. Thank you for the update. Have a good weekend, as well.

Sincerely,
Liz

*Elizabeth Leasure
Financial Operations Manager
One Health Institute*

REDACTED (cell)
530-754-9034 (office)
Skype: ealeasure

From: Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Sent: Friday, April 26, 2019 1:19 PM
To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Cc: Andrew Clements <aclements@usaid.gov>; pbradley <pbradley@usaid.gov>; predict Sympa List <predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>; predictmgt@usaid.gov
Subject: Re: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

Hi Elizabeth,

We are awaiting response from USAID/Egypt on this issue. As soon as we get a response we will be getting back to you.

Have a nice weekend,

Sincerely,

JOSE L. NUNEZ
Acquisition and Assistance Specialist, M/OAA/GII
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 469-G
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4123
(Contractor-Jefferson Solutions, LLC)

On Wed, Apr 24, 2019 at 10:04 AM Jose Nunez Grullon <jnunezgrullon@usaid.gov> wrote:
Dear Ms. Leasure,

We confirm receipt of your email of your email below. We expect to get back to you on this by the end of the week.

Sincerely,

JOSE L. NUNEZ
Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 469-G
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4123
(Contractor-Jefferson Solutions, LLC)

On Tue, Apr 23, 2019 at 5:32 PM Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:
Good afternoon. I'm following up regarding my email below. Any guidance you can provide would be most appreciated.

UCDUSR0007719

Many thanks,
Liz

Elizabeth Leasure
Financial Operations Manager
One Health Institute
[REDACTED] (cell)
530-754-9034 (office)
Skype: ealeasure

From: predict-request@ucdavis.edu <predict-request@ucdavis.edu> **On Behalf Of** Elizabeth Leasure

Sent: Tuesday, April 16, 2019 3:52 PM

To: Andrew Clements <aclements@usaid.gov>; pbradley <pbradley@usaid.gov>

Cc: predict Sympa List <predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Hannah R Chale <harchale@UCDAVIS.EDU>; predictmgt@usaid.gov; Jose Nunez Grullon <jnunezgrullon@usaid.gov>

Subject: RE: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

Hi Andrew and Ms. Bradley. We previously received written approval for an exception to VAT exemption in Egypt (see attached), which was good through September 30, 2018. The exception was granted because USAID/Egypt had not yet worked out an agreement for tax exemptions with the Egyptian tax authority, so no exemption was available to us (see Robert Claussen's email below). Are you aware of any progress with regard to establishing a bilateral agreement in Egypt for a VAT exemption on assistance funds? If the situation has not changed and a VAT exemption is still not available to us in Egypt, we request that the exception be extended through the end of the project in September 2019.

Thank you,
Liz

Elizabeth Leasure
Financial Operations Manager
One Health Institute
[REDACTED] (cell)
530-754-9034 (office)
Skype: ealeasure

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

From: Ryland Marbray <rmarbray@usaid.gov>

Date: Wed, Apr 25, 2018 at 6:03 PM

Subject: Re: VAT Exemption for USAID/Egypt for PREDICT-2

To: Shana Gillette <sgillette@usaid.gov>

Cc: Alisa Pereira <apereira@usaid.gov>, Andrew <aclements@usaid.gov>

Hi Shana,

Please find a VAT exemption attached for Egypt until September 2018. We can review and revisit this subject at that time.

Best,

Ryland Marbray
Assistance Officer

On Tue, Mar 21, 2017 at 3:34 PM, Shana Gillette <sgillette@usaid.gov> wrote:

Dear Ryland,

Any suggestions on how PREDICT should proceed with the VAT exemption given the current circumstances in Egypt described below?

Best,
Shana

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

From: **Robert Claussen** <rclaussen@usaid.gov>
Date: Wed, Feb 22, 2017 at 9:30 AM
Subject: VAT Exemption for USAID/Egypt for PREDICT-2
To: sgillette@usaid.gov, aclements@usaid.gov
Cc: Akmal Elerian <aclerian@usaid.gov>, Tara Simpson <tsimpson@usaid.gov>, Shaymaa shaatoot <sshaatoot@usaid.gov>

Dear Shana and Andrew - Greetings from USAID/Egypt.

I wanted to engage you with an issue we have been dealing with over the past month. Just before Christmas, Patrick Dawson from the EcoHealth Alliance reached out to one of our staff Dr. Akmal for assistance regarding VAT exemption for work that they are doing under PREDICT-2 in Egypt. You should know that VAT was introduced in Egypt just a few months ago and while we are negotiating an exemption for our bilateral partners, we have not reached an agreement yet with the Egyptian tax authorities.

In this interim time, we are unable to provide assistance for any tax exemption to the PREDICT-2 project as it does not fall into our of our bilateral agreements with the Government of Egypt. What we can offer is the attached 1978 bilateral framework agreement with the Government of Egypt that may help this implementer negotiate some tax relief.

I hope this helps and apologies that we cannot be of further assistance.

Robert Claussen

USAID/Egypt

Contracting and Agreement Officer | Office of Procurement

www.usaid.gov/egypt | facebook.com/USAIDEgypt | twitter.com/USAIDEgypt

note that Cairo is +7 hours from EST and follows a Sunday through Thursday work week.

--

Shana Gillette, PhD

Senior Risk Mitigation Adviser

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Office of Infectious Disease

Bureau for Global Health

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Work Mobile: **REDACTED**

Email: sgillette@usaid.gov

■

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Shana Gillette, PhD

Senior Risk Mitigation Adviser

Emerging Threats Division

Office of Infectious Disease

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UCDUSR0007721

Email: sgillette@usaid.gov

--

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--

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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: <undisclosed-recipients:>
BCC: jkmazet@ucdavis.edu
Sent: 4/28/2019 1:48:56 PM
Subject: April 28, 2019 Emerging Pandemic Threat update

Summary: 40 poultry outbreaks, 1 wild bird outbreak, 1 camel outbreak, and 419 human infections with 13 pathogens (various avian influenza viruses, Ebola, Lassa, MERS-CoV, and monkey pox) were reported by 17 countries between April 2 and April 28, 2019. These outbreaks/infections occurred between December 2018 and April 2019.

Specific pathogens and countries affected:

“H5” Low Pathogenicity Avian Influenza (LPAI) – 1 new poultry event (USA)

Viral pedigree: Initial analysis indicated this virus is similar to those from wild birds.

H5N1/Asia High Pathogenicity Avian Influenza (HPAI) – 5 new poultry outbreaks and 1 new wild bird outbreak (Bangladesh, Bhutan, China, India, Nepal)

A total of 23,850 bird outbreaks (more than 250 million birds affected) and 880 human infections (52% average case fatality rate) have been reported by 67 countries since 1997.

Viral pedigree: Influenza A sub-type H5N1/Asia HPAI was first detected in 1996 and has since donated genetic segments to many new influenza A HPAI viruses (including several below). Influenza A viruses have caused four pandemics since 1918.

H5N2/Asia HPAI – 13 new poultry outbreaks (China)

A total of 907 bird outbreaks (7.1 million birds affected) have been reported by 1 country since virus first detected in 2012; no human infections reported to date.

Viral pedigree: Influenza A sub-type H5N2/Asia HPAI is related to H5N1/Asia HPAI (see above).

H5N2 LPAI – 7 new poultry outbreaks (Dominican Republic)

A total of 259 bird events (4.0 million birds affected) have been reported by 17 countries since virus first detected in 2019; no human infections reported to date.

Viral pedigree: no information available.

H5N6/Asia HPAI – 1 new poultry outbreak (Cambodia)

A total of 702 bird outbreaks (29.5 million birds affected) and 23 human infections (35% average case fatality rate) have been reported by 8 countries since virus first detected in 2014.

Viral pedigree: Influenza A sub-type H5N6/Asia HPAI is related to H5N1/Asia HPAI (see above).

H5N8/Asia (variant) HPAI – 9 new poultry outbreaks (Bulgaria, Iran, Israel, Nigeria)

A total of 2,905 bird outbreaks (33.6 million birds affected) have been reported by 53 countries since virus first detected in 2016; no human infections reported to date. (Bulgaria outbreak reported as “H5” but assumed to be H5N8.)

Viral pedigree: Influenza A sub-type H5N8/Asia (variant) HPAI is related to H5N1/Asia HPAI (see above).

H7N3 HPAI – 4 new poultry outbreaks (Mexico)

A total of 152 bird outbreaks (more than 23.3 million birds affected) have been reported by 1 country between 2012 and 2019. 5 human infections (0% average case fatality rate) have been reported by 3 countries between 2004 and 2012.

H7N9/Asia HPAI and LPAI – 1 new human case (China)

A total of 75 bird events (1.4 million birds affected) and at least 1,568 human infections (39% average case fatality rate) have been reported by 3 countries since virus first detected in 2013.

Viral pedigree: Influenza A sub-type H7N9/Asia LPAI was first detected in 2013 and converted to HPAI in 2017.

H9N2 LPAI – 1 new human infection (China)

A total of 50 human infections (2% average case fatality rate) have been reported by 3 countries since 1999.

Viral pedigree: No information available on this influenza A sub-type H9N2 LPAI virus.

Ebola/Zaire – 338 new confirmed and probable human cases (DR Congo) [This outbreak is the largest ever reported in DR Congo (now exceeding 1,300 cases) and the 2nd largest Ebola outbreak ever reported in any country/region]

At least 32,510[^] human infections (43% average case fatality rate) with all Ebola viruses have been reported by 18 countries between 1976 and 2019. [^] Total includes confirmed, probable, and suspected cases.

Viral pedigree: the Central African Ebola/Zaire virus has caused 16 outbreaks with 2,883 human infections (72% average case fatality rate) in 4 countries since first being detected in 1976.

Lassa – 50 new confirmed and probable human cases (Liberia, Nigeria, Sierra Leone)

At least 3,706[^] human infections (22% average case fatality rate) have been reported by 16 countries since 2000. [^] Total includes confirmed, probable, and suspected cases.

MERS-CoV – 1 camel event and 22 new confirmed human cases (Saudi Arabia)

A total of 36 camel outbreaks and at least 2,441 confirmed human infections (34% average case fatality rate) have been reported by 27 countries since virus first detected in 2012.

Viral pedigree: MERS-CoV is in the beta-coronavirus family which also includes the SARS virus which caused a pandemic in 2003 with more than 8,000 human infections (10% average case fatality rate) in 27 countries.

Monkeypox – 7 new confirmed human cases (Nigeria)

At least 3,880[^] human infections (2% average case fatality rate) have been reported by 14 countries since 1970. [^] Total includes confirmed, probable, and suspected cases.

Viral pedigree: Monkeypox is in the orthopox viral family which also includes the smallpox virus that was a worldwide scourge before it was eradicated in 1980.

à Next update on/about May 28, 2019

Data sources:

<http://www.who.int/csr/don/en/>
http://www.who.int/influenza/human_animal_interface/en/
<http://www.afro.who.int/en/clusters-a-programmes/whe/outbreaks-and-other-emergencies-updates.html>
http://www.oie.int/wahis_2/public/wahid.php/Diseaseinformation/WI
<http://empres-i.fao.org/eipws3g/>
<https://www.cdc.gov/flu/weekly/index.htm>
<https://www.moh.gov.sa/en/CCC/events/national/Pages/2019.aspx>
<http://newsletters.afro.who.int/outbreak-dashboards/p36fcklqcoy1qqvybnloqp?email=true>
<http://www.chp.gov.hk/en/index.html>
<https://www.moh.gov.om/en/---951>
<https://www.dhakatribune.com/health/2019/03/03/death-of-5-in-thakurgaon-linked-to-nipah-virus>

About the USAID Emerging Pandemic Threats update: first started in 2005 with a focus on H5N1 avian influenza, this monthly update was expanded in 2012 to include other zoonotic pathogens with pandemic potential. The update brings together information on both human and animal infectious disease outbreaks involving viruses having known or potential ability to infect and spread directly from human to human without vectors such as insects, water, or food. The current mailing list includes readers from USAID (Washington and missions in 22 countries in Africa, Asia, and the Middle East), other US Government Departments/Agencies (including HHS, CDC, NIH, USDA, Department of Defense, Department of Interior, State Department), international organizations (FAO, IFRC, OIE, WHO), universities, and NGOs.

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>
Sent: Thu, 2 May 2019 11:53:54 -0700
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>, David John Wolking <djwolking@ucdavis.edu>, "predictmgt@usaid.gov" <predictmgt@usaid.gov>, predict Sympa List <predict@ucdavis.edu>
Subject: Re: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

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 May 2, 2019, at 1:52 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. For Years 2-4, VAT was incurred on approximately \$52K in purchases, for a total of approximately \$6,900 in VAT paid for this 3-year time period. Y4 VAT payments were only \$800 on \$6,600, so I would expect Y5 to be similarly low as activities wind down.

Thanks,
Liz

*Elizabeth Leasure
Financial Operations Manager
One Health Institute
[REDACTED]ell)
530-754-9034 (office)
Skype: ealeasure*

From: Andrew Clements <aclements@usaid.gov>
Sent: Thursday, May 2, 2019 11:37 AM
To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>; David John Wolking <djwolking@ucdavis.edu>; predictmgt@usaid.gov
Subject: Fwd: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

Hi Liz,

Can you answer the question below? 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: Tara Simpson <tsimpson@usaid.gov>
Date: May 2, 2019 at 6:27:27 AM CDT
To: Andrew Clements <aclements@usaid.gov>
Cc: "Elerian, Akmal (Cairo/OHP)" <AElerian@usaid.gov>, PREDICTMGT <predictmgt@usaid.gov>, Ashna Kibria <akibria@usaid.gov>, jnunezgrullon@usaid.gov

Subject: Re: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

Hi Andrew,

Can you give me a rough estimate of how much spending in Egypt is currently incurring VAT?
Thanks, Tara

On Wed, May 1, 2019 at 2:33 PM Andrew Clements <aclements@usaid.gov> wrote:
Hi Tara and Akmal,

Can you let us know when we might receive an answer from you on this topic?

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*

On Apr 28, 2019, at 9:21 PM, Andrew Clements <aclements@usaid.gov> wrote:

Re-sending....

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, Apr 24, 2019 at 4:37 PM Andrew Clements <aclements@usaid.gov> wrote:

Hi Tara and Akmal,

Hope you are well.

The USAID/PREDICT project is asking if you have any information regarding the establishment of a bilateral agreement in Egypt and whether it would have a VAT exemption on assistance funds? If not, we'll seek another extension of the current waiver.

Thanks!

Andrew

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>

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

UCDUSR0007727

From: **Elizabeth Leasure** <ealeasure@ucdavis.edu>

Date: Tue, Apr 23, 2019 at 11:32 PM

Subject: RE: [predict] Fwd: VAT Exemption for USAID/Egypt for PREDICT-2

To: Elizabeth Leasure <ealeasure@ucdavis.edu>, Andrew Clements <aclements@usaid.gov>, pbradley <pbradley@usaid.gov>

Cc: predict Sympa List <predict@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Hannah R Chale <hrchale@ucdavis.edu>, predictmgt@usaid.gov <predictmgt@usaid.gov>, Jose Nunez Grullon <jnunezgrullon@usaid.gov>

Good afternoon. I'm following up regarding my email below. Any guidance you can provide would be most appreciated.

Many thanks,
Liz

*Elizabeth Leasure
Financial Operations Manager
One Health Institute
[REDACTED]
530-754-9034 (office)
Skype: ealeasure*

From: predict-request@ucdavis.edu <predict-request@ucdavis.edu> **On Behalf Of**
Elizabeth Leasure

Sent: Tuesday, April 16, 2019 3:52 PM

To: Andrew Clements <aclements@usaid.gov>; pbradley <pbradley@usaid.gov>

Cc: predict Sympa List <predict@ucdavis.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>; predictmgt@usaid.gov; Jose Nunez Grullon <jnunezgrullon@usaid.gov>

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Thank you,
Liz

*Elizabeth Leasure
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[REDACTED]
530-754-9034 (office)
Skype: ealeasure*

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

From: **Ryland Marbray** <rmarbray@usaid.gov>

Date: Wed, Apr 25, 2018 at 6:03 PM

Subject: Re: VAT Exemption for USAID/Egypt for PREDICT-2

To: Shana Gillette <sgillette@usaid.gov>

Cc: Alisa Pereira <apereira@usaid.gov>, Andrew <aclements@usaid.gov>

Hi Shana,

Please find a VAT exemption attached for Egypt until September 2018. We can review and revisit this subject at that time.

Best,

Ryland Marbray
Assistance Officer

On Tue, Mar 21, 2017 at 3:34 PM, Shana Gillette <sgillette@usaid.gov> wrote:
Dear Ryland,

Any suggestions on how PREDICT should proceed with the VAT exemption given the current circumstances in Egypt described below?

Best,
Shana

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

From: **Robert Claussen** <rclaussen@usaid.gov>

Date: Wed, Feb 22, 2017 at 9:30 AM

Subject: VAT Exemption for USAID/Egypt for PREDICT-2

To: sgillette@usaid.gov, aclements@usaid.gov

Cc: Akmal Elerian <aelerian@usaid.gov>, Tara Simpson <tsimpson@usaid.gov>, Shaymaa shaatoot <sshaatoot@usaid.gov>

Dear Shana and Andrew - Greetings from USAID/Egypt.

I wanted to engage you with an issue we have been dealing with over the past month. Just before Christmas, Patrick Dawson from the EcoHealth Alliance reached out to one of our staff Dr. Akmal for assistance regarding VAT exemption for work that they are doing under PREDICT-2 in Egypt. You should know that VAT was introduced in Egypt just a few months ago and while we are negotiating an exemption for our bilateral partners, we have not reached an agreement yet with the Egyptian tax authorities.

In this interim time, we are unable to provide assistance for any tax exemption to the PREDICT-2 project as it does not fall into our of our bilateral agreements with the Government of Egypt. What we can offer is the attached 1978 bilateral framework agreement with the Government of Egypt that may help this implementer negotiate some tax relief.

I hope this helps and apologies that we cannot be of further assistance.

Robert Claussen

USAID/Egypt

Contracting and Agreement Officer | Office of Procurement

www.usaid.gov/egypt | facebook.com/USAIDEgypt | twitter.com/USAIDEgypt

note that Cairo is +7 hours from EST and follows a Sunday through Thursday work week.

UCDUSR0007729

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Shana Gillette, PhD
Senior Risk Mitigation Adviser
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Tara Simpson
USAID/Egypt
Deputy Director and Health Team Leader | Office of Education and Health
Office: (2-02) 2522-6896 | Mobile: (2) REDACTED | US Number: (202) 216-6319 ext. 6896 Email: tsimpson@usaid.gov
www.usaid.gov/egypt | facebook.com/USAIDEgypt | twitter.com/USAIDEgypt

Sent: Mon, 03 Jun 2019 20:24:11 +0000
Subject: Thursday's GVP call?
From: cchrisman@usaid.gov
To: jkmazet@ucdavis.edu, etogami@ucdavis.edu, maher@ecohealthalliance.org, erubin@metabiota.com, cchrisman@usaid.gov, daszak@ecohealthalliance.org, dcarroll@usaid.gov

Hi Team,

Just wanted to check in and see if Jonna, Peter, and Eddy will be available for Thursday's GVP call? In that event, we'll focus on the TORs and Dennis will not join. Alternatively, we can plan to discuss other items.

Thanks,
Cara

GVP call

When Thu Jun 6, 2019 1pm – 2pm Eastern Time - New York

Where call in line **REDACTED**, passcode **REDACTED** ([map](#))

Who

- watson@ecohealthalliance.org - organizer
- cchrisman@usaid.gov
- **REDACTED**
- jkmazet@ucdavis.edu
- nwolfe@metabiota.com
- erubin@metabiota.com
- dcarroll@usaid.gov
- Peter Daszak

From: Andrew Clements <aclements@usaid.gov>
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
CC: pnoble@ucdavis.edu <pnoble@ucdavis.edu>; Amalhin Shek
<ashek@usaid.gov>; PREDICTMGT <predictmgt@usaid.gov>; Jonna Mazet
<jkmazet@ucdavis.edu>; djwolking@ucdavis.edu <djwolking@ucdavis.edu>
Sent: 6/21/2019 2:02:03 PM
Subject: Re: AID-OAA-A-14-00102 - Mod 14

Hi Liz,

Please let us know if you need a decoder ring to figure out which countries the specific funding amounts apply to. Hopefully, these numbers perfectly line up with the numbers you already had so it'll be easy to figure out.

Have a good weekend.

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 Jun 21, 2019, at 4:14 PM, Jose Nunez Grullon <jnunezgrullon@usaid.gov> wrote:

Dear All,

Please find attached modification 14 to subject award which incrementally fund the award in the amount of \$14,600,000.

Should you have any questions, please do not hesitate to contact this office.

Sincerely,

JOSE L. NUNEZ
Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 469-G
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4123
(Contractor-Jefferson Solutions, LLC)

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Andrew Clements <aclements@usaid.gov>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>, predict Sympa List <predict@ucdavis.edu>, David John Wolking <djwolking@ucdavis.edu>, Hannah R Chale <hrchale@UCDAVIS.EDU>, Alisa Pereira <apereira@usaid.gov>
Subject: RE: New subaward request: Johns Hopkins (POP start 6/20/19)
Sent: Mon, 24 Jun 2019 22:56:21 +0000

Hi Andrew. I'm just following up regarding my email below. If you have any questions, please let me know.

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: Monday, June 17, 2019 12:18 PM
To: Andrew Clements <aclements@usaid.gov>
Cc: Jonna Mazet <jkmazet@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>; David John Wolking <djwolking@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>; Alisa Pereira <apereira@usaid.gov>
Subject: [predict] New subaward request: Johns Hopkins (POP start 6/20/19)

Hi Andrew. Please find attached a request for approval to establish a new subaward with Johns Hopkins University for serology, which includes a requested start date of 6/20/19. Johns Hopkins is a domestic institution of higher education, and as such, only AOR approval is required. **Please note that this subaward will only be established if/when the balance of the Y5 core budget is obligated.** If you have any questions or need anything else to approve, please let me know.

Thanks,
Liz

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

From: Molly Turner <turner@ecohealthalliance.org>
To: Elizabeth Leasure <ealeasure@ucdavis.edu>
CC: Evelyn Luciano <luciano@ecohealthalliance.org>; Peter Daszak
<daszak@ecohealthalliance.org>; predict Sympa List <predict@ucdavis.edu>; Hannah R
Chale <hrchale@ucdavis.edu>
Sent: 6/26/2019 12:59:36 PM
Subject: [predict] Re: PREDICT amendments forthcoming

Hi Liz,

This looks like a little more than enough funding to get us through June. Do you know at this point whether we can expect the remaining \$2.6 million from our approved Year 5 budget?

Thanks,
Molly

On Tue, Jun 25, 2019 at 3:49 PM Molly Turner <turner@ecohealthalliance.org> wrote:
Thanks Liz!

On Tue, Jun 25, 2019 at 3:35 PM Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Molly and Evelyn. We've got a couple amendments coming your way for your PREDICT subawards. They are not for the full amount remaining to be obligated for Y5, as we did not receive the full amount we were expecting from USAID (more about this on EB tomorrow). These amendments do not include any funds for China or India and only minimal funds for RoC and Bangladesh (given the small amounts obligated in FY18 funds for these countries). The full Y5 USAID/Jordan budget of \$200K is included (split between the two subawards). We're still working on getting the remaining funds from USAID, so we're doing a partial obligation at this time to get you funding as quickly as possible while we figure out the details for the next funding obligation. If you have any questions, please let me know.

Please note that payment of your April invoice will be on hold until these obligations are executed, as there isn't currently enough left on the cost reimbursement subaward to pay the invoice. If you can sign and return the amendments ASAP, that will help speed up the payment. You should receive the amendments for signature soon.

Thanks,

Liz

Elizabeth Leasure

Financial Operations Manager

One Health Institute

530-304-1403 (cell)

530-754-9034 (office)

--

Molly Turner

PREDICT Operations Manager for EHA

EcoHealth Alliance Operations

EcoHealth Alliance

460 West 34th Street, Suite 1701

New York, NY 10001

1.212.380.4461 (office)

1.973.752.4627 (mobile)

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

PREDICT Operations Manager for EHA

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From: "William B. Karesh" <karesh@ecohealthalliance.org>
To: Maysa Al-Khateeb <malkhateeb@usaid.gov>
Cc: Ehab Abu-Basha <abubasha@just.edu.jo>, Amanda Andre <amanda.andre@ecohealthalliance.org>, Andrew Clements <AClements@usaid.gov>, predict Sympa List <predict@ucdavis.edu>, Elizabeth Leasure <ealeasure@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Daniel Sinclair <dsinclair@usaid.gov>
Subject: Re: Karesh trip to Jordan
Sent: Wed, 3 Jul 2019 14:42:37 +0000

So sorry, yes, my mind was stuck in June but all dates refer to July.
Billy

William B. Karesh, D.V.M
Executive Vice President for Health and Policy

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

+1.212.380.4463 (direct)
+1.212.380.4465 (fax)
www.ecohealthalliance.org

President, OIE Working Group on Wildlife

Co-chair, IUCN Species Survival Commission - Wildlife Health Specialist Group

EPT Partners Liaison, USAID Emerging Pandemic Threats - PREDICT-2 Program

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 promote conservation and prevent pandemics.

On Jul 3, 2019, at 3:08 AM, Maysa Al-Khatceb <malkhatceb@usaid.gov> wrote:

Thanks Billy,

I believe the dates below are for July not June, I sent a follow up email just now to Dr.Ehab copying you to confirm July's plan as your trip is mainly to support in this, so initially I provide mission concurrence but if any change I would recommend to postpone the visit accordingly.

Thanks
Maysa

Maysa Al-Khateeb,
Population and Family Health
Management Specialist /USAID
Tel:+962-659-06124
Mobile:+**REDACTED**

On Tue, Jul 2, 2019 at 6:58 PM William B. Karesh <karesh@ecohealthalliance.org> wrote:

Hi Maysa,

UCDUSR0007737

Below is my proposed SoW for my visit to Jordan. An ITA has been submitted.

Saturday, 13 June - Arrive Amman

Sunday, 14 June - meetings with Jordan PREDICT team, in-briefing with USAID Mission if available.

Monday, 15 June - trip to southern Jordan with PREDICT team and USAID for official opening of one of the two labs (Karak or Ma'an).

Tuesday, 16 June - meetings with Jordan PREDICT team and preparation for dissemination of the PREDICT work.

Wednesday 17 June - meetings with Jordan CVO and discussion of future plan and Veterinary Service needs. Meeting with RSS.

Thursday, 18 June- Dissemination workshop for PREDICT. Expected attending parties from MOH, MOA, MOE, RSS, Badia Fund, USAID, FAO, WHO and One Health Committee. Out-briefing after the workshop.

Friday, 19 June - Depart Amman

Looking forward to seeing you,

Billy

William B. Karesh, D.V.M

Executive Vice President for Health and Policy

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

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EPT Partners Liaison, USAID Emerging Pandemic Threats - PREDICT-2 Program

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 promote conservation and prevent pandemics.

From: Sami Abbasi <sabbasi@usaid.gov>
To: David J Wolking <djwolking@ucdavis.edu>
CC: PREDICTMGT <predictmgt@usaid.gov>; Prof. Jonna Mazet <jkmazet@ucdavis.edu>; Patricia Bradley <pbradley@usaid.gov>; Andrew Clements <aclements@usaid.gov>; Jose Nunez Grullon <jnunezgrullon@usaid.gov>; Hannah R Chale <hrchale@ucdavis.edu>; Elizabeth Leasure <ealeasure@ucdavis.edu>
Sent: 7/3/2019 11:45:42 AM
Subject: Re: Notification of Change in P2 Key Personnel

Thank you, you too!

Sami Abbasi

Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 549-I
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4652

On Wed, Jul 3, 2019 at 12:01 PM David J Wolking <djwolking@ucdavis.edu> wrote:
Hi Sami,

Well received with thanks! We have sent these to the UC Davis Sponsored Programs Office for review and signature and will be in touch ASAP.

Enjoy the holiday!

David

On Wed, Jul 3, 2019 at 6:52 AM Sami Abbasi <sabbasi@usaid.gov> wrote:
Dear All,

Attached, please find Mod#15 to Predict Award AID-OAA-A-14-00102 for Key Personnel change and to update RAA24 Protecting Life in Global Health Assistance standard provision. Please acknowledge receipt and revert with a signed copy at your earliest.

Let me know if you have any questions.

Best,

Sami Abbasi

Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 549-I
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4652

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

From: Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Date: Tue, Jun 18, 2019 at 8:52 AM
Subject: Fwd: Notification of Change in P2 Key Personnel
To: Sami Abbasi <sabbasi@usaid.gov>

Hi Sami,

See attached the recommendation for key personnel change on PREDICT award.

Thanks,

JOSE L. NUNEZ

Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 469-G
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4123
(Contractor-Jefferson Solutions, LLC)

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

From: **Andrew Clements** <aclements@usaid.gov>

Date: Wed, Feb 20, 2019 at 9:57 AM

Subject: Fwd: Notification of Change in P2 Key Personnel

To: Bradley, Patricia (M/OAA/GH) <pbradley@usaid.gov>

Cc: David J Wolking <djwolking@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, PREDICTMGT <predictmgt@usaid.gov>, Jose Nunez Grullon <jnunezgrullon@usaid.gov>

Hi Patricia,

See attached for a notification by PREDICT-2 of a change in key personnel and the project's recommendation for the way forward. I agree with this recommendation and am sharing it with you for AO approval.

Please let me know if you have any questions.

Andrew

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>

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

From: **David J Wolking** <djwolking@ucdavis.edu>

Date: Tue, Feb 19, 2019 at 9:09 PM

Subject: Notification of Change in P2 Key Personnel

To: Clements, Andrew (GH/HIDN) <AClements@usaid.gov>, Alisa Pereira Emerging Threats Division <apereira@usaid.gov>, PREDICTMGT <predictmgt@usaid.gov>

Cc: predict@ucdavis.edu <predict@ucdavis.edu>, Prof. Jonna Mazet <jkmazet@ucdavis.edu>, Elizabeth Leasure <ealeasure@ucdavis.edu>

Hi Andrew and Alisa,

My apologies for the misunderstanding on our call earlier today. It appears this message with regard to notification of a change in P2 key personnel, while prepared for circulation on February 6th, never made it out of our UC Davis mail ecosystem.

Attached is the our official notification of this change due to the resignation of Dr. Leilani Francisco. Please let us know if you have any questions or concerns.

UCDUSR0007740

Best,

David

From: Karen Saylor **REDACTED**
Sent: Mon, 15 Jul 2019 03:11:54 -0700
To: David J Wolking <djwolking@ucdavis.edu>, predict Sympa List <predict@ucdavis.edu>
Cc: David McIver <dmciver@metabiota.com>
Subject: [predict] Re: Action required: Country Close-out Cards - First edition due July 15, 2019
[DRC-CAM-LAOS_P2 Close-out Card_July 15 2019.xlsx](#)

Hey David.

We got a bit of additional late-breaker info from Mat, which I've added in, so please use this version.

Cheers,

Karen

On Fri, Jul 12, 2019 at 10:27 PM Karen Saylor <**REDACTED**> wrote:

Hey David and team.

Here are our Country Closeout Cards for Cameroon, DRC and Lao PDR.

Let us know if you have questions.

Happy weekend!

best,

Karen

On Wed, Jul 3, 2019 at 2:07 PM David J Wolking <djwolking@ucdavis.edu> wrote:

Hi again,

This is the last painful email of the day I promise. Remember Vancouver? We came up with the idea of country report cards? Well, here they are finally! We renamed them "close-out cards" and after working with the Executive Board and technical team leads (e.g., Capacity, Surveillance, Behavior, IM, etc.) we finally have a template ready for you all to complete.

A few notes to get us started:

- All country teams will be completing these close-out cards monthly until September 30, 2019, hopefully moving all items in the "deliverables" list squarely into "green" for successful wrap up.
- We will be sending these out the first week of every month with just under a 2 week turnaround.
- Just like the sample disposition slides Corina shared earlier today, this first round will be due to HQ on July 15, 2019
- Please email completed cards to Bridgette Smith (brpsmith@ucdavis.edu) and copy predict@ucdavis.edu
- Feel free to build multiple countries into one workbook per consortium partner, but please keep each country on a separate and clearly named tab/sheet (e.g., "Rwanda", "Uganda", etc.)

If you have any questions, please let Bridgette and I know...

Cheers,

David and Bridgette

Produced in Native Format

From: David J Wolking <djwolking@ucdavis.edu>
Sent: Mon, 15 Jul 2019 06:21:24 -0700
To: Karen Saylor **REDACTED**
Cc: David J Wolking <djwolking@ucdavis.edu>, predict Sympa List <predict@ucdavis.edu>, David McIver <dmciver@metabiota.com>
Subject: [predict] Re: Action required: Country Close-out Cards - First edition due July 15, 2019

Got it thanks!

On Mon, Jul 15, 2019 at 3:12 AM Karen Saylor **REDACTED** wrote:

Hey David.

We got a bit of additional late-breaker info from Mat, which I've added in, so please use this version.

Cheers,

Karen

On Fri, Jul 12, 2019 at 10:27 PM Karen Saylor **REDACTED** wrote:

Hey David and team.

Here are our Country Closeout Cards for Cameroon, DRC and Lao PDR.

Let us know if you have questions.

Happy weekend!

best,

Karen

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- All country teams will be completing these close-out cards monthly until September 30, 2019, hopefully moving all items in the "deliverables" list squarely into "green" for successful wrap up.
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- Feel free to build multiple countries into one workbook per consortium partner, but please keep each country on a separate and clearly named tab/sheet (e.g., "Rwanda", "Uganda", etc.)

If you have any questions, please let Bridgette and I know...

Cheers,

David and Bridgette

From: David J Wolking <djwolking@ucdavis.edu>
Sent: Wed, 31 Jul 2019 21:12:23 -0700
Subject: Re: Action required: Global PPTs for close-out meetings - July 9th slides?
To: Christine Kreuder Johnson <ckjohnson@ucdavis.edu>
Cc: David John Wolking <djwolking@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Billy Karesh <karesh@ecohealthalliance.org>, Suzan Murray <MurrayS@si.edu>

Great, thanks!

On Wed, Jul 31, 2019 at 4:21 PM Christine Kreuder Johnson <ckjohnson@ucdavis.edu> wrote:

David, sounds like a good idea.

Added the slides to this folder here . . . **REDACTED** . . . as I wasn't able to access the folder below (no doubt my own inadequacy).

I'm cc'ing Billy and Suzan just to make sure they're ok with sharing their slides with country teams for use in close out meetings.

Thank you

/ckj

From: David J Wolking <djwolking@ucdavis.edu>
Date: Wednesday, July 31, 2019 at 11:46 AM
To: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, Jonna Mazet <jkmazet@ucdavis.edu>
Subject: Action required: Global PPTs for close-out meetings - July 9th slides?

Hey Chris,

I'm getting daily requests now for PPT slides country teams can use in their close-out meetings. Not country specific slides, but up to date and current slides that present PREDICT's global strategy, approach, and major achievements (the big picture). We talked on EB about generating some of these but didn't circulate or close the loop.

Probably our most up to date deck is the July 9th presentation right? The only other recent one I have access to is Jonna's GHS presentation from Sydney.

Almost all of the brown bag slide decks are now > 1 year old (with the exception of Wout and Brian's talks from March 2019) but I don't want to direct anyone to those materials.

[I created this folder](#) for these materials, so if you could upload the July 9th briefing that would be amazing.

Thanks!

David

From: Katherine Leasure <kaleasure@ucdavis.edu>
To: PREDICTMGT <predictmgt@usaid.gov>
CC: Predict inbox <predict@ucdavis.edu>; Jonna Mazet <Jkmazet@ucdavis.edu>
Sent: 8/14/2019 6:09:09 PM
Subject: Time Sensitive: PREDICT International Travel Request (Mouiche)

Hi Andrew. Please find below an ITA request for Mactar Mouiche Moulion to travel to Nigeria. Our apologies for the late submission of the request; Metabiota just became aware of the need for Mactar to travel to Nigeria in order to obtain his visa for the Bali meeting. Please let me know if you have any questions. Thanks!

1. \$1600 airfare/\$571 (Abuja) max daily per diem

Travel Requests –

1. Metabiota would like to request travel approval for Dr. Mactar Mouiche Moulion, PREDICT Cameroon Country Coordinator to travel from Yaoundé, Cameroon to Abuja, Nigeria from August 26-28, 2019 to apply for a visa at the Indonesia Consulate so that he can participate in the PREDICT-2 All Country Meeting.

Trip purpose: In order to acquire an Indonesia Visa, Dr. Mouiche must attend the Indonesia Consulate assigned to Cameroon in person. Dr. Mouiche will apply for the visa and return to Cameroon as soon as the visa is issued. This will allow him to attend the PREDICT-2 All Country Meeting in Bali Indonesia.

--

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

From: "Tammie O'Rourke" <torourke@metabiota.com>
Sent: Thu, 15 Aug 2019 07:57:47 -0700
Subject: Re: CUGH 2020 Abstract submission - SpillOver
To: [REDACTED]
Cc: Christine Kreuder Johnson <ckjohnson@ucdavis.edu>, Tracey Goldstein <tgoldstein@ucdavis.edu>, "Anthony, Simon J." <sja2127@cumc.columbia.edu>, Kirsten Gilardi <kvgilardi@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Kevin Olival <olival@ecohealthalliance.org>, "murrays@si.edu" <murrays@si.edu>, Jonna Mazet <jkmazet@ucdavis.edu>

Thank-you for including me [REDACTED] I have nothing to add, the abstract looks great to me.
Tammie

On Wed, Aug 14, 2019 at 2:47 PM [REDACTED] wrote:

Hi Everyone,

Jonna and I would like to submit an abstract for the SpillOver risk analysis at the CUGH 2020 conference (<https://www.cugh2019.org/>). Please see attached the draft abstract submission for your input. I (just!) qualify for the Young Scientist Oral Presentation so we are looking to submit it in that category. As co-authors, please feel free to send me any comments or tracked changes by **COB Thursday August 22nd**. If I do not hear from you, I will assume you do not have any comments and are happy to be included in the abstract.

Many thanks,

[REDACTED]

[REDACTED]

Project Scientist, PREDICT Project of USAID

Postdoctoral Researcher in Disease Ecology

One Health Institute

School of Veterinary Medicine

University of California Davis

1089 Veterinary Medicine Drive

Davis, CA 95616, USA

Mobile: [REDACTED]

--
Tammie O'Rourke
Metabiota

UCDUSR0007748

Senior Information Management Developer
Emerging Pandemic Threats - PREDICT Program
tel +1-250-618-2460

From: Katherine Leasure <kaleasure@ucdavis.edu>
To: PREDICTMGT <predictmgt@usaid.gov>
CC: Predict inbox <predict@ucdavis.edu>;Jonna Mazet <Jkmazet@ucdavis.edu>
Sent: 8/16/2019 9:13:11 AM
Subject: Re: Time Sensitive: PREDICT International Travel Request (Mouiche)

Hi Andrew. I just wanted to follow-up on this ITA, as I hadn't heard back. Please let me know if you have any questions. Thanks!

On Wed, Aug 14, 2019 at 6:09 PM Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. Please find below an ITA request for Moctar Mouiche Moulion to travel to Nigeria. Our apologies for the late submission of the request; Metabiota just became aware of the need for Moctar to travel to Nigeria in order to obtain his visa for the Bali meeting. Please let me know if you have any questions. Thanks!

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--

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

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: 8/16/2019 12:16:57 PM
Subject: Re: Time Sensitive: PREDICT International Travel Request (Mouiche)

Yeah, I am mulling over whether \$2,100 to go to Nigeria to get a visa is a good investment.

*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 16, 2019, at 12:13 PM, Katherine Leasure <kaleasure@ucdavis.edu> wrote:

Hi Andrew. I just wanted to follow-up on this ITA, as I hadn't heard back. Please let me know if you have any questions. Thanks!

On Wed, Aug 14, 2019 at 6:09 PM Katherine Leasure <kaleasure@ucdavis.edu> wrote:

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--
Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--
Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--
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 view this discussion on the web visit <https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAD6->

xMLyF%3Di3rRQCg97_aOxB5kBttaal%2BOHBBggiV_WzfdVVQ%40mail.gmail.com.

From: Katherine Leasure <kaleasure@ucdavis.edu>
To: Andrew Clements <aclements@usaid.gov>
CC: PREDICTMGT <predictmgt@usaid.gov>; Predict inbox <predict@ucdavis.edu>; Jonna Mazet <Jkmazet@ucdavis.edu>
Sent: 8/16/2019 1:05:52 PM
Subject: Re: Time Sensitive: PREDICT International Travel Request (Mouiche)

If helpful in your review, my understanding from Beth is that Moctar will be able to get the visas for both Cameroon attendees; only one of them has to be there in person and pay in cash.

On Fri, Aug 16, 2019 at 12:17 PM Andrew Clements <aclements@usaid.gov> wrote:
Yeah, I am mulling over whether \$2,100 to go to Nigeria to get a visa is a good investment.

*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*

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Hi Andrew. I just wanted to follow-up on this ITA, as I hadn't heard back. Please let me know if you have any questions. Thanks!

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1. \$1600 airfare/\$571 (Abuja) max daily per diem

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--

Katherine Leasure

HR/Payroll/Financial Assistant

One Health Institute

530-752-7526

From: Kevin Olival <olival@ecohealthalliance.org>
Subject: Re: PREDICT Emerging Disease Insights for USAID Products Package
Sent: Sat, 17 Aug 2019 06:39:29 -0400
Cc: Peter Daszak <daszak@ecohealthalliance.org>, Jon Epstein <epstein@ecohealthalliance.org>, Christine Kreuder Johnson <ckjohnson@ucdavis.edu>, Alison Andre <andre@ecohealthalliance.org>, Brooke Genovese <bgenovese@ucdavis.edu>, Noam Ross <ross@ecohealthalliance.org>
To: Jonna Mazet <jkmazet@ucdavis.edu>, Jaber Belkhiria <jabelkhiria@ucdavis.edu>, [REDACTED]
[REDACTED]
[EDI Spillover article_zg JM_KJO.docx](#)
[Insightsa](#)

Dear [REDACTED] and Jaber,

I've added in my edits and comments for consideration, on top of Jonna's versions. Well done!

I'm off on vacation soon... so cc'ing Noam here so he can follow up on sending the EDI code for you to modify and use the template as needed (as I promised in my comments).

Cheers,
Kevin

<>Kevin J. Olival, PhD
Vice President for Research

EcoHealth Alliance
460 West 34th Street, Suite 1701
New York, NY 10001

1.212.380.4478 (direct)
[REDACTED] (mobile)
1.212.380.4465 (fax)
www.ecohealthalliance.org <<http://www.ecohealthalliance.org>>

> On Aug 15, 2019, at 11:39 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:
>
> My edits on these, if you'd like to review the version with edits.
> Thanks to [REDACTED] & Jaber for drafting!
> Jonna
>
> On Mon, Aug 12, 2019 at 10:51 AM Brooke Genovese <bgenovese@ucdavis.edu
<mailto:bgenovese@ucdavis.edu>> wrote:
> Hi everyone,
>
>
>
> Attached are two of four EDI pieces for review from [REDACTED] & Jaber. Jonna will be co-reviewing these with
you all. Deadline for review is August 19th – please track your changes.
>
>
>
> Two more EDI pieces will follow in the coming days. Let me know if you have any questions!
>
>
>
> Thanks,

>
> Brooke
>
>
>
> From: Brooke Genovese <bgenovese@ucdavis.edu <mailto:bgenovese@ucdavis.edu>>
> Date: Friday, July 26, 2019 at 1:27 PM
> To: Peter Daszak <daszak@ecohealthalliance.org <mailto:daszak@ecohealthalliance.org>>, Jon
Epstein <epstein@ecohealthalliance.org <mailto:epstein@ecohealthalliance.org>>, Kevin Olival
<olival@ecohealthalliance.org <mailto:olival@ecohealthalliance.org>>, Christine Kreuder Johnson
<ckjohnson@UCDAVIS.EDU <mailto:ckjohnson@UCDAVIS.EDU>>
> Cc: Alison Andre <andre@ecohealthalliance.org <mailto:andre@ecohealthalliance.org>>, Jonna Mazet
<jkmazet@ucdavis.edu <mailto:jkmazet@ucdavis.edu>>
> Subject: PREDICT Emerging Disease Insights for USAID Products Package
>
>
>
> Hi Peter, Kevin, Jon, and Chris,
>
>
>
> Jonna asked me to give you all a heads-up that she has three EDI pieces in the works to be featured in
the August Products Package / Newsletter for USAID. [REDACTED] Nistara, and Diego intend to have drafts for
review by the M&A team no later than August 12th, and we'd like to have drafts reviewed and finalized 1
week from then (Aug. 19).
>
>
>
> We're also going to include the EDI that Peter just sent out and will link out to the full version. If you
have any EDI's in the works that you'd like to have featured in this upcoming products package, please
let us know and plan to have those ready for review by August 12th. Our graphic design guru, Eunah, will
be laying out the EDI's into a common format (just like the Pathogen Discovery piece that went out in
July) so she'll just need finalized text and figures (with captions) for formatting after the 19th. Note:
These EDI's will double as content for the PREDICT digital report/website, just as the PD package does.
>
>
>
> If you have any questions, please let Jonna or I know.
>
>
>
> Thank you!
>
> -Brooke
>
>
>
>
>
> Brooke Genovese
>
> PREDICT Project Support
>
> Executive Analyst
>
> One Health Institute

>
> School of Veterinary Medicine
>
> bgenovese@ucdavis.edu <mailto:bgenovese@ucdavis.edu>
> o: 530-752-3630
>
>
>
>
>
> <EDI Spillover article_zg JM.docx><Insights on geographic distribution of insectivore bats in Sierra Leone_V5_jb JM.docx>

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Cheers,
Kevin

SpillOver: A new tool for ranking the risk of viral spillover from animals to humans

It is estimated that there are more than 500,000 undiscovered viruses in animals with the potential to spillover into people. Of this large pool, how do we determine which viruses pose the greatest threat to humans? The PREDICT Project of the U.S. Agency for International Development (USAID) Emerging Pandemic Threats Program has identified more than a thousand known and novel viruses in wildlife at high-risk disease transmission interfaces around the world. The project has rapidly expanded our knowledge of viral threats but also has raised questions about the risk these viruses pose to humans. To address this problem, the PREDICT team has developed a new tool to systematically evaluate wildlife viruses in terms of their zoonotic (transmission from animals to humans) and pandemic potential using a scientifically informed process.

The Value of Expert Opinion

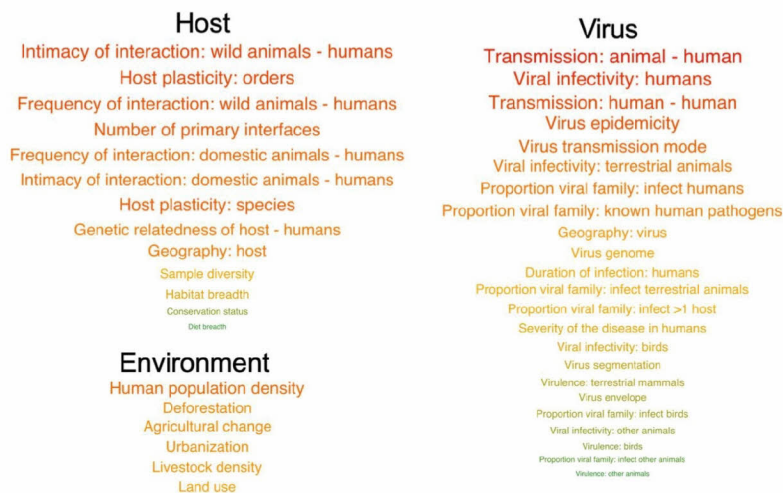


Figure 1 A list of host, virus and environmental risk factors included in SpillOver: Viral Risk Ranking, scaled in size and color (green-orange-red) according to it's contribution (none to high) to the risk of viral spillover from animals to humans.

A number of ecological and behavioral characteristics may influence zoonotic transmission potential and the ability of a virus to spread and cause disease in humans. Using knowledge gained through extensive literature review and research in the field, we identified 42 host, virus, and environmental risk factors thought to be important for a virus to be able to transmit and spread in humans (Fig 1). However, the risk factors do not contribute equally. Using an unbiased approach, the PREDICT team conducted a risk assessment survey of 66 international experts in the fields of virology, epidemiology, ecology, molecular biology, public health, veterinary and human medicine, and One Health. Each participant ranked risk factors identified as important contributors to viral spillover from no risk to high risk. By soliciting expert opinion, we

identified the top perceived contributors to spillover risk including virus transmission abilities, and frequent/intimate interactions between humans and animals (Fig. 1).

Development of the SpillOver: Viral Risk Ranking Tool

SPILLOVER

VIRAL RISK RANKING



Figure 2 Components of the SpillOver: Viral Risk Ranking website tool

The PREDICT team created an interactive website application, called SpillOver: Viral Risk Ranking (Fig. 2). The tool uses a risk ranking framework to produce a detailed spillover risk report for each virus by combining expert opinion, records of virus detection, and external data sources for the 42 risk factors. The SpillOver Virus Report details the relative risk of host, viral, and environmental factors that contribute to a virus' overall Spillover Risk Score. The simple design of SpillOver Ranking Comparison page allows non-technical users and policy makers, as well as the general public to compare and explore the relative public health risk of viruses belonging to families of concern to human health and the opportunity to filter viruses on a selection of key attributes, including country and animal species.

As viral discovery efforts continue to expand our understanding what is potential pathogens exist in nature, the SpillOver Rank Your Virus tool provides an adaptive platform to collate and rank new and existing viruses and to improve our assessment of their risks, with the ultimate aim of forecasting and preventing future disease outbreaks.

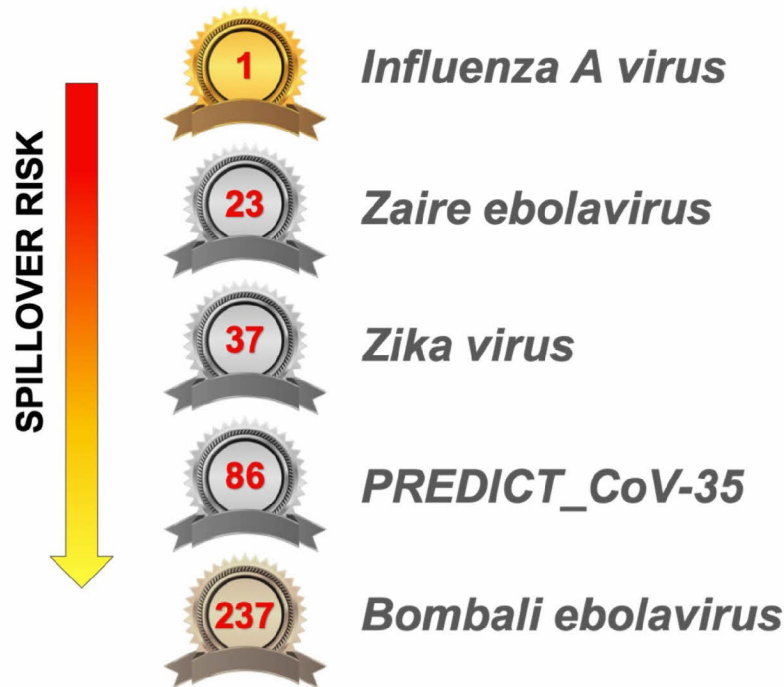


Figure 3 A selection of preliminary results from the SpillOver viral risk ranking assessment including the top ranked virus (*Influenza A virus*), viruses responsible for recent zoonotic outbreaks (*Zaire ebolavirus*, *Zika virus*) and novel viruses discovered during PREDICT (*PREDICT_CoV-35*, *Bombali ebolavirus*).

Creating Order Out of Chaos

SpillOver helps bring some rationality and management of risk when discovering new viruses. To date, SpillOver has ranked 687 viruses, including 79 known zoonotic viruses. The top 45 ranked viruses were all known zoonotic viruses that have had previously-documented spillover from animals to humans. *Influenza A virus*, a ubiquitous zoonotic virus causing frequent and severe disease in humans, was the highest ranked virus.

Of the 614 viruses detected in the first phase of PREDICT, 35 viruses were assigned higher spillover risk values than previously-known zoonotic viruses, such as Coronavirus PREDICT_CoV-35. PREDICT_CoV-35 provisionally ranks in position 86 out of 687. This virus has been found in bats in Cambodia, Cameroon, Democratic Republic of the Congo, and Viet Nam at high-risk disease transmission interfaces including hunting and human dwellings.

The PREDICT-discovered *Bombali ebolavirus* detected in bats living inside houses in Sierra Leone did not rank as highly. However, given the short timeframe since its identification, it is likely that we do not know the full host and geographic range of *Bombali ebolavirus* and more information as it is discovered could change risk estimations.

A Major Step Towards Predicting Viral Spillover

Combining multiple sources and analytics, the simple design of SpillOver requires only a few pieces of readily available information to produce a comparative risk report and addresses calls for an infrastructure to interpret global infectious disease data. All future viral detections from PREDICT and related projects will be reported on this system, and we encourage collaborative participation from external viral discovery efforts.

By creating SpillOver, PREDICT has developed a globally accessible springboard to prompt scientists and policy makers to move towards solutions in the pandemic era. The innovative design is fully customizable for future developments, including updating new and existing risk factors and incorporation of newly-developed and updated data sets. By creating a starting point, we attempt to address the burden of uncertainty created by viral discoveries which can be used to identify specific viruses to target for further investigation (for example, further genome characterization, cell line infection studies, and animal models) that will better inform our understanding of spillover risk. Together, this information can lead to public health interventions prior to a zoonotic outbreak, instead of the costly, in both the economic and societal sense, reactionary response the world has used to date.

Insights on the Geographic Distribution of *Molossid* bats in West Africa to Understand the Geographic Range of Bombali Ebolavirus

Large-scale Ebola virus outbreaks are becoming more frequent, suggesting that the virus may have become endemic in certain regions of Africa, potentially by circulation among animal populations. Without identification of these possible animal sources and prevention programs to block transmission from animals to people, it is likely that future “spillover” of filoviruses, such as Ebola and Marburg from animals to humans will continue to occur.

Virus findings indicate that filoviruses, such as ebolaviruses and Marburg virus, as well as other pathogens circulate in bats (1-2). Because human contact with bats is very common in West Africa, identifying which of them may act as reservoir and transmission hosts is critical to develop and implement targeted prevention measures to reduce the risk of further spillover and outbreaks. PREDICT sought to fulfill this aim by undertaking the largest and most comprehensive multi-country investigation of potential filovirus hosts and reservoirs to date through the USAID PREDICT Ebola Host Project.

PREDICT and other groups have shown that insectivorous bats, particularly from the *Molossidae* family, have been found to carry multiple viruses including the newly identified *Bombali ebolavirus* (BOMV) (3-5). *Molossid* bats often live nearby or even inside of human dwellings, increasing the risk of viral spillover (3-4). Little is known about the specific ecological characteristics or habitats preferred by these bats and the geographic distribution of these species across West Africa.

In direct response to our virus findings and in recognition of the limited data available regarding bat distribution in the region, the Government of Guinea requested assistance identifying areas in the country at highest risk for virus spillover from bats. Identification of these areas will assist the implementation of targeted community engagement programs to reduce the likelihood of virus emergence and spillover in these high-risk zones.

Methods

We developed a spatial distribution model (Maxent) to identify areas that are ecologically suitable for habitation of *Molossidae* sp. bats in Guinea and Sierra Leone. The Maxent approach is commonly used to model the distribution of species in many ecology studies and has been found to have high prediction accuracy (6). We trained the model with highly accurate GPS coordinates of collection sites where individual bats were captured and identified as *Molossidae* family species (e.g., *Mops condylurus* and *Chaerephon pumilus*) by the PREDICT teams in Sierra Leone and Guinea. Potential predictor variables consisted of temperature, rainfall, humidity, wind, elevation, landcover, and distance to water. Correlated variables were removed prior to executing the model and adjustments made for sample selection bias.

Results

The final model (AUC= 0.91) was based on average precipitation (37.7%), distance to water (34.6%), landcover (15.3%), average minimum temperature (10.8%), and average maximum

temperature (1.5%). Highly suitable areas for *Molossidae sp.* bats in Guinea include the region of N'Zérékoré and the lower part of Boké, and in Sierra Leone, the districts of Kambia, Bombali, Tonkolili, Western Areas (Freetown), Kono, and Kailahun were identified.

Conclusion

Due to the devastating impacts of Ebola in West Africa, PREDICT focused additional efforts to better address the threat of filoviruses by understanding their animal origins, while simultaneously strengthening capacity to build and reinforce emerging disease surveillance and detection systems in the region. Using PREDICT data, our model identified areas in Guinea and Sierra Leone that are suitable for habitation by *Molossidae sp.* bats. These bats include the *Mops condylurus* bat, that was found to harbor the *Bombali ebolavirus* and suggest it may be present at higher densities in these locations, resulting in increased human contact and possibly higher virus spillover risk. Tools such as this model can assist the Governments of Guinea and Sierra Leone to better target wildlife surveillance and community-based risk reduction activities. These efforts will help to raise awareness regarding potential risk-enhancing behaviors among the people most likely to be affected by virus spillover while promoting how to live safely with bats.

PREDICT/Guinea Global Leads: jabelkhiria@ucdavis.edu and cgmonagin@ucdavis.edu

References:

1. Towner JS, Amman BR, Sealy TK, Carroll SA, Comer JA, Kemp A, et al. Isolation of genetically diverse Marburg viruses from Egyptian fruit bats. PLoS Pathog. 2009;5:e1000536. doi: [10.1371/journal.ppat.1000536](https://doi.org/10.1371/journal.ppat.1000536)
2. Leroy EM, Kumulungui B, Pourrut X, Rouquet P, Hassanin A, Yaba P, et al. Fruit bats as reservoirs of Ebola virus. Nature 438, 575–576 (2005). doi : 10.1038/438575a
3. Goldstein T, Anthony SJ, Gbakima A, Bird BH, Bangura J, Tremeau-Bravard A, et al. (2018) The discovery of Bombali virus adds further support for bats as hosts of ebolaviruses. Nature Microbiology 3, 1084-1089. doi: 10.1038/s41564-018-0227-2
4. Forbes KM, Webala PW, Jääskeläinen, Abdurahman S, Ogola J, Masika MM, et al. (2019) Bombali Virus in Mops condylurus Bat, Kenya. EID. 25;5. doi: 10.3201/eid2505.181666
5. Karan LS, Makenov MT, Korneev MG, Sacko N, Boumbaly S, Yakovlev SA, et al. (2019) Bombali Virus in Mops condylurus Bats, Guinea. EID. 17;25(9). doi: 10.3201/eid2509.190581
6. Phillips SJ, Dudík M. (2008) Modeling of species distributions with Maxent: new extensions and a comprehensive evaluation. Ecography. 31;2. doi: 10.1111/j.0906-7590.2008.5203.x

Figure : This spatial model shows the probable geographic distribution of *Mollosidae sp.* bats in Sierra Leone and Guinea.

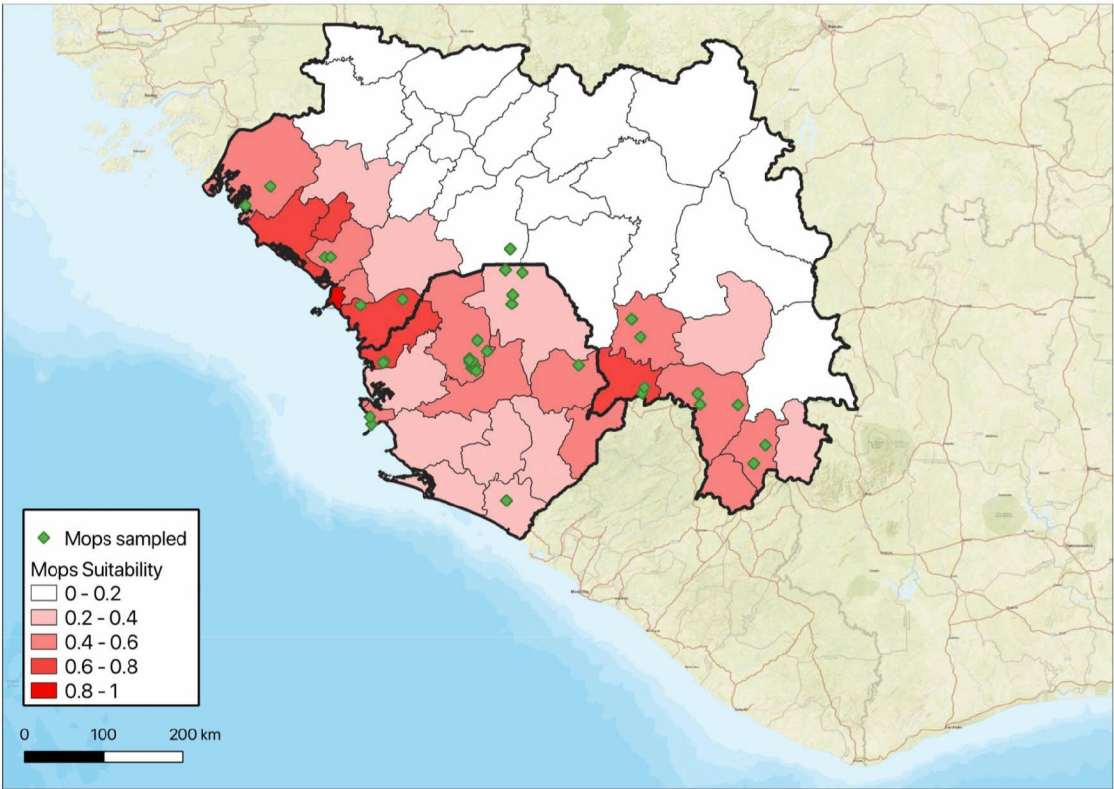




Photo #1 : The PREDICT/Guinea team educates school children in the Forest Region of Guinea on how to live safely with bats using a data-driven behavior change and risk reduction resource that seeks to balance health and conservation goals. Credit : PREDICT/Guinea.



Photo #2 : Members of the PREDICT/Guinea field team safely and humanely collect samples from bats in the Forest Region of Guinea. Credit : PREDICT/Guinea.

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: 8/17/2019 9:55:20 AM
Subject: Re: Time Sensitive: PREDICT International Travel Request (Mouiche)

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
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CC: PREDICTMGT <predictmgt@usaid.gov>; Predict inbox <predict@ucdavis.edu>; Jonna Mazet <Jkmazet@ucdavis.edu>
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Cassandra: please share with the USAID mission as an FYI.

Katie: please proceed with travel arrangements.

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1. \$1600 airfare/\$571 (Abuja) max daily per diem

Travel Requests –

1. Metabiota would like to request travel approval for Dr. Mactar Mouiche Moulion, PREDICT Cameroon Country Coordinator to travel from Yaoundé, Cameroon to Abuja, Nigeria from August 26-28, 2019 to apply for a visa at the Indonesia Consulate so that he can participate in the PREDICT-2 All Country Meeting.

Trip purpose: In order to acquire an Indonesia Visa, Dr. Mouiche must attend the Indonesia Consulate assigned to Cameroon in person. Dr. Mouiche will apply for the visa and return to Cameroon as soon as the visa is issued. This will allow him to attend the PREDICT-2 All Country Meeting in Bali Indonesia.

--

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--

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 view this discussion on the web visit https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAD6-xMLyF%3Di3rRQCg97_aOxB5kBttaal%2BOHBBggjiV_WzfdVVQ%40mail.gmail.com.

--

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

--

Katherine Leasure
HR/Payroll/Financial Assistant
One Health Institute
530-752-7526

From: David J Wolking <djwolking@ucdavis.edu>
Sent: Wed, 28 Aug 2019 14:25:49 -0700
To: "William B. Karesh" <karesh@ecohealthalliance.org>, Julius Nziza **REDACTED**
Cc: Kirsten Gilardi <kgilardi@ucdavis.edu>, "predict@ucdavis.edu" <predict@ucdavis.edu>, Catherine Machalaba <Machalaba@ecohealthalliance.org>
Subject: [predict] ACTION REQUIRED: Congratulations! You've been nominated to lead a session at the PREDICT All-Country Meeting: Translating Data and Risk

Hi Billy and Julius,

On behalf of the All-Country Meeting Coordinating Committee, we are really excited to see you in a few weeks in Bali! Due to your expertise and long-time working with PREDICT, we would like to nominate you both to co-moderate the panel session "**Translating Data and Risk into Communications for Policy and Stakeholders**". It's a 1 hour session on Day 2.

The structure is for two moderators to lead a discussion based on the theme of the session with a panel of participants from various PREDICT host countries. Below you will see details on your panel along with suggested participants. The countries and panelists listed in black are those best suited for the session. Countries/panelists in red are either featured heavily in other sessions or did not provide a strong proposed theme in the Google Form. We tried to pick participants keeping in mind a host of factors including Consortium partner representation, global geography, proposed theme and participation on other panels for overall balance in the program. Ideally, each session will have between 4-6 panelists depending on length and the structure and goals for the session, which are largely your decision as moderators.

First, please let us know if you are willing to lead the session. If so, we'd like you to review the theme and participants and get back to us with any questions or thoughts by this Friday, August 30th. On Monday (September 2nd) we plan to send out another email connecting you with your list of panelists to confirm their participation so you can begin preparations. After that, the rest is in your hands.

Please don't hesitate to reach out with any questions, happy to help!

David

Translating Data and Risk into Communications for Policy and Stakeholders - Billy Karesh and Julius Nziza (Rwanda)

Day 2; 1 hour

Countries/Panelists:

- Rwanda covered by moderator
- Nepal (Manisha) - no proposed theme in Google form so may need follow-up on their ideas

Suggestions:

- Cameroon (Moctar) - now with IDDS; national system, GHSA theme?
- Senegal (Mustafa Lo) - very experienced with data and policy issues in West Africa
- Viet Nam (Nga) - lots of experience with wildlife trade, policy, etc.

From: Andrew Clements <aclements@usaid.gov>
Sent: Fri, 20 Sep 2019 10:15:33 -0700
Subject: Re: Action Requested by 4:00 PM EDT today
To: David J Wolking <djwolking@ucdavis.edu>
Cc: Elizabeth Leasure <ealeasure@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, Amalhin Shek <ashek@usaid.gov>, predict Sympa List <predict@ucdavis.edu>, PREDICTMGT <PREDICTMGT@usaid.gov>, Alisa Pereira <apereira@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>

Thanks. Doesn't have to be perfect.

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 20, 2019, at 6:24 PM, David J Wolking <djwolking@ucdavis.edu> wrote:

Hi Andrew,
Liz is on a flight back from Hong Kong and Jonna is traveling back from the DTRA meetings in Warsaw.

We'll do our best to get you something before 1PM Pacific.

David

On Fri, Sep 20, 2019 at 8:03 AM Andrew Clements <aclements@usaid.gov> wrote:

Sorry, forgot some background and another part of the request:
Additional BG: The early funding would be for the rest of the year 5 work plan activities that have not yet been funded.

3rd part of request: what is the latest that the early funds could arrive to allow you to complete all of the year 5 activities by 3/31/20?

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 Sep 20, 2019, at 4:44 PM, Andrew Clements <aclements@usaid.gov> wrote:

Hi Liz and Jonna,
By 4:00 PM EDT today we need to submit our request for early FY19 core funding. (As always, apologies for the very late request.). In order to understand what amount to request, I need the following:

1. since the monthly burn rate is out of whack with the slowdown and then speed up, please provide us with your best (but fast so don't worry about super precision) estimate of monthly burn rates for core funds for Oct, Nov, and Dec. (If different each month, then provide a separate burn rate for each month.)

2. Provide an estimate of when all obligated core funds will be expended using the 9/30/19 pipeline from the accruals exercise and the burn rates requested above.

Please let me know if you have any questions. Happy to talk by phone if that is easier.

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 Sep 12, 2019, at 6:40 AM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Amalhin. Our accruals for Y5 Q4 are below. Thanks!

July: \$2,858,486

August: \$3,061,381

September: \$3,564,371

TOTAL: \$9,484,239

Oct 1 pipeline (non-Ebola): \$2,216,932

Oct 1 pipeline (Ebola): \$765,175

Elizabeth Leasure

Financial Operations Manager

One Health Institute

530-304-1403 (cell)

530-754-9034 (office)

Skype: ealeasure

From: Amalhin Shek <ashek@usaid.gov>

Sent: Friday, September 6, 2019 7:42 AM

To: predict Sympa List <predict@ucdavis.edu>; David Whitfield **REDACTED**; Chris Dillon <cdillon@umn.edu>; David John Wolking <djwolking@ucdavis.edu>; Mirela (PSE) **REDACTED**; Erik Kohler <ekohler@email.gwu.edu>; Ahmed Al-Ariqi <aalariqi@email.gwu.edu>; Jonna Mazet <jkmazet@ucdavis.edu>; Annie Bartels <barte113@umn.edu>; Elizabeth Leasure <ealeasure@UCDAVIS.EDU>; Jeff Bender <bende002@umn.edu>; mpowell@usgs.gov; momeara@usgs.gov; Katie Taratus <Katie_Taratus@dai.com>; Cesnalis, Daniel <DCesnalis@nas.edu>; Cecilia <cshah@nas.edu>; Katey Pelican <pelicank@umn.edu>; Tonetti, Bianca (TCE)

<[REDACTED]>

Cc: OHWMGT <ohwmgt@usaid.gov>; PREDICTMGT <PREDICTMGT@usaid.gov>; FAOMGT <faomgt@usaid.gov>;
P&RMGT <prmtg@usaid.gov>; Alisa Pereira <apereira@usaid.gov>; Cassandra Louis
Duthil <clouisduthil@usaid.gov>; Amanda Paust <apaust@usaid.gov>; Padmaja Shetty
<pshetty@usaid.gov>; Cara Chrisman <cchrisman@usaid.gov>

Subject: Action Requested-COB NEXT THURSDAY: FY19, Q4 Accruals

Happy Friday Team,

It is once again Accruals time. Could you please send the following information in an email no later than COB next Thursday, the 12th?

- Actual July Expenses
- Projected August Expenses
- Projected September Expenses
- Projected Pipeline for October 1, 2019 (total and broken out by Ebola and Core)

If you have not already submitted, please submit expenditures by country and account as of most recent date you have available.

Thanks in advance,

Amalhin Shek | Budget & Communications Analyst
Bureau for Global Health, Office of Infectious Disease, [Emerging Threats Division](#)
Phone: 571-551-7102(o) 571-236-0989(c) | CP3 8092

USAID Contractor
GHSI-III - Social Solutions International, Inc.

From: Bridgette Phebean Smith <brpsmith@ucdavis.edu>
To: Anne Laudisoit <laudisoit@ecohealthalliance.org>
Cc: Ava Sullivan <sullivan@ecohealthalliance.org>, Jon Epstein <epstein@ecohealthalliance.org>, Emily Hagan <hagan@ecohealthalliance.org>, Hongying Li <li@ecohealthalliance.org>, Kevin Olival <Olival@ecohealthalliance.org>, Alice Latinne <latinne@ecohealthalliance.org>, "William B. Karesh" <karesh@ecohealthalliance.org>, Peter Daszak <daszak@ecohealthalliance.org>, Evelyn Luciano <luciano@ecohealthalliance.org>, predict Sympa List <predict@ucdavis.edu>
Sent: Mon, 23 Sep 2019 04:21:59 +0000
Subject: [predict] Re: Action required: Country Close-out Cards - Due September 20, 2019

Hello team,

Thank you for sharing these closeout cards. We will be in touch if there are any questions.

Best,

BRIDGETTE SMITH, MPH International Programs Specialist
One Health Institute | www.onehealth.institute | predict.global
University of California, Davis
School of Veterinary Medicine
Phone: (916) 370-5864
Email: brpsmith@ucdavis.edu

From: Anne Laudisoit <laudisoit@ecohealthalliance.org>
Sent: Sunday, September 22, 2019 7:31 AM
To: Bridgette Phebean Smith <brpsmith@ucdavis.edu>
Cc: Ava Sullivan <sullivan@ecohealthalliance.org>; Jon Epstein <epstein@ecohealthalliance.org>; Emily Hagan <hagan@ecohealthalliance.org>; Hongying Li <li@ecohealthalliance.org>; Kevin Olival <Olival@ecohealthalliance.org>; Alice Latinne <latinne@ecohealthalliance.org>; William B. Karesh <karesh@ecohealthalliance.org>; Peter Daszak <daszak@ecohealthalliance.org>; Evelyn Luciano <luciano@ecohealthalliance.org>
Subject: Re: Action required: Country Close-out Cards - Due September 20, 2019

Dear all
Here are the close out cards for RoC and CIV
Anne

On Thu, Sep 19, 2019 at 11:08 PM Bridgette Phebean Smith <brpsmith@ucdavis.edu> wrote:

Hi Ava, that will be okay! Thank you for working with the teams on these!
Best, Bridgette

On Sep 19, 2019, at 3:10 AM, Ava Sullivan <sullivan@ecohealthalliance.org> wrote:

Hi Bridgette,
Well received. I think our crew will need until Monday at least for this. Is that amenable?

-
Ava Sullivan

On Sep 19, 2019, at 6:01 AM, Bridgette Phebean Smith <brpsmith@ucdavis.edu> wrote:

Hello all,

Thank you all for filling out the P2 Closeout country cards last month. As we approach the end of the project and country sub-awards on September 30th, this is the final round of these close-out cards.

Since this is our last round, please provide details on the status of items remaining incomplete in the "notes" column as we expect each country to be in the "green" at the end of the month.

UCDUSR0007777

As usual, please email completed cards to Bridgette Smith (brpsmith@ucdavis.edu) and copy predict@ucdavis.edu by **Friday September 20th**.

Each workbook is consortium partner specific based on their geographic portfolio. Feel free to split them up if needed but make sure the country name is retained on the worksheet tab.

If you have any questions, please feel free to let me know.

Best,

BRIDGETTE SMITH, MPH International Programs Specialist
One Health Institute | www.onehealth.institute | predict.global
University of California, Davis
School of Veterinary Medicine
Phone: (916) 370-5864
Email: brpsmith@ucdavis.edu

<P2 Close-out Card_September 2019_WCS.xlsx>

<P2 Close-out Card_September 2019_SI.xlsx>

<P2 Close-out Card_September 2019_UCD.xlsx>

<P2 Close-out Card_September 2019_MB.xlsx>

<P2 Close-out Card_September 2019_EHA.xlsx>

--

Laudisoit Anne (pHD)

Senior Scientist - PREDICT Country Liaison for Ivory Coast and Republic of Congo

EcoHealth Alliance
460 West 34th Street, Ste. 1701
New York, NY 10001
646.868.4715 (direct)
+ **REDACTED** (mobile - international - Roaming)

212.380.4465 (fax)

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 promote conservation and prevent pandemics.

From: Corina Grigorescu Monagin <cgmonagin@ucdavis.edu>
To: 'William B. Karesh, D.V.M.' <Karesh@ecohealthalliance.org>
CC: Tracey Goldstein <tgoldstein@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>
Sent: 9/28/2019 10:02:54 AM
Subject: [predict] RoC Sample Disposition

Hi Billy,

Hope you're well! I wanted to follow up regarding the sample disposition plan for RoC. The plan you sent has the samples moving from INRB to LNSP once the power situation stabilized. Any updates?

Thanks
Corina

Corina Monagin, MPH, DrPH
Project Scientist, PREDICT Project of USAID
One Health Institute
School of Veterinary Medicine
University of California Davis
1089 Veterinary Medicine Drive
Davis, CA 95616, USA

Mobile: +1.415.741.6996

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>; Andrew Clements
<aclements@usaid.gov>
CC: predictmgt@usaid.gov <predictmgt@usaid.gov>; Jonna Mazet
<jkmazet@ucdavis.edu>; David John Wolking <djwolking@ucdavis.edu>; predict Sympa List
<predict@ucdavis.edu>; Kevin N Gonzalez <kngonzalez@ucdavis.edu>; Hannah R Chale
<hrchale@UCDAVIS.EDU>
Sent: 10/14/2019 10:29:32 AM
Subject: RE: PREDICT Year 5 Equipment Purchase Request #8

Hi again. Can we consider this updated request approved? Thanks!

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

From: predict-request@ucdavis.edu **On Behalf Of** Elizabeth Leasure
Sent: Wednesday, October 9, 2019 11:51 AM
To: Andrew Clements
Cc: predictmgt@usaid.gov; Jonna Mazet ; David John Wolking ; predict Sympa List ; Kevin N Gonzalez ;
Hannah R Chale
Subject: [predict] RE: PREDICT Year 5 Equipment Purchase Request #8

Hi Andrew. Please find attached an updated equipment approval request for freezers for Sierra Leone sample storage. Unfortunately, the cost of cryoracks were mistakenly left off of the quotes provided previously, and the cost of these items must be included in the acquisition cost calculation, as they are required to make the freezers fully-functional for the project's needs. The selected vendor is unchanged, but the quotes have been updated to include the rack costs. If you have any questions, please let me know.

Thanks!
Liz

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

From: Andrew Clements <aclements@usaid.gov>
Sent: Monday, September 16, 2019 7:15 PM
To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Cc: predictmgt@usaid.gov; Jonna Mazet <jkmazet@ucdavis.edu>; David John Wolking
<djwolking@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>; Kevin N Gonzalez
<kngonzalez@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>
Subject: Re: PREDICT Year 5 Equipment Purchase Request #8

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 15, 2019, at 2:38 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. Please find attached a request for authorization to purchase two ultra-low freezers for the University of Makeni to store samples collected. Please let me know if you have any questions or require any additional information to proceed.

Thanks!
Liz

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

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Andrew Clements <aclements@usaid.gov>
CC: predictmgt@usaid.gov <predictmgt@usaid.gov>; Jonna Mazet <jkmazet@ucdavis.edu>; David John Wolking <djwolking@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>; Kevin N Gonzalez <kngonzalez@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>
Sent: 10/14/2019 12:29:58 PM
Subject: Re: PREDICT Year 5 Equipment Purchase Request #8

Thanks!

Elizabeth Leasure
Financial Operations Manager
One Health Institute
University of California, Davis
Cell: 530-304-1403

From: Andrew Clements
Sent: Monday, October 14, 2019 12:25:52 PM
To: Elizabeth Leasure
Cc: predictmgt@usaid.gov ; Jonna Mazet ; David John Wolking ; predict Sympa List ; Kevin N Gonzalez ; Hannah R Chale
Subject: Re: PREDICT Year 5 Equipment Purchase Request #8

Sorry, meant to say "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 10, 2019, at 11:45 AM, Andrew Clements <aclements@usaid.gov> wrote:

Thanks, Liz.

*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 9, 2019, at 8:50 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. Please find attached an updated equipment approval request for freezers for Sierra Leone sample storage. Unfortunately, the cost of cryoracks were mistakenly left off of the quotes provided previously, and the cost of these items must be included in the acquisition cost calculation, as they are required to make the freezers fully-functional for the project's needs. The selected vendor is unchanged, but the quotes have been updated to include the rack costs. If you have any questions, please let me know.

Thanks!
Liz

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

From: Andrew Clements <aclements@usaid.gov>
Sent: Monday, September 16, 2019 7:15 PM
To: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Cc: predictmgt@usaid.gov; Jonna Mazet <jkmazet@ucdavis.edu>; David John Wolking <djwolking@ucdavis.edu>; predict Sympa List <predict@ucdavis.edu>; Kevin N Gonzalez <kngonzalez@ucdavis.edu>; Hannah R Chale <hrchale@UCDAVIS.EDU>
Subject: Re: PREDICT Year 5 Equipment Purchase Request #8

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 15, 2019, at 2:38 PM, Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. Please find attached a request for authorization to purchase two ultra-low freezers for the University of Makeni to store samples collected. Please let me know if you have any questions or require any additional information to proceed.

Thanks!
Liz

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

From: Terra Kelly <trkelly@ucdavis.edu>
To: Oladele Ogunseitan <oladele.ogunseitan@uci.edu>; alexandra zuber <alexandrazuber@atahealthstrategies.com>; Judy Khanyola <jkhanyola@icapkenya.org>; McNeil, Carrie S. <csmcnei@sandia.gov>; Jutta Lehmer <JLehmer@salud.unm.edu>; Jon Epstein <epstein@ecohealthalliance.org>; Omar Romero-hernandez <oromero@haas.berkeley.edu>; Federico Castillo <f.castillo@berkeley.edu>; Ndola PRATA <ndola@berkeley.edu>; David John Wolking <djwolking@ucdavis.edu>; Rabkin, Miriam <mr84@cumc.columbia.edu>; Jaber Amine Belkhiria <jabelkhiria@ucdavis.edu>; Corina Grigorescu Monagin <cgmonagin@ucdavis.edu>; Kirsten Gilardi <kgilardi@ucdavis.edu>; Brian H Bird <bhbird@ucdavis.edu>
CC: Woutrina Miller <wasmith@ucdavis.edu>; Jonna K. Mazet <jkmazet@ucdavis.edu>
Sent: 11/5/2019 11:32:21 AM
Subject: Update on OHW-NG: AfrHOUN (OHCEA) Working Group Meetings

Dear Colleagues,

I just wanted to reach out with a quick update regarding the meetings for our working group. Over the past few weeks, members of our Management Team have been meeting weekly with Professor William Bazeyo and Dr. Irene Naigaga at the OHCEA Regional Secretariat Office and folks from USAID to work together on items related to development of our work plan. Once we get a bit further along in the process, I will reach out to all of you with a plan to get our AfrHOUN Working Group meetings up and going.

Thank you!
Terra

From: Jose Nunez Grullon <jnunezgrullon@usaid.gov>
Sent: Thu, 7 Nov 2019 16:16:53 -0500
Subject: Re: Request for PREDICT-2 Key Personnel change
To: Elizabeth Leasure <ealeasure@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>, ckjohnson@ucdavis.edu
Cc: Patricia Bradley <pbradley@usaid.gov>, PREDICTMGT <predictmgt@usaid.gov>, Andrew Clements <aclements@usaid.gov>
[20191107 Key Personnel Approval \(Johnson\).pdf](#)

Dear Ms. Leasure,

Please find attached approval letter for key personnel change in to subject award. The deletion of key position will be done via modification to the award.

Sincerely,

JOSE L. NUNEZ
Acquisition and Assistance Specialist, M/OAA/GH
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
SA-44; Rm 469-G
1300 Pennsylvania Ave., NW
Washington, DC, 20523-7900
T 202 567-4123
(Contractor-Jefferson Solutions, LLC)

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
Date: October 28, 2019 at 9:25:06 PM GMT+1
To: Jonna Mazet <jkmazet@ucdavis.edu>, Andrew Clements <aclements@usaid.gov>
Cc: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>, David John Wolking <djwolking@ucdavis.edu>, PREDICTMGT <predictmgt@usaid.gov>
Subject: Request for PREDICT-2 Key Personnel change

Hi Andrew. To reduce effort and enable cost savings during the PREDICT no cost extension period, we propose to eliminate the position of Biological and Ecological Surveillance Coordinator. Because surveillance activities have been completed, this key personnel position is no longer needed, similar to our removal of the Senior Behavioral Surveillance Coordinator position. Christine K Johnson, who served as Biological and Ecological Surveillance Coordinator will take the place of Jonna Mazet as Project Director. None of the other PREDICT key personnel positions will change.

Thank you,

Liz

Elizabeth Leasure

Financial Operations Manager

One Health Institute

REDACTED (cell)

530-754-9034 (office)

Skype: ealeasure



USAID
FROM THE AMERICAN PEOPLE

November 7, 2019

Elizabeth Leasure
Financial Operations Manager
One Health Institute
Davis, California 95616-8686

Subject: Cooperative Agreement No. AID-OAA-A-14-00102, PREDICT II.
Request for approval to Key Personnel – Project Director - Christine K
Johnson

References: E-mail dated October 28, 2019 - Request for PREDICT-2 Key Personnel
change

Dear Ms. Leasure:

Per the subject Cooperative Agreement Section A.10, SUBSTANTIAL INVOLVEMENT and University of California, Davis Campus (UCD) request for a key personnel change within the Project Director labor category, Agreement Officer's approval is hereby granted. After receiving concurrence from the Agreement Officer's Representative, Andrew Clements, and after the review of the request, Agreement Officer's approval is hereby granted as follows:

- Project Director - Ms. Christine K Johnson (replacing Ms. Jonna Mazet)

This approval is granted with the understanding that (i) there are sufficient funds available in the budget (ii) there will be no increase to the total direct costs and subsequently there will be no increase to the total estimated amount of the agreement, (iii) additional funds will not be required, and (iv) UCD will adhere to its HR policies and procedures regarding compensation. All other terms and conditions of the agreement remain unchanged and in full effect.

If you should have any further questions or concerns, please contact me at pbradley@usaid.gov or on (202) 567-5302.

Sincerely,

Patricia Bradley
Patricia Bradley
Agreement Officer

cc: Andrew Clements, AOR

From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Andrew Clements <aclements@usaid.gov>; Jonna Mazet <jkmazet@ucdavis.edu>; Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>; David John Wolking <djwolking@ucdavis.edu>
CC: PREDICTMGT <predictmgt@usaid.gov>
Sent: 12/16/2019 8:46:13 AM
Subject: RE: small shift for new funding

Hi Andrew. See attached. I just distributed the \$100K across the other Asia countries.

Thanks,
Liz

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

From: Andrew Clements
Sent: Monday, December 16, 2019 6:46 AM
To: Jonna Mazet ; Christine Kreuder Johnson ; David John Wolking ; Elizabeth Leasure
Cc: PREDICTMGT
Subject: small shift for new funding

total unchanged, but we have to take Cambodia off the list of countries since it's special notification and apparently no one bothered to do the notification ahead of time.

where would you like to put the \$100,000? into Bangladesh or some place else?

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>

Produced in Native Format

From: Andrew Clements <aclements@usaid.gov>
Sent: Wed, 18 Dec 2019 18:13:50 +0100
Subject: Re: small shift for new funding
To: Christine Kreuder Johnson <ckjohnson@ucdavis.edu>
Cc: David John Wolking <djwolking@ucdavis.edu>, PREDICTMGT <predictmgt@usaid.gov>, Elizabeth Leasure <ealeasure@ucdavis.edu>, Jonna Mazet <jkmazet@ucdavis.edu>

not a done deal yet so don't get too excited.

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, Dec 18, 2019 at 6:13 PM Christine Kreuder Johnson <ckjohnson@ucdavis.edu> wrote:

Excellent news this am, thanks Andrew

/ckj

From: Andrew Clements <aclements@usaid.gov>
Date: Wednesday, December 18, 2019 at 9:08 AM
To: David John Wolking <djwolking@ucdavis.edu>
Cc: PREDICTMGT <predictmgt@usaid.gov>, Elizabeth Leasure <ealeasure@UCDAVIS.EDU>, Jonna Mazet <jkmazet@ucdavis.edu>, Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>
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On Tue, Dec 17, 2019 at 8:08 PM Andrew Clements <aclements@usaid.gov> wrote:

Thanks, David.

I am using your language about the delay to try to push it faster so thanks for providing that!

Andrew P. Clements, Ph.D.

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On Dec 17, 2019, at 7:40 PM, David J Wolking <djwolking@ucdavis.edu> wrote:

Hi Andrew and team,

The two mod approach sounds like a solid and practical plan as the additional funds are the priority and moving them without a potential hold-up over reporting language or questions on the key personnel change makes perfect sense.

For your awareness, we are now at a critical point before the new year with Consortium partners unable to pay staff salaries directly affecting our ability to continue work on planned deliverables and products. Without receiving the remaining funds this week, we will be unable to interpret the final virus findings or continue work on the final report. Receiving funds after the holidays and new year would push back our entire workflow, directly impacting our timelines and our ability to retain personnel critical to completing these products.

Happy to discuss if you have any questions and thanks for all you and the team are doing to expedite this process,

David

On Tue, Dec 17, 2019 at 9:01 AM Andrew Clements <aclements@usaid.gov> wrote:

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On Tue, Dec 17, 2019 at 5:55 PM David J Wolking <djwolking@ucdavis.edu> wrote:

Hi Andrew,

Any updates on the status and timing for this mod? Christmas coming early?

Thanks so much,

David

On Mon, Dec 16, 2019 at 8:46 AM Elizabeth Leasure <ealeasure@ucdavis.edu> wrote:

Hi Andrew. See attached. I just distributed the \$100K across the other Asia countries.

Thanks,

Liz

Elizabeth Leasure

Financial Operations Manager

One Health Institute

530-304-1403 (cell)

From: Andrew Clements <aclements@usaid.gov>

Sent: Monday, December 16, 2019 6:46 AM

To: Jonna Mazet <jkmazet@ucdavis.edu>; Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>; David John Wolking <djwolking@ucdavis.edu>; Elizabeth Leasure <ealeasure@UCDAVIS.EDU>

Cc: PREDICTMGT <predictmgt@usaid.gov>

Subject: small shift for new funding

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where would you like to put the \$100,000? into Bangladesh or some place else?

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From: Elizabeth Leasure <ealeasure@UCDAVIS.EDU>
To: Andrew Clements <aclements@usaid.gov>, Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>
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Subject: RE: small shift for new funding
Sent: Wed, 18 Dec 2019 18:18:43 +0000

Thanks for the update, Andrew. I'm glad to hear it!

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

From: Andrew Clements <aclements@usaid.gov>
Sent: Wednesday, December 18, 2019 10:18 AM
To: Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>
Cc: David John Wolking <djwolking@ucdavis.edu>; PREDICTMGT <predictmgt@usaid.gov>; Elizabeth Leasure <ealeasure@UCDAVIS.EDU>; Jonna Mazet <jkmazet@ucdavis.edu>
Subject: Re: small shift for new funding

Action now officially with OAA. I would guess they might be able to finish it today, but no later than tomorrow.

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UCDUSR0007795

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