

**From:** "Andrew Clements" <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Sent:** 03/16/2017 12:24:39 PM (-07:00)  
**To:** "Jonna Mazet" <[jkamazet@ucdavis.edu](mailto:jkamazet@ucdavis.edu)>  
**Subject:** Re: SL results-- status check

Thanks. By that logic, they should wait years to report results! :)

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

On Mar 16, 2017, at 6:32 PM, Jonna Mazet <[jkamazet@ucdavis.edu](mailto:jkamazet@ucdavis.edu)> wrote:

We're continuing on with the characterization of the virus, as well as the press packet and publication. So, as long as the rumor mill doesn't get going, the slow-play is good for having an organized response and comms plan.

Thanks for the update, even if it's that we don't know,  
Jonna

On Thu, Mar 16, 2017 at 8:58 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:  
Thanks. Hopefully, this will not drag on until everyone forgets about it.

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

On Mar 16, 2017, at 4:37 PM, Kendra Chittenden <[kchittenden@usaid.gov](mailto:kchittenden@usaid.gov)> wrote:

I talked to Dorothy yesterday who had checked in with Khadijat earlier in the day and there were no updates. I wrote to Khadijat & Saad this morning to request an update as to whether they have received any information about Ministers meeting with the President or the Ambassador meeting with the Ministers as he requested.

On Thu, Mar 16, 2017 at 9:16 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

The 15th has come and gone. Any update on the status of the President being briefed on the recent Predict findings?

*Andrew P. Clements, Ph.D.*  
*Senior Scientific Adviser*  
*Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health*  
*U.S. Agency for International Development*

Mobile phone: [1-571-345-4253](tel:1-571-345-4253)

Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)

On Mar 13, 2017, at 12:50 PM, Kendra Chittenden <[kchittenden@usaid.gov](mailto:kchittenden@usaid.gov)> wrote:

One update, Saad did talk to Ambassador Hoover who in turn reached out to the Minister of MOHS to schedule a meeting but has not yet heard back from the Minister.

Sent from my iPhone

On Mar 13, 2017, at 7:44 AM, Kendra Chittenden <[kchittenden@usaid.gov](mailto:kchittenden@usaid.gov)> wrote:

I talked to Saad. Aiah updated him and said it would be OK for USAID to ask the Ambassador to brief the President. Saad explained that the Ambassadors' first step would be to meet with the Ministers of MOHS and MAFF.

Saad will talk to the Ambassador this morning, then try to set up meetings with the Ministers soon and jointly if possible.

Saad will update once he talks to the Ambassador.

Sent from my iPhone

On Mar 12, 2017, at 3:03 PM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

I think the consensus so far has been that the mission and Embassy will wait until MOHS briefs the President. So I don't think anything else needs to be done at this point.

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

On Mar 12, 2017, at 7:11 PM, Jonna Mazet

<[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

FYI -- not sure whether or  
not to just let things develop.  
J

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

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From: **Aiah Gbakima**  
<**REDACTED**>  
Date: Sunday, March 12, 2017  
Subject: Re: one last follow up  
for the weekend...  
To: Karen Saylor  
<[ksaylor@metabiota.com](mailto:ksaylor@metabiota.com)>,  
Tracey Goldstein  
<[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)>,  
Frantz Jean Louis  
<[fjeanlouis@metabiota.com](mailto:fjeanlouis@metabiota.com)>,  
Jonna Mazet  
<[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Eddy  
Rubin  
<[erubin@metabiota.com](mailto:erubin@metabiota.com)>  
Cc: Anna Gibson  
<[agibson@metabiota.com](mailto:agibson@metabiota.com)>

Hi Karen,

MOHS (Minister, CMO and  
Dr. Jambai) know but the  
Minister has not been able to  
brief the President as yet due  
to scheduling issues at State  
House. He told me that  
himself on the phone,  
however, he said that  
USAID can be informed.

Saad takes over from here  
and he was doing everything  
to get the Ambassador  
inform the President at his  
earliest possible time.  
Essentially, this is out of my  
hands and it will now be  
managed by USAID  
Mission in Country. So far,

things have been kept as we want it to be and we hope that the Ambassador will be able to meet the President this weekend or on Monday, the latest. I will keep monitoring with Saad and he promised to update me as well.

We will traveling to Kono this morning for a One Health Stakeholders meeting in Koidu City on Monday and return very early Tuesday morning for our Country Review on Tuesday afternoon, our time here.

Anna has done a great job with samples in Kenema and now she is in Freetown and planning to fly out today. We are very fortunate to have her here as well as the last time, when she was able to help us ship the samples out with Frantz as well.

Best regards,

Aiah

On Sat, Mar 11, 2017 at 5:43 PM, Karen Saylor  
<[ksaylor@metabiota.com](mailto:ksaylor@metabiota.com)>  
wrote:

Hi Aiah.

I got info from Anna this morning saying that MOH is aware of the findings but I believe they have not yet briefed the President, is that true?

She also said that you believe that the USAID Sierra Leone has already been briefed on findings by USAID Washington, so that now it is on Saad and the Embassy to make contact with

the SL President, so that effectively it is out of your hands at this point, is that correct? Finally, have you continued to correspond with Tracey about these latest details or shall I do so?

Thanks again for all of this. You must be exhausted!  
Best wishes,  
Karen

--

**Aiah A. Gbakima**, MSPH,  
Ph.D., GCOR  
Country Director, Metabiota

**REDACTED**

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You received this message because you are subscribed to the Google Groups "PREDICTMGT" group.  
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To view this discussion on the web visit <https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAO5tDrGfCXXApBOU4nUYD0hy4n0xt9%2BA3vgTZEKRh3a%3D%2Bm6zhQ%40mail.gmail.com>.

--

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[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/969528332532863213%40unknownmsgid>.

--

**Kendra Chittenden, Ph.D. | Senior Infectious Disease Advisor | USAID | mobile [REDACTED]**  
[|KChittenden@usaid.gov](mailto:KChittenden@usaid.gov)

**From:** "Andrew Clements" <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Sent:** 09/11/2017 1:41:18 PM (-07:00)  
**To:** "Jonna Mazet" <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>  
**Cc:** "predict@ucdavis.edu" <[predict@ucdavis.edu](mailto:predict@ucdavis.edu)>  
**Subject:** Re: Per our 2.3 conversation

Good news! These numbers have been approved. Let's go over them again tomorrow to make sure we're all on the same page.

Let's also discuss the 6 month notice procedure for when funds are projected to run out in a country.

See you tomorrow.

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

On Sep 8, 2017, at 5:34 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Here you go:

Guinea: \$1.2M  
Liberia:\$1M  
Sierra Leone: \$1.8M

Travel well,  
Jonna

On Thu, Sep 7, 2017 at 8:00 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:  
Apologies for the incompetent people I work with, but they are now asking that you break out the \$4 million for EHP by country.

*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](tel:1-571-345-4253)*  
*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On Sep 6, 2017, at 3:50 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Agreed -- thanks, Andrew,  
Jonna

On Tue, Sep 5, 2017 at 11:08 PM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
wrote:  
Thanks.

Agree that flexibility is good, but at this point, we need to get levels approved so there is less uncertainty for 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](tel:1-571-345-4253)*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On Sep 6, 2017, at 3:55 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Hi Andrew,

Based on funds already encumbered to countries in the current year, we would distribute the \$2.3M this way:

Guinea: \$600K (already expended and now spending into the \$4M EHP supplement)

Liberia: \$700K (some funds still remaining)

Sierra Leone: \$1M (already expended and now spending into the \$4M EHP supplement)

Of course, we still believe that flexibility is key in these complex budgeting times, and therefore we would prefer to keep the funds grouped into the three countries to try to make the project work with the funds remaining, but since we have already expended/encumbered most of these funds (all but Liberia expended), it probably isn't that critical for the splitting of the \$2.3M.

Have a good day,

Jonna



**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 09/21/2017 8:38:08 AM (-07:00)  
**To:** "Eddy Rubin" <[REDACTED]>  
**Cc:** "Dennis Carroll" <dcarroll@usaid.gov>; "Peter Daszak" <daszak@ecohealthalliance.org>  
**Subject:** Re: Working with our Northern GVP brethren

Hmmmm... hard to determine who's the brains in the bunch ;)

J

On Wed, Sep 20, 2017 at 10:13 AM, Eddy Rubin <[REDACTED]> wrote:  
Successful meeting

**From:** predict-request@ucdavis.edu on behalf of "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 10/27/2017 3:58:45 AM (-07:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Alisa Pereira Emerging Threats Division" <apereira@usaid.gov>; "Shana Gillette" <sgillette@usaid.gov>; "PREDICTMGT" <predictmgt@usaid.gov>; "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** Re: [predict] Response to feedback on PREDICT Y4 VN Work Plan

Thanks, David.

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

On Oct 25, 2017, at 5:27 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi Andrew,

Just sharing the correspondence between our Viet Nam team and the Mission. I'll forward any replies as well.

Best,

David

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

**From:** Amanda Fine <[REDACTED]>  
**Date:** Wed, Oct 25, 2017 at 3:08 AM  
**Subject:** [predict] Response to feedback on PREDICT Y4 VN Work Plan  
**To:** Oanh Kim Thuy <[okim@usaid.gov](mailto:okim@usaid.gov)>, Michael O'Leary <[moleary@usaid.gov](mailto:moleary@usaid.gov)>  
**Cc:** "[predict@ucdavis.edu](mailto:predict@ucdavis.edu)" <[PREDICT@ucdavis.edu](mailto:PREDICT@ucdavis.edu)>, Nguyen Nga <[mnga@wcs.org](mailto:mnga@wcs.org)>, Long Nguyen <[REDACTED]>, Thuy Hoang <[REDACTED]>, Sarah Olson <[REDACTED]>, "Churchill, Carolina" <[REDACTED]>

Dear Mike and Oanh,

David Wolking from UC Davis provided us with the feedback he received from the USAID Mission in Viet Nam on the Viet Nam section of our Year 4 PREDICT work plan. Thank you very much for reviewing the work plan and for your comments. I thought I would respond quickly with our plans for addressing the issues you raised and you can let us know if you would like any additional information.

As we reported at the last EPT quarterly meeting, the PREDICT work is now in full swing as the IRB for the human surveillance was fully approved and agreements with the RAHOs are in place to move forward on the wildlife sampling. We have also continued to coordinate with FAO and WHO

on the LISN activities and the Vietnam-specific components of PREDICT down to specific sampling sites and timelines for activities have become more clear. With samples coming in the laboratories are now busy as well.

I have provided specific responses to your comments below and indicated when additional information or material will be coming your way.

Thanks as always for your support and please let us know if you have any additional questions.

Kind Regards,

Amanda

FROM USAID:

Vietnam

This year WP looks better and more Vietnam-specific and relevant than we have had in the past. However, it would be good for us if there were more specifics on what actually is planned, as the activity descriptions are broad. Also, given no information on the budget, it would help much to have more details.

We are happy you appreciate the details and Vietnam-specific information we were able to provide in this year's work plan. We are finalizing a week by week PREDICT surveillance calendar now. We have a meeting in HCMC at RAHO6 with WHO and FAO on Friday, October 27th, and expect to confirm the few outstanding dates that need to be finalized in coordination with FAO/DAH so that we can conduct the surveillance in humans, wildlife and livestock concurrently. The surveillance calendar also includes dates for our additional behavioral surveillance efforts and project meetings and training planned in Year 4. Tentative timelines for sample testing are also included through we expect sample testing to now be on-going with reports of test results available every 3-6 months. We will provide you with a copy of our detailed surveillance activity calendar by **November 10, 2017**.

In addition, it would be helpful if PREDICT can list achievements over the past years (at least from the beginning of the EPT2) and has some justifications on the activities that they proposed during the Year 4 so that we can understand why PREDICT proposes activities, the needs of continuity of the activities and how the GVN will use the results of the project, etc.

During the recent EPT-2 evaluation we prepared and provided you with an annotated power point presentation on PREDICT achievements since the beginning of EPT2 to supplement PREDICT annual and semi-annual reports. We have also started to put more detail about achievements into our quarterly updates to USAID VN and partners in Viet Nam. Attached is the draft of the report that will come out before the end of October on the period July 1 through September 30, 2017. We are currently working on finalizing the draft and finishing the Vietnamese translation. As we move into year 4 we are focusing our activities around 2 main PREDICT sites (Dong Nai wildlife farm interface and Ha Noi wildlife trade interface) and the collaborative work with FAO and WHO at the LISN sites in Dong Thap and Quang Ninh. At the upcoming LISN meeting we will be discussing specifically how the data collected can inform national disease risk assessments. We will continue to work with GVN on incorporating the PREDICT results from VN and the regional and global analyses into their own national disease control planning and preparedness.

One small correction in the narrative WP: RAHO 7 is located in Can Tho, not in Dong Thap.

Thank you for picking up that mistake. We will be more careful in future. We know that the physical location of the RAHO7 laboratory is Can Tho. Dong Thap is, however, in the catchment area for RAHO7 and therefore sample collection in Dong Thap will be carried out with the support of RAHO7. We will make sure that is clear in future work plans.

--

Amanda E. Fine, VMD, PhD  
Wildlife Health Program Associate Director - Asia  
Wildlife Conservation Society (WCS)

**REDACTED**

<PREDICT\_VN\_Update\_Jul-Sept 2017.pdf>

**From:** predict-request@ucdavis.edu on behalf of "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 02/09/2018 4:37:15 PM (-08:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "predict@UCDAVIS.EDU" <predict@ucdavis.edu>; "Patrick Dawson" <dawson@ecohealthalliance.org>; "Evelyn Luciano" <luciano@ecohealthalliance.org>; "Ava Sullivan" <sullivan@ecohealthalliance.org>  
**Subject:** Re: [predict] Fwd: VIP visit Jordan



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)  
[+1.212.380.4465](#) (fax)  
[www.ecohealthalliance.org](http://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 Feb 9, 2018, at 6:06 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Great get some pictures!

On Thu, Feb 8, 2018 at 3:50 PM, William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:  
FYI, from out Jordan Country Coordinator.

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](tel:+12123804463) (direct)  
[+1.212.380.4465](tel:+12123804465) (fax)  
[www.ecohealthalliance.org](http://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:** Ehab Abu-Basha <[REDACTED]>  
**Date:** February 8, 2018 at 5:47:53 PM EST  
**To:** Patrick Dawson <[dawson@ecohealthalliance.org](mailto:dawson@ecohealthalliance.org)>, Ava Sullivan <[sullivan@ecohealthalliance.org](mailto:sullivan@ecohealthalliance.org)>, Molly Turner <[turner@ecohealthalliance.org](mailto:turner@ecohealthalliance.org)>, "William B. Karesh" <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)>  
**Subject:** VIP visit

Hi All.

I just wanted to let you know that we will have a VIP visit from the USAID new mission Director to PREDICT team and we will have a site trip to Ajloun site. We did a "dry run" visit to the site today with Myasa and her new deputy director and another staff member from USAID to prepare for the mission Director visit next coming Sunday. This is an important visit since the mission director is interested to see and learn more about PREDICT project.

We prepared everything and logistics for this visit and I will let you know the outcomes.

Yours,

Ehab

Ehab Abu-Basha, DVM, MSc., Ph.D  
Faculty of Veterinary Medicine

**REDACTED**

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 06/18/2019 6:17:23 PM (-07:00)  
**To:** "Elizabeth Leasure" <ealeasure@ucdavis.edu>  
**Cc:** "predict Sympa List" <predict@ucdavis.edu>; "David John Wolking" <djwolking@ucdavis.edu>  
**Subject:** Re: FW: Authorization Letter

I think SPO at this point, don'y you?

You can say in your transmission email to them that we received a letter in February advising us that funds were delayed and to slow spending, which we did. If they ask for that letter in follow-up, go ahead and send.

Thanks,

J

On Mon, Jun 17, 2019 at 11:30 AM Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)> wrote:

Hi Jonna. The pre-authorization letter is attached. Okay to add your signature and return, or should this go to SPO to be signed? Note that the letter references the previous letter from February, so SPO may ask about that letter. I've reattached the February letter for your reference. Let me know how you want to proceed.

Thanks!

Liz

*Elizabeth Leasure*

*Financial Operations Manager*

*One Health Institute*

**REDACTED** (cell)

*530-754-9034 (office)*

*Skype: ealeasure*

**From:** Patricia Bradley <[pbradley@usaid.gov](mailto:pbradley@usaid.gov)>  
**Sent:** Monday, June 17, 2019 6:10 AM  
**To:** Elizabeth Leasure <[ealeasure@UCDAVIS.EDU](mailto:ealeasure@UCDAVIS.EDU)>  
**Cc:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>; Jose Nunez Grullon <[jnunezgrullon@usaid.gov](mailto:jnunezgrullon@usaid.gov)>; Pereira, Alisa (GH/HIDN) <[apereira@usaid.gov](mailto:apereira@usaid.gov)>  
**Subject:** Authorization Letter

Dear Ms. Leasure,

Per our conversation last week, please find attached a pre-authorization letter, with electronic signature, allowing UC Davis to continue activities while we await funding to become available. As discussed over the phone, we expect funds to become available, however, in the unlikely event that the funds are not made available, USAID is not liable for any expenses incurred during this time.

Best regards,

--

**Patricia E. Bradley**  
*Contracting/Agreement Officer*  
*USAID Office of Acquisition & Assistance*  
*M/OAA/GH, Rm. 568-E, SA-44*  
*1300 Pennsylvania Ave., NW*  
*Washington, D.C. 20523*  
*Phone: 202-567-5302*

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**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 09/06/2019 11:46:10 AM (-07:00)  
**To:** "Kevin Olival" <olival@ecohealthalliance.org>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "David J Wolking" <djwolking@ucdavis.edu>; "PREDICTMGT" <predictmgt@usaid.gov>; "Alice Latinne" <latinne@ecohealthalliance.org>; "Evelyn Luciano" <luciano@ecohealthalliance.org>  
**Subject:** Re: "NextGen" or not "NextGen"?

Thanks, Kevin.

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

On Sep 6, 2019, at 8:19 PM, Kevin Olival <[olival@ecohealthalliance.org](mailto:olival@ecohealthalliance.org)> wrote:

Dear Andrew,

Sorry for the delay. We are on track to complete most activities in Indonesia by Sept 30, 2019, this includes all planned field work, testing, and initial community engagement meetings. Our teams at Bogor and Eijkman are currently also completing some additional training for government staff this month.

Completing analysis of data and developing risk recommendations for Indonesia is something that may need to continue post-Sept 30. In particular, we are working with FAO and colleagues from the MoA on “triangulated surveillance” analyses that bring together the wildlife and human data *together with* the domestic animal data. These discussions and analysis plans are ongoing and moving forward, but will depend on data sharing agreements. Related, final reporting and dissemination of results and recommendations to government could be delayed post-Sept.

Hope that helps.

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 Sep 4, 2019, at 5:45 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Thanks, Kevin.

Is Indonesia on track to have everything completed by 9/30/19?

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

On Sep 4, 2019, at 5:15 AM, Kevin Olival <[olival@ecohealthalliance.org](mailto:olival@ecohealthalliance.org)> wrote:

Thanks Andrew.

Just catching up on emails post-vacation. We've already provided a draft agenda for the Bali meeting to our Indonesia P2 team and are working on the most appropriate GOI invitees. Also, I'll be in Jakarta for Sept 12-13 for any meetings planned. There won't be a P2 Indonesia "close out" on Sept 12, but right now we're planning a meeting with Ministry of Environment and Forestry for Sept 13 that Alice L. and I will attend from P2 global.

Thanks for looping me in.

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 29, 2019, at 6:42 AM, Andrew Clements  
<[AClements@usaid.gov](mailto: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](mailto:aclements@usaid.gov)*

Begin forwarded message:

**From:** Andrew Clements  
<[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Date:** August 29, 2019 at 12:38:54 PM GMT+2  
**To:** Timothy Meinke <[tmeinke@usaid.gov](mailto:tmeinke@usaid.gov)>  
**Cc:** Amalhin Shek <[ashek@usaid.gov](mailto:ashek@usaid.gov)>, Cara  
Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>, Lisa Kramer  
<[lkramer@usaid.gov](mailto:lkramer@usaid.gov)>, Ricardo Echalar  
<[rechalar@usaid.gov](mailto:rechalar@usaid.gov)>, Ron Waldman  
<[ronwaldman@email.gwu.edu](mailto:ronwaldman@email.gwu.edu)>  
**Subject: Re: "NextGen" or not "NextGen"?**

Hi Tim,

I accidentally neglected to answer your questions about the extension/close out.

There will be no additional PREDICT activities beyond what was in the year 5 work plan. However, because of the delay in USAID providing the year 5 funding in a timely manner, PREDICT has been granted a six month extension to complete year 5 activities. As a result, the close out discussions/activities may go past 9/30/19 if needed. PREDICT is working with all countries on close out plans. I don't have the details on the schedule for Indonesia, but Kevin and Joko should be able to provide information on the timing.

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](mailto:aclements@usaid.gov)*

On Aug 28, 2019, at 5:54 PM, Andrew Clements  
<[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Hi Tim,

I talked with Jonna and David last night  
about your questions.

PREDICT is not planning on a press release  
or inviting media because it is a working  
meeting for a global project so not exactly  
newsworthy in Indonesia. However, they  
are planning to do some social media--  
Amalhin and David will be working on this.

Regarding GOI participation, PREDICT  
requested that you provide the names of the  
most appropriate people to attend.

Likewise, if there is a person (from Embassy  
or USAID in Indonesia) who would want to  
give an introductory statement/welcome,  
please let me know the name and position so  
PREDICT can build that into the agenda. I  
plan on providing a video  
message/introduction as AOR. Would be  
good to have someone provide a welcome to  
Indonesia message and say how PREDICT  
has benefited the country.

I will send you an example of the close-out  
reports in the next day or two.

Apparently, FAO has not yet received  
permission to release findings from  
livestock surveillance so that means  
PREDICT can't talk about triangulated  
surveillance without putting the GOI on the  
spot.

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](mailto:aclements@usaid.gov)

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

On Wed, Aug 28, 2019 at 4:55 PM  
Timothy Meinke  
<[tmeinke@usaid.gov](mailto:tmeinke@usaid.gov)> wrote:

Hi Amalhin -

We spoke with the PREDICT team today and they have not received an agenda or objectives for the Bali meetings and also have no idea on any comms or media engagement plans. They mentioned someone (David?) who does comms and they'll reach out to Kevin O but maybe you have an idea? As noted before. Post would be happy to help amplify any messages and we will have a PREDICT Indonesia closeout on Sept 12 and are still exploring a possible PREDICT Indonesia science/media event on Sept 13.

We also agreed that it would be inappropriate to NOT invite someone from the GOI to join, at least for part of the meeting. We think a director from the Ministry of Env and Forestry who oversees wildlife would be our recommendation. Can that idea be conveyed to the organizers?

Lastly, as we in the field have no idea if a PREDICT funded or no-cost extension will occur, we need to do due diligence and prepare for a closeout, which entails a fair amount of local paperwork, handover of data, samples and materials, determination of who will do the unfinished PREDICT analysis, and transfer of knowledge (particularly those primer and positive control samples and guidelines), etc. Are these and other details being addressed already by PREDICT or someone from ETD?

I'm looping in those I know are planning to join the Bali meetings (and Andrew, who we'll miss!) for our collective brainstorming. Terima kasih!

- Tim

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 05/20/2020 3:38:40 PM (-07:00)  
**To:** "Dennis Carroll" <[REDACTED]>  
**Cc:** "Eddy Rubin" <[REDACTED]>; "Peter Daszak" <daszak@ecohealthalliance.org>  
**Subject:** Re: David Cameron G20 paper update

Fabulous!!!  
Jonna

On Wed, May 20, 2020 at 2:31 PM Dennis Carroll <[REDACTED]> wrote:

All the edits suggested were accepted - thanks. He has shared the earlier draft with Dame Sally Davies, Sir John Bell and Sir Paul Collier who have given their endorsement. After revisions will share with the G20 sherpas. In parallel he will generate an OpEd.

d  
--

Dr Dennis Carroll  
President, Global Virome Project  
Senior Fellow, Scowcroft Institute of International Affairs at the Bush School of Government and Public Service, Texas A&M University  
Counselor and Advisor to the Faculty of Tropical Medicine at Mahidol University, Bangkok, Thailand

mobile  
email: [REDACTED]

**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 01/09/2017 3:42:04 PM (-08:00)  
**To:** "Andrew Clements" <aclements@usaid.gov>  
**Cc:** "David Wolking" <djwolking@ucdavis.edu>; "Alisa Pereira" <apereira@usaid.gov>; "Cassandra Louis Duthil" <clouisduthil@usaid.gov>; "Chris Johnson" <ckjohnson@ucdavis.edu>; "Eddy Rubin" <erubin@metabiota.com>; "Elizabeth Leasure" <ealeasure@ucdavis.edu>; "Lindsay Parish" <lparish@usaid.gov>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Shana Gillette" <sgillette@usaid.gov>; "PREDICTMGT" <predictmgt@usaid.gov>; "Cara Chrisman" <cchrisman@usaid.gov>; "Ava Sullivan" <sullivan@ecohealthalliance.org>; "Alison Andre" <andre@ecohealthalliance.org>; "Amanda Fuchs" <fuchs@ecohealthalliance.org>; "Catherine Machalaba" <machalaba@ecohealthalliance.org>; "Evelyn Luciano" <luciano@ecohealthalliance.org>; "Molly Turner" <turner@ecohealthalliance.org>; "Taylor Elnicki" <telnicki@metabiota.com>  
**Subject:** Re: PREDICT Management Team Agenda - Monday January 9, 2017 @ 10AM PST

We wrote to Gwen to get a clearer understanding of what she meant by their shift in focus but have not received a response.

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](tel:+12123804463) (direct)  
[+1.212.380.4465](tel:+12123804465) (fax)  
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President, OIE Working Group on Wildlife

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

EPT 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 Jan 9, 2017, at 4:34 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Thanks, Billy. Safe travels.

Do you have anything to add on the status of discussions with FAO related to coordinated surveillance with Predict? Especially, now that FAO will be focusing more on country-identified endemic zoonotic diseases in the GHSA countries in Africa.

Andrew

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

On Jan 6, 2017, at 11:32 PM, William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:

Dear all,

I'll be winging my way to SFO at the time of the Monday call so I'll have to miss it.

A few short updates on partnerships:

- 1) GHSA event at State Dept well attended, nice farewell talks given by Sec. Kerry, NSA Susan Rice and Administrator Smith. Only 7% of the speakers (me) mentioned that over 60% of the diseases mentioned arise from animals and that failing to invest more upstream will only lead us back to the 20th Century and continue to overburden public health systems.
- 2) FAO coordination moving along as expected.
- 3) P-2 team visit to CDC last week went well - Jonna, Chris or Tracey can update the group.
- 4) P&R offering to help with One Health assessment work - will cover details at meeting in California
- 5) "One Health in Action" booklet done with P&R just back from the printers in English and French, copies will be brought to meeting in California
- 6) One Health Economics workshop with World Bank all set for January 30 - Feb 2, LaToya Armstrong will be participating as well as P&R, WHO and FAO.

BK

**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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On Jan 4, 2017, at 7:56 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi there,

Attached and below is the call-in information and agenda for PREDICT's Management Team call next Monday January 9, 2017 at 10AM PST/1PM EST.

I'll follow-up with the calendar reminder next.

Best,

David

**PREDICT Management Team Agenda**

**Monday, January 9, 2017**

**10:00am PST/1:00pm EST**

# [REDACTED]

**International Dial-in number: [REDACTED] (toll charges apply)**

**Standing items**

**USAID Updates**

**1. Administrative items**

- a. Annual report feedback
- b. CIPs for GHSA Phase 2 countries (DRC and Rwanda request)
- c. Senior behavioral surveillance coordinator update

- d. Metabiota travel situation and ITA for DRC
- e. Yellow fever plans and carry-over in DRC
- f. GHSA M&E

**2. Mission communication round-up**

- a. Indonesia
- b. Ethiopia
- c. Uganda
- d. CIV
- e. Sierra Leone
- f. Guinea
- g. Liberia

**3. Semi-annual Consortium meeting, January 10-11 in Pacifica, CA:**  
last call for agenda comments, feedback, or questions (agenda will be shared before the call)

**4. FAO collaboration/coordination updates (Billy)**

**5. Other coordination and engagement priorities (Billy)**

<PREDICT MT Agenda (1.9.17) Final.docx>

**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 01/12/2017 8:05:15 AM (-08:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Chris Johnson" <ckjohnson@ucdavis.edu>; "Emily Hagan" <hagan@ecohealthalliance.org>; "Alisa Pereira" <apereira@usaid.gov>; "Andrew Clements" <AClements@usaid.gov>; "sgillette@usaid.gov" <sgillette@usaid.gov>; "Patrick Dawson" <dawson@ecohealthalliance.org>  
**Subject:** FAO organizes an inter-regional training workshop "Analysis of camel value chains and human behaviors in view of MERS CoV surveillance"

Just FYI

<http://www.fao.org/neareast/news/view/en/c/461829/>

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](tel:+12123804463) (direct)  
[+1.212.380.4465](tel:+12123804465) (fax)  
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**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 02/20/2017 12:09:40 PM (-08:00)  
**To:** ghsdunitmaillistusaid@usaid.gov; "Lisa Kramer (Nairobi/EA/RHH)" <lkramer@usaid.gov>; rcintron@usaid.gov; zandre@usaid.gov; "Daniel Schar (RDMA/OPH)" <dSchar@usaid.gov>; "Sudarat Damrongwatanapokin (RDMA/OPH)" <sDamrongwatanapokin@usaid.gov>; "Timothy Meinke (HANOI/OH)" <tmeinke@usaid.gov>; "Oanh Kim Thuy (HANOI/OH)" <okim@usaid.gov>; moleary@usaid.gov; "Bambang Heryanto" <bheryanto@usaid.gov>; keoneill@usaid.gov; "Jon Epstein" <epstein@ecohealthalliance.org>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "William Karesh" <Karesh@ecohealthalliance.org>; "Sotheara Nop" <[REDACTED]>; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Kevin Olival PhD" <olival@ecohealthalliance.org>; "Subhash (FAORAP) Morzaria" <[REDACTED]>; [REDACTED] "Juan (AGAH) ([REDACTED] Lubroth" [REDACTED]; "Wantanee (FAORAP) Kalpravidh" [REDACTED] "Filip Claes (AGAH)" [REDACTED]; "Ron Waldman" <ronwaldman@email.gwu.edu>  
**Subject:** IRIN | Three deadly viruses that could spawn the next pandemic

FYI

[http://www.irinnews.org/analysis/2017/02/20/three-deadly-viruses-could-spawn-next-pandemic?utm\\_source=IRIN+-+the+inside+story+on+emergencies&utm\\_campaign=14a2d472a5-RSS\\_EMAIL\\_ENGLISH\\_ALL&utm\\_medium=email&utm\\_term=0\\_d842d98289-14a2d472a5-75445457](http://www.irinnews.org/analysis/2017/02/20/three-deadly-viruses-could-spawn-next-pandemic?utm_source=IRIN+-+the+inside+story+on+emergencies&utm_campaign=14a2d472a5-RSS_EMAIL_ENGLISH_ALL&utm_medium=email&utm_term=0_d842d98289-14a2d472a5-75445457)

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

**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 03/06/2017 11:15:43 AM (-08:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Cc:** "David Wolking" <djwolking@ucdavis.edu>; "Chris Johnson" <ckjohnson@ucdavis.edu>  
**Subject:** Re: Update, FAO HPAI preparedness plan,

Quite a bit of potential activity there !

Thanks,

BK

**William B. Karesh, D.V.M**

*Executive Vice President for Health and Policy*

EcoHealth Alliance  
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New York, NY 10001 USA

+1.212.380.4463 (direct)

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On Mar 6, 2017, at 1:47 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Thanks, looping in Billy & Chris, so we're all on the same page if things develop further.

Have a nice day,

Jonna

On Monday, March 6, 2017, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

You should be in the loop on this as well. HPAI preparedness plans with FAO/PREDICT in eastern DRC

David

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

From: **Kirsten Gilardi** <[kvgilardi@ucdavis.edu](mailto:kvgilardi@ucdavis.edu)>  
Date: Mon, Mar 6, 2017 at 2:43 AM  
Subject: Fwd: Update, FAO HPAI preparedness plan,  
To: David John Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Brian Bird <[bhbird@ucdavis.edu](mailto:bhbird@ucdavis.edu)>  
Cc: Cranfield Mike <[REDACTED]>

Brian and David, just looping you in.

From what I understand from Eddy' emails, FAO is on deck to conduct AI field surveillance at accessible (non-rebel occupied) parts of Lake Edward, at the request of the government of DRC and with the Congolese wildlife authority (ICCN), in coordination with us (MGVP/PREDICT) and the Goma lab (the government's animal health lab). Eddy has not yet gone into the field with any surveillance teams, and there are no reports of dead birds. As best as I can understand, everything is just in the planning stages, but if that changes, I will let you know. Sorry so confusing... -Kirsten

Begin forwarded message:

**From:** "K.Syaluha Eddy" <[REDACTED]>  
**Subject:** Re: Update, FAO HPAI preparedness plan,  
**Date:** March 6, 2017 at 10:48:04 AM GMT+2  
**To:** Kirsten Gilardi <[kvgilardi@ucdavis.edu](mailto:kvgilardi@ucdavis.edu)>  
**Cc:** Cranfield Mike <[REDACTED]>, jiyanya  
<[REDACTED]>  
<[REDACTED]>  
**Reply-To:** [REDACTED]

Yes, the Goma Lab is the lead assisted by ICCN as government institutions and ICCN Scientific Director requested the ICCN team on ground to consult or coordinate with MGVP and the Goma Lab was copied in the same email and we discussed with Dr Bushu/Goma lab The sampling is fully funded by FAO.  
Eddy

On Mar 6, 2017 06:34, "Kirsten Gilardi" <[kvgilardi@ucdavis.edu](mailto:kvgilardi@ucdavis.edu)> wrote:

Eddy, thanks for sending this good communication to Prime.

Just to make sure I understand: is the Goma lab leading the field investigation, and requesting technical assistance from MGVP (PREDICT) in the field? Has the ICCN team found dead waterfowl on Lake Edward?

-Kirsten

> On Mar 5, 2017, at 8:21 PM, K.Syaluha Eddy <[REDACTED]>  
> wrote:

>

> Hello Prime,

> The FAO team with 2 government members arrived at Goma on Feb23 and left Tuesday 28 this week. They started working with vet technicians presenting the preparedness plan and they brought some sampling equipment to the Goma Lab

and they promised to bring more equipment once they will receive them at Kinshasa. The mission did a round up of the lab infrastructure and equipment inventory and they said that FAO has budget for a complete rehabilitation (reinforce the lab capacity even buy new compound and build a modern one with equipment including N2 production machine) of the Goma lab along with the Other Lab of Lubumbashi, in order to make a good Lab network between Kinshasa, Goma and Lubumbashi vet Lab.

> The team finally visited the provincial ministry and the governor to present the project of the lab rehabilitation.

> As discussed in some meeting done previously in Goma, the mission agreed to send and support the Goma lab team and ICCN to collect some samples in selected 3sites on Edward Lake and test them. At the moment the Goma Lab wrote to the General Direction of ICCN about the sampling project and ICCN scientific Director asked the Goma Lab to coordinate with MGVP and PNVi while he will be discussing the plan with the ADG Cosma to write an official letter. At the moment WCS Goma has provided capture nets for ICCN who requested them and ICCN monitoring team of the lake have identified the sampling sites. Brief this week we will know more about.

> All for now

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 03/08/2017 2:26:42 PM (-08:00)  
**To:** "Kendra Chittenden" <kchittenden@usaid.gov>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "Kendra Chittenden" <[REDACTED]>  
"Dennis Carroll" <DCarroll@usaid.gov>; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Brian Bird" <bhbird@ucdavis.edu>; "Anthony, Simon J." <sja2127@cumc.columbia.edu>; rgreene@usaid.gov  
**Subject:** Re: [predict] Re: Results of Meetings with MOHS and MOAFFS

Thank you, this is very good news, Kendra.  
Our understanding is that the briefing of the President from the Minister of Health and Sanitation is scheduled for tomorrow.  
We will let you know if it proceeds as scheduled, as well as pass along any info we receive.  
Once again, we appreciate your support and sensitivity,  
Jonna

On Wed, Mar 8, 2017 at 8:37 AM, Kendra Chittenden <[kchittenden@usaid.gov](mailto:kchittenden@usaid.gov)> wrote:  
Jonna--

Thanks for the update. I wanted to let you know that USAID is keeping this highly confidential & appreciates the sensitives. We did have a call with Christina Chappell - who is now in Sierra Leone and Saad & they understand that this information must be kept confidential until the Gov't is ready to make it public.

They will brief Ambassador Hoover tomorrow AM. Christina and Saad agree it's best for the Ministers to inform the President and will discuss this with the Ambassador.

The Ambassador - if he agrees to this approach- would be available to go with the Ministers to the President if they would like him to do so. The Ambassador does have an excellent relationship with the President. The Ambassador will NOT go to the President ever without discussing with the Ministers & has not ever done so in the past. So a first interaction with GOSL would be for the Ambassador to meet with the Ministers.

We will touch base with Christina and Saad tomorrow to get a read-out from the meeting & let you know..

We offered and expect that we'll need to set up a call with the Ambassador, Mission Director, and health team and your team and ours to answer questions- possibly as tomorrow or Friday. Please do assure the Prof Gbakima that USAID is keeping this confidential and will convey this to the Ambassador.

Kendra

On Wed, Mar 8, 2017 at 10:54 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Thank you for the meeting yesterday and the discussion regarding Sierra Leone.

Please find below a message from our Predict PI in Sierra Leone back to his Metabiota team. All here is consistent with our communications and discussion yesterday with the only addition being a requested timeline of March 15. We defer to your guidance on that timeline.

In the meantime, we are continuing the analysis for the viral genetics and are preparing materials to be used in communications once that action is cleared.

Have a good day,

Jonna



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

From: **Eddy Rubin** <[erubin@metabiota.com](mailto:erubin@metabiota.com)>

Date: Wed, Mar 8, 2017 at 7:41 AM

Subject: Fwd: Results of Meetings with MOHS and MOAFFS

To: Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>

Cc: Karen Saylor <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>, Tracey Goldstein <[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)>

Begin forwarded message:

**From:** Aiah Gbakima <[REDACTED]>

**Date:** March 8, 2017 at 1:25:32 AM PST

**To:** Frantz Jean Louis <[fjeanlouis@metabiota.com](mailto:fjeanlouis@metabiota.com)>, Karen Saylor <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>, Eddy Rubin <[erubin@metabiota.com](mailto:erubin@metabiota.com)>

**Subject:** Results of Meetings with MOHS and MOAFFS

Dear All,

During and after the UC Davis visit to Sierra Leone, we met with the Ministry of Agriculture, Forestry and Food Security (MOAFFS) people with UC Davis team. That meeting was chaired by the Director, Division of Livestock and present were the Assistant Director Livestock, the Director of Forestry Division and the Assistant and two others.

UC Davis presented the results to them and I stressed that the results were purely preliminary and therefore should not be released to anyone until all the sequencing has been completed and the nature of the (new virus) is known and we have strategize on the nature and scope of preventive messages to the population. UC Davis requested permission from the MOAFFS to inform the USAID Mission but they were told to wait until the Minister was informed first, who might brief, the President of Sierra Leone.

We could not meet with the Chief Medical Officer because he was very busy with other prior meetings. James and I met with him after the team left Sierra Leone and the CMO was happy with the findings but he was very serious about not going to the press and holding on any publication until the President is properly informed by the Ministers of Health and Agriculture respectively. It is extremely important that we have to hold on for any publication and/or press release on this result. I will add that Metabiota and the USAID/Predict will be in deep trouble if we do any publication before the President is fully informed. However, I fully understand and appreciate the need to go into publication but we can wait for that not happen. PLEASE GIVE US UP TO NEXT WEEK WEDNESDAY, MARCH 15, 2017. By that time, I would have put a lot of pressure on the Ministers to inform the

President. I will assure you that if the Ministers inform the President before that time, I will immediately let you know.

Please see the text message I sent to Tracey below

"The CMO is OK your informing USAID but they must keep it highly confidential for two good reasons. Firstly, the Minister of Health has not informed the President and they do not want him to hear from a third party. Secondly, they do not want the public to be misinformed by a press release until the sequencing is completed and we have the proper information on its pathogenicity and strategies for prevention. Please make sure that Saad understands the sensitivity of this issue. It might need the Ambassador himself to talk with the President on the USAID side".

I hope this helps. I am going to Kenema today with Anna and Moinya but my phone will be open incase you need any clarifications on this email.  
Best regards,

Aiah

--

**Aiah A. Gbakima**, MSPH, Ph.D., GCOR  
Country Director, Metabiota Inc, Sierra Leone

**REDACTED**

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--

Kendra Chittenden, Ph.D. | Senior Infectious Disease Advisor| USAID | mobile **REDACTED** | [KChittenden@usaid.gov](mailto:KChittenden@usaid.gov)

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 03/13/2017 9:23:52 AM (-07:00)  
**To:** "Kendra Chittenden" <kchittenden@usaid.gov>  
**Cc:** "Andrew Clements" <aclements@usaid.gov>; "PREDICTMGT" <predictmgt@usaid.gov>; "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** Re: [predict] Re: one last follow up for the weekend...

Thanks,  
Jonna

On Mon, Mar 13, 2017 at 4:50 AM, Kendra Chittenden <[kchittenden@usaid.gov](mailto:kchittenden@usaid.gov)> wrote:  
One update, Saad did talk to Ambassador Hoover who in turn reached out to the Minister of MOHS to schedule a meeting but has not yet heard back from the Minister.

Sent from my iPhone

On Mar 13, 2017, at 7:44 AM, Kendra Chittenden <[kchittenden@usaid.gov](mailto:kchittenden@usaid.gov)> wrote:

I talked to Saad. Aiah updated him and said it would be OK for USAID to ask the Ambassador to brief the President. Saad explained that the Ambassadors' first step would be to meet with the Ministers of MOHS and MAFF.

Saad will talk to the Ambassador this morning, then try to set up meetings with the Ministers soon and jointly if possible.

Saad will update once he talks to the Ambassador.

Sent from my iPhone

On Mar 12, 2017, at 3:03 PM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

I think the consensus so far has been that the mission and Embassy will wait until MOHS briefs the President. So I don't think anything else needs to be done at this point.

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

On Mar 12, 2017, at 7:11 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

FYI -- not sure whether or not to just let things develop.

J

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

From: Aiah Gbakima <[REDACTED]>  
Date: Sunday, March 12, 2017  
Subject: Re: one last follow up for the weekend...  
To: Karen Saylor <[ksaylor@metabiota.com](mailto:ksaylor@metabiota.com)>, Tracey Goldstein <[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)>, Frantz Jean Louis <[fjeanlouis@metabiota.com](mailto:fjeanlouis@metabiota.com)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Eddy Rubin <[erubin@metabiota.com](mailto:erubin@metabiota.com)>  
Cc: Anna Gibson <[agibson@metabiota.com](mailto:agibson@metabiota.com)>

Hi Karen,

MOHS (Minister, CMO and Dr. Jambai) know but the Minister has not been able to brief the President as yet due to scheduling issues at State House. He told me that himself on the phone, however, he said that USAID can be informed.

Saad takes over from here and he was doing everything to get the Ambassador inform the President at his earliest possible time. Essentially, this is out of my hands and it will now be managed by USAID Mission in Country. So far, things have been kept as we want it to be and we hope that the Ambassador will be able to meet the President this weekend or on Monday, the latest. I will keep monitoring with Saad and he promised to update me as well.

We will traveling to Kono this morning for a One Health Stakeholders meeting in Koidu City on Monday and return very early Tuesday morning for our Country Review on Tuesday afternoon, our time here.

Anna has done a great job with samples in Kenema and now she is in Freetown and planning to fly out today. We are very fortunate to have her here as well as the last time, when she was able to help us ship the samples out with Frantz as well.

Best regards,

Aiah

On Sat, Mar 11, 2017 at 5:43 PM, Karen Saylor <[ksaylor@metabiota.com](mailto:ksaylor@metabiota.com)> wrote:

Hi Aiah.

I got info from Anna this morning saying that MOH is aware of the findings but I believe they have not yet briefed the President, is that true?

She also said that you believe that the USAID Sierra Leone has already been briefed on findings by USAID Washington, so that now it is on Saad and the Embassy to make contact with the SL President, so that effectively it is out of your hands at this point, is that correct?  
Finally, have you continued to correspond with Tracey about these latest details or shall I do so?

Thanks again for all of this. You must be exhausted!  
Best wishes,  
Karen

--

**Aiah A. Gbakima**, MSPH, Ph.D., GCOR  
Country Director, Metabiota Inc, Sierra Leone

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--

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<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAO5tDrGfCXXApBOU4nUYD0hy4n0xt9%2BA3vgTZEKRh3a%3D%2Bm6zhQ%40mail.gmail.com>.

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To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).  
To view this discussion on the web visit  
<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/969528332532863213%40unknownmsgid>.

**From:** REDACTED on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 03/30/2017 3:27:19 PM (-07:00)  
**To:** "Dennis Carroll" <dcarroll@usaid.gov>  
**Cc:** "Peter Daszak" <daszak@ecohealthalliance.org>; "Nathan Wolfe" <nwolfe@metabiota.com>; "Cara Chrisman" <cchrisman@usaid.gov>; "Eddy Rubin" <erubin@metabiota.com>  
**Subject:** Re: Follow up from today's phone call

Great -- would be honored and excited to give such a talk!  
Jonna

On Thu, Mar 30, 2017 at 12:06 PM, Dennis Carroll <dcarroll@usaid.gov> wrote:  
All, per our earlier discussion, below is Mark's suggestion. Take a look. I've highlighted in yellow the relevant point.

d

**Mark Smolinski**

Mar 24 (6 days ago)

to me, dlarry, dlarry, Lauren, Eddy, Cara

Thank you Dennis for allowing us to debate this issue. Eddy, it was good to have you into the mix. Nothing would please me more than seeing the planet two-steps to the left of the human epicurve. It is often hard to believe we are moving the first step to the left into livestock and wildlife surveillance. When these are better integrated, we might eventually be successful in adding the modeling and forecasting to predict where outbreak risk is changing (along with the climate).

I am totally with you in spirit and will do all in my power to think more about how to integrate the goals of the GVP into the surveillance efforts we are supporting in the same hotspots for emerging disease. A summary of the learnings from Predict One (and the current work of Predict Two) should certainly be on the PMAC agenda; I know I would attend this session! This work is cutting edge in how one can safely sample their ecosystems, and eventually the diagnostic technology will be cheap enough to make the ultimate GVP price tag far lower than projected today. This is my dream, too, as we need to be doing surveillance across species--human, livestock, bats, birds, rodents, and other wildlife with rapid diagnostics. This is the rate/cost limiting step in mass surveillance that I hope breaks Moore's Law in becoming widely available. In the meantime, we will engage the masses directly in self-reporting :)

Always great to see you. It makes me feel better knowing you are just down the street from the big White House and keeping us safe. I hope you know that your dedication and drive has really made a difference in this field of Emerging Infections.

Keep the faith! By working together and leveraging funds we will create the synergy for lasting change.

Have a nice weekend,

Mark

--  
Dr. Dennis Carroll

Director, Emerging Threats Program  
Bureau for Global Health  
U.S. Agency for International Development

Office: [202-712-5009](tel:202-712-5009)

Mobile: **REDACTED**

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 04/19/2017 9:32:17 PM (-07:00)  
**To:** "PREDICTMGT" <predictmgt@usaid.gov>; "Dennis Carroll" <DCarroll@usaid.gov>  
**Cc:** "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** Fwd: PREDICT EB Call - Wednesday April 19 2017 @ 9AM PDT/12PM EDT  
**Attachments:** Predicting Zoonoses Article.pdf

Hi,

Sharing the PDF from the Nature E&E article previously discussed that praises Predict approach, courtesy of Suzan.

Jonna



# Predicting zoonoses

Karl Gruber

As the line dividing human and wild habitats becomes thinner, we might be brewing the world's next big pandemic. Zoonoses are diseases that are naturally transmitted between animals and humans, and a new project aims to predict their occurrence.

Last year a study identified the source of a rare retrovirus called human T-lymphotropic virus 4 (HTLV-4) that crossed the species boundaries and infected humans<sup>1</sup>. The virus had previously been reported in gorillas from Cameroon, explains Antoine Gessain, head of the Oncogenic Virus Epidemiology and Physiopathology Unit at the Pasteur Institute, who led the study. "After analysing by molecular means, blood samples from 300 people bitten by a non-human primate and living in villages and settlements in the forest of Central Africa, we were able to identify two hunters from Gabon who carried the virus." Both reported having been severely bitten by a gorilla during hunting activities in the past.

The research suggests a zoonotic origin for the virus, reinforcing current thinking that gorillas are important viral reservoirs potentially affecting humans and offering a stark reminder of the potential of such zoonotic spillovers.

About 100 years ago another virus made several independent jumps from chimpanzees and gorillas into humans in western Central Africa. The human version of this virus has killed over 35 million people over the past 30 years, and its name will be very familiar: the human immunodeficiency virus (HIV), the infectious agent behind AIDS. Today, more than 36 million people live with HIV, according to WHO estimates<sup>2</sup>.

A more recent example is the Zika virus, which in 2015 was responsible for unprecedented numbers of infections in pregnant women, causing their unborn babies to develop microcephaly<sup>3</sup>. The virus was first discovered in 1947, in the Zika forest of Uganda when it infected a caged rhesus macaque, part of a study. Some years later the first human reports of Zika virus started to appear.

But humans are not the only victims of the killing scourge caused by these viruses. In November 2016, the Netherlands killed over 190,000 ducks, Sweden 200,000 chickens, Germany about 100,000 turkeys and chickens, and more recently



MICAH HAHN

Figure 1 | A *gachi*, or palm sap collector, hanging a collection pot in Faridpur District, Bangladesh. Fruit bats often help themselves to the sap collected in these pots and, in the process, end up contaminating the sap with their urine, faeces, or saliva.

South Korea has killed about 7 million chicken and ducks. Why? Because of an influenza scare. The H5N8 influenza virus was detected in these unfortunate birds and culling was the best way to eliminate the virus from the population and prevent further spread, explains Thomas C. Mettenleiter, president of the Federal Research Institute for Animal Health in Greifswald–Insel Riems, Germany.

"The destruction of the captive birds from infected holdings is performed to eliminate the virus from the poultry population and prevent further spread (and even more killings)," says Mettenleiter.

Luckily for us, H5N8 is so far only known to infect birds. But other influenza strains have made the jump into humans, such as H5N1, H7N3, H7N7, H7N9, H9N2 and H1N1. The infamous H1N1 strain of 1918 infected nearly 500 million people, killing at least 50 million. A similar strain made a comeback recently, between April 2009 and August 2010, causing 18,500 laboratory-confirmed deaths and as many as half a million deaths related to the disease around the world, according to a 2012 report<sup>4</sup>.

Poultry and primates are not the only species we should be concerned about when it comes to viral reservoirs. Viruses of all sorts, some pathogenic, some innocuous, live in myriads of different animals, from primates and rodents, to birds, bats and pigs. Bats are a particular concern: SARS, Middle East respiratory syndrome (MERS), Nipah, Marburg, Hendra, rabies, Duvenhage, Kyasanur Forest virus, Menangle, Tioman, Melaka, and lyssavirus all came from bats, and Ebola might have too, although this is not confirmed yet<sup>5</sup>.

All these animals have served as reservoirs where one or more viruses have found safety, alliance or simply managed to survive. But the odd part of the story behind many of these diseases is that the virus involved has probably been around for a very long time, living peacefully in its animal reservoir, causing no harm to beast or man. Why then, do they make the jump to the dark side? What ecological and evolutionary steps do these viruses take to become the next big pandemic?

## Ecology of a killer

One of the deadliest, fastest spreading and most impactful zoonotic outbreaks of modern times started with food, in China's culinary capital. Guangdong is one of the largest and wealthiest provinces in China, home of Cantonese cuisine. However, in 2002 Guangdong was at the centre of a ghastly event: it became the birth place of the twenty-first century's first global pandemic.

Severe acute respiratory syndrome (SARS) is caused by the SARS coronavirus



AVALON / PHOTOSHOT LICENSE / ALAMY STOCK PHOTO

**Figure 2** | Adult male mandrill hunted in Gabon to be sold for food.

(SARS-CoV) and starts as an atypical pneumonia, with high fever and mild respiratory symptoms, which quickly evolves into a full-blown pneumonia. The disease kills about 10% of all infected people and, from February 2002 to July 2003, 8,906 people acquired SARS, leading to over 774 deaths in 29 countries, according to WHO figures. The disease outbreak was officially over by July 2003, thanks to the efficient containment efforts of the WHO and governments around the world. Sometime afterwards three independent research papers pointed to coronaviruses as the culprits behind this disease<sup>6–8</sup>. But the question of the ecology and evolution of the virus still remained unanswered.

Where did the virus come from and how did it get into humans? Shortly after the SARS pandemic was under control, the WHO created a special mission assigned to uncover the natural host of the virus. The international team got to work in Guangdong, where everything started.

The first clue came from a chef in Shenzhen who was one of the first persons infected. He worked at a restaurant serving exotic game food, where he was in regular contact with live caged animals. People in Guangdong, as in many places in China, appreciate their meat fresh, but not fresh as in freshly stocked in a supermarket, explains Linfa Wang, director of the Programme in Emerging Infectious Disease at Duke-NUS Medical School, Singapore. “In Guangdong you eat your meat freshly slaughtered,” he says. Live animals can be bought from hundreds of small markets that keep all sorts of animals in cages, ready to please any palate.

A team led by Yi Guan from the University of Hong Kong took samples from several animals, from poultry and ferrets to snakes, turtles and feral cats. With genomic

tools, the team was able to identify palm civets as the most likely source of SARS-CoV. “However, this small mammal was unlikely to be the primary reservoir of the virus as only civets in market, but not in farms, are positive for SARS-CoV,” says Wang. Instead, his “gut feeling,” together with some preliminary findings and his many years of experience working with the bat-borne Hendra virus in Australia, led him to bet on bats as the natural host. In 2005, Wang’s international team published a study settling the question and pointing to horseshoe bats as the likely reservoir<sup>9</sup>.

“Although the bat-borne viruses were not identical to the human SARS-CoV, their close genetic relatedness and the fact that there were more than one such SARS-like viruses present in bats made us to conclude that bats are the most likely reservoir hosts of SARS-CoV at the time of the discovery,” said Wang.

As for the question of how bats and civets met, the most likely scenario involved the overcrowded live animal markets, says Wang. “From farming, wholesale to retail and restaurant, there is ample opportunity for mixing of different animals including civets and bats. In the live animal market in Shenzhen, there were more than 130 different species of animal traded under the same roof in a big shed market,” he says. All you needed was a few infected bats added to the mixture.

#### To evolve or not to evolve

SARS-CoV is a large, single-stranded RNA virus that, like all the members of its genus (Coronavirus) is known to infect both humans and animals. The name comes from their appearance under an electron microscope: a cell surrounded by projections that look a bit like a royal crown, or *corona*

in Spanish. These crown-like structures are proteins known as viral spikes or ‘S’ glycoproteins and are the key factors determining if the virus can invade a new cell, interacting with specific cell receptors in a lock and key fashion.

When SARS-CoV jumped from horseshoe bats into palm civets, specific changes in these S proteins occurred that allowed the virus to infect the cells of the new host, first of civets and then of humans, explains Michael Farzan, a virologist and professor at the Department of Immunology and Microbial Science at the Scripps Research Institute, Florida, USA.

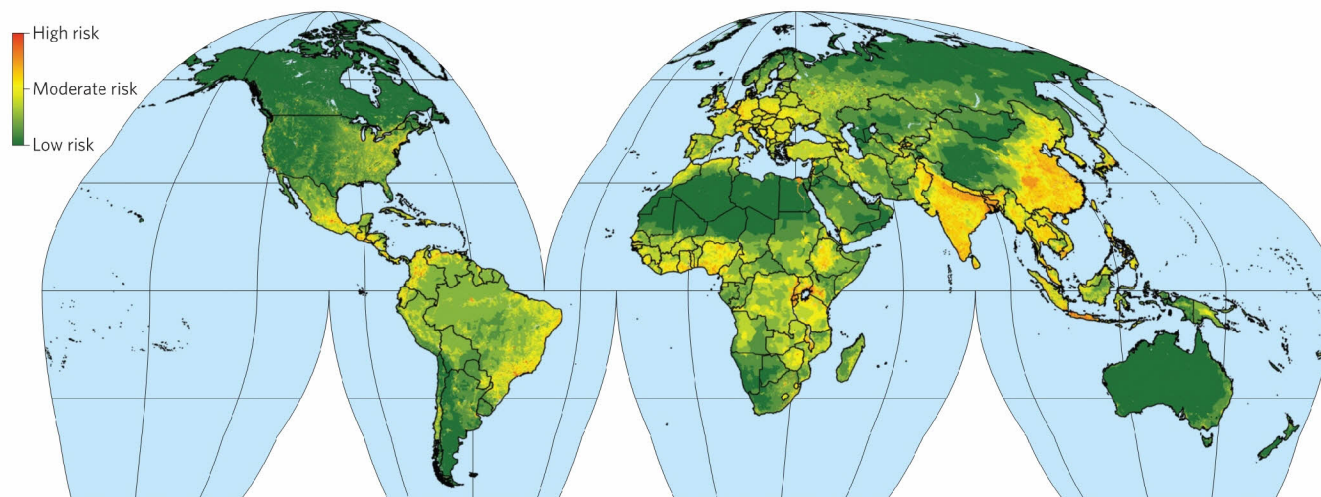
“What we know is that SARS coronavirus circulating in the Guangdong exotic animal marketplace was in general not particularly dangerous, but, perhaps by random mutation, or some level of selection in palm civets, it acquired two key mutations in the receptor-binding domain of its S protein that allowed it to use the human orthologue of the receptor ACE2 with high efficiency.” Coronaviruses are not alone in this evolutionary pattern, notes Farzan: “We’ve also observed a similar pattern with New World arenaviruses that cause severe haemorrhagic fevers in humans (Junin, Machupo, Guanarito).”

Viruses like SARS-CoV or MERS made their way into humans by finding an intermediate host that allowed them to multiply and prosper, and evolve to a form that was more amenable for a human host. Other viruses rely on their speedy evolutionary clock, which allows them to accumulate mutations much faster than any other organisms on Earth.

“Evolution is usually a slow process and for mammals and other animals it typically takes thousands of years before observable changes occur. But for viruses, the rate of evolution is highly accelerated and so evolutionary change can occur over much shorter time scales — even within a few days,” says Fabian Leendertz, team leader of the Epidemiology of Highly Pathogenic Microorganisms group at the Robert Koch Institute in Berlin.

Such speedy evolution is what allowed viruses like HIV-1 and Zika to infect so many people, and evade not only our body’s immune system but also our efforts to design an effective vaccine. The HIV-1 virus, in fact, might be the world’s fastest evolving system, according to a recent report<sup>10</sup>.

But evolution is not always a necessary step, sometimes ecology is enough. Take the Nipah virus outbreak, which started in the Malaysian town of Sungai Nipah in 1999 and infected 283 people. The outbreak led to the killing of nearly 1.1 million pigs across the area of infection to prevent further



**Figure 3** | Hotspot map showing predicted relative risk of zoonotic events after correcting for reporting biases. Data from ref. <sup>12</sup>, EcoHealth Alliance/PREDICT Consortium.

spread of the virus, which in this case killed 107 humans. This virus came from fruit bats and although pigs were involved in the jump to humans, they were not the only culprit.

Epidemiological studies in Bangladesh (a nearly pig-free country) traced down the bat–human route of infection to a very different source: date palm sap (Fig. 1). In the Tangail District of central Bangladesh, people drink the raw juice of date palms, normally procured by *gachis* or tree people (from the Bangla word *gach*, meaning tree). The tree is also a favourite feeding spot for fruit bats, and hence where the trouble brews. For Nipah, a sip of soiled date-palm sap is all you needed to get infected. No evolution required<sup>11</sup>.

“At least for the henipaviruses in Asia and Australia, there doesn’t seem to be much ‘adaptation’. The Nipah viruses from the fruit bat reservoir, pigs and humans are almost identical. Unlike the SARS story, the ephrinB2 receptor is extremely conserved and studies have shown that the NiV envelope (G attachment protein) binds to and uses ephrinB2 equally well from multiple mammalian species,” explains Benhur Lee, a virologist from the Icahn School of Medicine at Mount Sinai, New York.

“I think the spill-over cases mostly resulted from factors that allowed opportunities for humans to get in contact with large doses of viruses. Henipaviruses, despite their high mortality rates, are not easy viruses to transmit. It probably requires intimate/repeated contact with bodily fluids (saliva, urine) containing large amounts of viruses,” says Lee.

Nipah is not alone in this pattern, other viruses such as HIV or HTLV didn’t need

to evolve either before making the jump into humans. And, while it is clear that both ecology and evolution play a role in the dynamics of a zoonotic outbreak, one important question remains: when will the next big zoonotic outbreak occur and how many people will die this time?

Using tools from the realms of ecology and evolution an innovative and massive project is seeking to answer this very question.

### The PREDICT project

Pandemics of zoonotic origins should be rare, at least in theory, because they require a series of specific and unusual events, such as the interaction between two species from distinct ecological niches or the adaptation of viral strains to a new host. Yet, several zoonotic outbreaks have occurred in the past few decades alone and today many scientists are asking why and wondering if we can predict the next pandemic.

The PREDICT project, based at the One Health Institute, University of California, Davis, is the world’s largest effort to track down emerging zoonotic diseases. It involves a small army of 2,500 scientists, government personnel, physicians, veterinarians, resource managers, laboratory technicians, hunters, and students. The project, spread over more than 30 countries around the world, procured tissue samples from a large variety of vertebrate animals that could serve as reservoirs of human infectious agents. PREDICT seeks to identify the viruses or other microorganisms found in wild animals with the goal of making a highly educated guess of where the next zoonotic outbreak could occur<sup>12</sup>.

The project has analysed samples from over 56,000 wild animals, including non-human primates, bats, rodents and other wild species used in the bush meat trade (Fig. 2). So far, over 800 novel viruses that have the potential to infect humans have been identified, half of which were found in bats, 234 in non-human primates and 143 in rodents and shrews.

In Peru, for example, PREDICT identified a broad spectrum of zoonotic pathogens, from bacteria to viruses, living in wildlife being traded in public markets. “Amazonian countries are endemic to a large number of tropical diseases, many of them naturally circulating in wildlife in the forests. Unfortunately, our surveillance of wildlife-borne zoonotic disease is still weak. In my personal opinion, if wildlife trafficking continues being an unattended problem in the region, the next pandemic may arise right here,” says Ana Patricia Mendoza, from the IUCN Species Survival Commission (SSC) Wildlife Health Specialist Group, who worked with the PREDICT project.

But, can we really predict the next zoonotic pandemic with the current knowledge base and technological platforms? Many experts cast doubt with that notion. “If we can’t even predict the common flu, how can we expect to predict a more complicated disease with as yet unknown pathogens?” asks Wang

At the heart of the problem is the unpredictability of these zoonotic events. “Zoonotic spill-over is largely by chance events, so there is inherent unpredictability in infections jumping across species. Much then comes down to rate of interaction with humans, which is going up for pretty

much all potential reservoir species,” says Steven Belmain, professor of ecology at the Natural Resources Institute, University of Greenwich, London.

Jonna Mazet, principal investigator at PREDICT, agrees with these sombre comments, except the part about events being by chance, she clarifies.

It is a tough job, riddled by invisible pathogens that could jump into humans at any time anywhere in the world. But, as Mazet argues, a first step is to identify areas of high risk.

“We aren’t yet ready to predict the next zoonotic event, we aren’t close to that yet because we don’t have the data on which to base those predictions. That is why we need to do the hard work, such as is just being started by our PREDICT project. Our team is working diligently to begin to collect the data that will change this responsive, and somewhat hopeless, paradigm. Prediction will likely become more feasible as we collect and interpret the data collaboratively across the globe on the sharing of viruses between people and animals and all of the risk information surrounding these exposures that can help us forecast and mitigate spill-over,” she says. “As we learn how best to gather the necessary samples and analyse

them, we will provide those most underserved communities the ability to detect and diagnose zoonotic threats in local laboratories to halt the spread of disease at the source of spillover and to understand exposure risks, so that local changes in behaviour can be implemented to reduce pathogen spill-over, amplification, and spread.”

All in all, a take-home message when thinking about zoonotic outbreaks concerns our place within delicate ecosystem we live in, says Leendertz. “Viruses and other microorganisms live all around us, and many even within us. They are part of this world and while some of these microorganisms are potential pathogens most live in peace, and we can’t simply get rid of them all. The most important thing we can do is be ready, so that whenever a new zoonotic disease emerges, we are able to quickly identify the pathogens involved and their reservoirs, understand the triggers for spill-over events and, ultimately, contain the disease. This will need to be an integral part of national surveillance systems, especially in countries with high risk of disease emergence,” he says.

Undoubtedly, some parts of the world are more likely than others to have the ideal conditions to start an epidemic, but if we are ready to tackle the outbreak as soon

as it starts, it could make a big difference (Fig. 3). As Mazet says, the information from PREDICT “is helping in the design of community engagement and education to empower people at highest risk to take control of their health locally, rather than being completely dependent on international response organizations when the worst scenario becomes a reality.” □

*Karl Gruber is a freelance science writer based in Perth, Australia.*

*e-mail: karlgruber@gmail.com*

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12. PREDICT Consortium *Reducing Pandemic Risk, Promoting Global Health* (2014).

#### Competing interests

The author declares no competing financial interests.

**From:** predict-request@ucdavis.edu on behalf of "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 04/27/2017 10:05:15 AM (-07:00)  
**To:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Cc:** "Ashna Kibria" <akibria@usaid.gov>; "Shana Gillette" <sgillette@usaid.gov>; "Alisa Pereira" <apereira@usaid.gov>; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Patrick Dawson" <dawson@ecohealthalliance.org>; "Ehab Abu-Basha" <[REDACTED]>; "Ava Sullivan" <sullivan@ecohealthalliance.org>  
**Subject:** [predict] Re: Please share Predict reports with Jordan mission

Thanks, Billy.

I suspected changes to USAID reporting might have had something to do with this. I think she thought there were written reports she was not getting which is not the case. I would guess that twice monthly reports should be sufficient, but I will check with her.

Good work on the "OH" group. I read through the report. It's great to hear people are committed to meeting regularly and good to see the Predict and FAO work highlighted as examples of how the various sectors can work together.

Andrew

On Thu, Apr 27, 2017 at 6:18 PM, William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:  
Hi Andrew,

We will have our Country Coordinator review the process with Maysa this coming week. (Dr. Ehab, could you check in with Maysa and discuss below, let us know if she would like a different arrangement).

What was set up previously:

Two project updates per month that could be by telephone or in person. Maysa and Dr. Ehab tend to speak at least weekly if not more often.

Previously, we were also sharing a monthly project report put together for GHSA reporting. Then USAID changed it to quarterly, and then this calendar year, Phase 2 countries like Jordan were removed from the quarterly report request from USAID.

But, we are still producing a quarterly country-level project report that is shared with the Mission and in-country partners (as well as USAID/W). That report comes out of the end of the month following each quarter (Jan-March report comes out at the end of April).

Breaking news: PREDICT Jordan just held it's follow-up meeting with Stakeholders with focal points from the Ministries and other organizations, as well as USAID in attendance. As a group, they have decided to meet every other month. WHO hosted the meeting last week and the Ministry of Environment volunteered to host the next meeting.

BK

**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](tel:+12123804463) (direct)  
[+1.212.380.4465](tel:+12123804465) (fax)  
[www.ecohealthalliance.org](http://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 Apr 27, 2017, at 6:57 AM, Andrew Clements <[AClements@usaid.gov](mailto:AClements@usaid.gov)> wrote:

Hi Billy,

The Jordan mission asked me about routinely getting the regular PREDICT reports (monthly?) regarding in-country activities.

Can you copy me on these reports along with Maysa Al-Khateeb ([malkhateeb@usaid.gov](mailto:malkhateeb@usaid.gov))?

Thanks!

Andrew

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

--

Andrew Clements, Ph.D.  
Senior Scientific Adviser  
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health  
U.S. Agency for International Development  
Mobile phone: 1-571-345-4253  
E-mail: [aclements@usaid.gov](mailto: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>  
**Sent:** 05/03/2017 5:25:41 PM (-07:00)  
**To:** "Leilani Francisco" <francisco@ecohealthalliance.org>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Cc:** "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>  
**Subject:** RE: Behavior Plan

...and can we also set up a call among ourselves before the USAID meeting so we all get on the same page with our talking points and anticipating what USAID might say.

I'm around all week next week...

Cheers,

Peter

**Peter Daszak**  
*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

+1.212.380.4473 (direct)  
+1.212.380.4465 (fax)  
[www.ecohealthalliance.org](http://www.ecohealthalliance.org)

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---

**From:** Leilani Francisco [mailto:francisco@ecohealthalliance.org]  
**Sent:** Wednesday, May 3, 2017 3:31 PM  
**To:** Jonna Mazet  
**Cc:** Christine Kreuder Johnson; Peter Daszak  
**Subject:** RE: Behavior Plan

Hi Jonna,  
Thanks for checking in, hope the travels are going well and great news about the call.  
I touched base with Chris today on content for the slides.  
Would it be ok if I get the slides to you on Monday?  
Best,  
Leilani

**From:** [REDACTED] **On Behalf Of** Jonna Mazet  
**Sent:** Wednesday, May 3, 2017 3:10 PM  
**To:** Leilani Francisco <[francisco@ecohealthalliance.org](mailto:francisco@ecohealthalliance.org)>

**Cc:** Christine Kreuder Johnson <[ckjohnson@ucdavis.edu](mailto:ckjohnson@ucdavis.edu)>; Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>

**Subject:** Behavior Plan

Hi Leilani,

Just checking in from New Zealand on the Behavior Plan that will be shared with USAID on May 12. I want to make sure we don't get into the same situation as last time with a very short opportunity to review, weigh-in, and revise.

Could you provide us with the anticipated schedule?

Also, looks like I will likely be able to join the call now.

Looking forward to it,

Jonna



**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 05/23/2017 6:29:32 PM (-07:00)  
**To:** "zandre@usaid.gov" <zandre@usaid.gov>  
**Cc:** "William B. Karesh" <karesh@ecohealthalliance.org>; "Alice Latinne" <latinne@ecohealthalliance.org>; "Evelyn Luciano" <luciano@ecohealthalliance.org>; "Leticia Gutierrez-Jimenez" <gutierrez@ecohealthalliance.org>; "Alison Andre" <andre@ecohealthalliance.org>; "Karen Saylor" <ksaylor@metabiota.com>; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Jonna Mazet (jkmazet@ucdavis.edu)" <jkmazet@ucdavis.edu>  
**Subject:** setting up a phone call to discuss PREDICT work in Côte d'Ivoire  
**Importance:** High

Hi Zandra,

I just wanted to reach out rapidly and say how pleased I am that we'll be working closely on the EPT/PREDICT program in Côte d'Ivoire! Jonna has already filled me in on her call yesterday with you, and I'm really looking forward to talking with you by phone to make sure we manage this transition efficiently and with minimal impact on the current momentum. That said, I didn't realize until today that you might not be in the office next week, so I don't want to miss the window. Please let me know when would be convenient and hopefully we can set up a time that works. To that end, I'm cc'ing Karen Saylor (who may be traveling over the next few days), Alice Latinne who'll be our 'country liaison' or point-person here at EHA for this work and Billy Karesh, who is in charge of partnerships for PREDICT. It would be ideal to have all of us on the call initially, but that might not be possible given travel.

I also want to introduce you to Evelyn Luciano, who manages admin for PREDICT here at EHA, Leticia Gutierrez-Jimenez who is helping manage wildlife surveillance in a number of countries, and Alison Andre who will help schedule the call.

Looking forward to hearing from you and to talking soon...

Cheers,

Peter

**Peter Daszak**  
*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

+1.212.380.4473 (direct)  
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**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 05/31/2017 1:40:53 AM (-07:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Cc:** "Dennis Carroll" <dcarroll@usaid.gov>  
**Subject:** Re: OH meeting in Canada

Thanks, Jonna.

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

On May 31, 2017, at 2:02 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Hi,  
I'm in favor if you two are,  
Jonna

On Tue, May 30, 2017 at 12:31 PM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:  
Hi Jonna,

I see you were on this email from John MacKenzie about the next OH meeting in Canada.

What are your thoughts on his suggestion that PREDICT and P&R once again construct a satellite symposium as was done in Melbourne?

Andrew

Begin forwarded message:

**From:** John Mackenzie  
<[REDACTED]>  
**Date:** May 23, 2017 at 5:00:02 AM EDT  
**To:** Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>  
**Cc:** [REDACTED]  
[REDACTED],  
[REDACTED] 'chris  
Vanlangendonck  
([c.vanlangendonck@onehealthplatform.com](mailto:c.vanlangendonck@onehealthplatform.com))"  
<[c.vanlangendonck@onehealthplatform.com](mailto:c.vanlangendonck@onehealthplatform.com)>,  
Jonna Mazet <[REDACTED]>  
**Subject:** FW: One Health Platform cooperation

## **request**

Dear Dennis,

I write to follow up on the letter sent to you last month by my colleague, Ab Osterhaus. We are really excited by the 5<sup>th</sup> congress as the One Health Platform will be hosting it for the first time, and doing so in collaboration with the University of Saskatchewan and our African partners (the Southern African Centre for Infectious Disease Surveillance (SACIDS), One Health CDC Kenya and the One Health Central and Eastern Africa (OHCEA)).

We are very keen to have a strong input into the congress and the scientific program from you and USAID, especially with the PREDICT and RESPOND projects, but not necessarily confined to these projects. With the success of the symposia in Melbourne, I would like to suggest that PREDICT and RESPOND once again construct symposia to be held as satellite symposia. They provide an excellent international window into their respective projects, as well as giving your international partners the opportunity to present their work at a large gathering and to meet and network with others with similar interests.

As Ab mentioned, we are establishing a One Health Fellowship fund which incorporates a 'leaders of tomorrow' concept. While I am certain some of your international partners in PREDICT, RESPOND and other relevant projects will fit into this concept, we would be very grateful for any additional help you could find to help this worthy cause.

I have attached the first announcement and Ab's letter again, for your information, and would like to remind you again of the program construction – the congress will have 4 principal streams: two will be scientific presentations and form the scientific basis of the congress; one will be devoted to antimicrobial resistance, underlining its importance to human

health; and the final stream will be concerned with science policy and will be directed at policy makers.

We look forward to hearing from you.

With warm personal regards,

John

Professor John S Mackenzie,



Begin doorgestuurd bericht:

**Van:** Ab Osterhaus  
<[a.osterhaus@onehealthplatform.com](mailto:a.osterhaus@onehealthplatform.com)>

**Onderwerp:** One Health  
Platform cooperation  
request

**Datum:** 20 april 2017  
10:47:51 CEST

**Aan:** Dennis Carroll  
<[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>

**Kopie:** David Heymann

**REDACTED**

Dear Dr. Carroll,

Dear Dennis,

I hope this e-mail finds you well.

I'm attaching an official request for collaboration in view of the upcoming 5th International One Health Congress, to be held in Saskatoon, Canada.

Looking forward to getting in touch.

Best regards,

Prof. A.D.M.E. Osterhaus  
ONE HEALTH  
PLATFORM Chair  
It's all connected  
[www.onehealthplatform.com](http://www.onehealthplatform.com)

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

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 06/21/2017 11:56:45 AM (-07:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "William Karesh" <Karesh@ecohealthalliance.org>; cchrism@usaid.gov; "Daniel Schar (RDMA/OPH)" <dSchar@usaid.gov>; "Sudarat Damrongwatanapokin (RDMA/OPH)" <sDamrongwatanapokin@usaid.gov>; jslotnick@usaid.gov; "Dennis Carroll" <dcarroll@usaid.gov>  
**Subject:** Data on Zika in mosquitoes suggest early presence in Rio | CIDRAP

FYI

<http://www.cidrap.umn.edu/news-perspective/2017/06/data-zika-mosquitoes-suggest-early-presence-rio>

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

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 07/04/2017 12:01:24 AM (-07:00)  
**To:** "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "Predict inbox" <predict@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Re: Change to Approved ITA - E. Rubin to UK/Norway

Travel to Norway approved.

*Andrew P. Clements, Ph.D.*

*Senior Scientific Adviser*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On Jul 4, 2017, at 12:14 AM, Katherine Leasure <[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)> wrote:

Hi Andrew. Metabiota has submitted an amendment to the previously approved ITA for Eddy Rubin. Our apologies for the late notification; they just received the invitation from Dennis Carroll this morning to participate in an additional presentation in Norway. I have included below the amended ITA request for Dr. Rubin, as well as the previously approved ITA for reference. Please let me know if you have any questions. Thanks!

**AMENDED ITA:**

Metabiota would like to request travel approval for Dr. Eddy Rubin, Chief Scientific Officer to travel from San Francisco, California, USA to London England from July 9-12, 2017 to present the Global Virome Project to Welcome Trust. He will then fly from London, England to Oslo, Norway from July 12-14, 2017 to meet with Dr. Richard Hatchet, CEO of the Coalition for Epidemic Preparedness Innnovations, to present the Global Virome Project. [\*\$4,100 airfare/\$427 (London), \$271 (Oslo) max daily per diems]

**Trip purpose:** England – Dr. Eddy Rubin will present the Global Virome Project to Welcome Trust. Dr. Rubin will be travelling with Dennis Carroll, Director, Global Health Security and Development Unit, (USAID).  
Norway – Dr. Eddy Rubin will present the Global Virome Project to Dr. Richard Hatchet, CEO of the Coalition for Epidemic Preparedness Innnovations. Dr. Rubin will be travelling with Dennis Carroll, Director, Global Health Security and Development Unit, (USAID).

**PREVIOUSLY APPROVED ITA:**

Metabiota would like to request travel approval for Dr. Eddy Rubin, Chief Scientific Officer, to travel from San Francisco, California, USA to London, United Kingdom from July 9-12, 2017 to present the Global Virome Project to Welcome Trust. [\*\$2,350 airfare/\$427 (London) max daily per diem]

**Trip purpose:** Dr. Eddy Rubin will present the Global Virome Project to Welcome Trust. Dr. Rubin will be travelling with Dennis Carroll, Director, Global Health Security and Development Unit, (USAID).

*Katherine Leasure*

HR/Payroll/Financial Assistant

One Health Institute

University of California, Davis

530-752-7526  
530-752-3318 FAX  
[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)

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<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/03a701d2f449%24ae8000a0%240b8001e0%24%40ucdavis.edu>.



**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 07/06/2017 7:46:12 AM (-07:00)  
**To:** "Elizabeth Leasure" <ealeasure@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "David John Wolking" <djwolking@ucdavis.edu>; "Brian Bird" <bhbird@ucdavis.edu>; "Alisa Pereira" <apereira@usaid.gov>; "Shana Gillette" <sgillette@usaid.gov>  
**Subject:** Re: Follow up on SL

Excellent. Thanks.

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

On Jul 6, 2017, at 4:40 PM, Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)> wrote:

Hi Andrew. Yes, the budget for the ceiling increase will include a subaward to UNIMAK as the primary implementing partner in Sierra Leone.

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**From:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Sent:** Thursday, July 6, 2017 6:22:16 AM  
**To:** Jonna Mazet; Elizabeth Leasure; David John Wolking; Brian Bird  
**Cc:** Alisa Pereira; Shana Gillette  
**Subject:** Follow up on SL

Just talked with Dorothy at the Mission in Sierra Leone. She said Predict will be starting/changing funding to the UNIMAK lab. Are you planning on building that into the overall package you will be submitting to OAA as part of the ceiling increase so that it gets approved along with everything else? Or will that come as a separate subaward at a later time?

Sharing office space with P&R. Sounds like the plan is that Brian and Susan Scribner will discuss what makes the most sense.

We also discussed the possibility that similar findings might be produced by Liberia and/or Guinea before SL releases its results. In that case, we should probably check to see if there is any interest in coordinating a joint release across the countries. Might be less scary to report if others are getting the same results.

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

**From:** predict-request@ucdavis.edu on behalf of "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 07/11/2017 12:28:31 PM (-07:00)  
**To:** "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "Predict inbox" <predict@ucdavis.edu>  
**Subject:** [predict] Re: PREDICT International Travel Requests - B. Bird and E. Leasure

Approved subject to mission concurrence.

Cassandra: please share with missions ASAP. Thanks!

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

On Jul 11, 2017, at 9:16 PM, Katherine Leasure <[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)> wrote:

Hi Andrew. Please find below international travel requests for Brian Bird and Elizabeth Leasure. Our apologies for the late submission of this request. Dr. Bird only recently got back from his extended travel in Sierra Leone, and travel dates could not be finalized until he returned. Please let me know if you have any questions. Thank you!

1. Bird (Sierra Leone): \$3,000 airfare/\$319 (Freetown), \$221 (Makeni) max daily per diems
2. Leasure (Sierra Leone, Ghana): \$8000 \*business class required **REDACTED** /\$319 (Freetown), \$221 (Makeni), \$331 (Accra) max daily per diems

Travel Request –

1. UC Davis would like to request travel approval for Dr. Brian Bird to travel from Redmond, Oregon, USA to Freetown and Makeni, Sierra Leone from July 22 to August 5, 2017 for meetings with in-country staff and US Mission, and laboratory training.

**Trip purpose:** In Freetown, Dr. Bird will meet with in-country staff and US Mission to discuss PREDICT activities, communications, and management transition in Sierra Leone. He will assist in the training of laboratory technical staff to conduct PREDICT protocol testing for filoviruses at the University of Makeni Laboratory in Makeni, Sierra Leone. Dr. Bird and Ms. Elizabeth Leasure will also meet with in-country partner staff at University of Makeni (UNIMAK) regarding administrative and financial management procedures for their new subaward from UC Davis for continued implementation of Ebola Host Project activities.

2. UC Davis would like to request travel approval for Elizabeth Leasure to travel from Sacramento, CA, USA to Freetown and Makeni, Sierra Leone from August 1-6, 2017 for meetings with in-country partners. From Freetown, she will travel to Accra, Ghana from August 6-9, 2017 for meetings with in-country partners and to conduct on-site subrecipient reviews.

**Trip purpose:** Sierra Leone - Ms. Leasure and Dr. Brian Bird will meet with in-country partner staff at University of Makeni (UNIMAK) regarding administrative and financial management procedures for their new subaward from UC Davis for continued implementation of Ebola Host Project activities. Ghana – Ms. Leasure will be meeting with in-country staff and conduct a review of financial and administrative

management procedures and records. On-site reviews are a critical component of UC Davis's subrecipient monitoring plan, which was developed to ensure adequate oversight and compliance with all applicable regulations.

*Katherine Leasure*

HR/Payroll/Financial Assistant  
One Health Institute  
University of California, Davis  
530-752-7526  
530-752-3318 FAX  
[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)

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To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/026d01d2fa7a%243191f990%2494b5ecb0%24%40ucdavis.edu>.

**From:** "Dennis Carroll" <dcarroll@usaid.gov>  
**Sent:** 08/16/2017 9:42:35 AM (-07:00)  
**To:** "Peter Bogner" <[REDACTED]>  
**Cc:** "William Steiger" <wsteiger@usaid.gov>; "Cara Chrisman" <cchrisman@usaid.gov>; "Eddy Rubin" <erubin@metabiota.com>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Re: Human Virome Project

Peter, I wanted to thank you for taking the time to talk with us about GISAID. I am very impressed by your vision and commitment to global health. I believe there is much shared space between GISAID and GVP. As a next step I will be reaching out to Nancy Cox to dive more deeply into the technical details. I hope we can find a time in the near future to meet in person and explore how we might work more closely.

All my best

dennis.

Dr Dennis Carroll  
Director, Emerging Threats Program  
U.S. Agency for International Development  
Office: (202) 712-5009  
Mobile: [REDACTED]

On Aug 7, 2017, at 5:44 PM, Peter Bogner <[REDACTED]> wrote:

Dear Bill,

Indeed, we are certainly aware of Dr. Carroll's work since our initiative got off the ground. It goes without saying, we'd be honored to contribute in some way to his efforts. As I am currently on the West coast, I'd be delighted to connect for a call over these next couple of weeks. To help Dr. Carroll get a better understanding of our efforts, allow me to attach a couple of recent publications that make reference to our initiative.

Thank you kindly for this introduction.

Peter

**The GISAID Initiative**  
*promoting the sharing of all influenza data  
in a Public-Private-Partnership with the Federal Republic of Germany  
visit us at <http://gisaid.org>*

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On 8/7/17, 13:35, "William Steiger" <[wsteiger@usaid.gov](mailto:wsteiger@usaid.gov)> wrote:

Dear Peter,

I know you remember Dr. Dennis Carroll here at USAID, who has been one of the key experts involved in our pandemic-preparedness planning over many years. Recently, Dennis has been spearheading the thinking behind the Human Virome Project, the vision of which is to sequence all of the viruses that have or could have zoonotic potential. I am certain your experience with setting up GISAID will be incredibly valuable to Dennis and his team as they consider how to design the governance, corporate structure, partnerships, headquarters and legal arrangements for the Project.

I'll leave it to you two to connect.

Thanks in advance for your consideration.

Regards,

Bill

<Elbe\_et\_al-2017-Global\_Challenges.pdf>

<Eurosurveillance-22750\_GISAID\_From-Vision-to-Reality.pdf>

**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 10/17/2017 10:26:19 AM (-07:00)  
**To:** "Keith Martin" <kmartin@cugh.org>; "Patricia Conrad" <paconrad@ucdavis.edu>  
**Cc:** "Guy Palmer" <gpalmer@vetmed.wsu.edu>; "Parker, Gerald" <GParker@cvm.tamu.edu>; "Joan Hendricks" <jch@vet.upenn.edu>; "Ted Mashima" <TMashima@aavmc.org>; "Olivier LEPAGE" <REDACTED>  
REDACTED "Mark Stetter" <Mark.Stetter@colostate.edu>; "Arisa Koyama" <akoyama@cugh.org>; "Lisa Ellen Thacher Milbrodt" <milbrodt@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Alison Andre" <andre@ecohealthalliance.org>  
**Subject:** RE: Invitation to develop a OneHealth satellite Mar 15, 2018 in NYC for CUGH2018.

Dear All,

Looking forward to getting involved in this activity, and I've already been talking with Jonna about it.

Please loop in Alison Andre (cc'd above) on emails so I don't miss scheduling of the next conference call.

Cheers,

Peter

**Peter Daszak**  
*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4473  
[www.ecohealthalliance.org](http://www.ecohealthalliance.org)

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

---

**From:** Keith Martin [mailto:kmartin@cugh.org]  
**Sent:** Sunday, October 1, 2017 9:28 PM  
**To:** Patricia Conrad  
**Cc:** Guy Palmer; Parker, Gerald; Joan Hendricks; Ted Mashima; Olivier LEPAGE; Mark Stetter; Arisa Koyama; Lisa Ellen Thacher Milbrodt; Jonna Mazet; Peter Daszak  
**Subject:** Re: Invitation to develop a OneHealth satellite Mar 15, 2018 in NYC for CUGH2018.

Dear Pat,

Thanks so much for suggesting Jonna. She will be a wonderful addition to our team. I am also including Peter Daszak (Ecohealth Alliance) who has been a great collaborator with CUGH in this space. Arisa will send our a Doodle poll for the next 2 wks and invite all on thos email to help plan a 4 hr Onehealth satellite session the day before our conference begins in NYC next March.

Best wishes

Keith

--

Keith Martin MD, PC  
Executive Director  
Consortium of Universities for Global Health  
1608 Rhode Island Avenue, NW, Suite 241  
Washington DC, 20036, USA

+12029746363

[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th Annual CUGH Global Health Conference.  
Theme: Health Disparities: a time for action  
April Mar.15-18, 2018 - Hilton Midtown Hotel, New York City

On Oct 1, 2017, at 3:27 AM, Patricia Ann Conrad <[paconrad@ucdavis.edu](mailto:paconrad@ucdavis.edu)> wrote:

Dear Keith and all,

I would like to recommend that we include Jonna Mazet who is the PREDICT and One Health Institute Director or if she is not available Woutrina Smith who not only coordinates capacity building for PREDICT but also has active programs in Ethiopia, Tanzania and Sri Lanka. Either would be a great addition with the ability to input on OH-Planetary Health from a variety of perspectives globally, beyond just emerging infectious disease.

What do you think?

best wishes,  
Pat

Patricia Conrad DVM, PhD  
Distinguished Professor  
Associate Dean for Global Programs  
School of Veterinary Medicine  
University of California, Davis  
Co-Director, University of California Global Health Institute  
[paconrad@ucdavis.edu](mailto:paconrad@ucdavis.edu)  
Office for Global Programs: 530-752-7210  
Personal cell phone: REDACTED

---

**De :** Keith Martin [<mailto:kmartin@cugh.org>]

**Envoyé :** vendredi 29 septembre 2017 21:45

**À :** Guy Palmer <[gpalmer@vetmed.wsu.edu](mailto:gpalmer@vetmed.wsu.edu)>

**Cc :** Parker, Gerald <[GParker@cvm.tamu.edu](mailto:GParker@cvm.tamu.edu)>; Patricia Conrad <[paconrad@ucdavis.edu](mailto:paconrad@ucdavis.edu)>; Joan Hendricks <[jch@vet.upenn.edu](mailto:jch@vet.upenn.edu)>; Ted Mashima <[TMashima@aavmc.org](mailto:TMashima@aavmc.org)>; Olivier LEPAGE <REDACTED>

REDACTED; Mark Stetter <[Mark.Stetter@colostate.edu](mailto:Mark.Stetter@colostate.edu)>; Arisa Koyama <[akoyama@cugh.org](mailto:akoyama@cugh.org)>

**Objet :** Re: Invitation to 3rd Annual Global Pandemic Policy Summit

Excellent. Joan is fabulous as are the rest of this illustrious group of vets. Arisa will send out a doodle poll for a call in the next 2 weeks so we can determine who would like to do this, identify a chair and get an overall sense of what the workshop will address eg. how to strengthen access to vet care and its benefits (poverty reduction, as a platform for monitoring zoonoses, as a path towards better nutrition, AMR etc)

--

Keith Martin MD, PC  
Executive Director  
Consortium of Universities for Global Health  
1608 Rhode Island Avenue, NW, Suite 241  
Washington DC, 20036, USA

+12029746363  
[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th Annual CUGH Global Health Conference.  
Theme: Health Disparities: a time for action  
April Mar.15-18, 2018 - Hilton Midtown Hotel, New York City

On Sep 29, 2017, at 1:30 PM, Palmer, Guy <[gpalmer@vetmed.wsu.edu](mailto:gpalmer@vetmed.wsu.edu)> wrote:

Thanks Keith—Happy to help organize. For no other reason than Afaf Meleis raves about how great it is to work with Joan and I am ready to see for myself :<)

I'll see Pat in a couple of weeks at the National Academy meeting so we can discuss there as well.

All the best

Guy

*Guy H. Palmer DVM, PhD  
Regents Professor of Pathology and Infectious Diseases  
The Jan and Jack Creighton Endowed Chair & Senior Director of Global Health  
Washington State University*

*Affiliate Appointments:  
Bioengineering & Life Sciences, Nelson Mandela African Institute of Science and  
Technology, Tanzania  
Bioinformatics & Computational Biology, College of Engineering, Washington  
State University  
Department of Diagnostic Medicine, College of Veterinary Medicine, Kansas State  
University  
Center for Emerging & Re-emerging Infectious Diseases, School of Medicine,  
University of Washington*



On Sep 27, 2017, at 3:13 PM, Keith Martin <[kmartin@cugh.org](mailto:kmartin@cugh.org)> wrote:

Dear Gerald,

Thank you so much for the invitation. Sadly, I will be unable to attend your important summit.

We are looking for ways to run a 4 hr symposium/workshop that will connect vets with other disciplines at our conference on Mar 15. Our conference is an ideal opportunity to foster the development of interdisciplinary platforms and collaborations to address a number of vital global health challenges

Topics could include: OneHealth/ achieving the GHSA/ building vet capabilities in low resource settings / other issues. I am copying leaders in the field we engage with who may be interested in pursuing this. Dean Hendricks and I spoke about this in principle.

If anyone on this email would consider helping to organize this please let me know and we will arrange a conference call to get things started. . The satellite room could hold 150-300 people.

Pat ( CUGH Board & UC Davis).

Joan ( The Dean of Vet Sciences at U Penn and is on our conference planning team)

Ted ( Deputy at AAVMC)

Guy ( Fmr. CUGH Board member- Wash. State U)

Olivier ( Vet Agro Group- Lyon and West Africa)

Mark ( Dean at Colorado State)

Thank you.

Keith

--

Keith Martin MD, PC

Executive Director

Consortium of Universities for Global Health

1608 Rhode Island Avenue, NW, Suite 241

Washington DC, 20036, USA

+12029746363

[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th Annual CUGH Global Health Conference.

Theme: Health Disparities: a time for action

April Mar.15-18, 2018 - Hilton Midtown Hotel, New York City

On Sep 27, 2017, at 5:06 PM, Parker, Gerald  
<[GParker@cvm.tamu.edu](mailto:GParker@cvm.tamu.edu)> wrote:

Dear Colleague,

On behalf of Texas A&M University, I would like to invite you to the Scowcroft Institute's 3<sup>rd</sup> Annual Global Pandemic Summit that will take place on October 16-17, 2017 at the Bush School of Government and Public Service and the Annenberg Presidential Conference Center. More information on the summit and the invitation follows below. Please do not hesitate to let us know if you have any questions. I hope you can join us.

Best regards,

Gerald W Parker, Jr  
Associate Dean For Global One Health  
College of Veterinary Medicine & Biomedical Sciences  
Texas A&M University

4461 TAMU | College Station, TX 77843-4461  
phone: 979.458.5049 | mobile **REDACTED**  
| [gparker@cvm.tamu.edu](mailto:gparker@cvm.tamu.edu) | <http://onehealth.tamu.edu>

**REGISTER NOW AT**

<http://bush.tamu.edu/pandemic>

<image001.png>

# Global Leadership at a Crossroads: Are We Prepared for the Next Pandemic?

## Global Pandemic Policy Summit

October 16-17, 2017

Annenberg Presidential Conference Center  
1002 George Bush Drive West  
College Station, Texas 77843

You are cordially invited to participate in a summit which focuses on the role of the United States in pandemic response, international leadership, and the growing importance of global corporate citizenship.

The summit features keynote talks by:

**Dr. David Nabarro**, leader of the WHO's Roll Back Malaria initiative (1999), WHO Executive Director (2001), UN Coordinator for Avian and Pandemic Influenza (2005-2006), and Special Envoy of the United Nations Secretary-General on Ebola (2014-2015).

**Dr. Michael Osterholm**, Director of the Center for Infectious Disease Research and Policy at the University of Minnesota and author of the new bestselling book *Deadliest Enemy: Our War Against Killer Germs*.

**Andrew Card**, White House Chief of Staff under President George W. Bush from 2001-2006. Plenary panels include representatives from the Department of Defense, the Department of Health and Human Services, the U.S. Agency for International Development, non-governmental organizations, academia, and corporations.

#### SUMMIT NARRATIVE

We are on the eve of the 100-year anniversary of the 1918 Influenza Pandemic that killed 50 to 90 million people globally. A future pandemic, possibly one as deadly as the 1918 pandemic, is inevitable and will occur without warning. Public health professionals are working hard to make the world safe from all biological threats with pandemic potential, but despite their commitment and dedication, we remain unprepared. Global health security leadership is at a crossroads with a choice to make: Do we remain vulnerable as a nation, or do we give pandemic prevention and preparedness the priority attention it demands?

#### SUMMIT GOAL

The goal of the 2017 Global Pandemic Policy Summit is to engage in high-level discussions and simulations involving senior US government and host nation officials, private sector organizations, academic and research organizations, implementing partners, and multilateral and bilateral leaders involved in global health security and pandemic response.

#### SUMMIT OBJECTIVES

To achieve the summit goal described above, 2017 summit attendees will identify gaps and challenges and offer definitive, sustainable solutions that will

be included in a post-summit report that is actionable for policy makers and pandemic response partners in the US and globally. We are in the first year of a new administration in the United States, and a new director general for the WHO was recently elected. The time is now to bring urgency to health security as a national security issue with a goal to help new leadership and all stakeholders effectively address global health security challenges.

#### SUMMIT GROUND RULES

The Global Pandemic Policy Summit will operate under Chatham House rules. Participants will explore strategic policy issues with a focus on domestic and international institutional leadership and should come prepared for rigorous discussion and debate in breakout sessions, tabletop exercises, and plenary sessions. Topics requiring more in-depth analysis with joint collaborative potential will be identified for follow-up policy research and peer-reviewed publications.

## Agenda

SUNDAY, OCTOBER 15, 2017

*Summit attendees arrive at College Station, Texas, and evening “Welcome Reception and Dinner.”*

MONDAY, OCTOBER 16, 2017

*Attendees shuttled from hotels directly to the Bush School of Government and Public Service’s Annenberg Presidential Conference Center for buffet breakfast.*

**Opening Plenary:** “*Current State of Pandemic & Health Security Environments*” Summit keynote by Dr. Michael Osterholm followed by discussions with current and former senior US Government officials with a moderated attendee Q&A session.

**Plenary 2:** “*Importance of Global Leadership to the Pandemic Response and Health Security Agendas*” Plenary keynote from Dr. David Nabarro with discussions and Q&A session moderated by Scowcroft Institute Director, Andrew Natsios (former USAID Administrator).

**Luncheon:** Keynote by a senior US leader involved in pandemic response and health security.

**Plenary 3:** “*The Importance of US Engagement for Health Security and Pandemic Response*” Plenary keynote by Dr. Rebecca Katz of Georgetown

University followed by a discussion panel involving key health security visionaries to deliberate the roles of Congress, Executive Branch Agencies, INGOs, and Industry partners. A moderated attendee Q&A session will immediately follow.

**Plenary 4:** *“Global Partnership Solutions and Innovations in Health Security & Pandemic Response”* Plenary keynote followed by proactive discussion involving representatives from major US and multinational corporate leaders with moderated attendee Q&A session.

**Summit Networking Reception and Dinner:** Keynote talk hosted by the Scowcroft Institute of International Affairs.

TUESDAY, OCTOBER 17, 2017

*Attendees shuttled from hotels directly to the Annenberg Presidential Conference Center for buffet breakfast.*

**Summit Table Top Simulation Exercise:** *“Urban Area Infectious Disease (H5N1) Outbreak in a Mega-City in Developing Country X”* Led by Dr. Gerald Parker, Director of Pandemic and Biosecurity Policy at the Scowcroft Institute and Associate Dean for Global One Health at the Texas A&M College of Veterinary Medicine.

**Final Plenary:** *“Table Top Simulation Results Presentations”* Led by simulation group leaders and Summit Summary of Conclusions provided by Dr. Gerald Parker.

**Box Luncheon for all attendees:** Some attendees may wish to depart the Summit at this time, but all attendees are encouraged to stay for our afternoon public collaborative forum and innovation workshop.

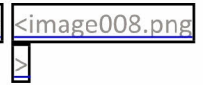
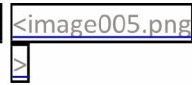
**Summit Afternoon Public Pandemic Preparedness and Innovation Forum:** By fostering wider inputs and public (non-Chatham House rule based) discussion among interested Summit attendees, Texas A&M University faculty & students, the private sector, and state/local government representatives, we will highlight progress and identify new ideas and collaborative opportunities that prevent pandemic outbreaks, better prepare for potential pandemic outbreaks, and help respond to bio-defense and health security threats both in the United States and internationally.

<image002.png>

The Scowcroft Institute of International Affairs (SIIA) is a research institute housed in the Bush School of Government and Public Service at Texas A&M University. The Institute is named in honor of Lt. Gen. Brent Scowcroft, USAF (Ret.), whose long and distinguished career in public service included serving as National Security Advisor for Presidents Gerald Ford and George H.W. Bush. The Institute's core mission is to foster and disseminate policy-oriented research on international affairs by supporting faculty and student research, hosting international speakers and major scholarly conferences, and providing grants to outside researchers to use the holdings of the Bush Library.



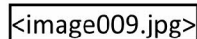
The Bush School of Government and Public Service was founded in 1997, under President George H.W. Bush's philosophy that public service is a noble calling. Since then, the Bush School has continued to reflect that notion in curriculum, research, and student experience and has become a leading public and international affairs graduate institution.



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The Bush School of Government and Public Service  
Texas A&M University  
4220 TAMU College Station, TX 77843-4220 · Map  
Phone 979-862-3469 · Fax 979-845-4155

[Unsubscribe](#)



**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 10/18/2017 12:04:36 PM (-07:00)  
**To:** "Diego Montecino" <dmontecino@ucdavis.edu>; "Kevin Olival, PhD" <olival@ecohealthalliance.org>  
**Cc:** "Nistara Randhawa" <nrandhawa@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Evan Eskew" <eskew@ecohealthalliance.org>; "Alison Andre" <andre@ecohealthalliance.org>  
**Subject:** RE: Updates on PREDICT bat projects

Pleasure to talk with you all just now.

Sorry I didn't get chance to ask about the road analysis also, Nistara – sounds really cool.....Next time maybe...

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4473

[www.ecohealthalliance.org](http://www.ecohealthalliance.org)

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

**From:** Diego Montecino [mailto:dmontecino@ucdavis.edu]  
**Sent:** Tuesday, October 17, 2017 6:07 PM  
**To:** Kevin Olival, PhD  
**Cc:** Nistara Randhawa; Jonna Mazet; Peter Daszak; Evan Eskew; Alison Andre  
**Subject:** Re: Updates on PREDICT bat projects

Hi!

Pretty flexible for me tomorrow.

I can adapt to the best time for all

Best

On Tue, Oct 17, 2017 at 3:02 PM, Kevin Olival, PhD <[olival@ecohealthalliance.org](mailto:olival@ecohealthalliance.org)> wrote:

Hi Diego and Nistara,

Just following up on this.... Jonna, Peter and I discussed and agree it's best for us all to just get on the phone and discuss timelines for papers, what details of the project are, and how we can all collaborate better on these. Would you guys be available for a conference call tomorrow? I believe Jonna is free after 11am PST. Please let us know, and I'm also cc'ing Alison so she can help clear Peter's schedule.

Maybe 11am PST, 2pm EST?

Thanks!  
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](tel:1.212.380.4478) (direct)  
**REDACTED** (mobile)  
[@nycbat](#) (twitter)  
[www.ecohealthalliance.org](http://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.*

On Oct 17, 2017, at 4:42 PM, Evan Eskew <[eskew@ecohealthalliance.org](mailto:eskew@ecohealthalliance.org)> wrote:

Hi again Diego and Nistara,

I just wanted to touch base regarding the PREDICT bat-related projects we discussed earlier this summer and the bat viral shedding analysis I've been working on. Kevin and Peter met with Jonna last month during the PREDICT semi-annual meeting, and they wanted to make sure I got back in touch with you guys about this work in order to move forward and ensure we avoid any overlap. Not sure if you two ever got a copy, but attached is the outline of preliminary results and framework for this analysis that we shared with the P2-wide M&A team (Jonna, CKJ, etc.) prior to the semi-annual meeting. The attached describes our general approach and some preliminary results from EHA PREDICT-1 data that can easily be extended to all bat P1 data. The P2-wide M&A team agreed we should proceed with this as a global paper using PREDICT-1 bat viral detection data, so I've been working more on this. We are not planning on including P2 data at this time.

I would be more than happy to involve you two as co-authors on this paper since you were already working on similar things in your countries and likely have some good insights to contribute during the writing phase. Please review the attached outline, and I can pass on a more fleshed out skeleton of a paper to you too that I've started pulling together.

It would be great to get some updates on your specific work in addition to feedback on how you feel about contributing to this P1 bat viral shedding study.

All the best,



Evan

--

**Evan Eskew, PhD**

*Research Scientist, Modeling and Analytics*

EcoHealth Alliance

[460 West 34th Street – 17th Floor](#)

[New York, NY 10001](#)

[1.646.868.4708](tel:16468684708) (direct)

**REDACTED** (mobile)

[www.ecohealthalliance.org](http://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.*

<EHA Bat Seasonality Outline\_10Sept2017.docx>

**From:** predict-request@ucdavis.edu on behalf of "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 11/06/2017 10:57:47 AM (-08:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** [predict] Re: Next annual report

Thanks, David.

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

On Nov 6, 2017, at 5:41 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi Andrew,

You are right about the timing of the semi-annual report (30 days after the close of the reporting period) but per the cooperative agreement, our annual reports are due 90 days after the award year in accordance with 22 CFR. 226.51(b). We strive to get these to you before the holidays each December but the official drop dead date would be December 29, 2017.

David

On Mon, Nov 6, 2017 at 6:42 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Hi David,

Can you remind me of the timing of when the next semi-annual/ annual report will be submitted? I seem to recall it's something like 4-6 weeks after the end of the reporting period (9/30/17), but I'm not positive.

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](tel:1-571-345-4253)*  
*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** predict-request@ucdavis.edu on behalf of "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 02/08/2018 3:50:32 PM (-08:00)  
**To:** "predict@UCDAVIS.EDU" <predict@ucdavis.edu>; "predictmgt@usaid.gov" <predictmgt@usaid.gov>  
**Cc:** "Patrick Dawson" <dawson@ecohealthalliance.org>; "Evelyn Luciano" <luciano@ecohealthalliance.org>; "Ava Sullivan" <sullivan@ecohealthalliance.org>  
**Subject:** [predict] Fwd: VIP visit Jordan

FYI, from out Jordan Country Coordinator.

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)  
[+1.212.380.4465](#) (fax)  
[www.ecohealthalliance.org](http://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:** Ehab Abu-Basha <[REDACTED]>  
**Date:** February 8, 2018 at 5:47:53 PM EST  
**To:** Patrick Dawson <dawson@ecohealthalliance.org>, Ava Sullivan <sullivan@ecohealthalliance.org>, Molly Turner <turner@ecohealthalliance.org>, "William B. Karesh" <karesh@ecohealthalliance.org>  
**Subject:** VIP visit

Hi All.

I just wanted to let you know that we will have a VIP visit from the USAID new mission Director to PREDICT team and we will have a site trip to Ajloun site. We did a “dry run” visit to the site today with Myasa and her new deputy director and another staff member from USAID to prepare for the mission Director visit next coming Sunday. This is an important visit since the mission director is interested to see and learn more about PREDICT project.

We prepared everything and logistics for this visit and I will let you know the outcomes.

Yours,

Ehab

Ehab Abu-Basha, DVM, MSc., Ph.D  
Faculty of Veterinary Medicine

**REDACTED**

**From:** "Andrew Clements" <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Sent:** 02/15/2018 1:31:07 AM (-08:00)  
**To:** "William Karesh" <[Karesh@ecohealthalliance.org](mailto:Karesh@ecohealthalliance.org)>; [dawson@ecohealthalliance.org](mailto:dawson@ecohealthalliance.org)  
**Cc:** [daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org); [djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu); "Jonna Mazet" <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>; [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)  
**Subject:** Fwd: VIP visit Jordan

FYI. Good feedback.

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

Begin forwarded message:

**From:** Amy Kay <[akay@usaid.gov](mailto:akay@usaid.gov)>  
**Date:** February 15, 2018 at 10:01:17 AM GMT+1  
**To:** Ashna Kibria <[akibria@usaid.gov](mailto:akibria@usaid.gov)>  
**Cc:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Subject: Re: VIP visit Jordan**

Hi Andrew and Ashna,  
I'm here in Amman and the report out from the PREDICT site visit was that it went very well!  
Nancy Eslick is the Acting Mission Director.  
Thanks,  
Amy

On Fri, Feb 9, 2018 at 6:17 PM, Ashna Kibria <[akibria@usaid.gov](mailto:akibria@usaid.gov)> wrote:  
thanks for this info!

On Fri, Feb 9, 2018 at 3:48 AM, Andrew Clements <[aclements@usaid.gov](mailto: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](tel:1-571-345-4253)*  
*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

Begin forwarded message:

**From:** "William B. Karesh" <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)>  
**Date:** February 9, 2018 at 12:50:32 AM GMT+1  
**To:** "[predict@UCDAVIS.EDU](mailto:predict@UCDAVIS.EDU)" <[predict@UCDAVIS.EDU](mailto:predict@UCDAVIS.EDU)>,

"[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)" <[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)>  
**Cc:** Patrick Dawson <[dawson@ecohealthalliance.org](mailto:dawson@ecohealthalliance.org)>, Evelyn Luciano  
<[luciano@ecohealthalliance.org](mailto:luciano@ecohealthalliance.org)>, Ava Sullivan  
<[sullivan@ecohealthalliance.org](mailto:sullivan@ecohealthalliance.org)>  
**Subject: Fwd: VIP visit Jordan**

FYI, from out Jordan Country Coordinator.

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](tel:+12123804463) (direct)  
[+1.212.380.4465](tel:+12123804465) (fax)  
[www.ecohealthalliance.org](http://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

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between human and wildlife health and delicate ecosystems. With this science  
we develop solutions that promote conservation and prevent pandemics.*

Begin forwarded message:

**From:** Ehab Abu-Basha <REDACTED>  
**Date:** February 8, 2018 at 5:47:53 PM EST  
**To:** Patrick Dawson <[dawson@ecohealthalliance.org](mailto:dawson@ecohealthalliance.org)>, Ava Sullivan  
<[sullivan@ecohealthalliance.org](mailto:sullivan@ecohealthalliance.org)>, Molly Turner  
<[turner@ecohealthalliance.org](mailto:turner@ecohealthalliance.org)>, "William B. Karesh"  
<[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)>  
**Subject: VIP visit**

Hi All.

I just wanted to let you know that we will have a VIP visit from the USAID new mission Director to PREDICT team and we will have a site trip to Ajloun site. We did a "dry run" visit to the site today with Myasa and her new deputy director and another staff member from USAID to prepare for the mission Director visit next coming Sunday. This is an important visit since the mission director is interested to see and learn more about PREDICT project.

We prepared everything and logistics for this visit and I will let you know the outcomes.

Yours,

Ehab

Ehab Abu-Basha, DVM, MSc., Ph.D  
Faculty of Veterinary Medicine

**REDACTED**

--

You received this message because you are subscribed to the Google Groups "PREDICTMGT" group.

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To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/0DEA1D77-156C-44C0-9646-085C332495CE%40ecohealthalliance.org>.

--

**Ashna Kibria, MPH**

Public Health Advisor

Emerging Threats Division

**USAID**/Washington, Bureau for Global Health

Phone: [202.712.1210](tel:202.712.1210) (office) | **REDACTED** (cell)

Email: [akibria@usaid.gov](mailto:akibria@usaid.gov)

--

Amy Kay | Senior Health Advisor | GHFP | Middle East Bureau | USAID | 1300 Pennsylvania Ave. NW, Washington, D.C. | 4.9.55 | 202-712-1067 | [akay@usaid.gov](mailto:akay@usaid.gov)

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 03/06/2018 9:25:39 PM (-08:00)  
**To:** "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Re: Change to Approved ITA - J. Belkhiria to Davis

Noted. 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](mailto:aclements@usaid.gov)*

On Mar 7, 2018, at 1:26 AM, Katherine Leasure <[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)> wrote:

Hi Andrew. UC Davis would like to request approval of the following amendment to Dr. Jaber Belkhiria's upcoming travel to Davis (previously approved ITA below for reference). His trip dates have been revised to March 9-29 to allow for additional meetings. Please let me know if you have any questions. Thank you!

1. UC Davis would like to request travel approval for Dr. Jaber Belkhiria to travel from Tunis, Tunisia to Davis, CA, USA from March 10-25, 2018 for meetings with the UCD global team.

**Trip purpose:** Dr. Belkhiria will meet with the UC Davis global team to discuss implementation of project activities in Senegal and Guinea.

*Katherine Leasure*

HR/Payroll/Financial Assistant  
One Health Institute  
University of California, Davis  
530-752-7526  
530-752-3318 FAX  
[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)

--

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To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/03eb01d3b5aa%24e1ecb2d0%24a5c61870%24%40ucdavis.edu>.



**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 03/15/2018 5:54:21 PM (-07:00)  
**To:** "jnziza" <[REDACTED]>  
**Cc:** "William B. Karesh" <karesh@ecohealthalliance.org>; "Predict inbox" <predict@ucdavis.edu>; "Kirsten Gilardi" <kgilardi@ucdavis.edu>  
**Subject:** Re: Meeting with at USAID Mission Brief

Thanks -- great communications.  
Appreciate it,  
Jonna

On Thu, Mar 15, 2018 at 12:50 PM, Kirsten Gilardi <[kgilardi@ucdavis.edu](mailto:kgilardi@ucdavis.edu)> wrote:  
Jonna, Billie, David:

Just looping you in on this message from Julius Nziza, Rwanda CC.

-Kirsten

Begin forwarded message:

**From:** Nziza Julius <[REDACTED]>  
**Subject:** RE: Meeting with at USAID Mission Brief  
**Date:** March 15, 2018 at 11:31:31 AM PDT  
**To:** Kirsten Gilardi <[kgilardi@ucdavis.edu](mailto:kgilardi@ucdavis.edu)>, Mike Cranfield <[REDACTED]>

Hello Kirsten and Mike-

today at 2 .00 p.m I had a meeting at the USAID mission with the following

1. Lisa Kramer
2. Richard (Mission)
3. John (Mission)
4. Etienne (OHW)
5. Yilma Makonnen ECTDA Regional manager E.A/FAO
6. Charles BEBAY Regional OH Coordinator

Lisa briefed us that the FAO team had come to Rwanda at the request of USAID to help on filling some of the gaps left by P&R activities. FAO has limited plan focussing on some activities like providing support to OH platform, updating the ROHSC strategic plan. FAO guys talked about they will hire someone to focus on such actions in the country. That's this is an opening for future FAO/ECTAD collaboration with GOR. FAO more flexible on diseases outbreak response; Veterinary capacity building.

Lisa assured as no MOU renew talk with tomorrow meeting with GOR.

OHW briefed us about their last year actions. I did the same for PREDICT 2.

Also I told them about the gap of domestic animal surveillance which is supposed to be covered by FAO; Response that Rwanda is GSHA 2 so no such action.

Julius

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 03/29/2018 10:35:19 AM (-07:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Brian Bird" <bhbird@ucdavis.edu>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Alisa Pereira" <apereira@usaid.gov>; "Cara Chrisman" <cchrisman@usaid.gov>  
**Subject:** Re: SL phone call

Thanks. I'll ask Kendra to provide dial-in information.

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

On Mar 29, 2018, at 7:04 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi Andrew,

It looks like our team can make that new time work as well.

Do we have call-in information or would you like us to provide it?

Best,

David

On Thu, Mar 29, 2018 at 6:50 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Sorry, I passed along the wrong time. It was supposed to be 10:30 AM in D.C. so 7:30 AM in Napa. Is that do-able?

*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](tel:1-571-345-4253)*  
*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On Mar 28, 2018, at 8:29 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Confirmed that we will do the call from Napa meeting at lunch break.

Thanks,

Jonna

On Wed, Mar 28, 2018 at 9:18 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Are you all available for a call with us and the SL mission from **3:30 to 4pm EDT on April 10th?**

*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](tel:1-571-345-4253)*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 04/13/2018 8:31:43 AM (-07:00)  
**To:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Subject:** Re: Great article on PREDICT and the GVP in Wired magazine

Great!  
J

On Thu, Apr 12, 2018 at 7:52 AM, Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> wrote:

Just out – a great piece from Wired on the SADS-CoV bat-to-pig story that highlights it as a success story for PREDICT and another reason we need to get serious about the GVP.

Here's the link: <https://www.wired.com/story/the-race-to-find-the-next-pandemic-before-it-finds-us/>

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance

[460 West 34<sup>th</sup> Street](#) – 17<sup>th</sup> Floor

New York, NY 10001

Tel. +1 212-380-4474

[www.ecohealthalliance.org](http://www.ecohealthalliance.org)

[@PeterDaszak](#)

[@EcoHealthNYC](#)

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**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 04/20/2018 7:03:30 AM (-07:00)  
**To:** "Karen Saylor" <ksaylors@metabiota.com>  
**Cc:** "Anne Laudisoit" <laudisoit@ecohealthalliance.org>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Edison, Beth" <bedison@metabiota.com>; "Eddy Rubin" <erubin@metabiota.com>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Evelyn Luciano" <luciano@ecohealthalliance.org>; "Ava Sullivan" <sullivan@ecohealthalliance.org>; "Molly Turner" <turner@ecohealthalliance.org>  
**Subject:** Re: ROC results update

Thanks Karen.

Yes, we can pay for the barcoding to be done at INRB. Can you make sure all results get into EIDITH for ROC please. Do you still have access to ROC in EIDITH?

Please coordinate with Anne or connect her with the right folks in Kin.

Thanks!!

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](tel:+12123804463) (direct)

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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

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On Apr 20, 2018, at 3:47 AM, Karen Saylor <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)> wrote:

Hi Billy and Anne.

Billy, good to see you in Napa. As promised, here's an update on the recently completed analysis on ROC samples collected under our tenure.

The Metabiota DRC team completed 4450 PCR tests on 694 specimens from 346 animals from Republic of Congo. All 'products for sequencing' (presumptive positives) have been resolved and 13 samples are positive for Coronavirus (Watanabe protocol). One positive test result (CGAB0344.RST positive for Coronavirus) has an uploaded virus sequence which will be reviewed in the next interpretation session by Tracey.

Although these samples were collected and tested in PREDICT 2 years 1-3 before barcoding was implemented, now all virus positive samples must be barcoded. The samples are stored at the PREDICT lab at INRB in Kinshasa, but the DRC lab doesn't have the budget for analysis or sequencing of ROC samples. Therefore we can suggest two options for barcoding the 13 virus positive samples. The samples can be transferred to the PREDICT lab in Brazzaville for barcoding supported by EHA, or the barcoding can be done in Kinshasa if EHA is willing to support the analysis. We estimate the cost would be around \$1470.

Please let us know how you'd like to proceed or I'm happy to discuss by phone if you need more information.

best,  
Karen

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

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 05/18/2018 9:06:16 AM (-07:00)  
**To:** "Tamar Bah" <tbah@usaid.gov>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; [REDACTED]; "Alpha Oumar Camara" <[REDACTED]>  
**Subject:** Re: Thank you!

Thank you so much for organizing, Tamar.  
It was great to be with you.  
Congratulations on a successful & incredibly packed week,  
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](http://onehealthinstitute.net)

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

On Fri, May 18, 2018 at 8:21 AM, Tamar Bah <[tbah@usaid.gov](mailto:tbah@usaid.gov)> wrote:  
Hello all,

Thank you for participating in both Learning Summit, various field trips. The One Health Session was great and interactive. Thank you for participating in video sessions at the Central Vet Laboratory, VHF Laboratory, Kindia at the CNFA supported training Center for Avenir Agents, The Private Veterinary Clinic, the Community Animal Health Worker training and other various visits. This week has been productive and we learned from these field visits. Thank you for all the effort and hard work in the field. Please thank the staff from both laboratories, private veterinarian, communities and government workers who have been working in the field.

Thanks!

**Tamar T. Bah, MPH**  
Global Health Security Agenda Advisor  
Office: [REDACTED]  
Cell: [REDACTED]  
USAID Guinea



**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 05/23/2018 11:54:44 PM (-07:00)  
**To:** "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "Predict inbox" <predict@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Re: Change to Approved ITA - Chakraborty (Bangladesh) Postponed

Thanks, Katie.

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On May 23, 2018, at 10:47 PM, Katherine Leasure <[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)> wrote:

Hi Andrew. Per EcoHealth Alliance, Debo Chakraborty's travel to Bangladesh has been postponed, as the dates overlapped with the Islamic month of Ramadan. The previously approved ITA is below, with changes highlighted in yellow. Please let me know if you have any questions. Thanks!

EcoHealth Alliance would like to request travel approval for Dr. Debapriyo Chakraborty to travel from Lucknow, India to Dhaka, Bangladesh from July 16 to August 6, 2018 ~~June 1-21, 2018~~ to meet with the PREDICT-2 Bangladesh team.

**Trip purpose:** Dr. Chakraborty will travel to Dhaka to meet the PREDICT-2 Bangladesh team, attend and take part in multiple training sessions on bat field sampling.

*Katherine Leasure*

HR/Payroll/Financial Assistant

One Health Institute

University of California, Davis

530-752-7526

530-752-3318 FAX

[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)

--

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To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

REDACTED

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 05/29/2018 3:51:47 PM (-07:00)  
**To:** "Elizabeth Leasure" <ealeasure@ucdavis.edu>; "Matt Blake" <mblake@ucdavis.edu>; "Hannah R Chale" <hrchale@ucdavis.edu>  
**Cc:** "David John Wolking" <djwolking@ucdavis.edu>; "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** Re: Washington Information Request: Protecting Life in Global Health Assistance Respond by 5/29

Hi -- I'm concerned about today's deadline.  
Hannah, did you get an answer?  
Looping in Matt for follow-up,  
Jonna

On Thu, May 24, 2018 at 8:38 PM, Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)> wrote:  
Hi Hannah. Can you follow up with Paula regarding the clarification she was seeking from UCOP on this "Protecting Life..." provision? I believe we're still waiting on a response. I'll forward you the last email I have.

Thanks,  
Liz

**From:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Sent:** Thursday, May 24, 2018 5:05:20 PM  
**To:** David John Wolking; Elizabeth Leasure; Jonna Mazet  
**Cc:** Amalhin Shek; Alisa Pereira; Cara Chrisman  
**Subject:** Re: Washington Information Request: Protecting Life in Global Health Assistance Respond by 5/29

Action for you below.

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

On May 24, 2018, at 3:38 PM, Amalhin Shek <[ashek@usaid.gov](mailto:ashek@usaid.gov)> wrote:

Hi Andrew,

Could you send or re-send this to P2?

Thanks in advance,

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

USAID-HECFAA, VP of Community Engagement

USAID

Contractor

GHSI-III

- Social Solutions International, Inc.

On Mon, May 21, 2018 at 1:46 PM, Amalhin Shek <[ashek@usaid.gov](mailto:ashek@usaid.gov)> wrote:

Hi AORs,

Do you know if any of our Prime partner sub-awardees have declined to agree to PLGHA? In order to confirm this we should use the attached/copied below, draft communication to reach out to projects regarding any sub-awardees non-agreement with PLGHA. If this does not apply, please let me know and I can go back to Nick to confirm that this info request doesn't apply to us.

-----  
Sample Communication to primes

Dear [insert organization name],

USAID began implementing the Protecting Life in Global Health Assistance (PLGHA) policy on May 15, 2017. On February 7, 2018, the Secretary of State released a six-month review of implementation of the

Protecting Life in Global Health Assistance (PLGHA) policy through the end of Fiscal Year 2017. The review is available here: <https://www.state.gov/f/releases/other/278012.htm>.

The interagency recognized that the initial review took place early in the policy's implementation, and, as

a result, an intended action from the six-month review is to conduct a further review of implementation of

the policy by the end of this year, when more implementation experience will enable a more thorough

examination of the benefits and challenges of the policy.

Under [insert award name], your organization receives global health assistance from USAID and has accepted the PLGHA standard provision in your award. By May [X], 2018, please provide your AOR with the number of sub-recipients (if any) under this award that has declined to agree to the terms of the

Protecting Life in Global Health Assistance policy to date (numerical count only).

In addition, to effectively implement our health programs, when an organization has declined to agree to

the policy, it is critical that, USAID ensure a smooth transition of activities to other partners, while minimizing disruption of services. In accordance with 2 CFR 200.328(d), partners must inform USAID when significant developments occur that have a significant impact upon the supported activity.

Therefore, to ensure an effective transition of activities, and in accordance with 2 CFR 200.328(d), please

inform your AOR and activity manager immediately when you become aware that a sub-recipient has declined to agree, or has indicated its intention to decline to agree, to the PLGHA terms under a USAID

award that provides global health assistance. We may request additional information regarding your transition of the USG-funded activities of any sub-partner that has declined to agree to the terms of the policy.

Thanks in advance,

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

USAID-HECFAA, VP of Community Engagement

UCDUSR0013765

USAID

Contractor

GHSI-III

- Social Solutions International, Inc.

On Tue, May 15, 2018 at 8:18 PM, Nicholas Enrich <[nenrich@usaid.gov](mailto:nenrich@usaid.gov)> wrote:  
Hi ID Divisions PLGHA POCs,

I am reaching out with a data call for each division within ID related to PLGHA.

Please see the email below requesting information related to assistance awards within your division.

Can you please work with all AORs in your division to fill out [this google doc](#), adding sheets for all applicable implementing mechanisms? Please leave the "USAID Central Health Awards" tab blank, as I will use this tab to summarize for our office once all divisions have completed, and then I will submit in the required template referenced below. Therefore, please ensure that it is filled out from your division by **no later than May 25th**.

Please note the draft communication to prime recipients for AORs to reach out on each award.

Also note the procedure for notification if subsequent prime or sub-recipients decline to sign on to the PLGHA policy in the future.

Thanks so much for your help on this, and please let me know if you have any questions.

Thanks,  
Nick

---

Nicholas Z. Enrich | USAID Bureau for Global Health | TB Team  
[1300 Pennsylvania Avenue NW](#) | [Washington, DC 20523](#) | 1.571.309.0217

**Forwarded conversation**

Subject: **Washington Information Request: Protecting Life in Global Health Assistance Respond by 5/29**

-----

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

From: **Ellen Starbird** <[estarb@usaid.gov](mailto:estarb@usaid.gov)>

Date: Tue, May 15, 2018 at 4:47 PM

Subject: Re: CORRECTED Washington Information Request: Protecting Life in Global

Health Assistance Respond by 5/29

To: "GH SMT Mail List (USAID)" <[PHNSMT@usaid.gov](mailto:PHNSMT@usaid.gov)>, GH Regional Bureau Health Contacts <[ghregionalbureauhealthcontacts@usaid.gov](mailto:ghregionalbureauhealthcontacts@usaid.gov)>

Cc: Kimberly Ocheltree <[kocheltree@usaid.gov](mailto:kocheltree@usaid.gov)>, Denise Catbay <[dcatbay@usaid.gov](mailto:dcatbay@usaid.gov)>, "Mary McLaughlin (GC/G)" <[mamclaughlin@usaid.gov](mailto:mamclaughlin@usaid.gov)>, Tamara Bates <[tbates@usaid.gov](mailto:tbates@usaid.gov)>, Nithya Mani <[nmani@usaid.gov](mailto:nmani@usaid.gov)>, Meghan Mattingly <[mmattingly@usaid.gov](mailto:mmattingly@usaid.gov)>

Please share this corrected version with your staff:

Dear Washington Operating Units,

On February 7, 2018, the Secretary of State released a six-month review of the Protecting Life in Global Health Assistance (PLGHA) policy. This interagency evaluation focused on the effectiveness and impact of the policy's application, identified challenges in implementation, and made recommendations for adjustment. The interagency recognized that the initial review took place early in the policy's implementation, and, as a result, we intend to conduct a further review of the policy by the end of this calendar year. As part of this further review, USAID is gathering information on the implementation of the PLGHA policy to date, particularly as it relates to situations in which organizations have declined to agree to the terms of the policy.

To effectively implement our health programs, when an organization has declined to agree to the policy, it is critical that, USAID ensure a smooth transition of activities funded by the U.S. Government to other partners, while minimizing disruption of services. The information we are asking you to provide will help confirm that a smooth transition has taken place in any such cases to date. In addition, we ask that going forward Missions, Operating Units, and their prime implementing partners inform us immediately when they become aware that an organization has declined to adhere to the terms of the PLGHA policy, and send us the details of the transition plan.

We are asking all Operating Units with global health activities to complete the attached spreadsheet, which requests information on the status of cooperative agreements and grants that provide global health assistance subject to the PLGHA policy. Both Missions and Washington Operating Units are receiving this request for information. Interagency colleagues are also gathering similar information, but may be using different methods.

In addition to gathering information about prime partners, we must also ask our prime implementing partners whether any sub-recipients of awards that provide global health assistance have declined to agree to the policy. We have attached draft language that Agreement Officer's Representatives (AORs) can use to communicate with implementing partners. If a prime implementing partner indicates that a sub-awardee has declined to agree to the policy, the AOR should separately follow up with the prime to ask for additional information that will allow the AOR to fill in the attached spreadsheet. For field support through central awards, we ask

that Mission activity managers please coordinate with the USAID/Washington AOR before sending any requests to a prime on this topic.

**Action Items:**

- **By May 29, 2018, please complete the attached template for central awards in place as of May 15, 2017 that provide global health assistance. Please provide information for both prime and sub-awards, and send one consolidated response per Office to [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov).**
- **Please communicate with your prime implementing partners of awards that receive global health assistance to determine whether they have any sub-recipients that have declined to agree to the PLGHA policy. If so, promptly follow up to gather information regarding the following (see attached template):**
  - **Project start date for activities**
  - **Original end date for sub-recipient's activities**
  - **Estimated pipeline as of June 30, 2018**
  - **Expected end date for sub-recipient's activities**
  - **Brief description of the sub-recipient's activities under the award**
  - **Description of prime implementing organization's actions and/or plans to transition the sub-recipient's activities**
- **In the future, please inform the Global Health PLGHA Policy Team (email [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov)) and your General Counsel backstop immediately when you learn that a partner or sub-partner has declined to adhere to the terms of the PLGHA policy, and send us details of the plan to transition to another partner.**
- **Please also inform the PLGHA Policy Team immediately if you learn of any delays or problems in the transition of activities to another partner (email [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov)).**

**If you have questions regarding the template, communicating with prime implementing partners, or any of the information requested, please contact [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov).**

As part of the PLGHA review process, we will likely seek to gather additional information from you in the coming months, and we are grateful for your cooperation. We appreciate your prompt attention to this request.

Thanks,

Ellen

Ellen H. Starbird  
Director, Office of Population and Reproductive Health  
Bureau for Global Health

USAID  
phone: 571-551-7055  
fax: 571-551-7083  
email: [estabird@usaid.gov](mailto:estabird@usaid.gov)

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 07/20/2018 1:04:09 PM (-07:00)  
**To:** "Dean Jamison" <djamison@uw.edu>  
**Cc:** "Dennis Carroll" <DCarroll@usaid.gov>; [REDACTED]; "Cara Chrisman" <cchrisman@usaid.gov>  
**Subject:** Re: Economic analysis contract via USAID Predict

Dear Dean,

Thanks so much for the good background. I'm happy to participate intellectually if I can be useful, but also fine if there isn't a logical place for me to make a contribution. I do think we should chat about scope to most efficiently go over the options. Then, Dennis and I would also like to meet with you and other key players (maybe Ben).

I'm en route to Tanzania now, but I'm available now just in case you might be online and available (I know it's a long shot).

Just in case my mobile is [REDACTED]. Please feel free to call.

I can also try while I have downtime in Tanzania if you want to suggest a couple of times and provide the best number. I'll check the time zones and things to synch up.

If not time sensitive on your end, we can also meet when I return in early August.

Looking forward to talking with you,

Jonna

On Thu, Jul 19, 2018 at 7:19 PM, Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)> wrote:

Dear Jonna

It was indeed nice to have met at the forum, even if only briefly.

I was in Manila at the time you suggested for a call and just back in CA an hour ago. Perhaps for the moment we can take the next step by email.

A little background may be useful. During the meeting in DC Dennis explored my interest in taking on an investment case for the virome project. This was certainly not something I could undertake myself or even manage. I told Dennis I would get back to him the next day after checking with Metabiota colleagues about their availability and interest. Why Metabiota? Ben Oppenheim, Nita Madhav and a team from Metabiota prepared a chapter for the DCP3 on pandemics and contributed substantially to a second, related chapter that I wrote with former treasury secretary Summers (who is REALLY worried about risk of major macroeconomic consequences of a flu pandemic). Metabiota's input to DCP was of the highest quality and on schedule. With them aboard—and they were prepared to be—I felt confident that we could take this on for Dennis.

So I suggested to Dennis that Metabiota take this on with me in a senior advisory role. I am sure other combinations could take this on but my feeling was that this would work for me at the time. I then understood Dennis to suggest that we take the next steps down the path to a funded activity, which we have done with several phone meetings. Our first in person meeting will be August 1.

We have not yet established parameters with Dennis of time and money. My own thinking has been that a two phase effort would make sense. A first phase where options for the analysis would be generated and hopefully where we would generate an approximate sense of where the results might lead. This might cost \$100-125k and take 4-5 months. IF a second phase seems likely to generate added value I expect that would take another 9-12 months and \$400-600k. These numbers are just my guesses and Metabiota and Dennis will likely have somewhat different thoughts.



I would hope we might engage you substantively, as well as UCD in mediating the resources. One thought I had was to use some of the resources to convene a small but very serious advisory group. This might meet for half a day 3 times— twice in the Bay Area and once in DC or NY or Baltimore. Anyway, if all this comes to pass, would you personally have interest (and time) to contribute in this way?

All the best

Dean

Sent from my iPhone

On Jul 19, 2018, at 9:58 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Dear Dean,

It was nice to speak with you briefly at the Forum on Microbial Threats workshop. I have spoken with Dennis Carroll, and we would like to move forward with getting you what you need to conduct the work.

My One Health Fellow, **REDACTED**, who you might have also met at the Forum, will help us with the contract details once we solidify the plans and mechanism.

Are you free at all this afternoon or tomorrow morning to discuss the scope and optimal mechanism with me briefly? I will be heading to Tanzania tomorrow mid-morning, so it will be great to get things moving. Dennis also mentioned a couple of requirements you had, and I want to make sure I understand them so that we satisfy them fully.

Depending on the mechanism, we may need a scope of work, budget & timeline, but there are possible ways to streamline that, too.

Looking forward to speaking with 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](tel:+15307523630)  
[onehealthinstitute.net](http://onehealthinstitute.net)

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

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 07/24/2018 6:20:35 AM (-07:00)  
**To:** [REDACTED]  
**Cc:** "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Corina Grigorescu Monagin" <cgmonagin@ucdavis.edu>; "David John Wolking" <djwolking@ucdavis.edu>; "Brian H Bird" <bhbird@gmx.ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "PREDICTMGT" <predictmgt@usaid.gov>  
**Subject:** Re: Conakry mission in brief: Update

Thanks to you all!

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](mailto:aclements@usaid.gov)*

On Jul 23, 2018, at 2:03 PM, [REDACTED] [REDACTED] > wrote:

Thanks Tracey,  
All questions were covered but I will keep you posted.

[REDACTED]

On Jul 23, 2018 5:07 PM, "Tracey Goldstein" <[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)> wrote:  
Agreed! thanks [REDACTED] Do you still need answers to those questions you listed or do you feel things were covered?

T

On Mon, Jul 23, 2018 at 9:52 AM, Corina Grigorescu Monagin <[cgmonagin@ucdavis.edu](mailto:cgmonagin@ucdavis.edu)> wrote:

Thanks [REDACTED] and great job on the first day of this intense week!

Corina

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**From:** [REDACTED] [REDACTED] >  
**Date:** Monday, July 23, 2018 at 9:28 AM  
**To:** David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Corina Grigorescu Monagin <[cgmonagin@UCDAVIS.EDU](mailto:cgmonagin@UCDAVIS.EDU)>, Brian H Bird <[bhbird@gmx.ucdavis.edu](mailto:bhbird@gmx.ucdavis.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, "[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)" <[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)>, Tracey Goldstein <[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)>  
**Subject:** Conakry mission in brief: Update

Hi all,

Today we had our in brief meeting with the mission.

Tamar Bah and Morgan Mc Kinney ( Acting health team lead) were leading the meeting. There was also a CDC consultant and an intern.

Brioni James ( USAID Guinea and SL acting chief) wasn't there but is expected to be present tomorrow during the meeting with the ambassador.

Pr. Alpha started by introducing the EHP and the activities of PREDICT in Guinée. He also highlighted the close ties between his team and PREDICT SL. Pr. Explained the scientific discovery from SL and the importance of keeping the information confidential. He finally ended by introducing the bat book and examples of our work with the local communities.

Questions from the audience were the following:

- Are you sure that there is really a new virus?
- Does the VHF lab has all the capacity to do testing in country?
- Why don't you intensity sampling close the Bombali region?
- How are you going to introduce the news to the community?
- How are y going to introduce the news to the government?
- How to make sure that the government will do a good dissémination of the news to the community?
- How can we help?
- How to combat fake news that will come post release of the information?
- How are you going to use the bat book with the community?
- Is the bat book adapted the Guinéan context?
- Are you going to work with the Guinean government on the bat book?

Answers were given following the FAQ and the multiple conversations we had with the UC Davis team. The mission seemed satisfied with the answers and offered to help in multiple occasions.

Tomorrow I have a meeting with the ambassador and his team. Will keep you updated.

Please let me know if you have any comments, recommendations.

J

--

Tracey Goldstein, PhD  
One Health Institute  
School of Veterinary Medicine  
University of California  
Davis, CA 95616  
Phone: (530) 752-0412  
Fax: (530) 752-3318  
E-mail: [tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)

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<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAE4BjoSuONXQTLf-WLsp940R1Vu7GwG%2BeemNPYag3D%3D1VxWSQg%40mail.gmail.com>.

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 08/23/2018 1:22:27 AM (-07:00)  
**To:** zandre@usaid.gov  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "Predict inbox" <predict@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Subject:** Re: Change to Approved ITA - A. Laudisoit (Add RoC)

Zandra: see below for modification of previously-approved Predict travel to CDI.

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

On Aug 23, 2018, at 3:09 AM, Katherine Leasure <[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)> wrote:

Hi Andrew. Please find below a change to Anne Laudisoit's approved travel to Cote d'Ivoire, adding travel to Republic of Congo. Her previously approved ITA is below for reference, with changes highlighted in yellow. Please let me know if you have any questions. Thanks!

EcoHealth Alliance would like to request travel approval for Dr. Anne Laudisoit to travel from Brussels, Belgium to Abidjan, Cote d'Ivoire from August 12 to September 14, and September 28-30, 2018 for PREDICT CIV team field mission and continuous training. She will travel from Abidjan, Cote d'Ivoire to Brazzaville, Republic of Congo from September 15-28, 2018 to conduct PREDICT protocol training with the RoC laboratory team. She will return from Abidjan, Cote d'Ivoire New York, NY, USA on September 30.

**Trip purpose:** Cote d'Ivoire – Dr. Laudisoit will carry out the dry season field session with staff from PREDICT partner institutions (LANADA and IPCI) and will help guarantee collection of target samples (100 bats and 100 rodents). During the trip, Dr. Laudisoit will also perform interviews in concurrent site one and perform questionnaires and human sampling in the community of concurrent site one at the clinic of Bonon. Dr. Laudisoit will supervise the team in the lab to ensure tests are conducted, plates sequenced, and data entered in EIDITH. The supervision of the LANADA laboratory team and EIDITH continuous training will be held in Abidjan (2 days in LANADA Bingerville and 2 days in IPCI Cocody). For the remaining number of days in the field, the team will be based in Bouaflé.

*Katherine Leasure*

One Health Institute  
University of California, Davis  
530-752-7526  
530-752-3318 FAX  
[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)

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To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/007c01d43a7d%24e181cc10%24a4856430%24%40ucdavis.edu>.

**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 09/10/2018 8:36:05 AM (-07:00)  
**To:** "Carlos Morel" [REDACTED]  
**Cc:** "Dennis Carroll (DCarroll@usaid.gov)" <DCarroll@usaid.gov>; "Nathan Wolfe" <nwolfe@metabiota.com>; "George F Gao ([REDACTED])" <[REDACTED]>; "Subhash (FAORAP) Morzaria ([REDACTED])" <[REDACTED]>; "Subhash P Morzaria ([REDACTED])" <[REDACTED]>; "Ariel Pablos-Mendez" <[REDACTED]>; "Oyewale Tomori" <[REDACTED]>; "Cara Chrisman" <cchrisman@usaid.gov>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Alison Andre" <andre@ecohealthalliance.org>  
**Subject:** RE: Final decision on our response to Holmes et al. Nature Editorial on the GVP  
**Attachments:** Holmes et al original figure and corrected version.pptx

Just for your records, I've attached the corrected figure, with the original figure for comparison, as a powerpoint slide.

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474  
[www.ecohealthalliance.org](http://www.ecohealthalliance.org)  
[@PeterDaszak](#)  
[@EcoHealthNYC](#)

*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:** Carlos Morel [REDACTED]  
**Sent:** Wednesday, August 22, 2018 7:01 AM  
**To:** Peter Daszak  
**Cc:** Dennis Carroll (DCarroll@usaid.gov); Nathan Wolfe; George F Gao [REDACTED]; Subhash (FAORAP) Morzaria ([REDACTED]); Subhash P Morzaria ([REDACTED]); Ariel Pablos-Mendez; Oyewale Tomori; Eri Togami; Cara Chrisman; Jonna Mazet; Alison Andre  
**Subject:** Re: Final decision on our response to Holmes et al. Nature Editorial on the GVP  
**Importance:** High

Hi Peter,

Congratulations, this is a nice and positive outcome.

I am not sure I saw the 'corrected figure' that you submitted to *Nature* and will be published soon. Have you already shared it with us?

Best,

Carlos

Em 22 de ago de 2018, à(s) 06:21, Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> escreveu:

Dear all,

As per *Nature* policy, they sent our correspondence out to the authors of the piece that criticized the GVP article in *Nature*, and have copied their response to us below. They've decided that they'll publish a corrected figure, but not the text. I think this is a good result for us because it shows that the piece had a serious error, but prevents it from becoming more of a petty debate over whether the GVP will predict things or not. As you can see from the authors' response, they are quoting news articles to support their argument, and are citing the PREDICT program rather than the GVP. However, I think I'm right that if *Nature* published our text, they'd also publish these authors' response, which is essentially negative publicity for the GVP.

As you can see, I've tried to push the editor to publish the correction in the print version of *Nature*, so that it gets to a wider readership, but whatever the case, it will probably be linked to the original Holmes et al. editorial, so will be visible when people read the piece in future.

Onwards and upwards!!

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474  
[www.ecohealthalliance.org](http://www.ecohealthalliance.org)  
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**From:** Peter Daszak  
**Sent:** Wednesday, August 22, 2018 5:09 AM  
**To:** 'Correspondence'  
**Cc:** Alison Andre



**Subject:** RE: Correspondence  
**Importance:** High

Thanks for your response and we look forward to a Correction to the Holmes et al. graphic being published, and one that quotes and attributes the recalculated figures to us.

I hope that this will appear in the print version of *Nature*, as the original piece did, and that it has a similar visibility to the previously-published erroneous figure.

Yours sincerely,

Peter

**Peter Daszak**  
*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474  
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**From:** Correspondence [<mailto:correspondence@nature.com>]  
**Sent:** Monday, August 20, 2018 9:36 AM  
**To:** Peter Daszak  
**Subject:** Correspondence

Dear Professor Daszak,

Thank you for your submission to Correspondence. As is our policy on these occasions, we sent your letter to the criticised authors of the *Nature* article for their informal comments, which I have pasted in below for your information.

On balance, we feel that the most appropriate course is to publish a Correction to the Holmes *et al.* graphic, quoting and attributing the recalculated figures to you. The ongoing debate about prediction can then be referred to a more specialist venue.

Thank you again, however, for writing to us.

Yours sincerely,

Rosalind Cotter  
Correspondence Editor, *Nature*

## Comments from Holmes *et al.*:

It is disingenuous of Daszak *et al.* to state that the “goal of the GVP is not to predict emergence”. Prediction, as can be seen from recent interviews and articles by the individuals involved, has always been a high-profile goal of the GVP, and of the USAID program – called PREDICT – from which it is derived.

In their recent paper (reference 1 in our commentary) the authors state of the GVP, “It will provide orders-of-magnitude more information about future threats to global health and biosecurity” and “GVP progresses will allow validation of risk frameworks and may increase our capacity to predict zoonotic potential”. Furthermore, as one of the authors of the Correspondence is quoted as saying (in reference 8), “We’re trying to improve the crystal ball, which is very murky”. Trying to identify animal viruses of epidemic/pandemic potential before they emerge to inform on “future threats” is undeniably prediction and will be an impossible task for the reasons we outline in our commentary. Finally, as the GVP proponents state on their website (<http://www.globalviromeproject.org/gvp-initiative>): “The Global Virome Project (GVP) Bellagio forum attendees...support the development of a global alliance to carry forward the GVP, an international effort to identify and characterize, within a decade, 99% of all zoonotic viruses with epidemic/pandemic potential in order to better predict, prevent, and respond to future viral pandemic threats and to protect us all from their worst consequences.”

The central point of our commentary was that the core goal of the GVP is both unattainable and misleading because of the innumerable possible viruses involved, the extraordinary and unaccounted for costs and effort needed to characterize them, and that the virus genome sequence – of a virus not known to infect humans or cause outbreaks – is in itself of little value for pandemic prediction, prevention, or response.

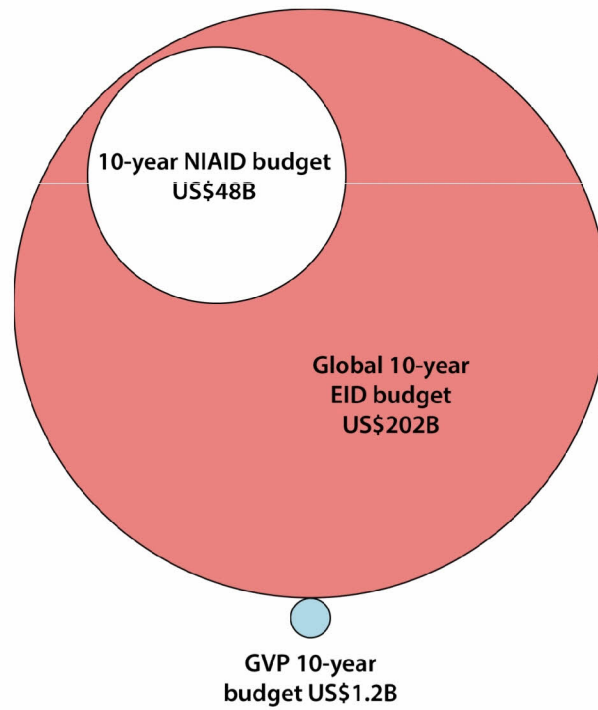
We certainly do not argue against the “building of laboratory and field surveillance capacity in biodiverse emerging disease hotspot countries” as Daszak *et al.* imply. In fact, we strongly believe that money should be spent on such efforts in key localities to strengthen surveillance efforts. Indeed, the example provided of the supposed utility of the GVP approach – that of a bat-origin coronavirus outbreak in pigs – is in fact a perfect example of the “surveillance first” approach that we advocate. Such exercises in virus discovery are a common occurrence in infectious disease epidemiology. Critically, however, nothing was predicted nor prevented.

Contrary to what Daszak *et al.* state, we do not perform an “inaccurate analysis of program budget” or indeed, any analysis. Rather, for illustrative purposes, we simply compared the proposed GVP budget size to the annual size of the NIH/NIAID budget. Another comparison could be to the standard NIH R01 funding mechanism, which is typically \$250,000 annually, or \$2,500,000 over ten years. Close to 500 projects could therefore be funded over a ten-year time-period for the same amount of money requested by the GVP.

Whilst we believe (and stated in our Commentary) that the large-scale genome sequencing of animal viruses will provide important insights into virus ecology and evolution, and we certainly never downplayed the need for basic virology research, we strongly believe that this will not allow us to predict or prevent human outbreaks or pandemics, and such claims lead to false expectations. Future outbreaks will inevitably occur, and it is critical that we, as a scientific community, focus our attention on proven intervention strategies and not provide misleading messages to the public and potential funders.



Holmes *et al.* 2018 Nature



**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 10/03/2018 3:31:02 AM (-07:00)  
**To:** "ZHANG, Wenqing" <[REDACTED]>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "BRIAND, Sylvie" <[REDACTED]>; "David J Wolking" <djwolking@ucdavis.edu>; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Makonnen, Yilma (FAORNE)" <[REDACTED]>; "Wantanee (FAORAP) Kalpravidh" <[REDACTED]>; "Claes, Filip (AGAH)" <[REDACTED]>  
**Subject:** Re: Informal review of USAID-funded influenza surveillance in Southeast Asia

Thanks. We're looking at mid-November to see if that works with the field.

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](mailto: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 10:36 PM ZHANG, Wenqing <[REDACTED]> wrote:

Dear Andrew,

I support the joint call to have an overview of different pieces in the region. With regards timing, I prefer Nov. The 2 weeks you suggested in Oct are tightly packed for PIP AG and RSV.

Best regards,

Wenqing

W Zhang  
Sent from my iPhone

On 2 Oct 2018, at 13:29, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Sounds like November is best for all. I'm sure we can accommodate any proposed dates that don't overlap with Thanksgiving travel.

Predict team is happy to participate.

Thanks for organizing,

Jonna

On Tue, Oct 2, 2018 at 8:12 AM BRIAND, Sylvie <[REDACTED]> wrote:

Dear Andrew,

Dr Janet Diaz has replaced Nikki Shindo on the clinical management aspect of Influenza and she is currently in DRC for Ebola.

I suppose that November would be better for us given the current demand in the field and a number of Flu meeting planned for October already.

Best regards

Sylvie

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

**Sent:** 01 October 2018 18:06

**To:** David J Wolking; Jonna Mazet; Christine Kreuder Johnson; Makonnen, Yilma (FAORNE); Wantanee (FAORAP) Kalpravidh; Claes, Filip (AGAH); BRIAND, Sylvie; ZHANG, Wenqing

**Subject:** Informal review of USAID-funded influenza surveillance in Southeast Asia

Hi all,

As you know, USAID has been investing in influenza surveillance in Southeast Asia (Laos, Myanmar, and Vietnam) for a few years now. The activities include the following:

1. Longitudinal Influenza Surveillance Network (LISN) in Vietnam [FAO, PREDICT, WHO]
2. Cross-sectoral influenza (H7N9 and others) surveillance in border areas of Myanmar and Laos, and Vietnam [FAO, WHO]
3. Expanded (human) respiratory surveillance in Vietnam [WHO].

Since we have not had a joint update on these related activities, I would like to convene a phone call with USAID, FAO, PREDICT, and WHO to go over what has been done and what results have been achieved to date. (See attached for a possible agenda.)

Action: Can you check your calendars for mid October (either the week of Oct 15 or Oct 22-23) or mid November (starting on the 12th) and let me know what days are good (or bad) for you so we can start to identify a date and time that works for most/all people to have a conference call? With the time difference between California and SE Asia, it seems like we'd have to do something like 9:00 PM BKK/4:00 PM CET/10:00 AM EDT/7:00 AM PDT (unless

the people from CA happen to be on the U.S. east coast at the time of the call). No need to reply all when responding--I can collate results and share back with the whole group.

Thanks!

Andrew

P.S. I have not included country-level staff on this e-mail. If we can identify one or two windows of time for the call, we can propose those to field colleagues in USAID, FAO, PREDICT, and WHO.

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](mailto:aclements@usaid.gov)

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

**From:** "Dennis Carroll" <dcarroll@usaid.gov>  
**Sent:** 10/05/2018 2:08:41 PM (-07:00)  
**To:** [REDACTED]  
**Cc:** "Greenway, Matthew" <Matthew.Greenway@ucsf.edu>; "Brooke Genovese" <bgenovese@ucdavis.edu>; "twilk" <twilk@uw.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Dean Jamison" <djamison@uw.edu>; "Cara Chrisman" <cchrisman@usaid.gov>  
**Subject:** Re: Oct 10 meeting

[REDACTED] and Matt, greatly appreciated. Enjoy your weekends

d

Dr Dennis Carroll  
Director  
Emerging Threats  
Global Health  
USAID  
301-646-6235

On Oct 5, 2018, at 5:03 PM, [REDACTED] > wrote:

Thanks Matt, I think we are good to go.

Have a nice weekend,

[REDACTED]

---

**From:** Greenway, Matthew [<mailto:Matthew.Greenway@ucsf.edu>]  
**Sent:** Friday, October 05, 2018 1:21 PM  
**To:** [REDACTED] >  
**Cc:** Brooke Genovese <[bgenovese@ucdavis.edu](mailto:bgenovese@ucdavis.edu)>; twilk <[twilk@uw.edu](mailto:twilk@uw.edu)>; Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>; Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)>; Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>; Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>  
**Subject:** Re: Oct 10 meeting

Hey [REDACTED]

Sure, their offices are located at 425 California Street, Suite 1200. Is there anything else I can help you with?

Thanks,

MG

Matthew Greenway  
Operations Coordinator  
Global Strategic Information/FRS  
UCSF Global Health Sciences  
Mission Hall, Box 1224  
550 16<sup>th</sup> Street, Third Floor  
San Francisco, CA 94143



415.476.5736

---

**From:** [REDACTED]  
**Date:** Friday, October 5, 2018 at 1:18 PM  
**To:** Matthew Greenway <[Matthew.Greenway@ucsf.edu](mailto:Matthew.Greenway@ucsf.edu)>  
**Cc:** Brooke Genovese <[bgenovese@ucdavis.edu](mailto:bgenovese@ucdavis.edu)>, twilk <[twilk@uw.edu](mailto:twilk@uw.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)>, Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>, Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>  
**Subject:** RE: Oct 10 meeting

Hi Matt,

Thank you very much! Yes, an address would be great.

Best,

[REDACTED]

**REDACTED**

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

---

**From:** Greenway, Matthew [<mailto:Matthew.Greenway@ucsf.edu>]  
**Sent:** Friday, October 05, 2018 12:42 PM  
**To:** [REDACTED]  
**Cc:** Brooke Genovese <[bgenovese@ucdavis.edu](mailto:bgenovese@ucdavis.edu)>; twilk <[twilk@uw.edu](mailto:twilk@uw.edu)>; Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>; Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)>; Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>; Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>  
**Subject:** Re: Oct 10 meeting

Hi [REDACTED]

The meeting on 10/10 is at Metabiota from 9am to 2pm. Do you need the address?

Thanks,

MG

Matthew Greenway  
Operations Coordinator  
Global Strategic Information/FRS  
UCSF Global Health Sciences  
Mission Hall, Box 1224  
550 16<sup>th</sup> Street, Third Floor  
San Francisco, CA 94143  
415.476.5736

---

**From:** [REDACTED]  
**Date:** Friday, October 5, 2018 at 12:31 PM  
**To:** Matthew Greenway <[Matthew.Greenway@ucsf.edu](mailto:Matthew.Greenway@ucsf.edu)>

UCDUSR0013787

**Cc:** Brooke Genovese <[bgenovese@ucdavis.edu](mailto:bgenovese@ucdavis.edu)>, twilk <[twilk@uw.edu](mailto:twilk@uw.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)>, Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>, Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>

**Subject:** Oct 10 meeting

Hi Matt,

This message is regarding Dean, Dennis & Jonna's meeting in the morning of Oct 10. Do you know if the time and place have already been arranged?

Thank you,

REDACTED

**REDACTED**

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

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 10/26/2018 3:20:04 AM (-07:00)  
**To:** "AOTR/Grant Manager Andrew Clements" <AClements@usaid.gov>; predictmgt@usaid.gov  
**Cc:** "Brian Bird" <bhbird@ucdavis.edu>; "Predict inbox" <predict@ucdavis.edu>; "Karen Saylor" <ksaylors@metabiota.com>  
**Subject:** Re: Preparedness alignment exercise  
**Attachments:** USAID preparedness Activity alignment (1).xlsx

#### Attachment

On Fri, Oct 26, 2018 at 3:18 AM Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Hi Andrew & DC team,

I think Andrew may be off, so I wanted to see if we could get some input ASAP on this DRC request.

See below & this follow-up from Karen:

"Here are some items we think we could offer as support contributions:

- Sample storage (space)
- Training on sample handling and extraction
- Training on lab biosafety"

Jean Felly seems to want to respond by today, so please let us know if you approve this approach.

Thanks in advance,  
Jonna (for the team)

On Wed, Oct 24, 2018 at 7:48 PM Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Dear Andrew,

It appears we are now being asked to take a larger role and to assume some responsibilities for the outbreak. How would you like us to proceed?

Looking forward to your thoughts and suggestions.

Let me know if you want to do a call,

Jonna

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

From: **Karen Saylor** <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>

Date: Wed, Oct 24, 2018 at 5:03 PM

Subject: Fwd: Preparedness alignment exercise

To: Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>

Cc: Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>

Hi Liz and Jonna.

For your visibility, we got this request from the DRC Mission and they're requesting that we take on some preparedness activities. We'd really only be able to take on some non-monetary support roles since our budget is tight, but please let us know if you have suggestions.

Thanks,  
Karen

Begin forwarded message:

**From:** Charles Kumakamba <[ckumakamba@metabiota.com](mailto:ckumakamba@metabiota.com)>  
**Subject:** Fwd: Preparedness alignment exercise  
**Date:** October 23, 2018 at 4:18:08 AM PDT  
**To:** Karen Saylors <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>, David McIver <[dmciver@metabiota.com](mailto:dmciver@metabiota.com)>, Mat Lebreton [REDACTED], Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>, Christian Lange <[clange@metabiota.com](mailto:clange@metabiota.com)>, Amethyst Gillis <[agillis@metabiota.com](mailto:agillis@metabiota.com)>, Dana Ellis <[dellis@metabiota.com](mailto:dellis@metabiota.com)>

Hi Karen,

Please find attached the outbreak preparedness plan that I just received from USAID local mission . They're asking us to choose some activities on which PREDICT could be responsible. The local mission suggested some activities in red in the file .

Best,  
Charles

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

**From:** Jean-Felly Numbi <[jnumbi@usaid.gov](mailto:jnumbi@usaid.gov)>  
**Date:** Tue, Oct 23, 2018 at 10:39 AM  
**Subject:** Fwd: Preparedness alignment exercise  
**To:** Charles Kumakamba <[ckumakamba@metabiota.com](mailto:ckumakamba@metabiota.com)>

Bonjour Charles,

Voici le document du plan de préparation/Preparedness du Ministère de la santé à court terme 3 mois seulement Ebola dan 6 provinces (Sud-Kivu, Maniema, Tanganyika, Tshopo, Ituri, Haut-Uelé ) et moyen termes 12 mois pour tout le pays seulement pour les épidémies. Prière aligner Predict sous les activités que vous pouvez faire.

Pour la question des casquettes, j'attends la réponse du service concerné.

Merci.

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

**From:** Mbayi Kangudie <[mkangudie@usaid.gov](mailto:mkangudie@usaid.gov)>  
**Date:** Tue, Oct 23, 2018 at 10:29 AM  
**Subject:** Preparedness alignment exercise  
**To:** Jean-Felly Numbi <[jnumbi@usaid.gov](mailto:jnumbi@usaid.gov)>

Dear Jean-Felly,

Herein attached the updated version. Please use this version to request PREDICT preparedness activities under each of the component. Let's think immediate, medium and long term.

Best,

*Dr Mbayi Kangudie, MD, MPH*  
Senior Health Advisor

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT - WEST AFRICA

[REDACTED]

UCDUSR0013790

**REDACTED**

*We Partner with West Africans to Achieve Peace and Prosperity  
Partenaires pour la Paix et la Prospérité en Afrique de l'Ouest*

*"The Lord will turn your shame into glory"*

--

**Jean-Felly Numbi**

USAID-DRC TB& Infectious Disease Advisor

Office Phone #:

Cellular Phone #

**REDACTED**

	A	
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2	Preparedness Strategic pillar	
3	1. <b>Coordination strengthening:</b> Strengthen the coordination structures, including the technical sub-commissions set up by the Governors and the Provincial Ministers of Health	
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9		2. <b>Surveillance and Rapid response team:</b> Strengthen surveillance measures, particularly the investigation and follow-up of alerts
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15	3. <b>Infection prevention and control (facilities, communities):</b> Strengthen infection prevention and control capacities in health zone structures (include at least 1 referral hospital and 5 health centers in 5 health zones in each province).	
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26	4. <b>Case management and isolation units readiness:</b> Strengthen the capacity for rapid management of suspicious cases, including the monitoring of contacts, secure care, dignified and safe burials in high-risk health zones	
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32	5. <b>Point of entry capacity strengthening:</b> Strengthen screening, outreach, isolation and referral activities at entry points with intensive passage that are unsupported (average of 30 PoE / province).	
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	B	C	D	E	F	G
1	<b>USAID preparedness activity alignment</b>					
2	Activities	Geographic focus	Responsible partner and sub-partners	Start-end date	Status	TEC
3	Development of a 30 day preparedness plan	Ituri, Sud Kivu, Tanganyka, Maniema, Haut Uele, Bas -Uele	WHO/MoH		Completed	\$ 500,000
4	Preparedness gap assessment visits to 6 high risk provinces	Ituri, Sud Kivu, Tanganyka, Maniema, Haut Uele, Bas -Uele	WHO/MoH		Completed	
5						
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9	Set up RRT in neighbouring provinces	Sud Kivu, Oriental, Maniema		?		
10	Implement Community-Based Surveillance Programs	Kinshasa, Kongo Central	IFRC/DRC RC			
11	Develop micro-contingency plans	Kinshasa, Kongo Central				
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15	<b>Communities and schools:</b> set up temperature hand wash stations in key public spaces	Kivu, Sud-Kivu,	UNICEF/PPSSP/ACF (Ituri)	ASAP	Discussion ongoing with partners and supply order ready.	\$ 2,000,000
16	<b>Health facilities:</b> Equip possible ETC with WASH infrastructure, WASH kits, waste management, laser thermometers		UNICEF/PPSSP/Medair (NK)			
17	<b>Training:</b> providers, school children and administration staff on safe hygiene practices		UNICEF/Tearfund (SK)			
18			PREDICT			
19	<b>PPE: procurement and distribution</b>		WHO			
20	<b>IPC in health facilities (training, equipment, monitoring)</b>	North Kivu, Ituri	IFRC/DRC RC	Aug-Feb 2019		
21	<b>Safe and dignified burial</b>	North Kivu, Ituri	IFRC/DRC RC	Aug-Feb 2019	Started	
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**USAID:**  
IFRC direct funding with Ebola fund

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2	POC partner	AOR/Activitiy Manager USAID
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15	Nicolas Rice Chudeau: REDACTED	Sandy/Jean-Felly/Bethany
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38	6. Risk communication and community engagement: Intensify and decentralize community outreach and mobilization activities
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46	7. Laboratory capacity assessment and strengthening:
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38	Door to door and mass sensitization to spread prevention messages and promote changes in risky behavior		IFRC/DRC RC	Aug-Feb 2019	Started	
39	Set up feedback system to collect and manage rumors questions and complaints from the community to improve messages and response strategy		IFRC/DRC RC	Aug-Feb 2019	Started	
40	Training: volunteers, CBO's, leaders on RCCE to be actors in risk communication and behavior change		IFRC/DRC RC	Aug-Feb 2019	Started	
41	FGD, community meetings; radio shows		IFRC/DRC RC	Aug-Feb 2019	Started	
42	engaging the minority group through outreach activities		IFRC/DRC RC	Aug-Feb 2019	Started	
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	A	B	C	D	E
1	USAID preparedness activity alignment				
2	Preparedness Strategic pillar	Activities	Geographic focus	Responsible partner and sub-partners	Start-end date
3	1. Coordination strenghtening				
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8	2. Surveillance and Rapid response team				
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13	3. Infection prevention and control (facilities, communities)	<b>Communities and schools:</b> set up temperature control and hand wash stations in key public spaces	Ituri, Nord Kivu, Sud-Kivu,	UNICEF/OXFAM	?
16		<b>Health facilities:</b> Equip possible ETC with WASH infrastructure, waste management, laser thermoters		UNICEF/OXFAM	?
17		<b>Training:</b> providers, school children and admnistration staff		UNICEF/OXFAM	?
18		<b>PPE:</b> procurement and distribution		FAO	
19				WHO	
20	4. Case management and isolation units readiness				
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25	5. Laboratory capacity assessment and strengthening			PREDICT	
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37	6. Point of entry capacity strengthening				
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**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 10/27/2018 5:19:42 AM (-07:00)  
**To:** "AOTR/Grant Manager Andrew Clements" <aclements@usaid.gov>  
**Cc:** predictmgt@usaid.gov; "Brian Bird" <bhbird@ucdavis.edu>; "Predict inbox" <predict@ucdavis.edu>; "Karen Saylor" <ksaylor@metabiota.com>  
**Subject:** Re: Preparedness alignment exercise

Noted. We have been making that point & only sharing what we had left on hand out of desperation from our partners,  
Thanks,  
Jonna

On Fri, Oct 26, 2018 at 2:42 PM Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Also, I saw Predict's name next to PPE supply and distribution on the list from the Mission.

That does not seem to be an appropriate function for Predict given our major PPE investment in WHO.

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On Oct 26, 2018, at 11:20 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Attachment

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Hi Andrew & DC team,

I think Andrew may be off, so I wanted to see if we could get some input ASAP on this DRC request.

See below & this follow-up from Karen:

"Here are some items we think we could offer as support contributions:

- Sample storage (space)
- Training on sample handling and extraction
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Jean Felly seems to want to respond by today, so please let us know if you approve this approach.

Thanks in advance,  
Jonna (for the team)

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It appears we are now being asked to take a larger role and to assume some responsibilities for the outbreak. How would you like us to proceed?

Looking forward to your thoughts and suggestions.

Let me know if you want to do a call,  
Jonna

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

From: **Karen Saylor** <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>  
Date: Wed, Oct 24, 2018 at 5:03 PM  
Subject: Fwd: Preparedness alignment exercise  
To: Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>  
Cc: Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>

Hi Liz and Jonna.

For your visibility, we got this request from the DRC Mission and they're requesting that we take on some preparedness activities. We'd really only be able to take on some non-monetary support roles since our budget is tight, but please let us know if you have suggestions.

Thanks,  
Karen

Begin forwarded message:

**From:** Charles Kumakamba <[ckumakamba@metabiota.com](mailto:ckumakamba@metabiota.com)>  
**Subject:** Fwd: Preparedness alignment exercise  
**Date:** October 23, 2018 at 4:18:08 AM PDT  
**To:** Karen Saylor <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>, David McIver <[dmciver@metabiota.com](mailto:dmciver@metabiota.com)>, Mat Lebreton <REDACTED>, Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>, Christian Lange <[clangelange@metabiota.com](mailto:clangelange@metabiota.com)>, Amethyst Gillis <[agillis@metabiota.com](mailto:agillis@metabiota.com)>, Dana Ellis <[dellis@metabiota.com](mailto:dellis@metabiota.com)>

Hi Karen,

Please find attached the outbreak preparedness plan that I just received from USAID local mission . They're asking us to choose some activities on which PREDICT could be responsible. The local mission suggested some activities in red in the file .

Best,  
Charles

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

From: **Jean-Felly Numbi** <[jnumbi@usaid.gov](mailto:jnumbi@usaid.gov)>  
Date: Tue, Oct 23, 2018 at 10:39 AM  
Subject: Fwd: Preparedness alignment exercise  
To: Charles Kumakamba <[ckumakamba@metabiota.com](mailto:ckumakamba@metabiota.com)>

Bonjour Charles,

Voici le document du plan de préparation/Preparedness du Ministère de la santé à court terme 3 mois seulement Ebola dan 6 provinces (Sud-Kivu, Maniema, Tanganyika, Tshopo, Ituri, Haut-Uelé ) et moyen termes 12 mois pour tout le pays seulement pour les épidémies. Prière aligner Predict sous les activités que vous pouvez faire.

Pour la question des casquettes, j'attends la réponse du service concerné.

Merci.

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

From: **Mbayi Kangudie** <[mkangudie@usaid.gov](mailto:mkangudie@usaid.gov)>

Date: Tue, Oct 23, 2018 at 10:29 AM

Subject: Preparedness alignment exercise

To: Jean-Felly Numbi <[jnumbi@usaid.gov](mailto:jnumbi@usaid.gov)>

Dear Jean-Felly,

Herein attached the updated version. Please use this version to request PREDICT preparedness activities under each of the component. Let's think immediate, medium and long term.

Best,

*Dr Mbayi Kangudie, MD, MPH*  
**Senior Health Advisor**

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT - WEST AFRICA

**REDACTED**

*We Partner with West Africans to Achieve Peace and Prosperity*  
*Partenaires pour la Paix et la Prospérité en Afrique de l'Ouest*

*"The Lord will turn your shame into glory"*

--

**Jean-Felly Numbi**

USAID-DRC TB& Infectious Disease Advisor

Office Phone #: **REDACTED**

Cellular Phone #: **REDACTED**

<USAID preparedness Activity alignment (1).xlsx>

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 11/08/2018 8:16:09 PM (-08:00)  
**To:** "Amanda Fine" <[REDACTED]>; "Woutrina Smith" <wasmith@ucdavis.edu>; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Billy Karesh" <karesh@ecohealthalliance.org>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Leilani Francisco" <francisco@ecohealthalliance.org>; "Karen Saylor" <ksaylor@metabiota.com>  
**Cc:** "AOTR/Grant Manager Andrew Clements" <aclements@usaid.gov>; "Predict inbox" <predict@ucdavis.edu>; "Brooke Genovese" <bgenovese@ucdavis.edu>; [REDACTED]; "Alison Andre" <andre@ecohealthalliance.org>  
**Subject:** Re: ABSTRACTS: 2019 GHS Conference, Sydney, Australia, June 18-20, 2019  
**Attachments:** MAZET PREDICT GHSA 2019 Abstract v2.docx

Thanks to you all for comments.  
For your records, attached is the submitted abstract.  
Have a nice day,  
Jonna

On Thu, Nov 8, 2018 at 1:18 AM Fine, Amanda <[REDACTED]> wrote:  
Dear Jonna and All,

I think it will be great to have a PREDICT presentation at the GHSA conference and fully support the submission of the abstract. The latest version of the abstract reads very well (no edits to suggest---the advantage of coming in late!) and I really like the title Woutrina has suggested.

I would be happy to be a co-author, representing WCS, but if numbers are limited inclusion as part of the PREDICT consortium is fine.

All the best,  
Amanda

Amanda E. Fine, VMD, PhD  
Wildlife Health Program Associate Director - Asia  
Wildlife Conservation Society (WCS)

**REDACTED**

**From:** Christine Kreuder Johnson <[ckjohnson@UCDAVIS.EDU](mailto:ckjohnson@UCDAVIS.EDU)>  
**Sent:** Thursday, November 8, 2018 9:40:39 AM  
**To:** Woutrina A Smith; Jonna Mazet  
**Cc:** William B. Karesh; Andrew Clements; Tracey Goldstein; [sja2127@cumc.columbia.edu](mailto:sja2127@cumc.columbia.edu); Peter Daszak; Leilani Francisco; David John Wolking; Brian H Bird; Elizabeth Leasure; Karen Saylor; Suzan Murray; Fine, Amanda; predict Sympa List; Brooke Genovese; [REDACTED]  
**Subject:** Re: ABSTRACTS: 2019 GHS Conference, Sydney, Australia, June 18-20, 2019

Thanks for representing Jonna,  
Couple edits on latest version for consideration. Excellent title suggestion below.  
/ckj

On 11/7/18, 2:19 PM, "Woutrina A Smith" <[wasmith@ucdavis.edu](mailto:wasmith@ucdavis.edu)> wrote:

Thanks very much for pulling this abstract together Jonna, and yes it would be great to have a presentation at the GHSA Conference representing PREDICT. Title possibility: The front lines of spillover - PREDICT strengthens One Health surveillance to promote global health security. Cheers, Woutrina

> On Nov 7, 2018, at 2:04 PM, William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:

>

> Very nice, honored to be involved.

>

> A few suggested edits on the attached to link to GHS theme, same for suggested title: Enabling EID Risk Reduction, Detection and Reporting

>

>

> BK

>

>

>

>

> <MAZET PREDICT GHSA 2019 Abstract BK.docx>

## **The front lines of spillover – PREDICT enables emerging threat risk reduction, detection, and reporting to promote global health security**

### **Introduction**

The GHSA prioritizes the need for integrated animal and public health sector capacity strengthening to combat zoonotic diseases.

### **Context and Aim**

PREDICT, a transdisciplinary team supported by USAID, developed a broad viral surveillance approach aimed at preventing or reducing pathogen spillover, amplification, and spread.

### **Method/Findings**

By collecting ecological and behavioral data and analyzing biological samples, teams detected more than 200 known viruses and discovered approximately 1,000 new viruses, enabling risk assessments to inform mitigation strategies and advancing One Health capacity in more than 30 countries.

### **Innovative Contribution**

Focusing our work where environments, human activities, and market systems are changing in ways that are conducive to viral spillover, we enabled partner countries to locate highest-risk exposure interfaces; detect and better characterize viruses to understand if they have epidemic and pandemic potential; identify animal reservoirs and hosts of viruses; ascertain the potential for virus-spillover into amplification hosts, such as livestock and companion animals; gain a greater understanding of high-risk human behavioral activities; improve disease surveillance and laboratory capacities through workforce development in line with Global Health Security Agenda priorities; and efficiently design intervention strategies that target zoonotic disease emergence, amplification, and spread while also promoting wildlife and natural resource conservation.

**From:** predict-request@ucdavis.edu on behalf of "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 11/21/2018 10:08:43 AM (-08:00)  
**To:** [REDACTED]  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "predict-outbreak Sympa List" <predict-outbreak@ucdavis.edu>; "predict Sympa List" <predict@ucdavis.edu>  
**Subject:** Re: [predict] Update DRC Ebola North Kivu outbreak 19 Nov 2018

Thanks, Eri.

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

On Nov 21, 2018, at 5:11 PM, [REDACTED] > wrote:

Hi everyone,

Here are the Ebola outbreak report and SitRep for the week of Nov 19.

Unfortunately, the Ebola response in Beni was suspended for one day on Nov 17 after an armed group (the Allied Democratic Forces militia) attacked the local EOC and hotels of several response teams. On Nov 18, response activities were relaunched, including vaccination. The current total is 373 cases and 216 deaths (39 and 10 more than last week, respectively). Details in the report.

Best wishes,

[REDACTED]

[REDACTED]

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

--

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](mailto:predictmgt+unsubscribe@usaid.gov).

To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/SN6PR08MB4141C65ABD7FD2A2C843046CA3DA0%40SN6PR08MB4141.namprd08.prod.outlook.com>.

<SITREP Nord Kivu 91\_20181118\_Final.pdf>

<PREDICT DRC Ebola North Kivu Outbreak Report19\_November\_2018.pdf>

**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 11/26/2018 8:04:53 AM (-08:00)  
**To:** "Kevin Olival" <olival@ecohealthalliance.org>; "Alison Andre" <andre@ecohealthalliance.org>; "Padmaja Shetty" <pshetty@usaid.gov>  
**Cc:** "Ava Sullivan" <sullivan@ecohealthalliance.org>; "Alisa Pereira" <apereira@usaid.gov>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Amalhin Shek" <ashek@usaid.gov>; "Andrew Clements" <AClements@usaid.gov>; "Cara Chrisman" <cchrisman@usaid.gov>; "Luke Hamel" <hamel@ecohealthalliance.org>  
**Subject:** RE: Jonna & Peter -- introduction of Padmaja and request for your input

Hi Padma – it would be good to take part in the meeting, but I don't think we'll really have time to sit down and discuss M&A in detail – the agenda's super-packed, and there's not much time for an off-site.

I think it would be much better to plan to come up on Dec 5<sup>th</sup> as planned so we can go through M&A work in detail. If you want to come up this week as well, that would be great because you can get a good overview of the PREDICT project in general.

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474

Website: [www.ecohealthalliance.org](http://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:** Kevin Olival [mailto:olival@ecohealthalliance.org]  
**Sent:** Tuesday, November 20, 2018 12:16 PM  
**To:** Alison Andre; Padmaja Shetty  
**Cc:** Ava Sullivan; Peter Daszak; Alisa Pereira; Jonna Mazet; Amalhin Shek; Andrew Clements; Cara Chrisman; Luke Hamel  
**Subject:** Re: Jonna & Peter -- introduction of Padmaja and request for your input

Thanks Alison.

Padma, I'm looking forward to meeting up and discussing PREDICT Modeling & Analytics.

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 Nov 20, 2018, at 9:51 AM, Alison Andre <[andre@ecohealthalliance.org](mailto:andre@ecohealthalliance.org)> wrote:

Hi Padma,

That would work great. Copying in Kevin Olival who will be attending the meeting and we'll look at the agenda to see when would be a good time to meet.

Best,  
Alison

---

**From:** Padmaja Shetty <[pshetty@usaid.gov](mailto:pshetty@usaid.gov)>  
**Date:** Monday, November 19, 2018 at 12:06 PM  
**To:** Alison Andre <[andre@ecohealthalliance.org](mailto:andre@ecohealthalliance.org)>  
**Cc:** Ava Sullivan <[sullivan@ecohealthalliance.org](mailto:sullivan@ecohealthalliance.org)>, Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>, Alisa Pereira <[apereira@usaid.gov](mailto:apereira@usaid.gov)>, "jkmazet@ucdavis.edu" <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Amalhin Shek <[ashkek@usaid.gov](mailto:ashkek@usaid.gov)>, Andrew Clements <[AClements@usaid.gov](mailto:AClements@usaid.gov)>, Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>  
**Subject:** Re: Jonna & Peter -- introduction of Padmaja and request for your input

Hi Alison -

Alisa just reminded me that the PREDICT project meeting is next week in NYC. I'm wondering if it makes sense to tag on my planned meeting with the modeling and analytics team to one of those days. That way I can get a better understanding of the work that PREDICT is doing overall, including the modeling, for context and then followup with a more focused side-meeting with the modeling and analytics team. Let me know if that works better for you all.

Thanks  
Padma

On Thu, Nov 1, 2018 at 3:11 PM Alison Andre <[andre@ecohealthalliance.org](mailto:andre@ecohealthalliance.org)> wrote:

Hi Padma,

That's great to hear! We'll block off our calendars here for Wednesday, December 5<sup>th</sup> and I'll be in touch closer to the date.

Best,  
Alison

**Alison Andre**  
*Executive Assistant to the President*

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

1.212.380.4462 (direct)  
1.212.380.4465 (fax)  
[www.ecohealthalliance.org](http://www.ecohealthalliance.org)

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

---

**From:** Padmaja Shetty <[pshetty@usaid.gov](mailto:pshetty@usaid.gov)>  
**Date:** Thursday, November 1, 2018 at 2:38 PM  
**To:** Alison Andre <[andre@ecohealthalliance.org](mailto:andre@ecohealthalliance.org)>  
**Cc:** Ava Sullivan <[sullivan@ecohealthalliance.org](mailto:sullivan@ecohealthalliance.org)>, Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>, Alisa Pereira <[apereira@usaid.gov](mailto:apereira@usaid.gov)>, "jkmazet@ucdavis.edu" <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Amalhin Shek <[ashek@usaid.gov](mailto:ashek@usaid.gov)>, Andrew Clements <[AClements@usaid.gov](mailto:AClements@usaid.gov)>, Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>  
**Subject:** Re: Jonna & Peter -- introduction of Padmaja and request for your input

Hi Alison -

I could make any of the three proposed dates work. If Wednesday, December 5 is best for the team lets go with that.

Thanks to everyone for accommodating my visit.

Dr. Padma Shetty  
Emerging Threats Division  
Office of Infectious Disease, Bureau for Global Health  
U.S. Agency for International Development  
Phone: 571-551-7140 (O) [REDACTED] (M)  
Email: [pshetty@usaid.gov](mailto:pshetty@usaid.gov)

On Wed, Oct 31, 2018 at 3:06 PM Alison Andre <[andre@ecohealthalliance.org](mailto:andre@ecohealthalliance.org)> wrote:

Dear Padma,

Apologies for the delay in reply. We've checked calendars here and Wednesday, December 5<sup>th</sup> would be a great date for you to visit. If the 5<sup>th</sup> doesn't work with your schedule, December 6<sup>th</sup> and December 7<sup>th</sup> would also be good options. You could take a train from DC in the morning and have lunch and meet with some of our M&A team for a couple of hours.

Please let us know if one of these dates would work well for you.

Best,  
Alison

**Alison Andre**  
*Executive Assistant to the President*

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

1.212.380.4462 (direct)  
1.212.380.4465 (fax)  
[www.ecohealthalliance.org](http://www.ecohealthalliance.org)

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

---

**From:** Ava Sullivan <[sullivan@ecohealthalliance.org](mailto:sullivan@ecohealthalliance.org)>  
**Date:** Tuesday, October 30, 2018 at 3:17 PM  
**To:** Padmaja Shetty <[pshetty@usaid.gov](mailto:pshetty@usaid.gov)>  
**Cc:** Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>, Alisa Pereira <[apereira@usaid.gov](mailto:apereira@usaid.gov)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Amalhin Shek <[ashek@usaid.gov](mailto:ashek@usaid.gov)>, Andrew Clements <[AClements@usaid.gov](mailto:AClements@usaid.gov)>, Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>, Alison Andre <[andre@ecohealthalliance.org](mailto:andre@ecohealthalliance.org)>  
**Subject:** Re: Jonna & Peter -- introduction of Padmaja and request for your input

Hi Padma,

Thanks for the message. We are working out some potential available dates that avoid travel schedules and the upcoming holiday season.

Best,  
Ava

On Oct 25, 2018, at 3:47 PM, Padmaja Shetty <[pshetty@usaid.gov](mailto:pshetty@usaid.gov)> wrote:

Hi Peter -

We did meet briefly at the Smithsonian event a few weeks ago. Thanks for suggesting a visit with the Modeling and Analytics team. Great idea and I would appreciate the opportunity to spend some time with the team to better understand the modeling work and potential to inform some of the discussions we have been having with regards to the interface of NCDs and emerging infections.

Alison and Ava - Please let me know what is convenient for the team and I can be flexible.

Thanks,

Padma

Dr. Padma Shetty

Emerging Threats Division  
Office of Infectious Disease, Bureau for Global Health  
Phone: 571-551-7140 (O) [REDACTED] (M)  
Email: [pshetty@usaid.gov](mailto:pshetty@usaid.gov)

On Thu, Oct 25, 2018 at 1:23 PM Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> wrote:

Hi Padma – Good to hear from you again (I think we met recently at USAID). One idea would be for you to pop up here to NYC for a day to meet with the PREDICT Modeling & Analytics team to talk about your interests and hear what we've been working on.

I'm cc'ing Alison Andre and Ava Sullivan who can work with you on a potential date to make sure the right people are here in the office.

Look forward to seeing you...

Cheers,

Peter

**Peter Daszak**  
*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474  
[www.ecohealthalliance.org](http://www.ecohealthalliance.org)  
[@PeterDaszak](mailto:@PeterDaszak)  
[@EcoHealthNYC](mailto:@EcoHealthNYC)

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**From:** Alisa Pereira [mailto:[apereira@usaid.gov](mailto:apereira@usaid.gov)]  
**Sent:** Monday, October 15, 2018 9:36 AM  
**To:** Jonna Mazet; Peter Daszak; Amalhin Shek; Andrew (GH/HIDN) Clements; Cara Chrisman; Padmaja Shetty  
**Subject:** Jonna & Peter -- introduction of Padmaja and request for your input

Jonna and Peter,

I think we may have mentioned that we have a new Foreign Service Officer (FSO) on our team, Padmaja Shetty. She is on a unique technical track within the program which offers her the freedom to explore and advance research without the burden of management of people or

projects! Dennis has been talking with Padmaja about different ideas to pursue, and the one that seems to be bubbling to the surface is the role of non-communicable diseases in emerging threats. I will let her describe it more fully, but we wanted to put her in touch with both of you to discuss the idea, data you may have over the last 10 years of PREDICT, and how modeling may be used.

Padmaja is copied on this message, so I will let her take it from here, but wanted to give a brief introduction for context.

Thanks!  
Alisa

**Alisa Pereira, Senior Public Health Advisor**

USAID, Contractor

Bureau for Global Health, Office of Infectious Disease, Emerging Threats Division

2100 Crystal Drive, CP3-0001, Arlington, VA 22202

Phone:202-997-9966

Email: [apereira@usaid.gov](mailto:apereira@usaid.gov)

*GHSI-III - Social Solutions International, Inc. prime contractor*

---

**Ava Sullivan**

PREDICT-2 Program Assistant

Country Liaison, India

PREDICT Operations Team

EcoHealth Alliance

460 West 34th Street – 17th floor

New York, NY 10001

646-868-4705 (direct)

**REDACTED (mobile) recently updated**

[ava.lee.sullivan](skype://ava.lee.sullivan) (skype)

[www.ecohealthalliance.org](http://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.**

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 12/05/2018 10:11:01 AM (-08:00)  
**To:** "AOTR/Grant Manager Andrew Clements" <AClements@usaid.gov>  
**Subject:** Brian & Jonna edits from yesterday  
**Attachments:** 20180412 DRAFT Cable Marburg Virus\_UCD.docx

See attached & thanks for your help,  
Jonna

**DRAFT CONFIDENTIAL CABLE: Marburg virus identified in fruit bats in Sierra Leone before recognized human disease**

(U) The discovery was part of the USAID PREDICT Ebola Host Project (EHP), as part of the Global Health Security Agenda (GHSA) program in Sierra Leone. The Ebola Host Project is being conducted in Guinea, Liberia, and Sierra Leone to better understand the animal reservoirs, seasonality, and transmission of viruses which can cause epidemic diseases.

(U) Simultaneously with the PREDICT detection of Marburg virus in Sierra Leone, the US CDC team has also identified Marburg virus in bats in the country. Therefore, communications with the Government of Sierra Leone (GoSL) should likely be best managed jointly.

(U) Marburg virus (MARV) causes Marburg Virus Disease (MVD) in humans and nonhuman primates, which is a form of viral hemorrhagic fever. The virus is considered to be highly pathogenic. WHO lists MVD and EVD among diseases that pose a public health emergency because of their epidemic potential for which there are no, or insufficient, countermeasures and the absence of efficacious treatment and/or vaccines.

(U) An important goal of the Ebola Host Project (EHP) is to discover viruses in animals that potentially pose a threat to human public health in order to inform the government and communities of the health risks in their region to allow choices for prevention and preparedness to be made prior to disease emergencies. The detection of the Marburg virus confirms that these viruses are circulating in fruit bat populations in two distinct regions of Sierra Leone and likely more broadly in West Africa. This particular bat species is very common and found across most of Sub-Saharan Africa and is known as the primary reservoir of Marburg virus in East and Southern Africa.

(U) This discovery is the first time that Marburg virus has been detected in any country west of Gabon. Preliminary laboratory analyses indicate these two detected viruses are most closely related genetically to strains of Marburg virus that were detected during a human outbreak in 1999 in the Democratic Republic of the Congo, and in 2005 in Angola. Identifying MARV in this region in advance of recognized human disease facilitates the health system to be prepared to control any future outbreaks and also allows clinicians to include MVD in their differential diagnoses for undiagnosed fevers and hemorrhagic disease.

(U) To date, no human outbreaks of MVD have been detected outside of Eastern and Southern Africa. This new finding suggests that Marburg virus and the associated human health risks are present throughout the natural geographic range of these bat hosts, which are found throughout West Africa.

(U) The U.S. Government continues to provide technical support to the GoSL to advance the Global Health Security Agenda (GHSA) to strengthen Sierra Leone's Global Health Security capacity to prevent, detect and respond to infectious disease and public health crises, including developing testing capacity for the Marburg virus at the Central Veterinary Laboratory at Teko and Central Public Health Laboratory.

(U) Ministry of Agriculture and Forestry (MAF), Ministry of Health and Sanitation (MOHS), WHO and partners will conduct an assessment of the Sierra Leone National Action Plan for Health Security, ensuring that standard operating procedures and guidelines for preparedness, control and response include MVD.

This discovery has the potential to cause panic if communications are not managed carefully due to the traumatic experience with the West Africa Ebola outbreak and that this finding is coming immediately after the discovery of the new species of ebolavirus (Bombali virus). USAID and CDC have been supporting the GoSL to prepare and disseminate contextually appropriate health messages as part of efforts to engage communities around the discovery of the Bombali Ebola virus, and will continue. A social and behavior change communication (SBCC) booklet on *Living Safely with Animals* has been developed by GHSA partners to use in communities to teach how to mitigate risks from zoonotic infectious diseases, such as Ebola. Community engagement around this discovery is particularly important and potentially challenging given that these bats are co-located in the immediate environment of people; and killing the bats may result in increased exposure to the virus.

This discovery is evidence of the strong partnership between the United States and the GoSL, but also shows Sierra Leone's progress in helping to create a world safe and secure from infectious disease threats and advancing the global health security in advance and hopefully instead of during emergency situations.

(U) The PREDICT Sierra Leone team, implemented by University of California, Davis and working with the University of Makeni and GoSL ministry partners, have discovered the presence of Marburg virus (a filovirus related to ebolaviruses) in Sierra Leone. The virus was detected by PREDICT in a total of two fruit-eating bats (Egyptian rosette bats, *Rousettus aegyptiacus*) in two separate districts of the country (Koinadugu and Kono). These bats were sampled in December of 2017, and ongoing testing of these bats recently revealed the presence of the virus. Egyptian fruit bats are found commonly throughout most of continental Africa and prefer roosting environments, such as caves and subterranean mines, where they can exist in large colonies of animals often exceeding 50,000 animals. Marburg virus first discovered in 1967, causes sporadic outbreaks of severe, often fatal disease in humans. MARV is a member of the family *Filoviridae*, a growing virus family that includes Ebola virus and the newly discovered Bombali virus. There have been 13 known Marburg virus disease (MVD) outbreaks, most recently in 2017 in Uganda. The overall discovery of MARV in Sierra Leone is not surprising and was expected, as the geographic ranges of Egyptian rosette bats (ERBs) extend to West Africa and cover parts of Liberia, Sierra Leone and Guinea. Although ERBs are clearly present in the region, there are no reports of large colonies of these bats like those found in East Africa. This is one possible explanation for the lack thus far of known human MVD outbreaks in Sierra Leone and West Africa. The discovery of this virus prior to Marburg virus disease being recognized in people, is a success story that Sierra Leone is taking proactive steps to be prepared to recognize and prevent potential epidemics and demonstrate the importance of the US Government and GHSA support to Sierra Leone, without which this discovery would not have been possible. End Summary.



**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 12/05/2018 12:56:24 PM (-08:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Re: Brian & Jonna edits from yesterday

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](mailto:aclements@usaid.gov)*

On Dec 5, 2018, at 7:11 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

See attached & thanks for your help,  
Jonna

<20180412 DRAFT Cable Marburg Virus\_UCD.docx>

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 12/07/2018 9:25:11 AM (-08:00)  
**To:** "Predict inbox" <predict@ucdavis.edu>; "Brian Bird" <bhbird@ucdavis.edu>  
**Subject:** Fwd: SL gov't officially briefed this morning  
**Attachments:** Summary report- Marburg virus in Sierra Leone bats-2.docx

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

**From:** **Jonna Mazet** <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>  
**Date:** Fri, Dec 7, 2018 at 9:24 AM  
**Subject:** Fwd: SL gov't officially briefed this morning  
**To:** PREDICTMGT <[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)>

FYI:

Our joint summary report has been more officially (in writing) shared with the Government of Sierra Leone.

Still not for public release, as the GoSL will manage that, but I wanted you to have the final draft of the briefer we prepared jointly with CDC for the government meetings.

Have a nice weekend,

Jonna

On Fri, Dec 7, 2018 at 7:10 AM Brian Bird <[bhbird@ucdavis.edu](mailto:bhbird@ucdavis.edu)> wrote:

Happy Friday!

I only have some WhatsApp messages about the meeting, but it went well it seems. James and Monica (US Mission) were present, Alusine came a bit late, but Njala was represented during the meeting too. A more complete report is forthcoming from James (I'll forward when I get it). Meeting was attended by Deputy Chief Medical officer and other reps from MoHS, the Ag folks deferred until Monday, but they are also aware.

It was requested that I send our joint two-page report directly up to our various MoHS and MAF contacts so that it's coming from both Dr. Lebbie and from us at the global lead level. I'm going to do that in a few.

Follow-ups that I'm aware of at least as of now:

Monday – briefing of Min of Ag folks Monday at 9AM in Youyi building.

Direct brief to Minister of Health at 10AM (likely at Youyi but may be at State House, if at State House, Dr. Lebbie and Alusine should wear a tie, since Pres. Bio's office is just one floor up...)

The ball is rolling...

-b

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](mailto:bhbird@ucdavis.edu)

Skype: brianhbird1

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

## **CONFIDENTIAL: Preliminary Report: Detection of Marburg virus in West African Rousette bats**

Brian R. Amman<sup>2</sup>, Ibrahim Bakarr<sup>1</sup>, Brian H. Bird<sup>3</sup>, James Bangura<sup>3,4</sup>, Emmanuel Amara<sup>4</sup>, Abdulai Bangura<sup>4</sup>, Aiah Gbakima<sup>5</sup>, Alexandre Tremeau-Brevard<sup>3</sup>, Manjunatha Belaganahalli<sup>3</sup>, Joseph Turay<sup>4</sup>, Alusine Koroma<sup>1</sup>, Amy J. Schuh<sup>2</sup>, Jonathan Johnny<sup>1</sup>, Tara K. Sealy<sup>2</sup>, Immah Conteh<sup>1</sup>, Ibrahim Foday<sup>1</sup>, Ketan Patel<sup>2</sup>, James Graziano<sup>2</sup>, Camilla Bangura<sup>1</sup>, Emmanuel Kamanda<sup>1</sup>, Augustus Osborne<sup>1</sup>, Emmanuel Saidu<sup>1</sup>, Jonathan Aruna<sup>1</sup>, Doris Bangura<sup>1</sup>, Maxwell Williams<sup>1</sup>, Richard Wadsworth<sup>1</sup>, Tracey Goldstein<sup>3</sup>, Jonna Mazet<sup>3</sup>, Stuart T. Nichol<sup>2</sup>, Jonathan S. Towner<sup>2\*</sup>, Aiah Lebbie<sup>1\*</sup>.

<sup>1</sup>Department of Biological Sciences, Njala University, Sierra Leone

<sup>2</sup>Viral Special Pathogens Branch, Centers for Disease Control and Prevention, GA, USA

<sup>3</sup>One Health Institute, School of Veterinary Medicine, University of California, Davis, USA

<sup>4</sup>University of Makeni, Sierra Leone

<sup>5</sup>Ministry of Higher and Technical Education, Sierra Leone

\*Corresponding authors

### **Key Facts and Findings**

- Marburg virus, a close relative of Ebola virus, was detected in five cave-dwelling fruit bats in Sierra Leone. These infected bats were presumptively identified as the Egyptian rousette bat (*Rousettus aegyptiacus*) and were caught at caves near Moyamba (three bats), Koinadugu (one bat), and Kono districts (one bat).
- *R. aegyptiacus* is a well-known Marburg virus natural reservoir in Uganda, DRC, Gabon and South Africa.
- Multiple strains of Marburg virus were found including the Angola strain, a lineage of virus that emerged at a Marburg virus outbreak in 2005 in Angola. This is the first time that the Angola strain has been detected in bats.
- The level of genetic diversity between the Marburg virus strains found in the bats is consistent with the virus being present in Sierra Leone for a long time.

### **Background**

Marburg virus (MARV), first discovered in 1967, causes sporadic outbreaks of severe, often fatal disease in humans. MARV is a member of the family *Filoviridae*, a growing virus family that includes Ebola virus and the newly discovered Bombali virus. There have been 13 known Marburg virus disease (MVD) outbreaks, most recently in 2017 in Uganda. The largest MVD outbreak occurred in 2005 in Uige, Angola, and caused 221 deaths out of 252 known cases, the highest case-fatality ratio (CFR: 90%) recorded for any large filovirus outbreak, including the Ebola virus outbreak in West Africa (41% CFR). The MVD outbreak in Angola is also the only known MARV spillover event on the west coast of Africa. All other known MVD outbreaks occurred in, or originated from, Uganda, eastern Democratic Republic of the Congo (DRC) or northern Zimbabwe.

Extensive field studies in Uganda, DRC, South Africa and Gabon, as well as experimental infection studies in captive bats in the US and South Africa, have collectively identified the cave-dwelling Egyptian rousette bat (*Rousettus aegyptiacus*) as a primary natural reservoir of MARV. This discovery is consistent with the origins of MVD outbreaks that, when known, have been linked to caves or mines, most often spilling over into miners who work underground with Egyptian rousette bats (ERBs) and

occasionally tourists who view ERBs in national parks. The virus is shed from infected bats into the environment primarily in saliva and urine, and can persist for weeks in various bat tissues, mostly liver, spleen and lymph node.

In equatorial Africa, ERBs can live in very large and dense colonies (>100,000 bats) and breed twice a year, producing thousands of juvenile bats every six months. Field studies in Uganda showed 2-3% of all ERBs to be actively infected with the prevalence of MARV infection spiking twice yearly, up to 12%, in juvenile bats. These same seasonal spikes are closely associated with increases in human exposure risk and coincide with >84% of all known MARV spillover events.

Since 2007, over 70 distinct MARV genomic sequences and 21 virus isolates have been obtained directly from ERBs, representing every major MARV strain found in MVD outbreaks since 1967 except the Angola strain from 2005. MARV has also been detected in DRC and Uganda in insectivorous bats cohabitating with ERBs. In Gabon, MARV was detected multiple times from 2006-2009 in ERBs despite that country never experiencing any known human MVD outbreaks.

Despite the linkage of ERBs to human MVD outbreaks, attempts to mitigate risk through bat extermination have been counterproductive and led to increases in potential virus exposure. In one example, a Ugandan gold mine was sealed and more than 100,000 ERBs destroyed. Over the following two years, the bats returned and the prevalence of MARV infection more than doubled. Within a year of the ERB repopulation, the largest human MVD outbreak in Ugandan history began in the surrounding area. While no direct linkage was made between the bat extermination efforts and the subsequent human outbreak, it is clear that destroying bat populations can lead to increased human health risks and thus should be avoided as a control measure.

## **Results and Discussion**

MARV was detected by real-time RT-PCR or consensus RT-PCR in five cave-dwelling fruit bats caught in Moyamba, Koinadugu and Kono districts. The work was conducted independently by two teams, one led by Njala University and the US Centers for Disease Control and Prevention (CDC) and the other led by the University of California, Davis and the University of Makeni PREDICT team which was funded by USAID.

In the areas where positive bats were identified, a total of 681 bats were caught and sampled with 167 bats from Moyamba, 243 from Kono and 271 from Koinadugu districts. Laboratory testing is still ongoing, but thus far, a total of five bats have been identified as positive for MARV. Liver, spleen, blood, lymph node, and oral swabs were taken from bats caught at Moyamba (Njala/CDC) while blood, oral and rectal swabs were taken from bats caught in Koinadugu and Kono districts (PREDICT). Samples that tested positive for MARV are listed in Table 1 and include liver, spleen, lymph node, blood and oral swabs.

All MARV-infected bats were presumptively identified as ERBs. Interviews by bat surveillance teams of local villagers near the caves in Moyamba, Koinadugu, and Kono districts indicate that these bats are hunted regularly for food.

These data are the first definitive evidence of MARV circulation in West Africa and the first report of the MARV Angolan strain since 2005. Preliminary analyses show that three ERBs were infected with

MARV strains most closely related genetically to ones previously found in ERBs caught in Gabon, and one bat was positive for a strain more closely related to MARV from the Democratic Republic of the Congo (DRC). MARV sequence has not yet been determined from one bat. The overall MARV genetic diversity present in Sierra Leone ERBs is consistent with MARV being present in these bat populations for a long time. The overall discovery of MARV in Sierra Leone is not surprising and was expected as the geographic ranges of ERBs extend to West Africa and cover parts of Liberia, Sierra Leone and Guinea. Although Egyptian rousette bats are clearly present in the region, there are no reports of large colonies of these bats like those found in East Africa. This is one possible explanation for the lack thus far of known human MVD outbreaks in Sierra Leone and West Africa.

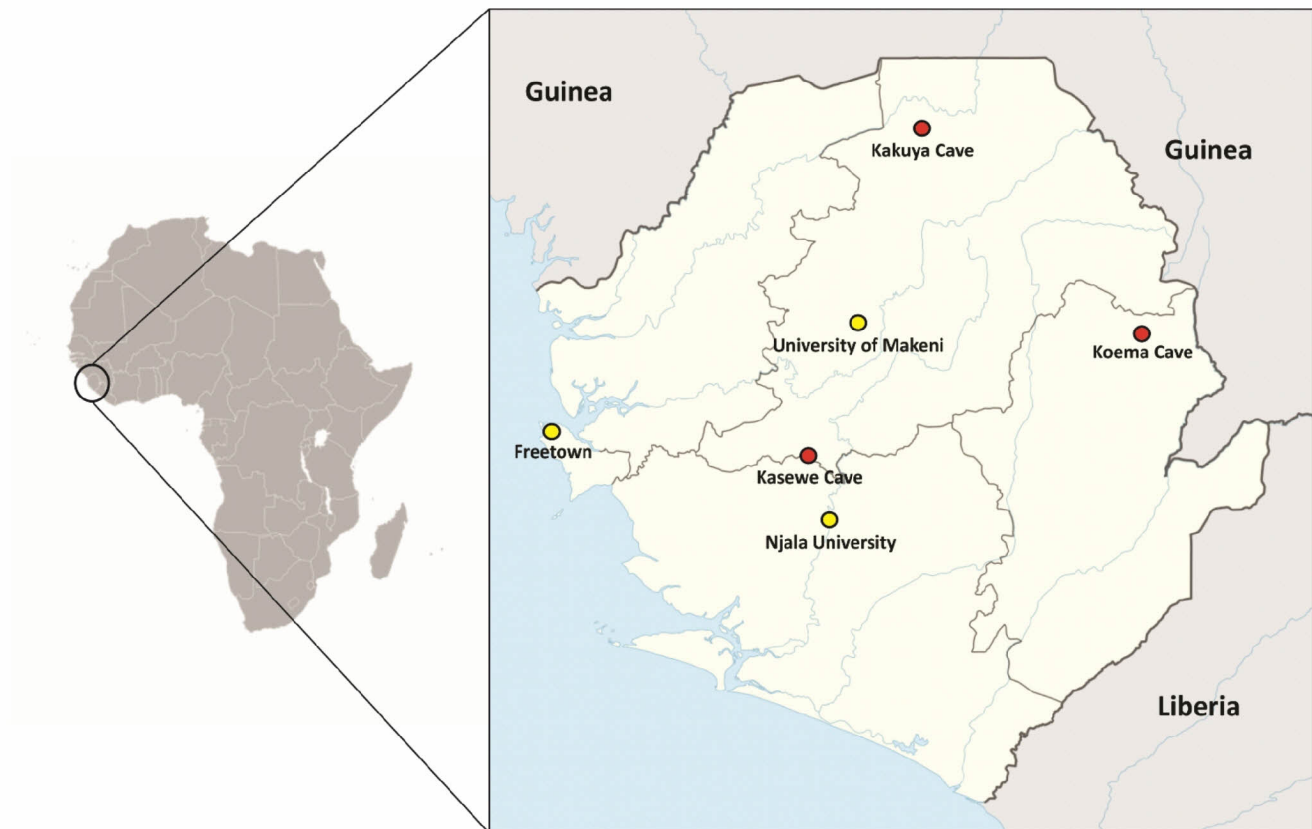
Collection	Location - District	Bat No.	Species	Sex	Status	Specimen type	MARV sequence?
Oct 2017	Kasewe - Moyamba	343	<i>R. aegyptiacus</i>	M	Juvenile	Lymph node	yes
Oct 2017	Kasewe - Moyamba	345	<i>R. aegyptiacus</i>	M	Juvenile	Liver/Spleen	yes
Oct 2017	Kasewe - Moyamba	417	<i>R. aegyptiacus</i>	F	Juvenile	Lymph node	no
Dec 2017	Kakoya – Koinadugu	3960	<i>R. aegyptiacus</i>	F	Juvenile	Oral swab, Blood	yes
Dec 2017	Koema-Kono	4104	<i>R. aegyptiacus</i>	F	Juvenile	Oral swab	yes

### Implications and recommendations

- MARV actively circulates in Sierra Leone, an expected virus discovery consistent with Egyptian rousette bats (ERBs) being present across East, Central, and West Africa.
- Because ERBs and related bats live in Guinea and Liberia, MARV likely also circulates there.
- This virus discovery occurred prior to Marburg virus disease being recognized in people, and is a success story that Sierra Leone is taking proactive steps to be prepared to recognize and prevent potential epidemics.
- Health care providers at hospitals and clinics should be informed of MARV in Sierra Leone so that MVD is considered in patients presenting with symptoms consistent with hemorrhagic fever.
- Laboratories conducting Ebola and Lassa testing should include Marburg in their testing algorithm.
- Hunting of cave-dwelling fruit bats poses significant risk of contracting MVD through direct bat contact and therefore sensitization of local communities about these risks should be initiated in partnership with key government line ministries (health, agriculture, and local government).
- Utilization of caves for shelter, cultural ceremonies or working in caves (miners) inhabited by bats poses significant risk of contracting MVD, and therefore sensitization of local communities and miners to MVD risks should be initiated.
- Mining companies utilizing underground shafts should be advised by the Ministry of Mines and Mineral Resources to actively and permanently exclude bats through non-destructive measures.

- Because MARV is shed in bat saliva and fruit bats like ERBs are known to test-bite, urinate and defecate on fruit potentially harvested for human consumption, villagers (and particularly young children) should be advised to not consume partially eaten fruit and to wash fruit in general before eating.
- Extermination of cave-dwelling fruit bats should not be attempted. Bats will eventually repopulate old roosts, eventually bringing MARV and other potential pathogens with them and perhaps at increased levels.
- Fruit bats are extremely important environmentally for carrying out important ecological services such as seed dispersal and plant pollination across Africa including agriculturally important crops.

Locations of Marburg virus positive bats (red circles).



**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 12/07/2018 9:45:29 AM (-08:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>  
**Subject:** Re: SL gov't officially briefed this morning

Thanks, Jonna.

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

On Dec 7, 2018, at 6:24 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

FYI:

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Jonna

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It was requested that I send our joint two-page report directly up to our various MoHS and MAF contacts so that it's coming from both Dr. Lebbie and from us at the global lead level. I'm going to do that in a few.

Follow-ups that I'm aware of at least as of now:



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Direct brief to Minister of Health at 10AM (likely at Youyi but may be at State House, if at State House, Dr. Lebbie and Alusine should wear a tie, since Pres. Bio's office is just one floor up...)

The ball is rolling...

-b

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](mailto:bhbird@ucdavis.edu)

Skype: brianhbird1

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

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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](mailto:predictmgt+unsubscribe@usaid.gov).

To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/CAO5tDrG7RWLuK2RDg22cwUuNrEYObyrw6mb-NP0x2gBb40AYgg%40mail.gmail.com>.

<Summary report- Marburg virus in Sierra Leone bats-2.docx>

**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 01/16/2019 12:47:04 PM (-08:00)  
**To:** "Cara Chrisman" <cchrisman@usaid.gov>; "Dennis Carroll (DCarroll@usaid.gov)" <DCarroll@usaid.gov>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Eddy Rubin" <erubin@metabiota.com>; "Nathan Wolfe (nw@nathanwolfe.net)" <nw@nathanwolfe.net>  
**Cc:** [REDACTED] "Samtha Maher" <maher@ecohealthalliance.org>  
**Subject:** Won't be on the GVP call Thursday

Sorry everyone, but I've got a Board meeting all day here in NYC so can't join the call. Sam will be able to.

FYI – had a good call with Jennifer Gardy who is willing to join the GVP Board 'in principle' and will confirm once she's checked in with her new bosses at the Gates Foundation. She doesn't foresee any issues – they just need to clear it. BTW – Jennifer has a great background as a media-friendly scientist and has hosted TV documentaries and has a big following on Twitter. She's v. interested in helping the GVP with that aspect also, which could be extremely useful...

Cheers,

Peter

**Peter Daszak**  
*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474  
Website: [www.ecohealthalliance.org](http://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" <aclements@usaid.gov>  
**Sent:** 03/13/2019 7:14:19 AM (-07:00)  
**To:** "VonDobschuetz, Sophie (AGAH)" <[REDACTED]>  
**Cc:** [REDACTED]; "William Karesh" <Karesh@ecohealthalliance.org>; "dawson@ecohealthalliance.org" <dawson@ecohealthalliance.org>; [REDACTED]; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Dennis Carroll" <dcarroll@usaid.gov>; "Iparish@usaid.gov" <iparish@usaid.gov>; "Alisa Pereira" <apereira@usaid.gov>; "cchrisman@usaid.gov" <cchrisman@usaid.gov>; "rgreene@usaid.gov" <rgreene@usaid.gov>; "akibria@usaid.gov" <akibria@usaid.gov>; "pbright@usaid.gov" <pbright@usaid.gov>; "Lubroth, Juan (AGAH)" <[REDACTED]>; "Bebay, Charles (FAOKE)" <[REDACTED]>; "Makonnen, Yilma (AGAH)" <[REDACTED]>; "Lisa Kramer (Nairobi/EA/RHH)" <lkramer@usaid.gov>; "alongwagar@usaid.gov" <alongwagar@usaid.gov>; "athaiyah@usaid.gov" <athaiyah@usaid.gov>; "ElMasry, Ihab (AGAH)" <[REDACTED]>; "Wangila, Rinah (FAOKE)" <[REDACTED]>; "Tadesse, Zelalem (FAOKE)" <[REDACTED]>  
**Subject:** Re: OIE report: MERS in Kenya camels

Thanks for confirming, Sophie.

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

On Mar 13, 2019, at 3:04 PM, VonDobschuetz, Sophie (AGAH) <[REDACTED]> wrote:

Dear Andrew,

You are correct. Our MERS Focal Point Rinah in Kenya confirmed that part of these findings are from work supported by the EPT-2 MERS-CoV project that characterized and isolated the virus in Isiolo County; Dabel and Lombolio locations.

Best regards,  
Sophie

---

**From:** Andrew Clements [<mailto:aclements@usaid.gov>]  
**Sent:** 13 March 2019 14:13  
**To:** [REDACTED]; William Karesh <[Karesh@ecohealthalliance.org](mailto:Karesh@ecohealthalliance.org)>; [dawson@ecohealthalliance.org](mailto:dawson@ecohealthalliance.org); [REDACTED]; Christine Kreuder Johnson <[ckjohnson@ucdavis.edu](mailto:ckjohnson@ucdavis.edu)>; Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>; Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>; [iparish@usaid.gov](mailto:iparish@usaid.gov); Alisa Pereira <[apereira@usaid.gov](mailto:apereira@usaid.gov)>; [cchrisman@usaid.gov](mailto:cchrisman@usaid.gov); [rgreene@usaid.gov](mailto:rgreene@usaid.gov); [akibria@usaid.gov](mailto:akibria@usaid.gov); [pbright@usaid.gov](mailto:pbright@usaid.gov); VonDobschuetz, Sophie (AGAH) <[REDACTED]>; Lubroth, Juan (AGAH) <[REDACTED]>; Bebay, Charles (FAOKE) <[REDACTED]>; Makonnen, Yilma (AGAH) <[REDACTED]>; Lisa Kramer (Nairobi/EA/RHH) <[lkramer@usaid.gov](mailto:lkramer@usaid.gov)>; [alongwagar@usaid.gov](mailto:alongwagar@usaid.gov); [athaiyah@usaid.gov](mailto:athaiyah@usaid.gov)  
**Subject:** OIE report: MERS in Kenya camels

FYI. I assume this is work supported by FAO under EPT-2.

[http://www.oie.int/wahis\\_2/public/wahid.php/Reviewreport/Review?page\\_refer=MapFullEventReport&reportid=29718](http://www.oie.int/wahis_2/public/wahid.php/Reviewreport/Review?page_refer=MapFullEventReport&reportid=29718)

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 04/15/2019 11:29:20 PM (-07:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Alisa Pereira Emerging Threats Division" <apereira@usaid.gov>; "Cara J. Chrisman" <cchrisman@usaid.gov>; predict-outbreak@ucdavis.edu; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Prof. Jonna Mazet" <jkmazet@ucdavis.edu>; "Kirsten Gilardi" <kvgilardi@ucdavis.edu>  
**Subject:** Re: FYI: Speculative Ebola cases in Uganda

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](mailto:aclements@usaid.gov)*

On Apr 15, 2019, at 9:25 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi Andrew,

I've been monitoring a Tanzania-based WhatsApp chatroom (one we set up after our recent OH workshop that involved IDSR, port officers, and health professionals in the border areas of Uganda, Rwanda, and Burundi). This Tanzania group is sharing messages from colleagues in Uganda about Ebola cases there. According to the chats, so far there are 3 confirmed cases (2 in Kasese and 1 in Wakiso). There was an earlier message today about a mortality with reportedly confirmed test results and two family members now showing symptoms of disease.

Jonna asked me to share but to also keep this close, as of course these WhatsApp feeds are not official reporting channels. It would be ironic after the WHO's meeting late last week about the public health emergency of international concern status.

We'll keep sharing more info as we learn more or if news breaks officially.

Best,

David

**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 04/23/2019 3:33:00 PM (-07:00)  
**To:** "Andrew Clements" <AClements@usaid.gov>  
**Cc:** "Peter Daszak" <daszak@ecohealthalliance.org>; "PREDICTMGT" <predictmgt@usaid.gov>; "David Wolking" <djwolking@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Fwd: EIDITH and data and permissions (Oh my!)

here you go:

Begin forwarded message:

**From:** Kevin Olival <[olival@ecohealthalliance.org](mailto:olival@ecohealthalliance.org)>  
**Subject: Re: EIDITH and data and permissions (Oh my!)**  
**Date:** April 23, 2019 at 5:52:35 PM EDT  
**To:** "Tim Meinke PhD, MPH" <[tmeinke@usaid.gov](mailto:tmeinke@usaid.gov)>, Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>  
**Cc:** Alice Latinne <[latinne@ecohealthalliance.org](mailto:latinne@ecohealthalliance.org)>, Joko PAMUNGKAS <REDACTED>, <REDACTED>, Tina Kusumaningrum <REDACTED>, Dodi Safari <REDACTED>, Suryo SAPUTRO <REDACTED>, P&RMGT <[PRMGT@usaid.gov](mailto:PRMGT@usaid.gov)>, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>, "JAMES J. McGRANE" <REDACTED>, Luuk Schoonman <REDACTED>, Billy Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)>

Dear Tim,

First of all, apologize for not responding sooner to your latest reminder email. I think part of the confusion was that Peter Daszak actually replied on my behalf on March 7th (the day after you sent your original note), and it didn't come directly from me. Sorry about that! I'm pasting Peter's email again below, but hopefully if you dig deep in your inbox you can also find his original reply.

Just to add on to what Peter said below, I will add my own personal excitement and willingness to help our Indonesia partners with the issue of data analysis and risk mapping/assessment. I also am confident we can find a solution to successfully integrate and analyze the domestic animal data, together with wildlife, human, site, behavioral, and other data from the project. The timing is perfect actually, as all the testing is now complete and the data are (almost) all in EIDITH, we are really working through the process of getting countries involved in analyses and putting together a framework and products to assess risk. In fact, our global PREDICT consortium (core partners) are all gathering in Vancouver next week for our semi-annual meeting to further discuss some of these issues. I'll be sure to circle back after this meeting with any concrete next steps as relevant to Indonesia.

Best regards,  
Kevin

---

From Peter, March 7th, 2019:

Hi Tim,

Kevin forwarded your email to me and Billy. We're very happy to help out with this issue, including helping FAO analyze the data. It's not a disaster from that perspective that the data won't be in EIDITH, because we already download data from there via an R-package for our analyses, and we can do similar analyses with FAO data without it first being put in EIDITH.

We're also happy to work via workshops etc. to help train in-country people how to do these analyses. In fact, this is part of our PREDICT-2 extension proposed work that we're currently negotiating with USAID – both Risk Mapping and Assessment trainings and via One Health Policy workshops where our staff will help take the results of the analyses and help work out how to put them forwards in support of GHSA and national policy engagement needs.

It helps a great deal that this is coming from the Mission because it will help solidify the value of allowing us some work as an extension to PREDICT.

Cheers

Peter

**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)

REDACTED (mobile)

1.212.380.4465 (fax)

[www.ecohealthalliance.org](http://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.*

On Apr 15, 2019, at 5:56 AM, Timothy Meinke <[tmeinke@usaid.gov](mailto:tmeinke@usaid.gov)> wrote:

Hi again Kevin -

Just wanted to bump this urgent request up in your busy inbox.

FYI also that FAO will have its third batch of risk mapping next week involving the key ministries. Very interesting progress but the process of having everyone sitting at the table talking about risk has been hugely beneficial in itself! Still, some TA would always be welcome if you find yourself in our neighborhood.

- Tim

Sent from my iPhone

On Mar 6, 2019, at 11:14 PM, Timothy Meinke <[tmeinke@usaid.gov](mailto:tmeinke@usaid.gov)> wrote:

Hi Kevin -

Hope this finds you well, wherever that may be.

We had the pleasure of welcoming Alice to Jakarta this week and she and some colleagues are now off to Sulawesi for the last legs of the behavioral and other work. As usual, the Predict Indonesia team is doing amazing work and actively involved on a number of very productive fronts and working in close partnership with other members of the EPT2 family. Recognizing all that has been done, our hope is that the government will soon provide the necessary approvals so that the team can begin sharing the fruits of all these labors under EPT-1 and 2!

On that note, we wanted to reach out to you for some advice and potential help. Under the triangulated surveillance work, the Ministry of Agriculture is looking less and less likely to approve the uploading of FAO's data into the EIDITH system. With that, and while we are still trying, we need to have a Plan B in place which would entail doing the relevant analysis (looking across data at the phylogenetic trees, comparing sequences, etc) and quality assurance of the DIC data here in-country.

The question for you, therefore, is what would that entail and what support could PREDICT HQ provide to the in-country team to do that (or most of that) work? In discussions with the folks here, there is a strong sense that we have the in-country capacity to do this but would still need some support and guidance to make the maximal use of the triangulated surveillance data and coordinated program.

I'll leave it to others on this e-chain to chime in but wanted to ask this question as the clock is ticking very loudly and we need to be ready if MOA ultimately says no (or simply doesn't make a decision).

Thanks much for any and all guidance and advice. Tomorrow is Nyepi (Silent Day) here in Indonesia, so here's wishing everyone a bit of peace!

- Team Jakarta

P.s. our open invitation to Indonesia still stands, of course, including for risk-mapping input as that continues to move forward.

Sent from my iPhone



**From:** "Nicole R Gardner" <nrgardner@ucdavis.edu>  
**Sent:** 04/23/2019 4:46:33 PM (-07:00)  
**To:** "predict-surveillance Sympa List" <predict-surveillance@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "karesh@ecohealthalliance.org" <karesh@ecohealthalliance.org>; "machalaba@ecohealthalliance.org" <machalaba@ecohealthalliance.org>  
**Subject:** Surveillance Call Agenda - Thurs Apr 25  
**Attachments:** Surveillance Call 2019.04.11 NOTES.docx

Hi Surveillance Team,

Our next call will be **Thursday, April 25 at 10am PT / 1pm ET**. Please send any additional agenda items for the upcoming call. The notes from the April 11th call are attached.

### Agenda

- Semi-annual meeting panels
- Human Questionnaire Confidence Survey
- Data Cleaning: Self-Reported Lifetime & Past-Year Symptoms (Human Questionnaire Q29/Q31)
- Site Mapping and Concurrent Sampling Sites

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**REDACTED** US (New York)

Meeting ID: **REDACTED**

International numbers: **REDACTED**  
-----

Nicole

Nicole Gardner  
EID Operations Specialist  
One Health Institute  
University of California, Davis

## Apr 11, 2019 Surveillance Team Call

### Action Items and Reminders for next call:

1. Return Human Illness Module and Other Livelihoods extracts to IM team by April 19<sup>th</sup>.

**Participants:** Ava Sullivan, Brad Ryan, Bridgette Smith, Christian Lange, Christine K Johnson, Corina Monagin, Dan O'Rourke, Dave McIver, David Wolking, Denise Grieg, Emily Hagan, [REDACTED] Jennie Lane, [REDACTED] Karen Saylor, Kevin Gonzalez, Kevin Olival, Lucy Keatts, Marcy Uhart, Matt LeBreton, Megan Doyle, Mindy Rostal, Nicole Gardner, [REDACTED] Rebecca Hill, [REDACTED], Stephanie Martinez, Tammie O'Rourke, Terra Kelly, and Tracey Goldstein.


### Surveillance sections of the semi-annual report

- We reviewed the draft of the surveillance section of the semi-annual report and received feedback and corrections on how best to categorize the different levels of interaction countries had with FAO during livestock sampling. Countries were sorted into 4 categories as follows:
  - Concurrent livestock sampling activities that have been directly supported by FAO in Bangladesh, Cambodia, Indonesia, Lao PDR, Myanmar, Thailand, and Viet Nam.
  - Together with PREDICT teams, FAO sampled livestock in the same locations as wildlife (and humans where possible) in Egypt, Jordan, Nepal, and Tanzania.
  - PREDICT has completed additional livestock sampling in Democratic Republic of Congo, Guinea, Kenya, Malaysia, Sierra Leone, and Uganda.
  - Livestock sampling was not conducted in Cameroon, China, Côte d'Ivoire, Ethiopia, Ghana, India, Liberia, Mongolia, Republic of Congo, Rwanda, and Senegal.
- We also collected information on which countries are currently using or have plans to use the bat book for M&E section 1.1d: Intervention Points. Please let us know if any country is listed incorrectly below.
  - Countries currently using the bat book: Cote d'Ivoire, Guinea, Kenya, Liberia, Senegal, and Sierra Leone.
  - Countries with plans to use the bat book: Bangladesh, Cambodia, Cameroon, China, DRC, Egypt, Ghana, India, Indonesia, Lao PDR, Malaysia, Myanmar, Nepal, RoC, Tanzania, Thailand, and Vietnam.
  - Interest in using bat book, but no solid plans: Uganda, Rwanda
  - Jordan developed a video based on this intervention point.
- For M&E 3B: Coordination, the majority of responses come directly from the country reports and the One Health team (Billy/Catherine). This is included as a reporting indicator for other teams, including surveillance, just in case we have something to share as well. Outcome level indicators, such as 3B, are not as relevant for semi-annual reporting as they are for the final report, but it is helpful to collect the information in case it is needed to respond to inquiries, and it's important for us all to know that this is something EPT is interested in tracking.

### Surveillance team year 5 deliverables

- Review the list of surveillance team year 5 deliverables that have been written into our global Year 5 workplan. Please think about how these will be met for each country. While regional analyses will also be valuable, it is important that each country is addressed independently for these outcomes as well. We shared a Word document with the list of deliverables via email.
- We will be further discussing these items at the semi-annual meeting in Vancouver, BC.

### Data cleaning checklist

- We developed a working data cleaning checklist to organize the data cleaning steps we have recommended and help track tasks and deadlines for particular data cleaning extracts.
  - Please share with us any suggestions you have for improvements.
  -  A large black rectangular box with the word "REDACTED" in white, bold, uppercase letters is positioned over the second bullet point of this list.
- If you have not done so already, return the Human Illness Module and Other Livelihoods extracts to IM team by April 19th. We will review any lingering questions about these extracts on the next call.
- On our next call we will be tackling self-reported symptoms in the human questionnaire.

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 04/26/2019 4:06:08 PM (-07:00)  
**To:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Cc:** "Amanda Andre" <amanda.andre@ecohealthalliance.org>; "Ava Sullivan" <sullivan@ecohealthalliance.org>; "Beth Edison" <bedison@metabiota.com>; "Catherine Machalaba" <machalaba@ecohealthalliance.org>; "David Wolking" <djwolving@ucdavis.edu>  
**Subject:** Re: Regrets for Vancouver

Thanks for letting us know,  
J

On Fri, Apr 26, 2019 at 12:53 PM William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:  
Hi Folks,

Unfortunately, I'm going to have to miss our Vancouver meeting but Catherine will be there to represent the efforts.

I had been hoping to avoid needing to be at the GHSA Steering Group quarterly meeting on Tuesday and Wednesday, but as last head of delegation and lead on a task force, they want me to be there to help keep things moving forward.

I'll miss seeing everyone.

BK

**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](http://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.***

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 05/10/2019 11:08:03 AM (-07:00)  
**To:** djwolking@ucdavis.edu; kaleasure@ucdavis.edu  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; predictmgt@usaid.gov  
**Subject:** Any TDYs near DRC May 17-25?

Hi David and Katie,

Is there anyone from Predict/HQ who will be on TDY near (eastern) DRC around [17-25 May](#)? CBS is trying to do an interview on Ebola.

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](mailto:aclements@usaid.gov)*

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 06/21/2019 12:24:37 PM (-07:00)  
**To:** "Elizabeth Leasure" <ealeasure@ucdavis.edu>  
**Cc:** "Andrew Clements" <aclements@usaid.gov>; "David J Wolking" <REDACTED>  
**Subject:** Re: Update

Yes, thanks very much,  
Jonna

On Fri, Jun 21, 2019 at 12:06 PM Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)> wrote:

Excellent! Thanks for keeping us posted, Andrew. Fingers and toes still crossed!

*Elizabeth Leasure*

*Financial Operations Manager*

*One Health Institute*

**REDACTED** (cell)

530-754-9034 (office)

Skype: ealeasure

---

**From:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Sent:** Friday, June 21, 2019 12:01 PM  
**To:** Elizabeth Leasure <[ealeasure@UCDAVIS.EDU](mailto:ealeasure@UCDAVIS.EDU)>  
**Cc:** Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>; David J Wolking <REDACTED>  
**Subject:** Re: Update

It's now with OAA so getting closer with more than two hours to go

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On Jun 21, 2019, at 1:07 PM, Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)> wrote:

Fingers-crossed! Toes, too!

*Elizabeth Leasure*

*Financial Operations Manager*

*One Health Institute*

**REDACTED** (cell)

530-754-9034 (office)

Skype: ealeasure

---

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

**Sent:** Friday, June 21, 2019 10:03 AM

**To:** Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>; David J Wolking <**REDACTED**>; Elizabeth Leasure <[ealeasure@UCDAVIS.EDU](mailto:ealeasure@UCDAVIS.EDU)>

**Subject:** Update

Things moving on the funding front. May be possible for it to be completed by COB today if the stars are aligned and everyone's fingers are crossed.

Will keep you posted.

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** Matthew Blake <mblake@ucdavis.edu>  
**To:** William B. Karesh <karesh@ecohealthalliance.org>; Murray, Suzan" <MurrayS@si.edu>  
**CC:** Christine Kreuder Johnson <ckjohnson@UCDAVIS.EDU>; Jonna Mazet  
<jkmazet@ucdavis.edu>  
**Sent:** 6/24/2019 2:37:08 PM  
**Subject:** PREDICT briefing flyer draft

Hello Billy and Suzan,

With a huge apology for this request for a quick turnaround, I'd like to get your approval on the attached draft for your talk in DC on the 9<sup>th</sup>. Particularly, please let me know if your title and affiliation is correctly listed on the speakers' page and if you'd like any changes to the document. I'd like to get this out to our list as early as possible tomorrow (6/25).

Thank you!

-Matt



Join USAID's PREDICT Project for a Briefing

## Emerging Pandemic Threats: Are We Ready for the Next Viral Outbreak?

*The Role of the United States in Securing Global Health*



**Rayburn House Office Building Room 2060  
Tuesday, July 9  
Noon-1PM**

Ebola. SARS. Influenza. These and other zoonotic diseases—which move from animals to humans—have the power to devastate human life, overwhelm public health systems and drain economies around the world.

These viruses know no borders. The DR Congo is currently battling the second largest outbreak of Ebola, with nearly 2,000 confirmed cases and more than 1,300 confirmed deaths since August 2018. The outbreak has just crossed the border into Uganda, and national and international response teams are urgently working to contain the spread of disease. If further international spread ensues, this Ebola outbreak risks becoming another public health emergency that arrives in America. Ebola isn't the only threat. Here in the United States, influenza A and West Nile virus top a list of eight zoonotic diseases of national concern that already emerged from animals and infect humans on our soil.

Is it possible to derail viruses of epidemic potential before outbreaks occur in humans? The United States is already leading the way in strengthening capacity for the detection of zoonotic diseases in some of the most resource-limited settings in the world. Government programs, such as USAID's Emerging Pandemic Threats PREDICT project, have advanced our discovery of emerging threats, helped prepare for early detection at their animal sources, and identified next steps to protect global and domestic health and security.

Join us for a briefing on the future of pandemic prevention.

**Lunch will be provided. Seating is limited.**  
Please RSVP to Brooke Genovese at [bgenovese@ucdavis.edu](mailto:bgenovese@ucdavis.edu).

# FEATURED SPEAKERS



**Christine Kreuder Johnson, UC Davis One Health Institute**

UC Davis One Health Institute  
Biosurveillance Lead, PREDICT



**William Karesh**

EcoHealth Alliance  
EPT Partner Liaison, PREDICT



**Suzan Murray**

Smithsonian Conservation Biology Institute



**Jonna Mazet, UC Davis One Health Institute**

UC Davis One Health Institute  
Global Director, PREDICT

*PREDICT was initiated in 2009 to strengthen global capacity for detection and discovery of viruses with pandemic potential that can move between animals and people. Active in over 30 countries, PREDICT supports the Global Health Security Agenda and is helping build systems to prevent the next pandemic.*



**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 06/25/2019 7:39:59 AM (-07:00)  
**To:** "Matthew Blake" <mblake@ucdavis.edu>  
**Cc:** "Suzan Murray" <MurrayS@si.edu>; "Chris Johnson" <ckjohnson@UCDAVIS.EDU>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Re: PREDICT briefing flyer draft

Looks great Matt.

Thanks

BK

**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](http://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 Jun 24, 2019, at 5:37 PM, Matthew Blake <[mblake@ucdavis.edu](mailto:mblake@ucdavis.edu)> wrote:

Hello Billy and Suzan,

With a huge apology for this request for a quick turnaround, I'd like to get your approval on the attached draft for your talk in DC on the 9<sup>th</sup>. Particularly, please let me know if your title and affiliation is correctly listed on the speakers' page and if you'd like any changes to the document. I'd like to get this out to our list as early as possible tomorrow (6/25).

Thank you!

-Matt

<PREDICT briefing flyer draft.pdf>

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 07/08/2019 8:56:14 AM (-07:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Elizabeth Leasure" <ealeasure@ucdavis.edu>; "PREDICTMGT" <predictmgt@usaid.gov>; "Brooke Genovese" <bgenovese@ucdavis.edu>  
**Subject:** Re:

Sounds good. 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](mailto:aclements@usaid.gov)*

On Jul 8, 2019, at 4:13 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Thanks Andrew,

Our senior management team line is always available for use. Let's plan to use this unless we hear otherwise.

David

**Zoom Call-in info**

**Zoom link:** [REDACTED]

**Or iPhone one-tap :**

[REDACTED] #

**Or Telephone:**

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

[REDACTED]

**Meeting ID:** [REDACTED]

International numbers available: [REDACTED]

On Mon, Jul 8, 2019 at 6:59 AM Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:  
2:00 EDT for a call is good for us. Can we use a Predict line or should we reserve one of ours?

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

On Jul 8, 2019, at 2:22 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Looks like we're now booked until 2 pm (if a call), later if we're meeting anybody in person, as we'd need to get over from the Capitol Hill area.

Please advise on what works.

Thanks,

Jonna

On Mon, Jul 8, 2019 at 6:08 AM Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Thanks, Jonna. I'm flexible today except for our ETD staff meeting from 11-12 EDT.

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](mailto:aclements@usaid.gov)

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

On Sat, Jul 6, 2019 at 4:49 AM Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Thanks very much, Andrew.

I'm happy to discuss on Monday, I will be in DC with Chris prepping for the briefing on Tuesday.

Let us know what would be a good time for you & if any others should join, or if we should get together in person with those in DC.

I know Chris was trying to organize some other meetings that day, but I don't have anything scheduled at this point.

Looking forward to discussing,

Jonna

On Fri, Jul 5, 2019 at 8:01 AM Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Hi Jonna, David, and Liz,

We had a discussion with OAA (Patricia, Jose, and Sami) on Wednesday regarding the P-2 extension. Here are the highlights:

- I described what we wanted to do during the extension and they were (again) okay with what was proposed, but they will need to receive a request memo from us outlining the details. (We have a template for this so we just need to make it specific to the P-2 circumstances.) If there are any changes to the original extension plan (see below), I will need to include those.
- The extension will be for no more than 1 year and will start 10/1/19 and end no later than 9/30/20. I also explained that your forecast indicated that year 5 activities would likely be delayed and not completed until 12/31/19. OAA was okay with both the year 5 activities and extension activities running simultaneously between 10/1/19 and 12/31/19. Please let me know if this is possible or not. If you can't do both, our priority is finishing year 5 activities and we would then have to discuss how to adjust the extension for only 9 months of running time.
- No detailed IGCE needed, but we will need a rough budget from you to support the request memo for the extension. Plus, we will need it broken out by country to satisfy our budget office. (I think you have already done this, so it would be just a

matter of tweaking if any changes are made to the activities, number of countries, or timeline--see below.)

- I confirmed with OAA that the next modification would include extending the end date to no later than 9/30/19 and obligating the remaining year 5 money and the year 6 money before 9/30/19 because the funds will expire after that date. No issues there for OAA.

So, the next step is to hear from you regarding if any adjustments are needed to the original extension proposal in terms of time frame budget, number of countries, and activities due to (1) the delay in receiving the year 5 funding, (2) the slowdown, and (3) the TVPA restrictions for FY18 funding. I would also like to follow up on a comment recently made by Jonna about not being able to complete work in DRC. I'm not sure if that was going to happen only if you didn't get the rest of the funding or if it was going to happen because of the slowdown and/or TVPA restrictions. Since one of the truly unique contributions of P-2 is going to be the additional insight on filoviruses in West Africa via EHP and in DRC and Uganda, I am very interested in trying to get as much as possible out of those investments. So if there are any things we will not get unless they are included in the extension, please let me know so we can discuss whether they could be substituted for other activities.

Let's plan on talking early next week so we can see where things are. I would like to have the extension plan updated (if needed) and the request memo drafted by the end of next week since I am going to be out of the office for most of the period between July 15 and August 15.

Have a good weekend.

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](mailto: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:** 09/19/2019 6:35:28 AM (-07:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "D. Phil Simon Anthony" <anthony@ecohealthalliance.org>; daszak@ecohealthalliance.org; "William Karesh" <Karesh@ecohealthalliance.org>  
**Subject:** One Protein Makes Ebola Deadly. Scientists Can Turn it Off - D-brief

FYI

<http://blogs.discovermagazine.com/d-brief/2019/09/18/one-protein-makes-ebola-deadly-scientists-can-turn-it-off/>

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

**From:** predict-request@ucdavis.edu on behalf of "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 09/23/2019 9:04:17 AM (-07:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Alisa Pereira Emerging Threats Division" <apereira@usaid.gov>; "Cara J. Chrisman" <cchrisman@usaid.gov>; "Amalhin Shek" <ashek@usaid.gov>; "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** [predict] Re: PREDICT 1&2 funding information for USAID speech at the close out on Tuesday

Thanks, David.

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

On Sep 23, 2019, at 6:00 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi Andrew and Amalhin,

Just FYI that USAID/Cameroon is requesting LOP budget #s for the project in advance of official close-out ceremonies this week. I'm sure you'll hear from them directly but wanted to let you know we directed them to you for budget information as is customary.

Best,

David

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

**From:** Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>  
**Date:** Mon, Sep 23, 2019 at 8:06 AM  
**Subject:** Fwd: PREDICT 1&2 funding information for USAID speech at the close out on Tuesday  
**To:** David Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)>  
**Cc:** David McIver <[dmciver@metabiota.com](mailto:dmciver@metabiota.com)>, Predict inbox <[predict@ucdavis.edu](mailto:predict@ucdavis.edu)>

Hi David and Liz,

We received this very last minute request from the Cameroon mission. I've let them know that that type of request should go through USAID Washington and that I would reach out to you. Any further messaging you would like me to pass on?

Thanks!

Beth

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

**From:** Ubald Tamoufe <[utamoufe@metabiota.com](mailto:utamoufe@metabiota.com)>  
**Date:** Mon, Sep 23, 2019 at 12:43 AM  
**Subject:** PREDICT 1&2 funding information for USAID speech at the close out on Tuesday  
**To:** Chloe Thornhill <[cthornhill@metabiota.com](mailto:cthornhill@metabiota.com)>



Cc: Julius Agbor <[jagbor@metabiota.com](mailto:jagbor@metabiota.com)>, Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>, Shaun Tse <[stse@metabiota.com](mailto:stse@metabiota.com)>

Dear Chloe,

I have been contacted by Dr Billo the USAID GHSA Lead at the US Embassy in CMR. They are currently finalizing the Embassy speech to be delivered during the official close out ceremony of PREDICT tomorrow Tuesday Sept 24th. They want to include a budget figure of the overall funding level of PREDICT 1 and 2 at METABIOTA which was oriented to CMR. They are awaiting this information from my by COB today Monday Sept 23rd.

Please could you kindly help with this information?

Thanks,

*Ubaldo TAMOUFE, Msc, MPH*  
*Director General*

**REDACTED**

--

Beth Edison  
Program Manager | Metabiota  
(250)739-8987

**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 10/09/2019 2:54:55 PM (-07:00)  
**To:** "Dennis Carroll" <[REDACTED]>  
**Cc:** "Cara Chrisman" <cchrisman@usaid.gov>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Samtha Maher" <maher@ecohealthalliance.org>; "Alison Andre" <andre@ecohealthalliance.org>  
**Subject:** RE: GVP-BCA Advisory group meeting  
**Importance:** High

16<sup>th</sup>, 17<sup>th</sup> and 18<sup>th</sup> all work for me!

Look forward to hosting you here in the 'capital of the free world'...

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474

Website: [www.ecohealthalliance.org](http://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:** Dennis Carroll [REDACTED]  
**Sent:** Wednesday, October 9, 2019 2:06 PM  
**To:** [REDACTED]  
**Cc:** Cara Chrisman; Jonna Mazet; Peter Daszak; Samtha Maher  
**Subject:** Re: GVP-BCA Advisory group meeting

I can make any of those dates. Thanks

On Wed, Oct 9, 2019 at 2:01 PM [REDACTED] > wrote:

Hi Peter and Dennis,

Could you share your availability for Dec 16-19?  
Those are the new proposed dates for the GVP BCA meeting.

Thanks,

REDACTED

---

**From:** REDACTED  
**Sent:** Wednesday, October 02, 2019 4:43 PM  
**To:** Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>  
**Cc:** Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>; Dennis Carroll <REDACTED>; Samtha Maher <[maher@ecohealthalliance.org](mailto:maher@ecohealthalliance.org)>; Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>  
**Subject:** Re: GVP-BCA Advisory group meeting

Hi Cara,  
Thank you for checking.

REDACTED

---

**From:** Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)>  
**Sent:** Wednesday, October 2, 2019 3:59:31 PM  
**To:** REDACTED  
**Cc:** Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>; Dennis Carroll <REDACTED>; Samtha Maher <[maher@ecohealthalliance.org](mailto:maher@ecohealthalliance.org)>; Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>  
**Subject:** Re: GVP-BCA Advisory group meeting

Hi REDACTED

It sounds as though Dennis is flexible all of those days.

Best,  
Cara

Cara J. Chrisman, PhD  
Senior Infectious Diseases Technical Advisor  
U.S. Agency for International Development (USAID) Contractor  
Bureau for Global Health, Office of Infectious Disease, Emerging Threats Division  
[2100 Crystal Drive](#), CP3-8091A, Arlington, VA 22202

Desk: (571) 551-7413  
Cell: REDACTED  
E-mail: [cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)

*GHSI-III - Social Solutions International, Inc. prime contractor*

On Tue, Oct 1, 2019 at 1:07 PM REDACTED > wrote:

Hi Cara,

Thank you, for now if you could check the four days between Dec 10-13, that would be great. Otherwise, we will circle back to the BCA team for other tentative dates.

Best,

REDACTED

UCDUSR0013853

**From:** Cara Chrisman [mailto:[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)]

**Sent:** Monday, September 30, 2019 12:13 PM

**To:** Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)>

**Cc:** [REDACTED]; Dennis Carroll <[REDACTED]>; Samtha Maher <[maher@ecohealthalliance.org](mailto:maher@ecohealthalliance.org)>; Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>

**Subject:** Re: GVP-BCA Advisory group meeting

Hi All,

I believe that Dennis is traveling today. I'm happy to follow up with him in addition to this thread, which dates should I propose given Peter's availability?

Thanks,  
Cara

Cara J. Chrisman, PhD  
Senior Infectious Diseases Technical Advisor  
U.S. Agency for International Development (USAID) Contractor  
Bureau for Global Health, Office of Infectious Disease, Emerging Threats Division  
[2100 Crystal Drive](#), CP3-8091A, Arlington, VA 22202

Desk: (571) 551-7413

Cell: [REDACTED]

E-mail: [cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)

*GHSI-III - Social Solutions International, Inc. prime contractor*

On Mon, Sep 30, 2019 at 2:19 PM Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> wrote:

Unfortunately no - I'm on my way back from a Singapore Nipah meeting on the 11th.

I could do it on the 13th...

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](http://www.ecohealthalliance.org)

Twitter: @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.

-----Original Message-----

From: [REDACTED]  
Sent: Monday, September 30, 2019 12:26 PM  
To: Peter Daszak; Dennis Carroll  
Cc: Samtha Maher; Cara Chrisman; Jonna Mazet  
Subject: RE: GVP-BCA Advisory group meeting

Hi Peter and Dennis,

We're trying to lock down dates for the BCA meeting. Are you available for a 1.5 day meeting on Dec 10 and 11 in NYC?

Sam and Cara, could you please follow up with Peter/Dennis in case they do not see this message?

Thanks,

[REDACTED]

-----Original Message-----

From: Boyle, Colin [mailto:[Colin.Boyle@ucsf.edu](mailto:Colin.Boyle@ucsf.edu)]  
Sent: Friday, September 27, 2019 12:58 PM  
To: Gavin Yamey <[gavin.yamey@duke.edu](mailto:gavin.yamey@duke.edu)>; Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)>  
Cc: [boppenheim@metabiota.com](mailto:boppenheim@metabiota.com); [REDACTED] >  
Subject: RE: GVP-BCA Advisory group meeting

Thanks Dean -

Like Gavin, I have issues with the day of the 12th, but I think I could do the 10th and 11th. I'll have to reschedule a few things but it should be do-able.

Thanks and please let us know when things are confirmed so we can lock down travel plans and the like.

Best regards

Colin

-----Original Message-----

From: Gavin Yamey <[gavin.yamey@duke.edu](mailto:gavin.yamey@duke.edu)>  
Sent: Friday, September 27, 2019 12:55 PM  
To: Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)>; Boyle, Colin <[Colin.Boyle@ucsf.edu](mailto:Colin.Boyle@ucsf.edu)>  
Cc: [boppenheim@metabiota.com](mailto:boppenheim@metabiota.com); [REDACTED]  
Subject: RE: GVP-BCA Advisory group meeting

Thanks Dean; I should be able to reschedule all my Dec 10 and 11 meetings and spend the night on Dec 10. I can't make it on Dec 12. I've put a hold on Dec 10-11.

-----Original Message-----

From: Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)>

Sent: Friday, September 27, 2019 3:51 PM

To: Gavin Yamey <[gavin.yamey@duke.edu](mailto:gavin.yamey@duke.edu)>; [Colin.Boyle@ucsf.edu](mailto:Colin.Boyle@ucsf.edu)

Cc: [boppenheim@metabiota.com](mailto:boppenheim@metabiota.com); [REDACTED]

Subject: GVP-BCA Advisory group meeting

Dear Gavin and Colin

This is a 'hold the date' note concerning our next advisory group meeting. We now intend to meet in NYC about 1 1/2 days out of Dec 10-12. We do certainly that you will be able to put this in your calendar.

Please let us know if there are days within that window that would work better for you.

Drs. Ben Oppenheim and [REDACTED] will be following up with additional information.

Best

Dean

Great to see you yesterday, Colin. I thought that both the malaria and the IGHS events went very well indeed.

Sent from my iPhone

--

Dr Dennis Carroll

Senior Fellow, Scowcroft Institute of International Affairs at the Bush School of Government and Public Service, Texas A&M University

Counselor and Advisor to the Faculty of Tropical Medicine at Mahidol University

mobile [REDACTED]  
email: [REDACTED]

**From:** "Amponsah, Edith" [REDACTED]  
**Sent:** 12/04/2019 7:47:21 AM (-08:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Kevin Anderson" <kevin.anderson@dhs.gov>; "Sally A. Miller" <millier.769@osu.edu>; "David Rizzo" <dmrizzo@ucdavis.edu>; "Elizabeth Hermsen" <elizabeth.hermsen@merck.com>; "Mary E. Wilson" <mewilson@hsph.harvard.edu>; "Gail Hansen" [REDACTED]; "Barton Behraves, Casey (CDC/DDID/NCEZID/OD)" <dlx9@cdc.gov>; "jmhughe@emory.edu" <jmhughe@emory.edu>; "mlichtve@tulane.edu" <mlichtve@tulane.edu>; "apruden@vt.edu" <apruden@vt.edu>; [REDACTED]  
[REDACTED]  
**Cc:** "maradford@ucdavis.edu" <maradford@ucdavis.edu>; [REDACTED]; "andre@ecohealthalliance.org" <andre@ecohealthalliance.org>; "Shah, Cecilia" [REDACTED] "Ogawa, V. Ayano" [REDACTED] Chukwurah, Chinenye" [REDACTED]; "Goodtree, Hannah" [REDACTED]  
**Subject:** Climate Change and Human Health Meeting of Experts Agenda and more!  
**Attachments:** Climate and Health - Final Agenda.pdf, FMT Agenda Exploring Frontiers of Innovation Workshop\_FINAL.pdf

Dear OHAC members,

I am following up on my last email to you all with the agenda for the Emerging Issues in Climate Change and Human Health Meeting of Experts that will occur December 5-6, 2019 at the NAS Building.

I have also attached the updated agenda for the FMT Workshop on Exploring the Frontiers of Innovation to Tackle Microbial Threats. If you are unable to join us for the meeting in person but would still like to join, you may do so via our webcast. Please visit this website (<http://nationalacademies.org/hmd/Activities/PublicHealth/microbialthreats/2019-DEC-04.aspx>) to register for the meeting and to join us live this afternoon and tomorrow.

Thank you,  
Edith

-----  
**Edith Amponsah**  
Research Associate  
Forum on Microbial Threats  
Health and Medicine Division  
The National Academies of Sciences, Engineering, and Medicine  
500 Fifth Street, NW  
Phone: 202-334-3222  
[www.nationalacademies.org/HMD](http://www.nationalacademies.org/HMD)

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**Exploring the Frontiers of Innovation to Tackle Microbial Threats**  
*A Workshop*

**Agenda**  
**DECEMBER 4-5, 2019**

National Academies Keck Center  
500 Fifth Street NW, Room 100  
Washington, DC

Objectives:

This is a 1.5-day public workshop designed to examine the major advancements in scientific, technological, and social innovations that have been taking place to tackle microbial threats, including diagnostics, vaccine development and production, new antimicrobials as well as non-pharmaceutical interventions and surveillance. The workshop will offer particular considerations given to innovations that occur at the human-animal-plant-environment interface and those that are practical and can be implemented in different resource-level settings.

Specifically, this workshop will feature invited presentations and discussions including the following:

- Detection and diagnostic tools that empower end-users and patients to take appropriate action including obtaining early treatment;
- Cutting-edge methods and tools such as advances in predictive modeling, digital platforms, and precision public health, and how to best make use of them in practice;
- Novel innovations that take into account social and behavioral factors related to microbial threats;
- Communication and structural strategies that would help demystify the uptake and increase access of effective innovations to facilitate positive behavior change and strengthen preparedness and response capacities;
- Approaches to leverage data and modeling insights that would be useful for practitioners working on the ground in diverse settings, particularly at the community level;
- Models and indicators that help reveal the extent to which the innovations are “successful”; and
- Effective mechanisms for stimulating meaningful collaboration and communication among various stakeholders, including multilateral organizations, national governments, private sector, and civil society.

Workshop speakers and discussants will contribute perspectives from government, academia, private, and nonprofit sectors.



**DAY 1 – WEDNESDAY, December 4, 2019**

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1:00pm ET

**Welcome Remarks**

PETER DASZAK, *Chair of the Forum on Microbial Threats*  
President  
EcoHealth Alliance

**Workshop Overview and Goals**

KENT KESTER, *Vice-Chair of the Forum on Microbial Threats and Workshop Co-Chair*  
Vice President and Head, Translational Science and Biomarkers  
Sanofi Pasteur

RAFAEL OBREGON, *Workshop Co-Chair*  
Chief, Communication for Development  
UNICEF

**Keynote Addresses**

**Applying Lessons Learned from Innovation in Polio Eradication**

ANANDA BANDYOPADHYAY  
Senior Program Officer  
Bill & Melinda Gates Foundation

**Advancing Innovation on the Ground in the Fight Against Ebola**

JONATHAN TOWNER  
Team Lead, Disease Ecology Group  
Viral Special Pathogens Branch  
Centers for Disease Control and Prevention

**Q&A**

**Session I: Harnessing Lessons from  
Emerging Scientific, Technological, and Social Innovations**

2:00pm

Session I objectives:

- Present case studies on the lessons learned from approaches that have enabled successful innovations for predictive modeling, big data, mHealth, and diagnostic and detection tools

*Moderator:* Greg Armstrong, Centers for Disease Control and Prevention

**The Role of Innovation in the Evolution of Global Vector Control Response**

AUDREY LENHART  
Lead, Insecticide Resistance and Vector Control Team  
Centers for Disease Control and Prevention

**Applying Modeling to Inform Infectious Disease Surveillance and Outbreak Response**

CAROLINE BUCKEE

Associate Director and Associate Professor

Center for Communicable Disease Dynamics, Harvard T. H. Chan School of Public Health

**Unbiased Metagenomics Sequencing to Counter Microbial Threats: Lessons from Bangladesh**

SENJUTI SAHA

Scientist

Child Health Research Foundation

**Will Process Innovations for HIV Self-testing Impact Health Outcomes at the Community Level?**

NITIKA PANT PAI

Associate Professor in the Department of Medicine

McGill University

3:00pm

**Q&A**

3:30pm

**Break**

**Session II: Overcoming Barriers in the Field  
to Bolster Access and Practical Use of Innovations**

3:45pm

Session II Objectives:

- Elucidate the key barriers and facilitators to implementing innovative approaches that empower end-users and patients, facilitate positive behavior change, and ultimately reduce the health impact of infectious diseases at the community level

*Moderator:* Eva Harris, University of California, Berkeley

**Empowering Health Workers to Improve Immunization Service Delivery through Digital Innovation**

COLLINCE OSEWE

Founder and CEO

ChanjoPlus

**Translating Data and Modeling Insights into Improved Capacity for Detection and Response**

BRIAN BIRD

Research Virologist, One Health Institute

University of California, Davis

**Fostering Collaboration and Practical Tools to Enhance Timely Sharing of Data**

CAROLINA DOS S. RIBEIRO

Senior Policy Advisor

Centre for Infectious Disease Control, Netherlands

**Applying Insights from Behavioral Sciences to Enhance Acceptability and Adoption of Innovations across Diverse Social and Cultural Contexts**

FADI MAKKI

Founder

Nudge Lebanon and the Consumer Citizen Lab

4:45pm

**Q&A**

5:15pm

**Observations from Day 1**

KENT KESTER, *Vice-Chair of the Forum on Microbial Threats and Workshop Co-Chair*

Vice President and Head, Translational Science and Biomarkers

Sanofi Pasteur

5:30pm

**Adjourn**

**DAY 2 – THURSDAY, December 5, 2019**

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8:15am

**Welcome and Recap Day 1**

RAFAEL OBREGON, *Workshop Co-Chair*

Chief, Communication for Development

UNICEF

**Session III: Taking a Systems Approach  
to Spur Innovation in Tackling Antimicrobial Resistance**

8:25am

Session III Objectives:

- Explore the key elements of the policy, regulatory, market, and funding environments that can foster innovation in the field to address antimicrobial resistance
- Identify novel strategies to facilitate the mitigation of the burden of antimicrobial resistance through market, regulatory, monitoring, data sharing, and funding mechanisms
- Discuss promising avenues for coordination across systems to advance innovation in antimicrobial resistance

*Moderator:* Cristina Cassetti, U.S. National Institute of Allergy and Infectious Diseases

**Lessons from One Health: Enhancing Animal and Human Surveillance Systems to Bolster Innovation in Antimicrobial Resistance**

CHRISTINE KREUDER JOHNSON

Professor of Epidemiology and Ecosystem Health

University of California at Davis

**Sparkling Antibiotic Discovery through Data Sharing and Scientific Collaboration**

WES KIM

Senior Officer, Antibiotic Resistance Project

The Pew Charitable Trusts

**Incentivizing Novel Diagnostic Tests to Counter Antibiotic Resistance**

DANIEL BERMAN

Lead

Longitude Prize

**Strengthening Health Systems to Overcome Market and Regulatory Barriers to Innovation on Antimicrobial Resistance**

JYOTI JOSHI

Head of South Asia

Center for Disease Dynamics, Economics and Policy

9:20am **Q&A**

9:50am **Break**

**Session IV: Translating Innovation into Convergent Action**

10:05am Session IV - Part A: Overcoming Barriers and Forging Partnerships - Objectives:

- Discuss novel strategies to enhance existing or stimulate new cross-sectoral collaborations and public-private partnerships
- Identify promising approaches to ensure the sustainability of innovative interventions

*Moderator:* Alan Tennenberg, Johnson & Johnson Global Public Health

**Panel: Breaking Down the Barriers and Fostering New Forms of Partnership to Enable Innovation**

MATTHEW HEPBURN

Joint Product Lead

U.S. Army

RAHIMA DOSANI

Global Health Market Access Advisor, Center for Innovation and Impact

USAID

RAJEEV VENKAYYA

President

Global Vaccine Unit, Takeda Pharmaceuticals

11:15am **Q&A**

12:00pm **Lunch**

**WORKSHOP ON EXPLORING THE FRONTIERS OF INNOVATION TO TACKLE MICROBIAL THREATS**

1:00pm

Session IV - Part B: Incubating Action through Novel Ecosystems - Objectives:

- Examine novel ecosystems and hubs that nurture companies to accelerate research and development against microbial threats
- Discuss the key environmental features of novel ecosystems that enable innovations to tackle microbial threats

*Moderator:* Rick Bright, Biomedical Advanced Research and Development Authority

**Panel: Nurturing Innovations to Accelerate Research and Development through Novel Ecosystems**

SABRINA WELSH

Director of Programs and Operations

Human Vaccines Project

MAURIZIO VECCHIONE

Executive Vice President of Global Good and Research

Intellectual Ventures

SALLY ALLAIN

Head

JLABS

RANGA SAMPATH

Chief Scientific Officer

Foundation for Innovative New Diagnostics (FIND)

2:00pm

**Q&A**

2:45pm

**Break**

3:00pm

**Visionary Statements on Priorities for Innovation**

*Moderator:* Marcos Espinal, Pan American Health Organization

JULIO CRODA

Chief, Department of Communicable Diseases

Secretary of Health Surveillance, Brazil

CARRIE TEICHER

Director of Programs

Doctors without Borders/Médecins Sans Frontières

LORI BURROWS

Associate Director

Michael De Groote Institute of Infectious Disease Research

**WORKSHOP ON EXPLORING THE FRONTIERS OF INNOVATION TO TACKLE MICROBIAL THREATS**

PETER SANDS  
Executive Director  
The Global Fund to Fight AIDS, Tuberculosis and Malaria

3:30pm **Final Synthesis and Discussion with Audience**

4:10pm **Closing Remarks**  
KENT KESTER, *Vice-Chair of the Forum on Microbial Threats and Workshop Co-Chair*  
Vice President and Head, Translational Science and Biomarkers  
Sanofi Pasteur

PETER DASZAK, *Chair of the Forum on Microbial Threats*  
President  
EcoHealth Alliance

4:30pm **Adjourn**

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**Emerging Issues in Climate Change and Human Health  
Meeting of Experts**

December 5-6, 2019  
Washington, DC

Meeting Goals

- Present the latest science and new opportunities in human health/climate change research
- Identify emerging research needs and investment areas at the intersection of climate change and human health
- Explore key areas for potential future NASEM projects
- Help inform future directions for the National Academy of Medicine

Thursday, December 5, 2019  
US Institute of Peace  
2301 Constitution Avenue, NW

- 3:00 PM      **Welcome and Goals for the Meeting**
- Amanda Staudt, Director, Board on Atmospheric Sciences and Climate
  - Louis Muglia, Incoming President, Burroughs Wellcome Fund (NAM)
  - Michael Welsh, Chair, Burroughs Wellcome Fund Board of Directors (NAS, NAM)
  - Victor Dzau, President, National Academy of Medicine (NAM)
- 3:15 PM      **Keynote: Overview of Climate and Human Health -- Global Impacts**
- Howard Frumkin, Wellcome Trust
- 3:45 PM      **Keynote: Overview of Climate and Human Health -- US Impacts**
- Kristie Ebi, University of Washington
- 4:15 PM      **Keynote: Systems of Climate and Human Health Research (and Applications)**
- John Balbus, National Institute of Environmental Health Sciences
- 4:45 PM      **Discussion**
- 5:30 PM      *Reception at US Institute of Peace (all are welcome)*

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Friday, December 6, 2019  
NAS Building – Lecture Room  
2101 Constitution Avenue, NW

8:00 AM      *Breakfast*

8:25 AM      **Welcoming Remarks, Julie Pavlin, Director, Board on Global Health**

8:30 AM      **SESSION 1: Disease Transmission in a Changing Climate**

*Staff lead: Julie Pavlin, Board on Global Health*

*Session Description:* Climate dictates infectious disease transmission through expansion of geographic range, survival of vectors, pathogen incubation rates within the vector, as well as the biting rate. Waterborne pathogens are influenced by transport and dissemination with rainfall, and changes in temperature can also impact growth and survival. Research on associations between climate and infectious diseases has been based on historical evidence of change with climate variability, evidence of new and re-emerging diseases, and the use of predictive models for infectious disease outbreaks with various climate change scenarios. Based on this research, we can expect changes in infectious disease transmission patterns and need to learn about the causal relationships, how to predict these changes and determine best mitigation methods.

*Moderator (3-5 minutes for opening statement):*

- **Peter Daszak**, EcoHealth Alliance (NAM)

*Panelists (10-15 minutes each for remarks, followed by facilitated discussion):*

- **Heidi Brown**, University of Arizona
- **Assaf Anyamba**, NASA, Goddard Space Flight Center

10:00 AM      *Break*

10:30 AM      **SESSION 2: Weather-Influenced Health Impacts in a Changing Climate**

*Staff leads: David Butler, Board on Population Health and Marilee Shelton-Davenport, Environmental Health Matters*

*Session Description:* Climate change–induced increases in the frequency, severity, and duration of extreme weather events such as high heat, temperature inversions, and hurricanes threaten human health. Modifications in weather patterns also influence the levels and locations of potentially harmful air pollutants and allergens. The effects of such changes fall disproportionately on those least able to mitigate them—the very young and old, individuals burdened by illness, and people who do not have the financial means to avoid or limit exposure. The indoor environment—where people spend some 90% of their time—is particularly important and presents both challenges and opportunities for dealing with these health impacts.

*Moderator (3-5 minutes for opening statement):*

- **Maureen Lichtveld**, Tulane (NAM)



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Panelists (10-15 minutes each for remarks, followed by facilitated discussion):

- Patrick Kinney, Boston University
- Juli Trtanj, NOAA

12:00 PM *Lunch*

1:00 PM **SESSION 3: Social Dynamics in a Changing Climate**

*Staff leads:* Malay Majmundar, Committee on Population and Kathleen Stratton, Board on Population Health

*Session Description:* The health risks of climate change are not equally or fairly distributed across people, communities or nations. Climate change worsens environmental conditions (e.g., ozone pollution) associated with chronic illness and injury and causes social and economic dislocations that most impact disadvantaged communities. The root causes and upstream drivers of climate change and health inequities are often the same. Key contributors to climate pollution - such as energy and transportation; land use, housing, and planning; and food and agriculture - also affect community living conditions.

Increasing intensity of extreme weather events, sea-level rise and environmental degradation associated with climate change can trigger population movements within and across borders. In addition, climate change will have adverse consequences for livelihoods, public health, food security, and water availability. This in turn will impact human mobility, likely leading to a substantial rise in the scale of migration and displacement.

Climate-related or weather-related disasters are associated with stress and serious mental health consequences. Children, the elderly, women (especially pregnant and post-partum women), people with preexisting mental illness, the homeless, and first responders are at higher risk for mental health consequences due to such disasters. Also affected are those who live in communities that rely on the natural environment for sustenance and livelihood. Furthermore, just the threat of climate change, such as changes to one's local environment, similarly affects people's mental health and social functioning.

Moderator (3-5 minutes for opening statement):

- Winston Wong, Kaiser Permanente

Panelists (10-15 minutes each for remarks, followed by facilitated discussion):

- Deborah Balk, City University of New York
- Elizabeth Frankenberg, University of North Carolina
- Sue Anne Bell, University of Michigan

2:30 PM *Break*

3:00 PM **SESSION 4: Food and Water in a Changing Climate**

*Staff leads:* Ann Yaktine and Maria Oria, Food and Nutrition Board, and Robin Schoen, Board on Agriculture and Natural Resources

*Session Description:* Changes in temperature, precipitation, and CO<sub>2</sub> levels have a strong impact on food and water quality and availability globally. Changing environmental conditions may also

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have important consequences for risk of food- and water-borne illness. Although the relationships between environment and bacterial and viral exposure are complex and uncertain, a potentially important consequence is the emergence or re-emergence of novel pathogenic bacteria, viruses, and parasites in agricultural and seafood systems that could have a profound effect on both crop productivity and human health. A robust and safe food and water supply is critical to meeting nutrition and health goals domestically and globally.

There is also emerging evidence that warming of the environment can alter, both positively and negatively, the nutritional content and quality of some foods such as food grasses and legumes. Warming temperature across growing seasons can also have an impact on the productivity of food crops and exert a sizable and long-lasting influence on marine ecosystems. A warmer, more acidic ocean with a diminishing oxygen content is leading to global changes in marine biodiversity.

Moderator (3-5 minutes for opening statement):

- Cathie Woteki, Biocomplexity Institute, University of Virginia (NAM)

Panelists (10-15 minutes each for remarks, followed by facilitated discussion):

- Meredith Niles, University of Vermont
- Roni Neff, Johns Hopkins University
- Si Gou, World Bank, Water Global Practice

4:30 PM

## **SESSION 5: Solutions, Options, and Future Directions**

*Staff leads:* Lauren Everett and Erin Markovich, Board on Atmospheric Sciences and Climate, and Julie Pavlin, Board on Global Health

*Session Description:* Reflections on the day's discussions and thoughts on paths forward. What are the promising new opportunities in human health/climate change research? What are the emerging research needs and investment areas at the intersection of climate change and human health identified by the participants? What are your suggestions for potential future NASEM projects? How can we help inform future directions for the National Academy of Medicine?

Moderator (3-5 minutes for opening statement):

- Ann Kurth, Yale (NAM)

Panelists (10-15 minutes each for remarks, followed by facilitated discussion):

- Lynn Goldman, George Washington University (NAM)
- Robin Fears, EASAC

5:15 PM

## **Wrap-Up and Concluding Remarks**

- Judith Rodin, Rockefeller Foundation/University of Pennsylvania (NAM)
- Philip Pizzo, Stanford University (NAM)
- Victoria McGovern, Burroughs Wellcome Fund

5:30 PM

*Adjourn*

**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 01/09/2020 11:05:13 AM (-08:00)  
**To:** "David Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Chris Johnson" <ckjohnson@ucdavis.edu>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Karen Saylor" <[REDACTED]>; "Elizabeth Leasure" <ealeasure@ucdavis.edu>; "Mary Radford" <maradford@ucdavis.edu>; "Alison Andre" <andre@ecohealthalliance.org>; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Aleksei Chmura" <chmura@ecohealth.net>  
**Subject:** Re: Change of data meeting dates?

Works for me. I have an all day (or 3/4 day) meeting on the 18th in DC so I'll be in the neighborhood.

BK

**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](http://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 Jan 9, 2020, at 1:52 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi there,

Looks like USAID is now shying away from our confirmed March 25-27th dates and looking at the previous week (March 16-20, 2020). How does that look for you all? Just including key personnel for a quick poll at this time.

Thanks,

David

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

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

Date: Thu, Jan 9, 2020 at 7:11 AM

Subject: Change of data meeting dates?

To: Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Christine Kreuder Johnson <[ckjohnson@ucdavis.edu](mailto:ckjohnson@ucdavis.edu)>

Cc: <[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)>

Hi,

I was asked to see if 1 week earlier in March would work for the data meeting. It turns out there are other things going on in Washington during that last week of March.

We realize moving the dates up may mean that some people may not be able to attend, but would we have enough of the key people?

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](mailto:aclements@usaid.gov)*

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 02/14/2020 9:34:13 AM (-08:00)  
**To:** "Peter Daszak" <daszak@ecohealthalliance.org>; "Eddy Rubin" <erubin@metabiota.com>;  
"Dennis Carroll" <REDACTED>  
**Subject:** Global Virome in Health & Disease coinference happening in California Mar 1-4

Hi,  
Just saw this  
one: <https://www.keystonesymposia.org/ks/Online/Events/2020C1/Details.aspx?EventKey=2020C1>  
Honestly, I think I saw it before, but it slipped off my radar.  
It's being held in my backyard (Tahoe), but not organized by any UC Davis folks, leads are from U wash St. Lois (David Wang), Univ of Penn, and Univ of S Florida. It looks to me that they got an NIAD grant to hold a symposium and then are also charging \$995 for attendance to make the ends meet. The venue is one we use and can hold an audience in the low hundreds. I can't go because of expense and a planned vacation, but if any of you are interested/able.....  
Great being with you & excited about the future of GVP,  
Jonna

**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 03/11/2020 12:57:15 AM (-07:00)  
**To:** "Chris Johnson" <ckjohnson@UCDAVIS.EDU>  
**Cc:** "David John Wolking" <djwolking@ucdavis.edu>; "Suzan Murray" <MurrayS@si.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "sja2127@cumc.columbia.edu" <sja2127@cumc.columbia.edu>; "Karen Saylor" <[REDACTED]>; "Brian Bird" <bhbird@ucdavis.edu>; "Catherine Machalaba" <machalaba@ecohealthalliance.org>; "Amanda Andre" <amanda.andre@ecohealthalliance.org>  
**Subject:** Re: Change of plans for March meetings in DC

Thanks.

BK

On Mar 10, 2020, at 7:53 PM, Christine Kreuder Johnson <[ckjohnson@UCDAVIS.EDU](mailto:ckjohnson@UCDAVIS.EDU)> wrote:

Everyone,

As you might have guessed, next week's public briefing in DC is being postponed and the rest of our schedule with USAID is being moved to remote participation.

Specifically,

**March 17<sup>th</sup>:** the PREDICT public briefing in the afternoon is cancelled. We should still prepare the slide deck as planned so we have this to share for meetings on the 18<sup>th</sup> and 19<sup>th</sup> (see below).

The USAID briefing will be moved to the afternoon by phone. Specific time to follow.

**March 18<sup>th</sup>:** Day 1 of the data meeting will be 10:00 AM EDT - 1:00 PM EDT by phone [Per Andrew, presentations related to topic 1 and topic 2 of the agenda between 10:00 AM-12:00 PM; discussion from 12:00 PM-1:00 PM]

**March 19<sup>th</sup>:** Day 2 of the data meeting will be 10:00 AM EDT - 1:00 PM EDT by phone. [Discussion continued 10:00 AM-11:00 AM; topic 3 and discussion from 11:00 AM-1:00 PM].

Let me know of any conflicts with the proposed plan, esp given your demanding media/ policy engagement schedules.

The PREDICT slides we were preparing will likely still be very useful in the data meeting as we can share ppts by zoom screen share, perhaps divvied up along these lines to facilitate the discussion.

**SESSION 1: Review of data related to spillover, amplification and spread of emerging zoonotic viruses**  
*Surveillance approach (CKJ), public data site (DW), virus discoveries (SA/TG), surveillance in Myanmar (SM), capacity and pandemic preparedness (JM)*

**SESSION 2: Review of risk profiles and trends related to spillover, amplification, and spread of emerging zoonotic viruses**

*Modeling & analytics Insights (PD), surveillance findings (CKJ), behavior and community engagement (KS)*

**SESSION 3: Review of tools and strategies related to spillover, amplification, and spread of emerging zoonotic viruses**

*Virus detection tools (TG/SA), outbreak response (BB), policy, partnerships and health security (BK)*

Please provide suggestions/additions, thank you

Chris

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 06/09/2020 8:07:09 AM (-07:00)  
**To:** "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; djwolking@ucdavis.edu; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Cc:** predictmgt@usaid.gov  
**Subject:** Updated PPE guidance

USAID's implementing partners must seek the prior written approval of their Agreement or Contracting Officer(s) to procure the following supplies with USAID's funds: N95 filtering facepiece respirators; other filtering facepiece respirators; elastomeric, air-purifying respirators and appropriate particulate filters/cartridges; PPE surgical masks; PPE gloves or surgical gloves; ventilators; or COVID-19 test kits that are meant for the U.S. market. These commodities are collectively called "Covered Material."

However, implementing partners may use USAID's funding to procure Covered Material *without further approvals* in either of the following two situations:

1. For the protection of, and use by, staff under both grants and contracts from USAID
  - In this situation, implementing partners may procure Covered Material from any source; or
2. When procuring Covered Material for the safe and effective continuity of USAID-funded programs, including the protection of beneficiaries (but not the protection of their staff, which is covered in #1 above), implementing partners may procure Covered Material manufactured locally or regionally, provided the Covered Material is not, and could not reasonably be intended, for the U.S. market.

All other PPE and COVID-19 test kits not mentioned above are not restricted from procurement or subject to limitations pursuant to this guidance.

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 01/06/2017 9:48:14 AM (-08:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>; djwolking@ucdavis.edu; "Elizabeth Leasure" <ealeasure@ucdavis.edu>; "Subhash (FAORAP) Morzaria" <[REDACTED]>  
"Mirela (TCE) Hasibra" <[REDACTED]>  
**Cc:** "Alisa Pereira" <apereira@usaid.gov>; "Cara Chrisman" <cchrisman@usaid.gov>; "Lindsay Parish" <lparish@usaid.gov>  
**Subject:** Fwd: Cote d'Ivoire

FYI

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

Begin forwarded message:

**From:** Ricardo Echalar <[rechalar@usaid.gov](mailto:rechalar@usaid.gov)>  
**Date:** January 6, 2017 at 12:19:23 PM EST  
**To:** Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)>, Alisa Pereira <[apereira@usaid.gov](mailto:apereira@usaid.gov)>, Andrea Long-Wagar <[alongwagar@usaid.gov](mailto:alongwagar@usaid.gov)>, Sarah Paige <[spaige@usaid.gov](mailto:spaige@usaid.gov)>, Cassandra Louis Duthil <[clouisduthil@usaid.gov](mailto:clouisduthil@usaid.gov)>, Lindsay Parish <[lparish@usaid.gov](mailto:lparish@usaid.gov)>, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>, Nadira Kabir <[nkabir@usaid.gov](mailto:nkabir@usaid.gov)>  
**Cc:** Zandra Andre <[zandre@usaid.gov](mailto:zandre@usaid.gov)>  
**Subject:** Cote d'Ivoire

P&R informed us this morning that there is a developing security situation in Cote d'Ivoire (<http://allafrica.com/stories/201701060755.html>). Their ROHTA was supposed to travel to Sierra Leone but that has been postponed.

Something to monitor.

--

Ricardo Echalar, MPH  
Senior Public Health Advisor  
Office of Infectious Diseases, [Emerging Threats Division](#)  
Bureau for Global Health  
U.S. Agency for International Development (USAID)  
1300 Pennsylvania Ave, NW, 3.6-53, 3rd Floor, RRB  
Washington, DC 20523  
(W) +1.202.712.4003 | (M) [REDACTED] E-mail: [rechalar@usaid.gov](mailto:rechalar@usaid.gov)



**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 01/26/2017 3:46:11 AM (-08:00)  
**To:** "Elizabeth Leasure" <ealeasure@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "David John Wolking" <djwolking@ucdavis.edu>; "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Subject:** Re: Change to approved ITA: Updated list for OH Economic Evaluation Workshop

Thanks, Liz.

I approve of these changes.

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

On Jan 26, 2017, at 2:47 AM, Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)> wrote:

Hi Andrew. Just wanted to follow up on this and make sure you received my email. Thanks

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

---

**From:** Elizabeth Leasure  
**Sent:** Monday, January 23, 2017 4:00 PM  
**To:** 'PREDICTMGT'  
**Cc:** Jonna Mazet; David John Wolking; Katherine Leasure  
**Subject:** Change to approved ITA: Updated list for OH Economic Evaluation Workshop

Hi Andrew. Please note that Jonathan Rushton, Andy Hill, Jane Richardson, and Julio Pinto are unable to attend this meeting. In their place, EHA would like to add Ludy Suryantoro, Lina Awade, and Marisa Peyre (details below). Please also note that Guillaume Fournie will be departing from Kilimanjaro, Tanzania, not the UK. Please let me know if you have any questions.

Thanks,

Liz

Ludy Suryantoro	WHO	Geneva, Switzerland	\$1,500
Lina Awade	Veterinary Epidemiologist,	Paris, France	\$1,100

	OIE		
Marisa Peyre	CIRAD Animal and Integrated Risk Management	Montpellier, France	\$1,500

Original approved ITA:

-

EcoHealth Alliance would like to request approval for the **individuals listed below** to travel from **their respective departure locations (listed below)** to Washington, DC, USA from January 30 to February 2, 2017 for the One Health Economic Evaluation Workshop.

**Trip purpose:** This expert workshop and high-level forum on One Health economic evaluation (see 2<sup>nd</sup> bullet under Sub-activity 4.2.3 in Y3 PREDICT work plan), co-hosted by the World Bank and the PREDICT project, will convene experts to evaluate the cost-effectiveness of One Health approaches, building on the “People, Pathogens and Our Planet: The Economics of One Health” and “Drug Resistant Infections: A Threat to Our Economic Future” reports (World Bank, 2012 and 2016). Specific objectives are to: 1) generate additional economic analyses on the cost and economic options to address emerging and endemic diseases relevant to One Health, 2) identify key policy-oriented information and data gaps, and 3) recommend methods for assessing the costs and benefits of intervention options for pandemic and epidemic risk. Experts selected will help disseminate workshop outputs, including engagement of World Bank country economists in future data analysis and dissemination. Information generated will also be shared with the World Bank – World Health Organization Financing Pandemic Preparedness Task Force. Max daily per diem for Washington, DC is \$251.

Travelers Name	Title/Affiliation	Departure Location	Airfare Cost
Jonathan Rushton	Professor of Animal Health and Food Systems Economics, University of Liverpool	Manchester, UK	\$1,230
Tianna Brand	Head of Programmes Department & Biological Threat Reduction, OIE	Paris, France	\$1,100
Jose Cortiñas	Officer, Assessment and methodological support Unit, European Food Safety Authority	Milan, Italy	\$900
Delia Grace	Program Manager, Food Safety & Zoonoses, ILRI	Nairobi, Kenya	\$1,200
Andy Hill	BAE Systems	London, UK	\$1,323
Guy Hutton	Development Economist, WHO	Geneva, Switzerland	\$1,500
Kazuaki Miyagishima	Director, WHO Department of Food Safety and Zoonoses	Geneva, Switzerland	\$1,500

Jane Richardson	Senior Officer, Evidence management, European Food Safety Authority	Milan, Italy	\$900
Dirk Pfeiffer	Chair Professor of One Health, School of Veterinary Medicine, City University of Hong Kong	Hong Kong, China	\$1,100
Arjan Stegeman	Chair, Farm Animal Health, Utrecht University	Amsterdam, Netherlands	\$1,300
Mieghan Bruce	Post-Doc, Institute of Infection and Global Health, University of Liverpool	Liverpool, UK	\$1,230
Barbara Haesler	Chair, Network for Evaluation of One Health; Economics and Public Health Group, Royal Veterinary College	London, UK	\$1,230
Jakob Zinsstag	Deputy head, Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute	Geneva, Switzerland	\$1,500
Simon Ruegg	Senior Research Assistant, University of Zurich	Zurich, Switzerland	\$1,230
Guillaume Fournié	Research Fellow, Veterinary Epidemiology, Economics and Public Health, Royal Veterinary College	London, UK	\$1,230
Julio Pinto	Animal Health Officer, Food and Agriculture Organization of the UN	Rome, Italy	\$900

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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](mailto:predictmgt+unsubscribe@usaid.gov).

To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/BN1PR08MB1232D66C9F9807B37ABD365A2770%40BN1PR08MB123.namprd08.prod.outlook.com>.

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 01/31/2017 4:20:02 PM (-08:00)  
**To:** "Cara Chrisman" <cchrisman@usaid.gov>  
**Cc:** "Dennis Carroll" <dcarroll@usaid.gov>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Nathan Wolfe" <nwolfe@metabiota.com>; "Eddy Rubin" <erubin@metabiota.com>; "Brooke Watson" <watson@ecohealthalliance.org>; "Hongying Li" <li@ecohealthalliance.org>; "Elizabeth S Chase" <eschase@ucdavis.edu>  
**Subject:** Re: For Review: Beijing GVP Agenda

My vote is for no bios this time.  
Thanks, Cara,  
J

On Mon, Jan 30, 2017 at 1:48 PM, Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)> wrote:  
Hi Team,

Thank you for all the efforts to pull together the agenda for next week's GVP meeting in Beijing. I would like to send this out to the participant list tomorrow and wanted to give everyone one last chance for a final review.

Please make edits to the google doc or send to me over email by **1pm EST tomorrow** (Tuesday).

Also: Do we need short bios, like in Bellagio? Will add that request to my email, if so.

Thanks,  
Cara



**Beijing Agenda 1.26.17 Draft**

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

Desk: [\(202\) 712-1161](tel:(202)712-1161)  
Cell: [REDACTED]  
E-mail: [cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 02/01/2017 12:31:17 PM (-08:00)  
**To:** "Cara Chrisman" <cchrisman@usaid.gov>  
**Cc:** "Dennis Carroll" <dcarroll@usaid.gov>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Eddy Rubin" <erubin@metabiota.com>; "Nathan Wolfe" <nwolfe@metabiota.com>; "Elizabeth S Chase" <eschase@ucdavis.edu>; "Brooke Watson" <watson@ecohealthalliance.org>; "Alison Andre" <andre@ecohealthalliance.org>; "Cassandra Louis Duthil" <clouisduthil@usaid.gov>; "Rebecca Benmahdi" <rbenmahdi@metabiota.com>; "Taylor Elnicki" <telnicki@metabiota.com>  
**Subject:** Re: GVP Call Tomorrow?

Happy to join if Dennis is available, otherwise I'll keep going on the prepof materials for which we have already agreed to prepare.

Just let us know his plans & preference,

J

On Wed, Feb 1, 2017 at 8:31 AM, Cara Chrisman <[cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)> wrote:

Hi All,

Just checking in to see if we are planning to have our regularly scheduled GVP call tomorrow? Dennis will be in Bangkok and I have not had a chance to confirm his plans given the time difference (Dennis?).

If folks think we should still speak, happy to work on finding an alternative time or to speak the regular 10am/1pm time and pass the information along to Dennis.

Best,

Cara

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

Desk: [\(202\) 712-1161](tel:2027121161)

Cell: [REDACTED]

E-mail: [cchrisman@usaid.gov](mailto:cchrisman@usaid.gov)

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 03/28/2017 7:43:40 PM (-07:00)  
**To:** "Prince Mahidol Award Conference" <[REDACTED]>  
**Cc:** "Dennis Carroll" <DCarroll@usaid.gov>; "Sudarat Damrongwatanapokin" <sdamrongwatanapokin@usaid.gov>  
**Subject:** Re: Prince Mahidol Award Conference (PMAC) 2018\_Call for Abstracts!!

Dear Secretariat,

I'm sure that you are probably aware, but just in case, I wanted to let you know that the abstract system has been blocking abstract submission (far before the deadline). It wasn't working yesterday, and our team waited in case it was a temporary problem, but it still isn't working.

We'll keep trying, but let us know if you have intentionally closed the abstract submission, even though the deadline has not yet been reached.

Thank 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](http://onehealthinstitute.net)

For scheduling and logistical issues, please contact:

Ms. Liz Chase

[eschase@ucdavis.edu](mailto:eschase@ucdavis.edu)

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

On Wed, Feb 1, 2017 at 2:24 AM, Sudarat Damrongwatanapokin <[sdamrongwatanapokin@usaid.gov](mailto:sdamrongwatanapokin@usaid.gov)> wrote:

The abstract submission for PMAC 2018 is now open and will close on March 31, 2017 at 4.00 PM (Thailand local time).

All submissions should fall under three main sub-themes as follows:

Sub-Theme 1: Tracking Progress Towards Success

Sub-Theme 2: Harnessing the Power of Public-Private-Community Partnerships for "Preventing, Detecting, and Responding" to Address Zoonotic Diseases and

Antimicrobial Resistance

Sub-Theme 3: Understanding the Drivers Underlying Emergence of Zoonotic Diseases and Antimicrobial Resistance and the Broad Benefits from Promoting Healthy Animals and Healthy People

For more information, please see [Call for abstract PMAC 2018](#)

Abstract can be submitted on the PMAC website >> [Submit your abstract](#)

**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 05/11/2017 8:42:38 PM (-07:00)  
**To:** "Eddy Rubin" <erubin@metabiota.com>; "Cara Chrisman" <cchrisman@usaid.gov>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Dennis Carroll" <dcarroll@usaid.gov>; "Nathan Wolfe" <nwolfe@metabiota.com>  
**Subject:** RE: Big Data Image

Like it.. The black box as a brain is cool...

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

+1.212.380.4473 (direct)

+1.212.380.4465 (fax)

[www.ecohealthalliance.org](http://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:** Eddy Rubin [mailto:erubin@metabiota.com]  
**Sent:** Thursday, May 11, 2017 7:39 PM  
**To:** Cara Chrisman; Jonna Mazet; Peter Daszak; Dennis Carroll; Nathan Wolfe  
**Subject:** Big Data Image

Not great but an attempt.



**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 05/23/2017 7:27:16 PM (-07:00)  
**To:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Subject:** Re: setting up a phone call to discuss PREDICT work in Côte d'Ivoire

No, Karen won't be in the office next week,  
J

On Tue, May 23, 2017 at 6:29 PM, Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> wrote:

Hi Zandra,

I just wanted to reach out rapidly and say how pleased I am that we'll be working closely on the EPT/PREDICT program in Côte d'Ivoire! Jonna has already filled me in on her call yesterday with you, and I'm really looking forward to talking with you by phone to make sure we manage this transition efficiently and with minimal impact on the current momentum. That said, I didn't realize until today that you might not be in the office next week, so I don't want to miss the window. Please let me know when would be convenient and hopefully we can set up a time that works. To that end, I'm cc'ing Karen Saylor (who may be traveling over the next few days), Alice Latinne who'll be our 'country liaison' or point-person here at EHA for this work and Billy Karesh, who is in charge of partnerships for PREDICT. It would be ideal to have all of us on the call initially, but that might not be possible given travel.

I also want to introduce you to Evelyn Luciano, who manages admin for PREDICT here at EHA, Leticia Gutierrez-Jimenez who is helping manage wildlife surveillance in a number of countries, and Alison Andre who will help schedule the call.

Looking forward to hearing from you and to talking soon...

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance

460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor

New York, NY 10001

[+1.212.380.4473](tel:+12123804473) (direct)

[+1.212.380.4465](tel:+12123804465) (fax)

[www.ecohealthalliance.org](http://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:** "Lipkin, Ian W." <wil2001@cumc.columbia.edu>  
**Sent:** 06/18/2017 3:11:36 PM (-07:00)  
**To:** "Tracey Goldstein" <tgoldstein@ucdavis.edu>  
**Cc:** "Anthony, Simon J." <sja2127@cumc.columbia.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Aiah Gbakima" <[REDACTED]>; "James Bangura" <jbangura@metabiota.com>; "Alexandre Tremeau-Bravard" <atreneau@ucdavis.edu>; "Brett Smith" <brsmith@ucdavis.edu>; "Manjunatha Belaganahalli" <[REDACTED]>; "Brian Bird" <bhbird@ucdavis.edu>; "Corina Grigorescu Monagin" <cgmonagin@ucdavis.edu>; "Karen Saylor" <ksaylor@metabiota.com>; "Eddy Rubin" <erubin@metabiota.com>; "Jasjeet" <jkdhanota@ucdavis.edu>; "Wells, Heather L." <[REDACTED]>; "Eliza Liang" <liang@ecohealthalliance.org>; "W. Ian Lipkin" <wil2001@columbia.edu>; "Johnson Chris" <ckjohnson@ucdavis.edu>; "Lasso Cabrera, Gorka" <gl2411@cumc.columbia.edu>; "Shapira, Sagi" <ss4197@cumc.columbia.edu>; "amara jambai" <[REDACTED]>; "William Bangura" <[REDACTED]>  
**Subject:** Re: Your Submission to The Lancet

I like your style, Tracey. Lancet says no so let's up the ante!

Ian

On Jun 18, 2017, at 5:48 PM, Tracey Goldstein <[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)> wrote:

Dear All,

Please see below, unfortunately the Lancet was not interested in our paper. I am reformatting and will submit. Will keep you posted.

Best, Tracey

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

**From:** The Lancet Peer Review Team <[eesserver@eesmail.elsevier.com](mailto:eesserver@eesmail.elsevier.com)>

**Date:** Fri, Jun 16, 2017 at 3:43 AM

**Subject:** Your Submission to The Lancet

**To:** [tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu), [REDACTED]

Manuscript reference number: THELANCET-D-17-03937

Title: Discovery of a new potentially zoonotic Ebola virus (Bombali Ebolavirus) in Molossid bats in Sierra Leone

Dear Dr. Goldstein,

Many thanks for submitting your manuscript to The Lancet. We have considered your manuscript, but our decision is that it would be better placed elsewhere.

Unfortunately, we can accept only a very small proportion of the many papers we receive each week. We are sorry to be unhelpful on this occasion, though we would like you to think of us again in the future.

Yours sincerely,

Sabine Kleinert

Senior Executive Editor  
The Lancet

--

Tracey Goldstein, PhD  
One Health Institute  
School of Veterinary Medicine  
University of California  
Davis, CA 95616  
Phone: (530) 752-0412  
Fax: (530) 752-3318  
E-mail: [tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)

**From:** predict-request@ucdavis.edu on behalf of "Dennis Carroll" <dcarroll@usaid.gov>  
**Sent:** 06/27/2017 11:37:13 AM (-07:00)  
**To:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Cc:** "Andrew Clements" <AClements@usaid.gov>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Catherine Machalaba" <machalaba@ecohealthalliance.org>; "Predict inbox" <predict@ucdavis.edu>  
**Subject:** [predict] Re: GHS Index: Pilot framework

Interesting framework. I am presuming Beth Cameron is spearheading in her new role at NTI

Dr Dennis Carroll  
Director, Emerging Threats Program  
U.S. Agency for International Development  
Office: (202) 712-5009  
Mobile: REDACTED

On Jun 27, 2017, at 1:29 PM, William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:

Greetings.

Not sure if you've heard about this effort. NTI, JHU and the Economist Intelligence Unit are working on an Index for Global Health Security. It's well funded, I think they have \$16M for the project.

They asked Catherine and I to help them to broaden the scope of the index beyond the traditional human health components. Attached is the final version that they will be piloting for a few countries this summer.

BK



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<GHS Index pilot-ready framework.docx>

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 08/18/2017 1:10:57 PM (-07:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "David J Wolking" <djwolking@ucdavis.edu>;  
"Elizabeth Leasure" <ealeasure@ucdavis.edu>  
**Cc:** "Alisa Pereira" <apereira@usaid.gov>; "Shana Gillette" <sgillette@usaid.gov>; "Amalhin Shek" <ashek@usaid.gov>; "Dennis Carroll" <dcarroll@usaid.gov>; "Cara Chrisman" <cchrisman@usaid.gov>  
**Subject:** Follow up on P2 budget/ceiling/work plans

Hi all,

An update following yesterday's discussion.

1. The Predict team at USAID reviewed our best estimates at this point and agreed that 129.1 M (of which is 56.3 M is Ebola funding) is the minimum number we can comfortably defend for the ceiling increase. We will have another discussion mid next week to see if it's possible to go any higher.
2. Until we figure out what the final ceiling number is, we are going to hold off asking Predict to do any further adjustments so that there only has to be one change to the budget for the ceiling increase. When we have the new ceiling number and agreement from OAA, we will provide it to Predict along with any guidance on our preferences for preserving or cutting countries or the duration of activities in countries. We will also give Predict a new submission date for the work plans at that time.

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](mailto:aclements@usaid.gov)*

**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 09/20/2017 9:46:25 AM (-07:00)  
**To:** "Tracey Goldstein" <tgoldstein@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Predict inbox" <predict@ucdavis.edu>  
**Subject:** Re: FAO-OIE-WHO Global Technical Meeting of MERS-CoV 25-27 September, Geneva Switzerland WHO Headquarters

Very cool !!!!

Thanks,

BK

**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](http://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 Sep 20, 2017, at 6:22 PM, Tracey Goldstein <[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)> wrote:

Hi Billy,

Thanks for representing at the meeting! You are correct - there is a paper on the MERS-like virus from Uganda, it is attached here.

Also attached (I know you have it) is the global corona paper. I also have two slides attached from the paper that show the 2c Coronas we have found, their association with Vespertilionid bats, and a map showing the potential distribution of 2c viruses based on host species distribution.

Let me know if you need anything else.  
T

On Wed, Sep 20, 2017 at 3:55 AM, William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:

Attached is the agenda for the MERS meeting. I mentioned a while back that this is not really a coronavirus meeting, just focused on MERS and the agenda reinforces that. Might still be nice for us to mention any findings of MERS-like viruses we have found. Kirsten sent us the sampling info for Uganda but said results/sequencing is not finished. Isn't there a paper on a MERS-like CoV from Uganda or Tanzania from Tracey and Simon? Or am I just wishfully thinking?

BK

--

Tracey Goldstein, PhD  
One Health Institute  
School of Veterinary Medicine  
University of California  
Davis, CA 95616  
Phone: (530) 752-0412  
Fax: (530) 752-3318  
E-mail: [tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)

<mBio-2017-Anthony-.pdf><Anthony et al., 2017 Global patterns in coronavirus diversity.pdf><Predictl Corona 2c slides .pptx>



**From:** predict-request@ucdavis.edu on behalf of "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 10/10/2017 9:35:19 AM (-07:00)  
**To:** "martin groschup" (REDACTED); "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Simon Anthony" <anthony@ecohealthalliance.org>; "Brian Bird" <bhbird@ucdavis.edu>; "Thomas C. Mettenleiter" (REDACTED)  
**Cc:** "Predict inbox" <predict@ucdavis.edu>  
**Subject:** [predict] Filovirus testing

Dear Drs. Mettenleiter and Groschup,

Please allow me to introduce you to my PREDICT colleagues - Dr. Tracey Goldstein, Dr. Simon Anthony, and Dr. Brian Bird. Tracey and Simon are the co-lead on the PREDICT lab testing platforms and Brian coordinates our Ebola efforts in West Africa.

about a year and a half ago, FAO was asked by USAID to coordinate some efforts on filovirus / EHV testing among a number of partners and FLI was included in this group. Since then, USAID asked FAO to shift focus, but we in PREDICT are still pursuing a variety of test protocols.

I discussed my recent visit to FLI and Tracey mentioned that we are still interested in some comparison testing, particularly (but not limited to) the serology side and wondered if you and your staff at FLI would be interested in pursuing a few collaborative avenues.

Please let us know if this sounds interesting.

All the Best,

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](http://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.*

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 10/18/2017 3:33:07 PM (-07:00)  
**To:** "Palmer, Guy" <gpalmer@vetmed.wsu.edu>  
**Cc:** "Keith Martin" <kmartin@cugh.org>; "Pat Conrad" <paconrad@ucdavis.edu>; "Mark Stetter" <Mark.Stetter@colostate.edu>; "Ted Mashima" <TMashima@aavmc.org>; "Joan Hendricks" <jch@vet.upenn.edu>; "Olivier LEPAGE" <[REDACTED]>; "Parker, Gerald" <GParker@cvm.tamu.edu>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Andrew Maccabe" <amaccabe@aavmc.org>; "Susan VandeWoude" <Sue.Vandewoude@colostate.edu>; "Ambjenkins" <[REDACTED]>; "Arisa Koyama" <akoyama@cugh.org>; "Lisa Ellen Thacher Milbrodt" <milbrodt@ucdavis.edu>  
**Subject:** Re: Invitation to develop a OneHealth satellite Mar 15, 2018 in NYC for CUGH2018.

I like Guy's version very much,  
Jonna

On Wed, Oct 18, 2017 at 3:01 PM, Palmer, Guy <[gpalmer@vetmed.wsu.edu](mailto:gpalmer@vetmed.wsu.edu)> wrote:

My recommendation would be more along the lines of “Addressing health and opportunity disparities at the human-animal-environmental interfaces”

This dynamic 4 hour workshop is designed to drive action outside the confines of a single health discipline

FWIW

Guy

On Oct 17, 2017, at 1:09 PM, Keith Martin <[kmartin@cugh.org](mailto:kmartin@cugh.org)> wrote:

Dear Colleagues.

Pl liberally edit the following paragraph ( from the non-vet) outlining the satellite’s purpose as per your comments.

**Workshop: veterinary- non-veterinary collaborations to improve human and environmental security.**

This dynamic 4 hr workshop is designed to attract non-veterinarians and veterinarians to meet and learn how they can collaborate to improve human and environmental health outcomes.

Sessions will include:

- veterinarian & non-vet collaborations to enhance animal health as a path to improving human health and reducing poverty.
- vet-med collaborations to strengten the GHSA and reduce the risk of a pandemic
- Models of vet- non-vet interdisziplinay training. ( including Onehealth competencies defined)

Thanks for your edits.

Keith

--

Keith Martin MD, PC  
Executive Director  
Consortium of Universities for Global Health  
[1608 Rhode Island Avenue, NW, Suite 241](mailto:kmartin@cugh.org)  
Washington DC, 20036, USA

[+12029746363](tel:+12029746363)  
[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th Annual CUGH Global Health Conference.  
Theme: Health Disparities: a time for action  
April Mar.15-18, 2018 - Hilton Midtown Hotel, New York City

On Oct 17, 2017, at 6:58 AM, Palmer, Guy <[gpalmer@vetmed.wsu.edu](mailto:gpalmer@vetmed.wsu.edu)> wrote:

Colleagues— I think a next step would be to develop a one paragraph description of what this satellite would address. As discussed on the call, it would need to be compelling to attract individuals from outside veterinary medicine and the animal/wildlife health community (we already talk). I would recommend it connect clearly to the theme of disparities but bring in our and colleagues unique perspectives that relate to issues of nutrition, education, and environment.

Guy

On Oct 17, 2017, at 12:38 AM, Keith Martin <[kmartin@cugh.org](mailto:kmartin@cugh.org)> wrote:

Dear Colleagues,

Thank you for attending last Friday's call re. a satellite session Mar. 15 in NYC for CUGH2018.

The following are the key points that came out of the call.

There is interest to run a 4 hr satellite session on OneHealth.  
It was seen as an excellent chance to bring together the vet and non-vet communities around issues that intersect both fields.

The session could include the following:

- the importance of animal health to human health and how to improve animal health
- GHSA and addressing the human-animal interface to reduce spillover
- strengthening the vet/vet-tech workforce in LICs
- identifying and sharing OneHealth competencies
- Education & training

Next steps- By Nov 15, 3/4 institutions committ to providing the \$11.5K required to run the satellute ( one could get this from the institution's communication budget)

Please let me know if I missed any key points by Oct 20 EOD.

Best wishes

Keith

--

Keith Martin MD, PC  
Executive Director  
Consortium of Universities for Global Health  
[1608 Rhode Island Avenue, NW, Suite 241](#)  
Washington DC, 20036, USA

[+12029746363](#)  
[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th Annual CUGH Global Health Conference.  
Theme: Health Disparities: a time for action  
April Mar.15-18, 2018 - Hilton Midtown Hotel, New York City

On Oct 1, 2017, at 6:27 PM, Keith Martin  
<[kmartin@cugh.org](mailto:kmartin@cugh.org)> wrote:

Dear Pat,

Thanks so much for suggesting Jonna. She will be a wonderful addition to our team. I am also including Peter Daszak (Ecohealth Alliance) who has been a great collaborator with CUGH in this space.

Arisa will send our a Doodle poll for the next 2 wks and invite all on thos email to help plan a 4 hr Onehealth satellite session the day before our conference begins in NYC next March.

Best wishes

Keith

--

Keith Martin MD, PC  
Executive Director  
Consortium of Universities for Global Health  
[1608 Rhode Island Avenue, NW, Suite 241](#)  
Washington DC, 20036, USA

[+12029746363](tel:+12029746363)  
[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th Annual CUGH Global Health Conference.  
Theme: Health Disparities: a time for action  
April Mar.15-18, 2018 - Hilton Midtown Hotel, New York City

On Oct 1, 2017, at 3:27 AM, Patricia Ann Conrad <[paconrad@ucdavis.edu](mailto:paconrad@ucdavis.edu)> wrote:

Dear Keith and all,

I would like to recommend that we include Jonna Mazet who is the PREDICT and One Health Institute Director or if she is not available Woutrina Smith who not only coordinates capacity building for PREDICT but also has active programs in Ethiopia, Tanzania and Sri Lanka. Either would be a great addition with the ability to input on OH-Planetary Health from a variety of perspectives globally, beyond just emerging infectious disease.

What do you think?

best wishes,  
Pat

Patricia Conrad DVM, PhD  
Distinguished Professor  
Associate Dean for Global Programs  
School of Veterinary Medicine  
University of California, Davis  
Co-Director, University of California Global Health Institute  
[paconrad@ucdavis.edu](mailto:paconrad@ucdavis.edu)  
Office for Global Programs: [530-752-7210](tel:530-752-7210)  
Personal cell phone: **REDACTED**

---

**De :** Keith Martin [<mailto:kmartin@cugh.org>]  
**Envoyé :** vendredi 29 septembre 2017 21:45  
**À :** Guy Palmer <[gpalmer@vetmed.wsu.edu](mailto:gpalmer@vetmed.wsu.edu)>  
**Cc :** Parker, Gerald <[GParker@cvm.tamu.edu](mailto:GParker@cvm.tamu.edu)>; Patricia Conrad <[paconrad@ucdavis.edu](mailto:paconrad@ucdavis.edu)>; Joan Hendricks <[jch@vet.upenn.edu](mailto:jch@vet.upenn.edu)>; Ted Mashima

<[TMashima@aavmc.org](mailto:TMashima@aavmc.org)>; Olivier LEPAGE

REDACTED

; Mark Stetter

<[Mark.Stetter@colostate.edu](mailto:Mark.Stetter@colostate.edu)>; Arisa Koyama

<[akoyama@cugh.org](mailto:akoyama@cugh.org)>

**Objet :** Re: Invitation to 3rd Annual Global  
Pandemic Policy Summit

Excellent. Joan is fabulous as are the rest of this illustrious group of vets. Arisa will send out a doodle poll for a call in the next 2 weeks so we can determine who would like to do this, identify a chair and get an overall sense of what the workshop will address eg. how to strengthen access to vet care and its benefits (poverty reduction, as a platform for monitoring zoonoses, as a path towards better nutrition, AMR etc)

--

Keith Martin MD, PC

Executive Director

Consortium of Universities for Global Health

[1608 Rhode Island Avenue, NW, Suite 241](#)

Washington DC, 20036, USA

[+12029746363](tel:+12029746363)

[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th Annual CUGH Global  
Health Conference.

Theme: Health Disparities: a time for action

April Mar.15-18, 2018 - Hilton Midtown

Hotel, New York City

On Sep 29, 2017, at 1:30 PM,

Palmer, Guy

<[gpalmer@vetmed.wsu.edu](mailto:gpalmer@vetmed.wsu.edu)>

wrote:

Thanks Keith—Happy to help organize. For no other reason than Afaf Meleis raves about how great it is to work with Joan and I am ready to see for myself :<)

I'll see Pat in a couple of weeks at the National Academy meeting so we can discuss there as well.

All the best

Guy

*Guy H. Palmer DVM, PhD  
Regents Professor of Pathology  
and Infectious Diseases  
The Jan and Jack Creighton  
Endowed Chair & Senior Director  
of Global Health  
Washington State University*

*Affiliate Appointments:  
Bioengineering & Life Sciences,  
Nelson Mandela African Institute  
of Science and Technology,  
Tanzania  
Bioinformatics & Computational  
Biology, College of Engineering,  
Washington State University  
Department of Diagnostic  
Medicine, College of Veterinary  
Medicine, Kansas State  
University  
Center for Emerging & Re-  
emerging Infectious Diseases,  
School of Medicine, University of  
Washington*

On Sep 27, 2017, at  
3:13 PM, Keith  
Martin  
<[kmartin@cugh.org](mailto:kmartin@cugh.org)>  
wrote:

Dear Gerald,

Thank you so much  
for the invitation.  
Sadly, I will be unable  
to attend your  
important summit.

We are looking for  
ways to run a 4 hr  
symposium/workshop  
that will connect vets  
with other disciplines  
at our conference on

Mar 15. Our conference is an ideal opportunity to foster the development of interdisciplinary platforms and collaborations to address a number of vital global health challenges

Topics could include: OneHealth/ achieving the GHSA/ building vet capabilities in low resource settings / other issues. I am copying leaders in the field we engage with who may be interested in pursuing this. Dean Hendricks and I spoke about this in principle.

If anyone on this email would consider helping to organize this please let me know and we will arrange a conference call to get things started. . The satellite room could hold 150-300 people.

Pat ( CUGH Board & UC Davis).

Joan ( The Dean of Vet Sciences at U Penn and is on our conference planning team)

Ted ( Deputy at AAVMC)

Guy ( Fmr. CUGH Board member- Wash. State U)

Olivier ( Vet Agro Group- Lyon and West Africa)

Mark ( Dean at Colorado State)



Thank you.

Keith

--

Keith Martin MD, PC  
Executive Director  
Consortium of  
Universities  
for Global Health  
[1608 Rhode Island  
Avenue, NW, Suite  
241](#)  
Washington DC,  
20036, USA

[+12029746363](#)  
[kmartin@cugh.org](mailto:kmartin@cugh.org)

[www.CUGH.org](http://www.CUGH.org)

Save the date! 9th  
Annual CUGH Global  
Health Conference.  
Theme: Health  
Disparities: a time for  
action  
April Mar.15-18,  
2018 -  
Hilton Midtown  
Hotel, New York City

On Sep  
27, 2017,  
at 5:06  
PM,  
Parker,  
Gerald  
<[GParker  
@cvm.ta  
mu.edu](mailto:GParker@cvm.tamu.edu)>  
wrote:

**Dear  
Colleague,**

**On behalf  
of Texas  
A&M  
University  
, I would**

like to  
invite you  
to the  
Scowcroft  
Institute's  
3<sup>rd</sup> Annual  
Global  
Pandemic  
Summit  
that will  
take place  
on  
October  
16-17,  
2017 at  
the Bush  
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on on the  
summit  
and the  
invitation  
follows  
below.  
Please do  
not  
hesitate  
to let us  
know if  
you have  
any  
questions.

I hope  
you can  
join us.

Best  
regards,

Gerald W  
Parker, Jr

Associate  
Dean For  
Global  
One  
Health  
College of  
Veterinar  
y  
Medicine  
&  
Biomedica  
l Sciences  
Texas  
A&M  
University

4461  
TAMU |  
College  
Station,  
TX 77843-  
4461  
phone:  
[979.458.5  
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c](http://bush.tamu.edu/pandemic)

# Global Leadership at a Crossroads: Are We Prepared for the Next Pandemic?

Global Pandemic Policy Summit

October 16-17, 2017

Annenberg Presidential Conference Center  
[1002 George Bush Drive West](#)  
College Station, Texas 77843

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You are cordially invited to participate in a summit which focuses on the role of the United States in pandemic response, international leadership, and the growing importance of global corporate citizenship.

The summit features keynote talks by:

**Dr. David Nabarro**, leader of the WHO's Roll Back Malaria initiative (1999), WHO Executive Director (2001), UN Coordinator for Avian and Pandemic Influenza (2005-2006), and Special Envoy of the United Nations Secretary-General on Ebola (2014-2015).

**Dr. Michael Osterholm**, Director of the Center for Infectious Disease Research and Policy at the University of Minnesota and author of the new bestselling book *Deadliest Enemy: Our War Against Killer Germs*.

**Andrew Card**, White House Chief of Staff under President George W. Bush from 2001-2006. Plenary panels include representatives from the Department of Defense, the Department of Health and Human Services, the U.S. Agency for International Development, non-governmental organizations, academia, and corporations.

SUMMIT NARRATIVE

We are on the eve of the 100-year anniversary of the 1918 Influenza Pandemic that killed 50 to 90 million people globally. A future pandemic, possibly one as deadly as the 1918 pandemic, is inevitable and will occur without warning. Public health professionals are working hard to make the world safe from all biological threats with pandemic potential, but despite their commitment and dedication, we remain unprepared. Global health security leadership is at a crossroads with a choice to make: Do we remain vulnerable as a nation, or do we give pandemic prevention and preparedness the priority attention it demands?

#### SUMMIT GOAL

The goal of the 2017 Global Pandemic Policy Summit is to engage in high-level discussions and simulations involving senior US government and host nation officials, private sector organizations, academic and research organizations, implementing partners, and multilateral and bilateral leaders involved in global health security and pandemic response.

#### SUMMIT OBJECTIVES

To achieve the summit goal described above, 2017 summit attendees will identify gaps and challenges and offer definitive, sustainable solutions that will be included in a post-summit report that is actionable for policy makers and pandemic response partners in the US and globally. We are in the first year of a new administration in the United States, and a new director general for the WHO was recently elected. The time is now to bring urgency to health security as a national security issue with a goal to help new leadership and all stakeholders effectively address global health security challenges.

#### SUMMIT GROUND RULES

The Global Pandemic Policy Summit will operate under Chatham House rules. Participants will explore strategic policy issues with a focus on domestic and international institutional leadership and should come prepared for rigorous discussion and debate in breakout sessions, tabletop exercises, and plenary sessions. Topics requiring more in-depth analysis with joint collaborative potential will be identified for follow-up policy research and peer-reviewed publications.

## Agenda

SUNDAY, OCTOBER 15, 2017

*Summit attendees arrive at College Station, Texas, and evening "Welcome Reception and Dinner."*

MONDAY, OCTOBER 16, 2017

*Attendees shuttled from hotels directly to the Bush School of Government and Public Service's Annenberg Presidential Conference Center for buffet breakfast.*

**Opening Plenary:** *"Current State of Pandemic & Health Security Environments"* Summit

keynote by Dr. Michael Osterholm followed by discussions with current and former senior US Government officials with a moderated attendee Q&A session.

**Plenary 2:** *“Importance of Global Leadership to the Pandemic Response and Health Security Agendas”* Plenary keynote from Dr. David Nabarro with discussions and Q&A session moderated by Scowcroft Institute Director, Andrew Natsios (former USAID Administrator).

**Luncheon:** Keynote by a senior US leader involved in pandemic response and health security.

**Plenary 3:** *“The Importance of US Engagement for Health Security and Pandemic Response”* Plenary keynote by Dr. Rebecca Katz of Georgetown University followed by a discussion panel involving key health security visionaries to deliberate the roles of Congress, Executive Branch Agencies, INGOs, and Industry partners. A moderated attendee Q&A session will immediately follow.

**Plenary 4:** *“Global Partnership Solutions and Innovations in Health Security & Pandemic Response”* Plenary keynote followed by proactive discussion involving representatives from major US and multinational corporate leaders with moderated attendee Q&A session.

**Summit Networking Reception and Dinner:** Keynote talk hosted by the Scowcroft Institute of International Affairs.

TUESDAY, OCTOBER 17, 2017

*Attendees shuttled from hotels directly to the Annenberg Presidential Conference Center for buffet breakfast.*

**Summit Table Top Simulation Exercise:** *“Urban Area Infectious Disease (H5N1) Outbreak in a Mega-City in Developing Country X”* Led by Dr. Gerald Parker, Director of Pandemic and Biosecurity Policy at the Scowcroft Institute and Associate Dean for Global One Health at the Texas A&M College of Veterinary Medicine.

**Final Plenary:** *“Table Top Simulation Results Presentations”* Led by simulation group leaders and Summit Summary of Conclusions provided by Dr. Gerald Parker.

**Box Luncheon for all attendees:** Some attendees may wish to depart the Summit at this time, but all attendees are encouraged to stay for our afternoon public collaborative forum and innovation workshop.

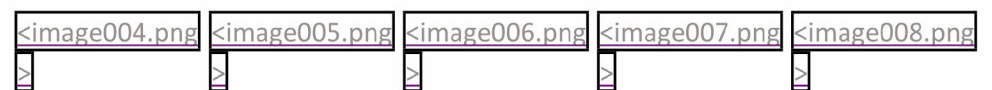
**Summit Afternoon Public Pandemic Preparedness and Innovation Forum:** By fostering wider inputs and public (non-Chatham House rule based) discussion among interested Summit attendees, Texas A&M University faculty & students, the private sector, and state/local government representatives, we will highlight progress and identify new ideas and collaborative opportunities that prevent pandemic outbreaks, better prepare for potential pandemic outbreaks, and help respond to bio-defense and health security threats both in the United States and internationally.



The Scowcroft Institute of International Affairs (SIIA) is a research institute housed in the Bush School of Government and Public Service at Texas A&M University. The Institute is named in honor of Lt. Gen. Brent Scowcroft, USAF (Ret.), whose long and distinguished career in public service included serving as National Security Advisor for Presidents Gerald Ford and George H.W. Bush. The Institute's core mission is to foster and disseminate policy-oriented research on international affairs by supporting faculty and student research, hosting international speakers and major scholarly conferences, and providing grants to outside researchers to use the holdings of the Bush Library.



The Bush School of Government and Public Service was founded in 1997, under President George H.W. Bush's philosophy that public service is a noble calling. Since then, the Bush School has continued to reflect that notion in curriculum, research, and student experience and has become a leading public and international affairs graduate institution.



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Texas A&M University  
4220 TAMU College Station, TX 77843-4220 · Map  
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V I O L E T



**From:** "Jon Epstein" <epstein@ecohealthalliance.org>  
**Sent:** 11/13/2017 10:06:48 AM (-08:00)  
**To:** "Brian Bird" <bhbird@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "David J Wolking" <djwolking@ucdavis.edu>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Corina Grigorescu Monagin" <cgmonagin@ucdavis.edu>; "Christine Johnson" <ckjohnson@ucdavis.edu>; "Brooke Genovese" <bgenovese@ucdavis.edu>  
**Subject:** Re: FW: EHP follow up

Agreed, Brian.

Assuming we'll want to chat about this at some point, but my initial thought is that resuming livestock sampling at this stage doesn't will be challenging, given our resource constraints. But, since we have already collected some livestock samples, if we were able to screen them for antibodies, it might provide some insight about exposure and maybe a basis for deciding about doing more sampling. We'd just have to think about sample size to understand what negative findings would mean. (And of course all the other challenges that come with serology, etc...). Just thinking about what might help address this question...

Cheers,  
Jon

Jonathan Epstein DVM, MPH, PhD

Vice President for Science and Outreach

EcoHealth Alliance  
New York

(e) [epstein@ecohealthalliance.org](mailto:epstein@ecohealthalliance.org)

(o) 212.380.4467

(m) **REDACTED**  
@epsteinjon

On Nov 13, 2017 12:24 PM, "Brian Bird" <[bhbird@ucdavis.edu](mailto:bhbird@ucdavis.edu)> wrote:

Not the best way to start one's morning.

-b

---

**From:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Date:** Monday, November 13, 2017 at 9:12 AM  
**To:** <[bhbird@ucdavis.edu](mailto:bhbird@ucdavis.edu)>, Tracey Goldstein <[tgoldstein@ucdavis.edu](mailto:tgoldstein@ucdavis.edu)>, Jon Epstein <[epstein@ecohealthalliance.org](mailto:epstein@ecohealthalliance.org)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, <[cgmonagin@ucdavis.edu](mailto:cgmonagin@ucdavis.edu)>  
**Cc:** David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Alisa Pereira <[apereira@usaid.gov](mailto:apereira@usaid.gov)>, <[sgillette@usaid.gov](mailto:sgillette@usaid.gov)>  
**Subject:** EHP follow up

Hi all,

I had a discussion with Kendra and Dennis a few weeks ago about EHP at the time of the pushback on the SL publication. They both have an expectation that domestic animals and livestock should still be sampled even though few/none would have been alive at the time of the West Africa Ebola epidemic. For them, the issue was not to sample them just because spill-back” may have occurred, but rather to sample them to see if spill-back occurred and they transmitted the virus to subsequent generations thus leading to its persistence and continuing risk to humans.

Thoughts?

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](tel:1-571-345-4253)*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 03/29/2018 9:56:14 AM (-07:00)  
**To:** "Brooke Genovese" <bgenovese@ucdavis.edu>  
**Subject:** Fwd: FW: SL phone call

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

**From:** Jonna Mazet <jkmazet@ucdavis.edu>  
**Date:** Thu, Mar 29, 2018 at 9:56 AM  
**Subject:** Re: FW: SL phone call  
**To:** Brian Bird <bhbird@ucdavis.edu>  
**Cc:** Tracey Goldstein <tgoldstein@ucdavis.edu>, David J Wolking <djwolking@ucdavis.edu>

Weirdly, I already had a conference call scheduled at that time Tuesday. I will try to wriggle out of that one for a few minutes for this call, so let's go ahead with it. I assume you believe that we can only get them at that time. If so, let's go.

Thanks,  
J

On Thu, Mar 29, 2018 at 9:35 AM, Brian Bird <bhbird@ucdavis.edu> wrote:

That can work for me... but that'll make it a 3 cups of coffee before 7 kinda day.

-b

---

**From:** Andrew Clements <aclements@usaid.gov>  
**Date:** Thursday, March 29, 2018 at 6:52 AM  
**To:** Jonna Mazet <jkmazet@ucdavis.edu>  
**Cc:** Brian Bird <bhbird@ucdavis.edu>, Tracey Goldstein <tgoldstein@ucdavis.edu>, David J Wolking <djwolking@ucdavis.edu>, Alisa Pereira <apereira@usaid.gov>, Cara Chrisman <cchrisman@usaid.gov>  
**Subject:** Re: SL phone call

Sorry, I passed along the wrong time. It was supposed to be 10:30 AM in D.C. so 7:30 AM in Napa. Is that do-able?

*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](tel:1-571-345-4253)*

Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)

On Mar 28, 2018, at 8:29 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Confirmed that we will do the call from Napa meeting at lunch break.

Thanks,

Jonna

On Wed, Mar 28, 2018 at 9:18 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Are you all available for a call with us and the SL mission from **3:30 to 4pm EDT on April 10th?**

*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](tel:1-571-345-4253)*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** [REDACTED] on behalf of "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 04/24/2018 12:54:15 PM (-07:00)  
**To:** "Andrew Clements" <aclements@usaid.gov>  
**Cc:** "William B. Karesh" <karesh@ecohealthalliance.org>; "David Wolking" <djwolking@ucdavis.edu>; "Alisa Pereira" <apereira@usaid.gov>; "Cara Chrisman" <cchrisman@usaid.gov>  
**Subject:** Re: Possible summer meeting?

Sounds good -- nice timing for DC, weather wise. We'll want to make sure timing is strategic for attendance of stakeholders. Looks like maybe late September would work for that?

Good thinking,  
Jonna

On Mon, Apr 23, 2018 at 5:30 AM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:  
Thanks, Billy. This fall may work for me if it's around late September or early October.

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](mailto:aclements@usaid.gov)*

On Apr 20, 2018, at 9:28 PM, William B. Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)> wrote:

Hi there,

Certainly a good topic for discussion on the next call. And of course you're always welcome for a visit.

I think we got through a lot of it last week in Napa, so Jonna, Peter, et al. can fill you in most of what is in the works. The subject of a summer meeting did come up, but as I recall, the consensus was that the big push now was to wrap up sampling over the summer and focus on finalizing testing in fall and winter to wrap up.

There was a lot of interest in considering the next semi-annual to be held in DC in the fall - maybe at the Smithsonian again and open to your agency colleagues where we would summarize as much as we have by that time and present successes to date (it's a very long list).

BK

**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](http://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 Apr 20, 2018, at 1:44 PM, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Sending this while I'm thinking about it. No immediate response/action needed.  
We can discuss on the next SM call.

I will be back in the US for a couple of weeks in late July/early August. What would you think of having a discussion (in NY?) on data/findings so far and what research questions Predict will be able to answer with the data generated by Predict-2? We could also have FAO there if it makes sense.

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](mailto:aclements@usaid.gov)*

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 05/24/2018 12:03:11 AM (-07:00)  
**To:** "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "Predict inbox" <predict@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; acamera@usaid.gov  
**Subject:** Re: Change to Approved ITA - Chakraborty (Bangladesh) Postponed

Mission would appreciate an in-brief if possible.

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

On May 23, 2018, at 10:47 PM, Katherine Leasure <[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)> wrote:

Hi Andrew. Per EcoHealth Alliance, Debo Chakraborty's travel to Bangladesh has been postponed, as the dates overlapped with the Islamic month of Ramadan. The previously approved ITA is below, with changes highlighted in yellow. Please let me know if you have any questions. Thanks!

EcoHealth Alliance would like to request travel approval for Dr. Debapriyo Chakraborty to travel from Lucknow, India to Dhaka, Bangladesh from July 16 to August 6, 2018 ~~June 1-21, 2018~~ to meet with the PREDICT-2 Bangladesh team.

**Trip purpose:** Dr. Chakraborty will travel to Dhaka to meet the PREDICT-2 Bangladesh team, attend and take part in multiple training sessions on bat field sampling.

*Katherine Leasure*

HR/Payroll/Financial Assistant

One Health Institute

University of California, Davis

530-752-7526

530-752-3318 FAX

[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)

--

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](mailto:predictmgt+unsubscribe@usaid.gov).

To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/02d401d3f2d7%243ab383d0%24b01a8b70%24%40ucdavis.edu>.

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 05/30/2018 1:07:50 AM (-07:00)  
**To:** "Elizabeth Leasure" <ealeasure@ucdavis.edu>  
**Cc:** "David John Wolking" <djwolking@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Amalhin Shek" <ashek@usaid.gov>; "Alisa Pereira" <apereira@usaid.gov>; cchrisman@usaid.gov  
**Subject:** Re: Washington Information Request: Protecting Life in Global Health Assistance Respond by 5/29

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](mailto:aclements@usaid.gov)*

On May 30, 2018, at 4:20 AM, Elizabeth Leasure <[ealeasure@UCDAVIS.EDU](mailto:ealeasure@UCDAVIS.EDU)> wrote:

Hi Andrew and Amalhin. We're still in the process of adding this provision to our all of our subawards, but none have declined to accept the provision at this point in time. My apologies for the delay. I have been traveling and the required timeline for response on this escaped my attention. Please let me know if you need anything else.

Thanks!  
Liz

**From:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Sent:** Thursday, May 24, 2018 5:05:20 PM  
**To:** David John Wolking; Elizabeth Leasure; Jonna Mazet  
**Cc:** Amalhin Shek; Alisa Pereira; Cara Chrisman  
**Subject:** Re: Washington Information Request: Protecting Life in Global Health Assistance Respond by 5/29

Action for you below.

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

On May 24, 2018, at 3:38 PM, Amalhin Shek <[ashek@usaid.gov](mailto:ashek@usaid.gov)> wrote:

Hi Andrew,

Could you send or re-send this to P2?

Thanks in advance,



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

USAID-HECFAA, VP of Community Engagement

USAID

Contractor

GHSI-III  
- Social Solutions International, Inc.

On Mon, May 21, 2018 at 1:46 PM, Amalhin Shek <[ashek@usaid.gov](mailto:ashek@usaid.gov)> wrote:  
Hi AORs,

Do you know if any of our Prime partner sub-awardees have declined to agree to PLGHA? In order to confirm this we should use the attached/copied below, draft communication to reach out to projects regarding any sub-awardees non-agreement with PLGHA. If this does not apply, please let me know and I can go back to Nick to confirm that this info request doesn't apply to us.

-----  
Sample Communication to primes  
Dear [insert organization name],  
USAID began implementing the Protecting Life in Global Health Assistance (PLGHA) policy on May 15, 2017. On February 7, 2018, the Secretary of State released a six-month review of implementation of the Protecting Life in Global Health Assistance (PLGHA) policy through the end of Fiscal Year 2017. The review is available here: <https://www.state.gov/f/releases/other/278012.htm>.

The interagency recognized that the initial review took place early in the policy's implementation, and, as a result, an intended action from the six-month review is to conduct a further review of implementation of the policy by the end of this year, when more implementation experience will enable a more thorough examination of the benefits and challenges of the policy.

Under [insert award name], your organization receives global health assistance from USAID and has accepted the PLGHA standard provision in your award. By May [X], 2018, please provide your AOR with the number of sub-recipients (if any) under this award that has declined to agree to the terms of the Protecting Life in Global Health Assistance policy to date (numerical count only).

In addition, to effectively implement our health programs, when an organization has declined to agree to the policy, it is critical that, USAID ensure a smooth transition of activities to other partners, while minimizing disruption of services. In accordance with 2 CFR 200.328(d), partners must inform USAID when significant developments occur that have a significant impact upon the supported activity.

Therefore, to ensure an effective transition of activities, and in accordance with 2 CFR 200.328(d), please

inform your AOR and activity manager immediately when you become aware that a sub-recipient has declined to agree, or has indicated its intention to decline to agree, to the PLGHA terms under a USAID award that provides global health assistance. We may request additional information regarding your transition of the USG-funded activities of any sub-partner that has declined to agree to the terms of the policy.

Thanks in advance,

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

USAID-HECFAA, VP of Community Engagement

USAID

Contractor

*GHSI-III*  
- Social Solutions International, Inc.

On Tue, May 15, 2018 at 8:18 PM, Nicholas Enrich <[nenrich@usaid.gov](mailto:nenrich@usaid.gov)> wrote:  
Hi ID Divisions PLGHA POCs,

I am reaching out with a data call for each division within ID related to PLGHA.

Please see the email below requesting information related to assistance awards within your division.

Can you please work with all AORs in your division to fill out [this google doc](#), adding sheets for all applicable implementing mechanisms? Please leave the "USAID Central Health Awards" tab blank, as I will use this tab to summarize for our office once all divisions have completed, and then I will submit in the required template referenced below. Therefore, please ensure that it is filled out from your division by **no later than May 25th**.

Please note the draft communication to prime recipients for AORs to reach out on each award.

Also note the procedure for notification if subsequent prime or sub-recipients decline to sign on to the PLGHA policy in the future.

Thanks so much for your help on this, and please let me know if you have any questions.

Thanks,  
Nick

**Forwarded conversation**

**Subject: Washington Information Request: Protecting Life in Global Health Assistance Respond by 5/29**

-----

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

From: **Ellen Starbird** <[estarb@usaid.gov](mailto:estarb@usaid.gov)>

Date: Tue, May 15, 2018 at 4:47 PM

Subject: Re: CORRECTED Washington Information Request: Protecting Life in Global Health Assistance Respond by 5/29

To: "GH SMT Mail List (USAID)" <[PHNSMT@usaid.gov](mailto:PHNSMT@usaid.gov)>, GH Regional Bureau Health Contacts <[ghregionalbureauhealthcontacts@usaid.gov](mailto:ghregionalbureauhealthcontacts@usaid.gov)>

Cc: Kimberly Ocheltree <[kocheltree@usaid.gov](mailto:kocheltree@usaid.gov)>, Denise Catbay <[dcatbay@usaid.gov](mailto:dcatbay@usaid.gov)>, "Mary McLaughlin (GC/G)"

<[mamclaughlin@usaid.gov](mailto:mamclaughlin@usaid.gov)>, Tamara Bates <[tbates@usaid.gov](mailto:tbates@usaid.gov)>, Nithya Mani <[nmani@usaid.gov](mailto:nmani@usaid.gov)>, Meghan Mattingly <[mmattingly@usaid.gov](mailto:mmattingly@usaid.gov)>

Please share this corrected version with your staff:

Dear Washington Operating Units,

On February 7, 2018, the Secretary of State released a six-month review of the Protecting Life in Global Health Assistance (PLGHA) policy. This interagency evaluation focused on the effectiveness and impact of the policy's application, identified challenges in implementation, and made recommendations for adjustment. The interagency recognized that the initial review took place early in the policy's implementation, and, as a result, we intend to conduct a further review of the policy by the end of this calendar year. As part of this further review, USAID is gathering information on the implementation of the PLGHA policy to date, particularly as it relates to situations in which organizations have declined to agree to the terms of the policy.

To effectively implement our health programs, when an organization has declined to agree to the policy, it is critical that, USAID ensure a smooth transition of activities funded by the U.S. Government to other partners, while minimizing disruption of services. The information we are asking you to provide will help confirm that a smooth transition has taken place in any such cases to date. In addition, we ask that going forward Missions, Operating Units, and their prime implementing partners inform us

immediately when they become aware that an organization has declined to adhere to the terms of the PLGHA policy, and send us the details of the transition plan.

We are asking all Operating Units with global health activities to complete the attached spreadsheet, which requests information on the status of cooperative agreements and grants that provide global health assistance subject to the PLGHA policy. Both Missions and Washington Operating Units are receiving this request for information. Interagency colleagues are also gathering similar information, but may be using different methods.

In addition to gathering information about prime partners, we must also ask our prime implementing partners whether any sub-recipients of awards that provide global health assistance have declined to agree to the policy. We have attached draft language that Agreement Officer's Representatives (AORs) can use to communicate with implementing partners. If a prime implementing partner indicates that a sub-awardee has declined to agree to the policy, the AOR should separately follow up with the prime to ask for additional information that will allow the AOR to fill in the attached spreadsheet. For field support through central awards, we ask that Mission activity managers please coordinate with the USAID/Washington AOR before sending any requests to a prime on this topic.

**Action Items:**

- **By May 29, 2018, please complete the attached template for central awards in place as of May 15, 2017 that provide global health assistance. Please provide information for both prime and sub-awards, and send one consolidated response per Office to [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov).**
- **Please communicate with your prime implementing partners of awards that receive global health assistance to determine whether they have any sub-recipients that have declined to agree to the PLGHA policy. If so, promptly follow up to gather information regarding the following (see attached template):**
  - **Project start date for activities**
  - **Original end date for sub-recipient's activities**
  - **Estimated pipeline as of June 30, 2018**
  - **Expected end date for sub-recipient's activities**
  - **Brief description of the sub-recipient's activities under the award**
  - **Description of prime implementing organization's actions and/or plans to transition the sub-recipient's activities**
- **In the future, please inform the Global Health PLGHA Policy Team (email [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov)) and your General**

**Counsel backstop immediately when you learn that a partner or sub-partner has declined to adhere to the terms of the PLGHA policy, and send us details of the plan to transition to another partner.**

- **Please also inform the PLGHA Policy Team immediately if you learn of any delays or problems in the transition of activities to another partner (email [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov)).**

**If you have questions regarding the template, communicating with prime implementing partners, or any of the information requested, please contact [plghapolicy@usaid.gov](mailto:plghapolicy@usaid.gov).**

As part of the PLGHA review process, we will likely seek to gather additional information from you in the coming months, and we are grateful for your cooperation. We appreciate your prompt attention to this request.

Thanks,

Ellen

Ellen H. Starbird  
Director, Office of Population and Reproductive Health  
Bureau for Global Health  
USAID  
phone: 571-551-7055  
fax: 571-551-7083  
email: [estarb@usaid.gov](mailto:estarb@usaid.gov)

**From:** predict-request@ucdavis.edu on behalf of "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 05/31/2018 2:02:41 AM (-07:00)  
**To:** "Katherine Leasure" <kaleasure@ucdavis.edu>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** [predict] Re: Change to Approved ITA - Doyle/Greig (Canada) Cancelled

Thanks, Katie.

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

On May 31, 2018, at 2:09 AM, Katherine Leasure <[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)> wrote:

Hi Andrew. Please be advised that Megan Doyle and Denise Greig's travel to Canada has been cancelled (previously approved ITA below for reference). There are tentative plans to reschedule for later this summer; a new ITA will be submitted when dates have been identified. Please let me know if you have any questions. Thanks!

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.

*Katherine Leasure*

HR/Payroll/Financial Assistant  
One Health Institute  
University of California, Davis  
530-752-7526  
530-752-3318 FAX  
[kaleasure@ucdavis.edu](mailto:kaleasure@ucdavis.edu)

--

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](mailto:predictmgt+unsubscribe@usaid.gov).

To post to this group, send email to [predictmgt@usaid.gov](mailto:predictmgt@usaid.gov).

To view this discussion on the web visit

<https://groups.google.com/a/usaid.gov/d/msgid/predictmgt/017801d3f873%24a7eb2790%24f7c176b0%24%40ucdavis.edu>.

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 07/02/2018 7:21:22 AM (-07:00)  
**To:** "Corina Grigorescu Monagin" <cgmonagin@ucdavis.edu>  
**Cc:** "predictmgt@usaid.gov" <predictmgt@usaid.gov>; "Brian H Bird" <bhbird@gmx.ucdavis.edu>; "David John Wolking" <djwolking@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "predict@ucdavis.edu" <predict@ucdavis.edu>  
**Subject:** Re: Request for Guinea

Thanks, Corina!

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](mailto:aclements@usaid.gov)

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

On Fri, Jun 29, 2018 at 10:26 PM, Corina Grigorescu Monagin <[cgmonagin@ucdavis.edu](mailto:cgmonagin@ucdavis.edu)> wrote:

Hi Andrew,

For the initial visit request, Jaber can be available during the period of July 22-4 August. After the first discussions, the Guinea Govt may want to do something similar to Sierra Leone and organize a larger meeting with prefectural-level individuals or another follow-on activity. If that's the case, I may be available to travel after August 19<sup>th</sup> for a short trip. Jaber would also be available from August 19-25.

I hope you're having a great summer. Happy weekend.

Regards,

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: REDACTED

---

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

**Date:** Wednesday, June 27, 2018 at 5:44 AM

**To:** Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Corina Grigorescu Monagin <[cgmonagin@UCDAVIS.EDU](mailto:cgmonagin@UCDAVIS.EDU)>, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Brian H Bird <[bhbird@gmx.ucdavis.edu](mailto:bhbird@gmx.ucdavis.edu)>

**Cc:** "[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)" <[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)>

**Subject:** Request for Guinea

Kendra asked if P-2 could send Jaber (or another French speaker) to Guinea July 23-27 to assist the team and govt in case questions come up due to the SL findings (especially given that there may be more questions due to Guinean samples still being analyzed).

*Andrew P. Clements, Ph.D.*

*Senior Scientific Advisor*

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

*U.S. Agency for International Development*

*Mobile phone: 1-571-345-4253*

*Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

**From:** "Dennis Carroll" <dcarroll@usaid.gov>  
**Sent:** 07/20/2018 11:45:49 AM (-07:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Re: Economic analysis contract via USAID Predict

thanks

Dr. Dennis Carroll  
Director, Emerging Threats Program  
Bureau for Global Health  
U.S. Agency for International Development

Office: 571-551-7109  
Mobile: **REDACTED**

On Fri, Jul 20, 2018 at 12:45 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Gotcha — I'll set it up. We also have to watch our cap, but I think we left a little room for Outbreak response that we could use if you have funds set aside.

Thanks,  
Jonna

On Fri, Jul 20, 2018 at 8:20 AM Dennis Carroll <[dcarroll@usaid.gov](mailto:dcarroll@usaid.gov)> wrote:

Thanks Jonna. Nothing like early morning sticker shock to get the juices flowing :). Dean is correct we haven't set parameters for this study. That said, we had set aside \$500,000. The question to Dean is what could we get for this? Not clear what the first phase (\$125k) gives you vs the second phase (\$500k plus). (i am presuming the \$\$ he's quoting are not fully loaded) I like the idea of a small advisory group. A face-to-face might be appropriate to walk through with Dean, you and me what the possible options might be - deliverables, timeline and process.

Thoughts

d

Dr. Dennis Carroll  
Director, Emerging Threats Program  
Bureau for Global Health  
U.S. Agency for International Development

Office: 571-551-7109  
Mobile: **REDACTED**

On Thu, Jul 19, 2018 at 11:11 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Hi Dennis,

Just you and me because I want to be politic with others regarding my MB concerns I shared on the phone. You can copy to Cara if appropriate -- I don't mind. I'm concerned my fears may have been realized on the MB management of this one. Maybe you were thinking in this price range (likely \$1M with overhead)? I thought we were talking around a \$200-300K commission (equivalent to a year's salary plus some operating for Dean). Seems they're planning/thinking something much larger.

Economic analysis is not my field, though I have collaborated on a few that were nowhere near this kind of price point. Granted many of us donated our time because we were subject matter experts who believed in the objectives and didn't charge for our time. Looks like they are planning extensive data collection or a lot of expensive staff. I can get that level of detail if you are amenable to funding this scale of effort. We certainly don't have it in our coffers, as this projection is equivalent to our whole GVP annual budget.

So, let me know if you were thinking along these lines or something more modest. Happy to discuss with Dean and provide budget realities (if necessary) and see if there is another level of analysis or other options, e.g., we have a stable of people with the same qualifications as these new MB people who are already paid on Predict and may be able to contribute without much or any added budget. Ben is quite qualified and likely a great choice to add, but even if we paid his whole salary, we wouldn't get close to this budget.

Hope you're not disappointed -- glad to follow your lead,  
Jonna

On Thu, Jul 19, 2018 at 7:19 PM, Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)> wrote:  
Dear Jonna

It was indeed nice to have met at the forum, even if only briefly.

I was in Manila at the time you suggested for a call and just back in CA an hour ago. Perhaps for the moment we can take the next step by email.

A little background may be useful. During the meeting in DC Dennis explored my interest in taking on an investment case for the virome project. This was certainly not something I could undertake myself or even manage. I told Dennis I would get back to him the next day after checking with Metabiota colleagues about their availability and interest. Why Metabiota? Ben Oppenheim, Nita Madhav and a team from Metabiota prepared a chapter for the DCP3 on pandemics and contributed substantially to a second, related chapter that I wrote with former treasury secretary Summers (who is REALLY worried about risk of major macroeconomic consequences of a flu pandemic). Metabiota's input to DCP was of the highest quality and on schedule. With them aboard —and they were prepared to be —I felt confident that we could take this on for Dennis.

So I suggested to Dennis that Metabiota take this on with me in a senior advisory role. I am sure other combinations could take this on but my feeling was that this would work for me at the time. I then understood Dennis to suggest that we take the next steps down the path to a funded activity, which we have done with several phone meetings. Our first in person meeting will be August 1.

We have not yet established parameters with Dennis of time and money. My own thinking has been that a two phase effort would make sense. A first phase where options for the analysis would be generated and hopefully where we would generate an approximate sense of where the results might lead. This might cost \$100-125k and take 4-5 months. IF a second phase seems likely to generate added value I expect that would take another 9-12 months and \$400-600k. These numbers are just my guesses and Metabiota and Dennis will likely have somewhat different thoughts.

I would hope we might engage you substantively, as well as UCD in mediating the resources. One thought I had was to use some of the resources to convene a small but very serious advisory group. This might meet for half a day 3 times— twice in the Bay Area and once in DC or NY or Baltimore. Anyway, if all this comes to pass, would you personally have interest (and time) to contribute in this way?

All the best

Dean

Sent from my iPhone

On Jul 19, 2018, at 9:58 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Dear Dean,

It was nice to speak with you briefly at the Forum on Microbial Threats workshop. I have spoken with Dennis Carroll, and we would like to move forward with getting you what you need to conduct the work.

My One Health Fellow, **REDACTED**, who you might have also met at the Forum, will help us with the contract details once we solidify the plans and mechanism.

Are you free at all this afternoon or tomorrow morning to discuss the scope and optimal mechanism with me briefly? I will be heading to Tanzania tomorrow mid-morning, so it will be great to get things moving. Dennis also mentioned a couple of requirements you had, and I want to make sure I understand them so that we satisfy them fully.

Depending on the mechanism, we may need a scope of work, budget & timeline, but there are possible ways to streamline that, too.

Looking forward to speaking with 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](tel:+15307523630)  
[onehealthinstitute.net](http://onehealthinstitute.net)

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

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 10/26/2018 2:38:32 PM (-07:00)  
**To:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Cc:** predictmgt@usaid.gov; "Brian Bird" <bhbird@ucdavis.edu>; "Predict inbox" <predict@ucdavis.edu>; "Karen Saylor" <ksaylor@metabiota.com>  
**Subject:** Re: Preparedness alignment exercise

Hi Jonna,

If these activities are what was referred to below as “non-monetary support roles”, then I am okay with it.

If more money is needed, then I will have to consult with others at USAID.

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](mailto:aclements@usaid.gov)*

On Oct 26, 2018, at 11:20 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Attachment

On Fri, Oct 26, 2018 at 3:18 AM Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Hi Andrew & DC team,

I think Andrew may be off, so I wanted to see if we could get some input ASAP on this DRC request.

See below & this follow-up from Karen:

"Here are some items we think we could offer as support contributions:

- Sample storage (space)
- Training on sample handling and extraction
- Training on lab biosafety"

Jean Felly seems to want to respond by today, so please let us know if you approve this approach.

Thanks in advance,  
Jonna (for the team)

On Wed, Oct 24, 2018 at 7:48 PM Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Dear Andrew,

It appears we are now being asked to take a larger role and to assume some responsibilities for the outbreak. How would you like us to proceed?

Looking forward to your thoughts and suggestions.

Let me know if you want to do a call,

Jonna

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

From: **Karen Saylor** <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>  
Date: Wed, Oct 24, 2018 at 5:03 PM  
Subject: Fwd: Preparedness alignment exercise  
To: Elizabeth Leasure <[ealeasure@ucdavis.edu](mailto:ealeasure@ucdavis.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>  
Cc: Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>

Hi Liz and Jonna.

For your visibility, we got this request from the DRC Mission and they're requesting that we take on some preparedness activities. We'd really only be able to take on some non-monetary support roles since our budget is tight, but please let us know if you have suggestions.

Thanks,  
Karen

Begin forwarded message:

**From:** Charles Kumakamba <[ckumakamba@metabiota.com](mailto:ckumakamba@metabiota.com)>  
**Subject:** Fwd: Preparedness alignment exercise  
**Date:** October 23, 2018 at 4:18:08 AM PDT  
**To:** Karen Saylor <[ksaylors@metabiota.com](mailto:ksaylors@metabiota.com)>, David McIver <[dmciver@metabiota.com](mailto:dmciver@metabiota.com)>, Mat Lebreton <REDACTED>, Beth Edison <[bedison@metabiota.com](mailto:bedison@metabiota.com)>, Christian Lange <[clange@metabiota.com](mailto:clange@metabiota.com)>, Amethyst Gillis <[agillis@metabiota.com](mailto:agillis@metabiota.com)>, Dana Ellis <[dellis@metabiota.com](mailto:dellis@metabiota.com)>

Hi Karen,

Please find attached the outbreak preparedness plan that I just received from USAID local mission . They're asking us to choose some activities on which PREDICT could be responsible. The local mission suggested some activities in red in the file .

Best,  
Charles

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

From: **Jean-Felly Numbi** <[jnumbi@usaid.gov](mailto:jnumbi@usaid.gov)>  
Date: Tue, Oct 23, 2018 at 10:39 AM  
Subject: Fwd: Preparedness alignment exercise  
To: Charles Kumakamba <[ckumakamba@metabiota.com](mailto:ckumakamba@metabiota.com)>

Bonjour Charles,  
Voici le document du plan de préparation/Preparedness du Ministère de la santé à court terme 3 mois seulement Ebola dan 6 provinces (Sud-Kivu, Maniema,

Tanganyika, Tshopo, Ituri, Haut-Uelé ) et moyen termes 12 mois pour tout le pays seulement pour les épidémies. Prière aligner Predict sous les activités que vous pouvez faire.

Pour la question des casquettes, j'attends la réponse du service concerné.  
Merci.

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

From: **Mbayi Kangudie** <[mkangudie@usaid.gov](mailto:mkangudie@usaid.gov)>

Date: Tue, Oct 23, 2018 at 10:29 AM

Subject: Preparedness alignment exercise

To: Jean-Felly Numbi <[jnumbi@usaid.gov](mailto:jnumbi@usaid.gov)>

Dear Jean-Felly,

Herein attached the updated version. Please use this version to request PREDICT preparedness activities under each of the component. Let's think immediate, medium and long term.

Best,

*Dr Mbayi Kangudie, MD, MPH*  
**Senior Health Advisor**

U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT - WEST AFRICA

**REDACTED**

*We Partner with West Africans to Achieve Peace and Prosperity*  
*Partenaires pour la Paix et la Prospérité en Afrique de l'Ouest*

*"The Lord will turn your shame into glory"*

--

**Jean-Felly Numbi**

USAID-DRC TB& Infectious Disease Advisor

Office Phone #:

Cellular Phone #

**REDACTED**

<USAID preparedness Activity alignment (1).xlsx>

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 11/11/2018 1:16:56 PM (-08:00)  
**To:** "AOTR/Grant Manager Andrew Clements" <aclements@usaid.gov>  
**Cc:** "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "Karen Saylor" <ksaylor@metabiota.com>  
**Subject:** Re: DRC Serology

Great!  
J

On Thu, Nov 8, 2018 at 10:31 PM Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:  
Thanks, Jonna. If I have any questions in the next few weeks, maybe we can discuss in NYC.

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

On Nov 9, 2018, at 6:42 AM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Hi Andrew,  
Thanks for the call today and the serology inquiry. As I mentioned when we talked and as we have discussed on a couple of Management Team calls, we have a couple of serology efforts going in DRC at the moment. The team in the cc can correct me if I get any of the details below wrong, but in short we are testing out two serological platforms that include ebolaviruses on DRC samples.

The first is part of our overall P-2 serology plan that was made possible with the supplemental funding you provided for that purpose. In addition to efforts in other countries that we have identified as high-priority, we are running serology with US AFRIMS on our concurrent wildlife-human P-2 sampling site in Western DRC, including 200 people with clinical syndromes consistent with our case definition (ILI, SARI, Enceph, Hem), as well as 100 individuals from the area of the last Ebola outbreak (not the current one). For the latter-described Ebola-affected area sampling, we are working with the bushmeat hunters who should have high exposure opportunity.

The second is our ebolavirus serology developed as a result of the Bombali discovery and in response to the need for better serological differentiation of the different (likely cross-reacting) ebolavirus species. For that one, we are primarily testing individuals presenting to our Eastern DRC site about 100 km from the likely area of origination of the current outbreak. The samples are from just before the the current outbreak was detected and involve individuals presenting with the same case definition(s) as described above. These people likely didn't have Ebola but could have been exposed. We briefly discussed the preliminary findings from those samples by phone last month. I understand that for comparison sake, we will now also test some of the individuals from the bushmeat hunters in Western DRC described above to look at the consistency across the two platforms.



So in response to your inquiry about serology in DRC, we are doing some and will be preparing a manuscript or two on these results. The proposed publication for the samples from just before the current outbreak are being fast-tracked because of relevance and interest in this outbreak and to get the new serology into the literature. Of course, these manuscripts will review serological platforms and data on what is known from other ebolavirus serology manuscripts.

We don't currently have access to any other serological data (unpublished) or samples that could be analyzed beyond samples collected for P-2. If there are data available that could be analyzed, I think our team would be interested in reviewing and pursuing if the data are available to you and useable from an analytical perspective. As far as additional testing of samples collected by others, we are open to exploring, but I'd need to understand better how we would be accessing these samples and under what conditions they have been collected and are available for analysis.

Let me know if you want to discuss more to clarify,  
Jonna

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 11/20/2018 11:26:06 AM (-08:00)  
**To:** "Corina Grigorescu Monagin" <cgmonagin@ucdavis.edu>  
**Cc:** "predict Sympa List" <predict@ucdavis.edu>; "William B. Karesh" <karesh@ecohealthalliance.org>; "Jonna Mazet" <jkmazet@ucdavis.edu>; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>  
**Subject:** Re: Informal review of USAID-funded influenza surveillance in Southeast Asia

Thanks. The FAO report was shared with some PREDICT people, but not all. My apologies for not checking more carefully. Will forward separately.

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

On Nov 20, 2018, at 5:57 PM, Corina Grigorescu Monagin <[cgmonagin@ucdavis.edu](mailto:cgmonagin@ucdavis.edu)> wrote:

Hi Andrew,

I don't see why we couldn't share and as Billy said, it would be great to have a copy of their reports.  
Happy Turkey Day.

Corina

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**From:** William Karesh <[karesh@ecohealthalliance.org](mailto:karesh@ecohealthalliance.org)>  
**Date:** Tuesday, November 20, 2018 at 8:53 AM  
**To:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Cc:** Corina Grigorescu Monagin <[cgmonagin@UCDAVIS.EDU](mailto:cgmonagin@UCDAVIS.EDU)>, predict Sympa List <[predict@ucdavis.edu](mailto:predict@ucdavis.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Chris Kreuder Johnson <[ckjohnson@UCDAVIS.EDU](mailto:ckjohnson@UCDAVIS.EDU)>  
**Subject:** Re: Informal review of USAID-funded influenza surveillance in Southeast Asia

Would love to see FAO's and WHO's reports also.

BK

**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](http://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 Nov 20, 2018, at 4:29 AM, Andrew Clements <[AClements@usaid.gov](mailto:AClements@usaid.gov)> wrote:

Thanks, Corina. Is it okay if I share this with FAO and WHO colleagues?

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](mailto:aclements@usaid.gov)

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

On Mon, Nov 19, 2018 at 11:36 PM Corina Grigorescu Monagin <[cgmonagin@ucdavis.edu](mailto:cgmonagin@ucdavis.edu)> wrote:

Hi Andrew,

Please see attached for PREDICT's influenza activities in VietNam, Laos and Myanmar. Any questions, please let us know!

Regards,

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: **REDACTED**

---

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

**Date:** Monday, November 19, 2018 at 3:27 AM

**To:** Corina Grigorescu Monagin <[cgmonagin@UCDAVIS.EDU](mailto:cgmonagin@UCDAVIS.EDU)>

**Cc:** predict Sympa List <[predict@ucdavis.edu](mailto:predict@ucdavis.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Chris Kreuder Johnson <[ckjohnson@UCDAVIS.EDU](mailto:ckjohnson@UCDAVIS.EDU)>  
**Subject:** Re: FW: Informal review of USAID-funded influenza surveillance in Southeast Asia

Thanks, Corina!

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](mailto:aclements@usaid.gov)

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

On Fri, Nov 16, 2018 at 9:14 PM Corina Grigorescu Monagin <[cgmonagin@ucdavis.edu](mailto:cgmonagin@ucdavis.edu)> wrote:

Hi Andrew,

Just a note that you will have this report from PREDICT on Monday. Have a great weekend!

Regards,

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: [REDACTED]

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

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

Date: Fri, Oct 19, 2018 at 5:10 AM

Subject: Re: Informal review of USAID-funded influenza surveillance in Southeast Asia

To: David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, Christine Kreuder Johnson <[ckjohnson@ucdavis.edu](mailto:ckjohnson@ucdavis.edu)>, Makonnen, Yilma (FAORNE)

< [REDACTED] intanee (FAORAP) Kalpravidh  
< [REDACTED] >, Claes, Filip (AGAH) < [REDACTED] >, BRIAND, Sylvie < [REDACTED] >, ZHANG, Wenqing < [REDACTED] >

Cc: Kim Thuy, Oanh (HANOI/OH) <[okim@usaid.gov](mailto:okim@usaid.gov)>, Michael OLeary <[moleary@usaid.gov](mailto:moleary@usaid.gov)>, Schar, Daniel (RDMA/OPH) <[dSchar@usaid.gov](mailto:dSchar@usaid.gov)>, Damrongwatanapokin, Sudarat (RDMA/OPH) <[sDamrongwatanapokin@usaid.gov](mailto:sDamrongwatanapokin@usaid.gov)>, Anchalee Jatapai <[ajatapai@usaid.gov](mailto:ajatapai@usaid.gov)>, Ben Zinner <[bzinner@usaid.gov](mailto:bzinner@usaid.gov)>, Nu Nu Khin <[nnkhin@usaid.gov](mailto:nnkhin@usaid.gov)>

Hi all,

Since a phone call across many time zones will be difficult, I would like to propose the following for the informal review of Influenza and other respiratory surveillance in Laos, Myanmar, and Vietnam.

Purpose: update USAID and all participating partners on progress to date and plans for October 2018-2019.

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*Note: this is a change from the previously-proposed plan for a conference call to discuss progress and future activities. A phone call was determined to be not viable due to challenges associated with schedules and timezones.*

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1. Name of implementing partner
2. Name and email of contact person at implementing partner
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5. Country(ies) and province(s) where activities conducted [*see note below*]
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Action: if you are okay with this approach, please communicate/coordinate with the appropriate people in your organization to ensure that the information get collected and put together according to the format and timeline.

Please let me know if you have any issues or questions.

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](mailto:aclements@usaid.gov)

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

On Mon, Oct 1, 2018 at 6:06 PM Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:

Hi all,

As you know, USAID has been investing in influenza surveillance in Southeast Asia (Laos, Myanmar, and Vietnam) for a few years now. The activities include the following:

1. Longitudinal Influenza Surveillance Network (LISN) in Vietnam [FAO, PREDICT, WHO]
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3. Expanded (human) respiratory surveillance in Vietnam [WHO].

Since we have not had a joint update on these related activities, I would like to convene a phone call with USAID, FAO, PREDICT, and WHO to go over what has been done and what results have been achieved to date. (See attached for a possible agenda.)

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Thanks!

Andrew

P.S. I have not included country-level staff on this e-mail. If we can identify one or two windows of time for the call, we can propose those to field colleagues in USAID, FAO, PREDICT, and WHO.

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](mailto:aclements@usaid.gov)

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**From:** "William B. Karesh" <karesh@ecohealthalliance.org>  
**Sent:** 11/20/2018 12:40:20 PM (-08:00)  
**To:** "Andrew Clements" <aclements@usaid.gov>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Chris Johnson" <ckjohnson@UCDAVIS.EDU>; "predict Sympa List" <predict@ucdavis.edu>; "David Wolking" <djwolking@ucdavis.edu>; "predictmgt@usaid.gov" <predictmgt@usaid.gov>; "Corina Grigorescu Monagin" <cgmonagin@ucdavis.edu>  
**Subject:** Re: Informal review of USAID-funded influenza surveillance in Southeast Asia

Yes, thank you. Really nice to see.

BK

On Nov 20, 2018, at 3:32 PM, Corina Grigorescu Monagin <[cgmonagin@ucdavis.edu](mailto:cgmonagin@ucdavis.edu)> wrote:

Thanks Andrew!

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: REDACTED

---

**From:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>  
**Date:** Tuesday, November 20, 2018 at 11:28 AM  
**To:** Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, William Karesh <[Karesh@ecohealthalliance.org](mailto:Karesh@ecohealthalliance.org)>, Chris Kreuder Johnson <[ckjohnson@UCDAVIS.EDU](mailto:ckjohnson@UCDAVIS.EDU)>, predict Sympa List <[predict@ucdavis.edu](mailto:predict@ucdavis.edu)>, Corina Grigorescu Monagin <[cgmonagin@UCDAVIS.EDU](mailto:cgmonagin@UCDAVIS.EDU)>, David Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>  
**Cc:** "[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)" <[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)>  
**Subject:** Fwd: Informal review of USAID-funded influenza surveillance in Southeast Asia

FAO report

*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](tel:1-571-345-4253)  
Email: [aclements@usaid.gov](mailto:aclements@usaid.gov)*

Begin forwarded message:



**From:** "Claes, Filip (FAORAP)" <[REDACTED]>  
**Date:** November 17, 2018 at 12:44:39 AM GMT+1  
**To:** Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>, "Kalpravidh, Wantanee (FAORAP)" <[REDACTED]>  
**Subject:** RE: Informal review of USAID-funded influenza surveillance in Southeast Asia

Hello Andrew,

It seems my excel wanted to be smarter than me and autotranslated the numbers into dates, and I overlooked this.

Please find in attachment the revised version with the correct numbers

Filip

**From:** Andrew Clements [<mailto:aclements@usaid.gov>]  
**Sent:** Friday, November 16, 2018 10:45 PM  
**To:** Kalpravidh, Wantanee (FAORAP) <[REDACTED]>; Claes, Filip (FAORAP) <[REDACTED]>  
**Subject:** Re: Informal review of USAID-funded influenza surveillance in Southeast Asia

There seems to be a problem with the numbers in the Vietnam table.

Andrew Clements, Ph.D.  
Senior Scientific Advisor  
Emerging Threats Division/Office of Infectious Diseases/Bureau for Global Health  
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On Fri, Nov 16, 2018 at 11:18 AM Kalpravidh, Wantanee (FAORAP) <[REDACTED]> wrote:

Dear Andrew et al,

Thanks to the country teams and Filip as the focal point for this synchronized surveillance initiative. Please find the attached report from lao, Myanmar and Viet Nam.

Best regards.

Wantanee Kalpravidh, DVM, PhD  
Regional Manager  
Emergency Center for Transboundary Animal Diseases (ECTAD)  
Food and Agriculture Organization of the United Nations (FAO)

**REDACTED**

REDACTED

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

**Sent:** 19 October, 2018 19:10

**To:** David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>; Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>; Christine Kreuder Johnson <[ckjohnson@ucdavis.edu](mailto:ckjohnson@ucdavis.edu)>; Makonnen, Yilma (FAOKE) <[REDACTED](mailto:REDACTED)>; Kalpravidh, Wantanee (FAORAP) <[REDACTED](mailto:REDACTED)>; Claes, Filip (FAORAP) <[REDACTED](mailto:REDACTED)>; BRIAND, Sylvie <[REDACTED](mailto:REDACTED)>; ZHANG, Wenqing <[REDACTED](mailto:REDACTED)>

**Cc:** Kim Thuy, Oanh (HANOI/OH) <[okim@usaid.gov](mailto:okim@usaid.gov)>; Michael OLeary <[moleary@usaid.gov](mailto:moleary@usaid.gov)>; Schar, Daniel (RDMA/OPH) <[dSchar@usaid.gov](mailto:dSchar@usaid.gov)>; Damrongwatanapokin, Sudarat (RDMA/OPH) <[sDamrongwatanapokin@usaid.gov](mailto:sDamrongwatanapokin@usaid.gov)>; Anchalee Jatapai <[ajatapai@usaid.gov](mailto:ajatapai@usaid.gov)>; Ben Zinner <[bzinner@usaid.gov](mailto:bzinner@usaid.gov)>; Nu Nu Khin <[nnkhin@usaid.gov](mailto:nnkhin@usaid.gov)>

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E-mail: [aclements@usaid.gov](mailto:aclements@usaid.gov)

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**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 12/11/2018 11:00:41 PM (-08:00)  
**To:** "Evan Eskew" <eskew@ecohealthalliance.org>  
**Cc:** "Diego Montecino" <dmontecino@ucdavis.edu>; [REDACTED]  
<[REDACTED]>; "Peter Daszak" <daszak@ecohealthalliance.org>; "Kevin J. Olival" <olival@ecohealthalliance.org>  
**Subject:** Re: Draft of reframed bat seasonality project

Great -- I'll take a look at the next draft with the fleshed-out Discussion.  
Happy Holidays,  
Jonna

On Thu, Dec 6, 2018 at 12:46 PM Evan Eskew <[eskew@ecohealthalliance.org](mailto:eskew@ecohealthalliance.org)> wrote:

Great, thanks Diego! My plan will be to work through these comments, in addition to fully drafting the discussion, to get a full paper together. I'll be in touch if I have any questions as I address your edits.

All my best,  
Evan

On Thu, Dec 6, 2018 at 3:21 PM Diego Montecino <[dmontecino@ucdavis.edu](mailto:dmontecino@ucdavis.edu)> wrote:

Hi Evan:

Lots of work here!

I'm sending my comments. There is a lot of them. I prefer a surplus just to be constructive. Again, and publicly, I appreciate your comments and suggestions and help with my STAN code.

Best

On Mon, Dec 3, 2018 at 7:32 AM [REDACTED] > wrote:

Dear Evan and Dr. Daszak,

I went through the paper and it doesn't conflict with any of my work/plans, but I agree with Diego in not being the ones to be making the final call! I'd also like to confirm being a coauthor in a few days once I determine if my contribution is actually appropriate enough to be considered one!

Thanks Evan, for sharing the new draft - I think it does a very nice job of explaining the data and the statistical process behind it, including the models and corresponding graphs.

[REDACTED]

BVSc & AH, MVSc, MPVM  
PhD candidate, Epidemiology  
One Health Institute  
UC Davis School of Veterinary Medicine

[REDACTED]

On Fri, Nov 30, 2018 at 8:51 AM Diego Montecino <[dmontecino@ucdavis.edu](mailto:dmontecino@ucdavis.edu)> wrote:

I think it is responsible enough to say that it would fit my plans but I'm not the one making the final call.

Best!

On Fri, Nov 30, 2018 at 8:39 AM Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> wrote:

Good to see this Evan. It would be great to move towards submitting a paper in the next few months. Do we all think this is achievable, and how does this fit in with your plans, Diego and REDACTED?

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance

460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor

New York, NY 10001

Tel. +1 212-380-4474

Website: [www.ecohealthalliance.org](http://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:** Evan Eskew [mailto:[eskew@ecohealthalliance.org](mailto:eskew@ecohealthalliance.org)]  
**Sent:** Tuesday, November 20, 2018 3:36 PM  
**To:** Diego Montecino; [REDACTED]; Jonna Mazet  
**Cc:** Kevin Olival; Peter Daszak  
**Subject:** Draft of reframed bat seasonality project

Hello all,

I wanted to update everyone on the current state of the project formerly known as bat seasonality. As some of you know, we have changed direction to examine reproductive status in more detail. Despite alterations to the manuscript, I tried to incorporate existing feedback from [REDACTED] Diego, and others on the previous iteration of the project in the revised version attached here.

Major changes/improvements to the manuscript since you all saw it last include:

- an analytical overhaul and reframing of the introduction to focus on the effect of reproductive status on viral detection across mammalian orders (instead of a focus on seasonal effects on viral detection in bat hosts)
- full model specification in the supplementary text to improve interpretability (Diego's suggestion)
- fitting and interpretation of full models rather than model sets

I need to flesh out parts of the existing text with references that are broadly relevant to mammalian taxa besides bats. And the discussion is in a rough outline form. But before I go too much further, I wanted high-level feedback from everyone on what they think of the revised focus and approach.

Not sure if Diego and [REDACTED] will be at the PREDICT semi-annual meeting next week, but I wanted to send this out before then and would be happy to chat about it with any UCD folks in attendance. Or of course we can exchange feedback via email as in the past.

Happy Thanksgiving, and Davis folks stay out of the smoke!

All my best,

Evan

--

**Evan Eskew, PhD**

*Research Scientist, Modeling and Analytics*

EcoHealth Alliance  
460 West 34th Street, Suite 1701

New York, NY 10001

646.868.4708 (office)

[www.ecohealthalliance.org](http://www.ecohealthalliance.org)

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--

**Evan Eskew, PhD**

*Research Scientist, Modeling and Analytics*

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New York, NY 10001

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**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 03/14/2019 3:57:23 AM (-07:00)  
**To:** "Cara Chrisman" <cchrisman@usaid.gov>  
**Cc:** "Dennis Carroll" <dcarroll@usaid.gov>  
**Subject:** Re: Two points for consideration

It was good.  
We missed you, but all went well.  
Hope the trip has been great,  
Jonna

On Wed, Mar 13, 2019 at 3:05 PM Cara Chrisman <cchrisman@usaid.gov> wrote:  
Asked for the slides, so hope we'll have them to review/process after!

Sent from my iPhone

On Mar 13, 2019, at 4:53 PM, Dennis Carroll <dcarroll@usaid.gov> wrote:

Consider me on board. My phone crashed and was irrevocably disconnected. Interesting discussion. Would have liked to have seen the slides. Glad you were there. Thanks

d

Dr Dennis Carroll  
Director  
Emerging Threats  
Global Health  
USAID  
301-646-6235

On Mar 13, 2019, at 9:06 PM, Jonna Mazet <jkmazet@ucdavis.edu> wrote:

Just between us, the GVP work in Ian Lipkin's shop is slow to almost non-existent (with Predict funds supporting it anyway due to need). So we should be able to handle the Stef activity easily, if you are supportive. I'll assume from your response that you are, unless I hear otherwise.

Thanks,  
J

On Wed, Mar 13, 2019 at 12:58 PM Jonna Mazet <jkmazet@ucdavis.edu> wrote:  
Great -- thanks, Dennis.  
Super efficient!  
J

On Wed, Mar 13, 2019 at 12:21 PM Dennis Carroll <dcarroll@usaid.gov> wrote:  
Jonna, I forwarded my response earlier to Cara to share. But to recap:

1. Assuming we will finally get our funding and the Predict extension I would support the extension of the study

2. Would more than welcome Stef's engagement

d

Dr Dennis Carroll  
Director  
Emerging Threats  
Global Health  
USAID  
301-646-6235

On Mar 13, 2019, at 7:49 PM, Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Also, Dennis may have this in front of him now & could weigh in now if so to make more efficient.  
So Dennis, if you are looking at email, please let us know your thoughts,  
Jonna

On Wed, Mar 13, 2019 at 11:45 AM Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)> wrote:

Thanks Dean,

We're all together now, so I'm sneaking a peek at your points to make sure I keep them in mind.

Initial reactions that I will confirm with Dennis:

1. I think a 3-month no cost extension is reasonable & can be sold to USAID for two reasons:

- USAID has still not provided us with our core funding for this year, so we have been limping along & been asked to slow efforts, so there is a justification for the justification on our side, as well as on theirs due lack of ability to mobilize the funds.
- USAID has discussed us having an overall Predict extension to do some extra work and have enough time to catch up from the problem above. If that extension is approved, extending this subaward would be fairly straightforward.

2. I'm also supportive and enthusiastic about Stef's participation. We will see what we can do, given the resources available. Did he give you a number for the RA's funding?

Happy to discuss further if desirable,  
Jonna

On Wed, Mar 13, 2019 at 8:49 AM Dean Jamison <[djamison@uw.edu](mailto:djamison@uw.edu)> wrote:

Dear Jonna

I'm looking forward to our meeting shortly and to seeing you again.

Here are two points on the BCA workplan you may wish to bear in mind during the meeting and for us to discuss and decide later.

1. The effort is now well under way but did have a few months delay in starting up. We would like to request a 3 month no-cost extension for both Metabiota and UCSF. This would take the project through the end of December. The main body of work will still be complete by September. The extension will allow time for preparation for publication and for our participation in any dissemination related conversations or meetings that you or Dennis might find useful.

2. Stef Bertozzi joined Ben, Nita and me by phone for part of our last SF meeting. This was enormously valuable. Stef will serve on the advisory group even though he is unable to join today's meeting in person. But more than that he is actually quite enthusiastic about the project and is willing to devote considerable time in the April-September period. This would just be very useful and would add substantially to the economics input. There are resource implications to engaging him more substantially. He does NOT need salary support at UCB. What he would greatly welcome is research support -- mostly in the form of an RA at UCB. Would it be possible for the resources at UCD to support this? In addition Metabiota would be prepared to offer a small honorarium to Stef personally from their internal resources -- on the order of \$7500. I personally would greatly welcome this opportunity to take advantage of Stef's expressed interest.

Best

Dean

Sent from my iPad

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 04/23/2019 6:03:28 AM (-07:00)  
**To:** "William Karesh" <Karesh@ecohealthalliance.org>; "Peter Daszak" <daszak@ecohealthalliance.org>  
**Cc:** "PREDICTMGT" <predictmgt@usaid.gov>; "David J Wolking" <djwolking@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** Fwd: EIDITH and data and permissions (Oh my!)

Tim asked me to help nudge this along.

Thanks!

Andrew Clements, Ph.D.  
Senior Scientific Advisor  
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Mobile phone: 1-571-345-4253  
E-mail: [aclements@usaid.gov](mailto:aclements@usaid.gov)

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

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

**From:** **Timothy Meinke** <[tmeinke@usaid.gov](mailto:tmeinke@usaid.gov)>  
**Date:** Mon, Apr 15, 2019 at 11:56 AM  
**Subject:** Re: EIDITH and data and permissions (Oh my!)  
**To:** <[olival@ecohealthalliance.org](mailto:olival@ecohealthalliance.org)>  
**Cc:** <[latinne@ecohealthalliance.org](mailto:latinne@ecohealthalliance.org)>, Joko Imung Pamungkas <[REDACTED]>, <[REDACTED]>, Suryo SAPUTRO <[REDACTED]>, P&RMGT <[PRMGT@usaid.gov](mailto:PRMGT@usaid.gov)>, Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)>, Jim Mcgrane <[REDACTED]>, Luuk Schoonman <[REDACTED]>

Hi again Kevin -

Just wanted to bump this urgent request up in your busy inbox.

FYI also that FAO will have its third batch of risk mapping next week involving the key ministries. Very interesting progress but the process of having everyone sitting at the table talking about risk has been hugely beneficial in itself! Still, some TA would always be welcome if you find yourself in our neighborhood.

- Tim

Sent from my iPhone

> On Mar 6, 2019, at 11:14 PM, Timothy Meinke <[tmeinke@usaid.gov](mailto:tmeinke@usaid.gov)> wrote:

>

> Hi Kevin -

>

> Hope this finds you well, wherever that may be.

>

> We had the pleasure of welcoming Alice to Jakarta this week and she and some colleagues are now off to

Sulawesi for the last legs of the behavioral and other work. As usual, the Predict Indonesia team is doing amazing work and actively involved on a number of very productive fronts and working in close partnership with other members of the EPT2 family. Recognizing all that has been done, our hope is that the government will soon provide the necessary approvals so that the team can begin sharing the fruits of all these labors under EPT-1 and 2!

>

> On that note, we wanted to reach out to you for some advice and potential help. Under the triangulated surveillance work, the Ministry of Agriculture is looking less and less likely to approve the uploading of FAO's data into the EIDITH system. With that, and while we are still trying, we need to have a Plan B in place which would entail doing the relevant analysis (looking across data at the phylogenetic trees, comparing sequences, etc) and quality assurance of the DIC data here in-country.

>

> The question for you, therefore, is what would that entail and what support could PREDICT HQ provide to the in-country team to do that (or most of that) work? In discussions with the folks here, there is a strong sense that we have the in-country capacity to do this but would still need some support and guidance to make the maximal use of the triangulated surveillance data and coordinated program.

>

> I'll leave it to others on this e-chain to chime in but wanted to ask this question as the clock is ticking very loudly and we need to be ready if MOA ultimately says no (or simply doesn't make a decision).

>

> Thanks much for any and all guidance and advice. Tomorrow is Nyepi (Silent Day) here in Indonesia, so here's wishing everyone a bit of peace!

>

> - Team Jakarta

>

> P.s. our open invitation to Indonesia still stands, of course, including for risk-mapping input as that continues to move forward.

>

> Sent from my iPhone

**From:** "Rushton, Jonathan" <[REDACTED]>  
**Sent:** 12/08/2019 4:01:45 AM (-08:00)  
**To:** "Peter Daszak" <daszak@ecohealthalliance.org>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Cc:** "maradford@ucdavis.edu" <maradford@ucdavis.edu>; "[REDACTED]"; "Alison Andre" <andre@ecohealthalliance.org>; "Shah, Cecilia" <[REDACTED]>; "Ogawa, V. Ayano" <[REDACTED]>; "Chukwurah, Chinenye" <[REDACTED]>; "Goodtree, Hannah" <[REDACTED]>  
**Subject:** Re: Climate Change and Human Health Meeting of Experts Agenda and more!

Thanks Peter,

ASF will probably reshape the pig industry and it may well change the shape of the livestock sector. We have not had a major disease outbreak in livestock without any immunologicals for a long time and it will be a test to see if the industry and governments can come up with management methods that bring the disease under reasonable control. I personally do not think that test and slaughtering will work as people forget to get rid of the virus, they focus only on killing the animals.

Kind regards

Jonathan

Jonathan Rushton

[REDACTED]

---

**From:** Peter Daszak <daszak@ecohealthalliance.org>  
**Date:** Friday, 6 December 2019 at 18:17  
**To:** Jonathan Rushton <[REDACTED]>, Jonna Mazet <jkmazet@ucdavis.edu>  
**Cc:** "maradford@ucdavis.edu" <maradford@ucdavis.edu>, [REDACTED], Alison Andre <andre@ecohealthalliance.org>, "Shah, Cecilia" <[REDACTED]>, "V. Ayano Ogawa" <[REDACTED]>, "Chukwurah, Chinenye" <[REDACTED]>, "Goodtree, Hannah" <[REDACTED]>  
**Subject:** RE: Climate Change and Human Health Meeting of Experts Agenda and more!

Not directly, but the meeting's not that granular really – these are overview lectures, followed by discussion to see where NASEM can play a role in dealing with the issue. The good news is that everyone in the room is interested and wants to do something. The President of NAM is making this issue a key part of the strategy for NASEM collaboration over the next few years, and they understand that this isn't just about air pollution and malaria.

I did highlight some livestock impacts in my overview – Rift Valley Fever, Schmallenberg, Bluetongue etc. as well as impacts on wildlife...

Cheers,

Peter

**Peter Daszak**

President

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474  
Website: [www.ecohealthalliance.org](http://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:** Rushton, Jonathan [REDACTED]  
**Sent:** Friday, December 6, 2019 1:59 AM  
**To:** Jonna Mazet; Peter Daszak  
**Cc:** 'maradford@ucdavis.edu'; [REDACTED] Alison Andre; Shah, Cecilia; Ogawa, V. Ayano; Chukwurah, Chinenye; Goodtree, Hannah  
**Subject:** Re: Climate Change and Human Health Meeting of Experts Agenda and more!

Dear Peter, Jonna,

Was there any discussion on African swine fever at the meeting this week?

Kind regards

Jonathan

Jonathan Rushton

[REDACTED]

---

**From:** "Amponsah, Edith" <[REDACTED]>  
**Date:** Wednesday, 4 December 2019 at 15:47  
**To:** Jonna Mazet <jkmazet@ucdavis.edu>, Peter Daszak <daszak@ecohealthalliance.org>, Kevin Anderson <kevin.anderson@dhs.gov>, "Sally A. Miller" <miller.769@osu.edu>, 'David Rizzo' <dmrizzo@ucdavis.edu>, Elizabeth Hermsen <elizabeth.hermsen@merck.com>, "Mary E. Wilson" <mewilson@hsph.harvard.edu>, 'Gail Hansen' [REDACTED], "Barton Behravesh, Casey (CDC/DDID/NCEZID/OD)" <dlx9@cdc.gov>, "jmhughe@emory.edu" <jmhughe@emory.edu>, "mlichtve@tulane.edu" <mlichtve@tulane.edu>, "apruden@vt.edu" <apruden@vt.edu>, Jonathan Rushton <[REDACTED]>,  
**Cc:** "'maradford@ucdavis.edu'" <maradford@ucdavis.edu>, [REDACTED],  
"andre@ecohealthalliance.org" <andre@ecohealthalliance.org>, "Shah, Cecilia" [REDACTED], "V. Ayano

Ogawa" <REDACTED>, "Chukwurah, Chinenye" <REDACTED>, "Goodtree, Hannah"  
<REDACTED>

**Subject:** Climate Change and Human Health Meeting of Experts Agenda and more!

Dear OHAC members,

I am following up on my last email to you all with the agenda for the Emerging Issues in Climate Change and Human Health Meeting of Experts that will occur December 5-6, 2019 at the NAS Building.

I have also attached the updated agenda for the FMT Workshop on Exploring the Frontiers of Innovation to Tackle Microbial Threats. If you are unable to join us for the meeting in person but would still like to join, you may do so via our webcast. Please visit this website (<http://nationalacademies.org/hmd/Activities/PublicHealth/microbialthreats/2019-DEC-04.aspx>) to register for the meeting and to join us live this afternoon and tomorrow.

Thank you,  
Edith

-----

**Edith Amponsah**

Research Associate

Forum on Microbial Threats

Health and Medicine Division

The National Academies of Sciences, Engineering, and Medicine

500 Fifth Street, NW

Phone: 202-334-3222

[www.nationalacademies.org/HMD](http://www.nationalacademies.org/HMD)

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**From:** "Peter Daszak" <daszak@ecohealthalliance.org>  
**Sent:** 01/09/2020 11:02:44 AM (-08:00)  
**To:** "Karen Saylor" <[REDACTED]>; "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Prof. Jonna Mazet" <jkmazet@ucdavis.edu>; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Tracey Goldstein" <tgoldstein@ucdavis.edu>; "William B. Karesh" <karesh@ecohealthalliance.org>; "Elizabeth Leasure" <ealeasure@ucdavis.edu>; "Mary Radford" <maradford@ucdavis.edu>; "Alison Andre" <andre@ecohealthalliance.org>; "predict@ucdavis.edu" <predict@ucdavis.edu>; "Aleksei Chmura" <chmura@ecohealth.net>  
**Subject:** RE: Change of data meeting dates?  
**Importance:** High

I can do those dates and have blocked them out ready.

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance  
460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor  
New York, NY 10001

Tel. +1 212-380-4474

Website: [www.ecohealthalliance.org](http://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:** Karen Saylor <[REDACTED]>  
**Sent:** Thursday, January 9, 2020 1:59 PM  
**To:** David J Wolking  
**Cc:** Prof. Jonna Mazet; Christine Kreuder Johnson; Tracey Goldstein; William B. Karesh; Peter Daszak; Elizabeth Leasure; Mary Radford; Alison Andre; predict@ucdavis.edu; Aleksei Chmura  
**Subject:** Re: Change of data meeting dates?

Those dates work for me.

cheers,

Karen

On Thu, Jan 9, 2020 at 10:53 AM David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Hi there,

Looks like USAID is now shying away from our confirmed March 25-27th dates and looking at the previous week (March 16-20, 2020). How does that look for you all? Just including key personnel for a quick poll at this time.

Thanks,

David

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

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

Date: Thu, Jan 9, 2020 at 7:11 AM

Subject: Change of data meeting dates?

To: Jonna Mazet <[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)>, <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)>, Christine Kreuder Johnson <[ckjohnson@ucdavis.edu](mailto:ckjohnson@ucdavis.edu)>

Cc: <[predictmgt@usaid.gov](mailto:predictmgt@usaid.gov)>

Hi,

I was asked to see if 1 week earlier in March would work for the data meeting. It turns out there are other things going on in Washington during that last week of March.

We realize moving the dates up may mean that some people may not be able to attend, but would we have enough of the key people?

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](mailto:aclements@usaid.gov)*

**From:** "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Sent:** 01/14/2020 11:29:37 AM (-08:00)  
**To:** "Peter Daszak" <daszak@ecohealthalliance.org>; "Katie Leasure" <kaleasure@ucdavis.edu>  
**Cc:** "Samtha Maher" <maher@ecohealthalliance.org>  
**Subject:** Re: draft GVP Board meeting Agenda for your comments/changes

Great, copying in Katie for help with the room reservation logistics.  
Katie, please charge to GVP.  
Thanks,  
Jonna

P.S. Love the Brussels Sprouts at Blue Duck ;)

On Sun, Jan 12, 2020 at 8:24 PM Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> wrote:

Thanks Jonna – agree re. dinner the night before and I’ve accepted all your changes in this version.

Samantha – please change the reservation at the Blue Duck for the 12<sup>th</sup> Feb at 7pm if possible, or we can find another restaurant of similar caliber (Robert has a list).

Please check the agenda for any errors, and if this looks correct I’ll circulate tomorrow. We then need to get the docs together and send them out.

Jonna – I’ve checked in with Julie Pavlin on renting the room at the Keck Center – it can’t be free this time, and will cost around \$1,000 or so (Room rate is between \$510-760 per day depending on which rooms are available. AV support is \$80.00 per hour per day, food on top of that). I’ve asked her to go ahead at this point and book the room, assuming that the charge can be to any remnant GVP funds you’re managing, or other funds we’ve both got. I think it’s very reasonable

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance

460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor

New York, NY 10001

Tel. +1 212-380-4474

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**From:** Jonna Mazet [mailto:[jkmazet@ucdavis.edu](mailto:jkmazet@ucdavis.edu)]

**Sent:** Wednesday, January 8, 2020 10:42 PM

**To:** Peter Daszak

**Cc:** Samtha Maher

**Subject:** Re: draft GVP Board meeting Agenda for your comments/changes

Thanks for the peek -- my comments/suggestions attached.

Talk to you tomorrow.

Happy New Year!

J

On Wed, Jan 8, 2020 at 8:34 AM Peter Daszak <[daszak@ecohealthalliance.org](mailto:daszak@ecohealthalliance.org)> wrote:

Hi Jonna – here's a draft agenda for the GVP board meeting.

Can you edit/comment on this so you and I can get it lined up before the meeting Thursday...

Cheers,

Peter

**Peter Daszak**

*President*

EcoHealth Alliance

460 West 34<sup>th</sup> Street – 17<sup>th</sup> Floor

New York, NY 10001

Tel. +1 212-380-4474

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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" <aclements@usaid.gov>  
**Sent:** 03/24/2020 7:26:46 AM (-07:00)  
**To:** "David J Wolking" <djwolking@ucdavis.edu>  
**Cc:** "Jonna Mazet" <jkmazet@ucdavis.edu>; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "PREDICTMGT" <predictmgt@usaid.gov>  
**Subject:** Re: PPE pause

Not surprising. The pipeline will be blocked until new cases start going down.

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

On Mar 24, 2020, at 1:45 PM, David J Wolking <[djwolking@ucdavis.edu](mailto:djwolking@ucdavis.edu)> wrote:

Acknowledged, thanks Andrew, unfortunate but understandable. Admittedly we haven't had much success exploring PPE procurement given the current situation.

David

On Tue, Mar 24, 2020 at 3:29 AM Andrew Clements <[aclements@usaid.gov](mailto:aclements@usaid.gov)> wrote:  
We've been told to inform all partners to "pause all purchases of PPE and ventilators with USAID funds immediately."

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

**From:** "Andrew Clements" <aclements@usaid.gov>  
**Sent:** 05/12/2020 11:50:47 AM (-07:00)  
**To:** djwolking@ucdavis.edu; "Christine Kreuder Johnson" <ckjohnson@ucdavis.edu>; "Jonna Mazet" <jkmazet@ucdavis.edu>  
**Subject:** No change in PPE pause

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