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RESPOND YEAR FOUR QUARTERLY REPORT

EMERGING PANDEMIC THREATS PROGRAM

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TABLE OF CONTENTS

- TABLE OF CONTENTS 2
- ACRONYMS..... 3
- EXECUTIVE SUMMARY 4
- I. AFRICAN ACTIVITIES 5
- II. SOUTHEAST ASIA ACTIVITIES 12
- III. LEVERAGING RESPOND FOR GREATER IMPACT..... 17
- IV. APPENDICES: 19
 - APPENDIX I: SUCCESS STORIES AND REGION HIGHLIGHTS 19

ACRONYMS

AFENET	Africa Field Epidemiology Network
AFRO	WHO – Regional Office for Africa
CDC	Centers for Disease Control and Prevention
COVAB	Makerere University College of Veterinary Medicine, Animal Resources and Biosecurity (Uganda)
DRC	Democratic Republic of Congo
DTRA	Defense’s Threat Reduction Agency
DVO	District Veterinarian Officer
E&E	Ecology & Environment, Inc.
EPT	Emerging Pandemic Threats Program
IDSR	Integrated Disease Surveillance and Response
M&E	Monitoring and Evaluation
MAAIF	Ministry of Agriculture, Animal Industries and Fisheries (Uganda)
MOU	Memorandum of Understanding
MVPM	Masters of Veterinary Preventive Medicine
OHCC	One Health Core Competencies
OHCEA	One Health Central and Eastern Africa Network
SEA	Southeast Asia Regional Office
SEAOHUN	Southeast Asia One Health University Network
TRG	Training Resources Group, Inc.
TUSK	Tufts University Science Knowledgebase
UMN	University of Minnesota
UNIKIN	University of Kinshasa
USAID	U.S. Agency for International Development

EXECUTIVE SUMMARY

RESPOND's focus during Quarter Two of Year Four (January 1 to March 31, 2013) was continuing support to the development of One Health University Networks in Africa (OHCEA) and Southeast Asia (SEAOHUN). The University of Minnesota (UMN) and Tufts University continued to work closely with both OHCEA and SEAOHUN to engage with faculty, students and administrators at member faculties.

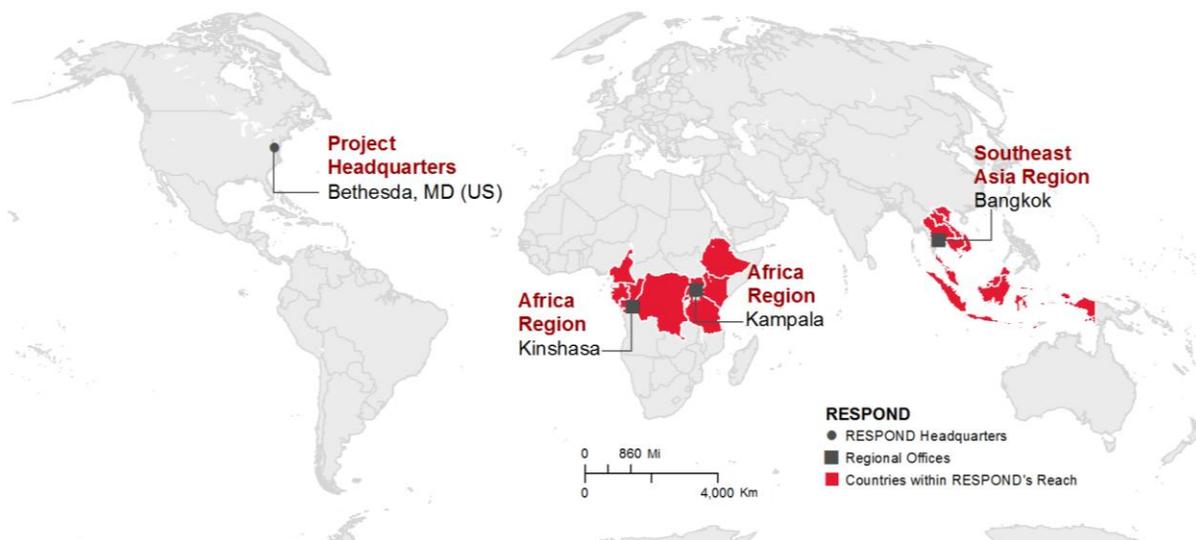
The Africa Regional Office supported OHCEA as it promoted One Health in member countries, worked with OHCEA country institutions to strengthen and develop university curriculum with a One Health focus, and facilitated engagement between WHO-AFRO and the Government of Uganda. The Africa Regional Office achieved the following three accomplishments:

1. Supported OHCEA in promoting One Health in member countries and strengthened OHCEA
2. Supported the successful engagement between WHO-AFRO and the Government of Uganda
3. Supported development of academic and field programs

Having completed the One Health Core Competencies (OHCCs) last quarter, the Southeast Asia (SEA) Regional Office focused on publicizing RESPOND at the Prince Mahidol Award Conference, and helping faculty begin using the OHCC to develop courses and content.

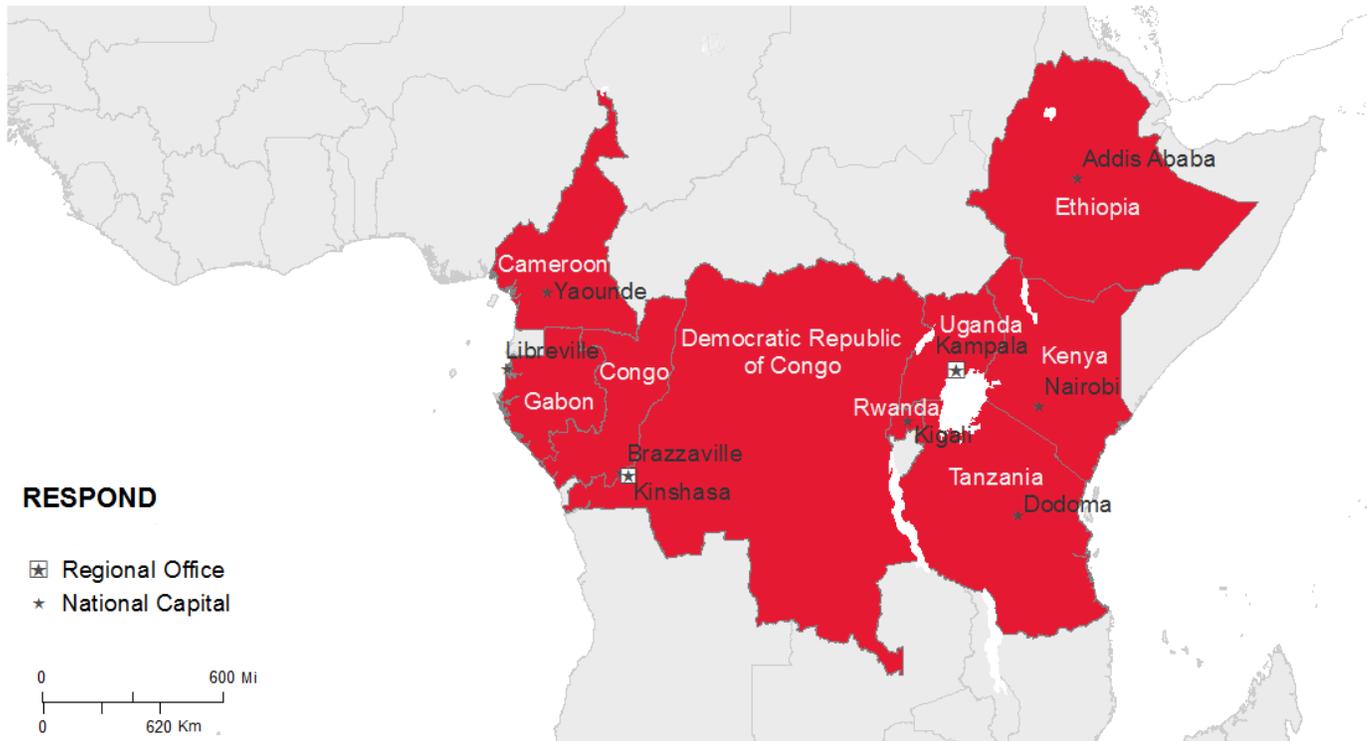
1. Convened the SEAOHUN and OHCEA Summit at the Prince Mahidol Award Conference
2. Held faculty development workshop series (Malaysia and Indonesia)
3. One Health short course development workshop

RESPOND partners have also been able to leverage RESPOND activities and funding to generate additional opportunities for research, exchanges, and projects.



The global map above displays where RESPOND currently works (in red). RESPOND Regional Hub Offices are located in Kampala (Uganda), Kinshasa (Democratic Republic of Congo), and Bangkok (Thailand), covering two regions considered hot-spot areas for the emergence and re-emergence of zoonotic pandemic threats.

I. AFRICAN ACTIVITIES

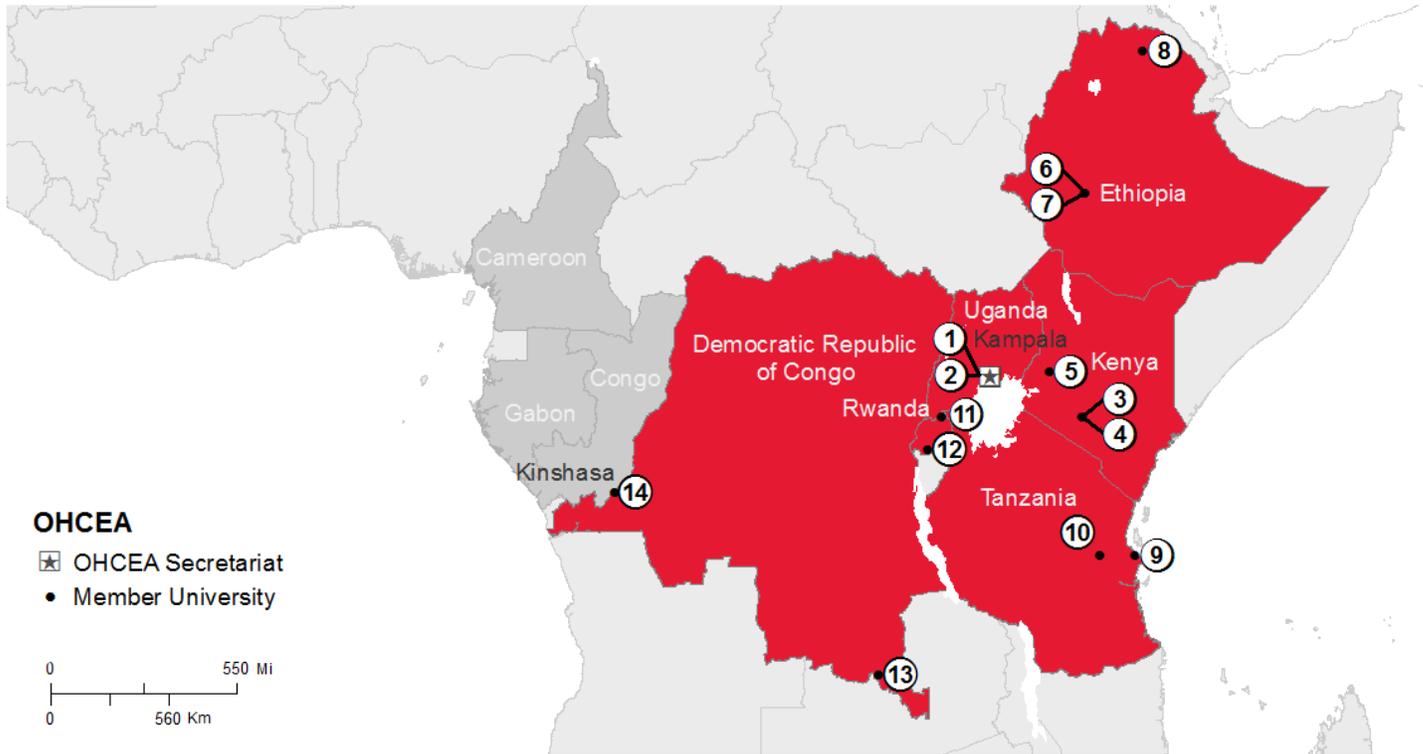


The RESPOND project operates in Eastern, Central and West Africa through support to a network of universities that integrates schools of Public Health and Veterinary Medicine, using the One Health approach to diseases outbreaks in several countries.

OHCEA (One Health Central and Eastern Africa) currently has 14 schools of Public Health and Veterinary Medicine as members, in six countries – Uganda, Tanzania, Rwanda, Ethiopia, Kenya and Democratic Republic of Congo. Its Secretariat is located in Kampala, Uganda, and the regional office in Uganda supports the implementation of activities.

During Quarter 2 of Year 4 (January-March, 2013), RESPOND/Kampala supported OHCEA as it promoted One Health throughout the region, and began engaging with key partners, such as WHO-AFRO.

KAMPALA REGIONAL OFFICE ACTIVITIES



The map above represents the reach of the Kampala Regional Office through OHCEA (One Health Central and Eastern Africa university network).

MAJOR ACCOMPLISHMENTS

SUPPORTED OHCEA IN PROMOTING ONE HEALTH IN MEMBER COUNTRIES AND STRENGTHENED OHCEA

One Health Promotion

Democratic Republic of Congo – On January 12th OHCEA supported the national launch of One Health in the DRC. The Minister of Higher Education presided over the event, and representatives from the Ministries of Health, Agriculture, and environment; the One Health Federation; OHCEA DRC member universities; the OHCEA Secretariat and RESPOND attended. Cultural groups carrying the One Health message made the launch lively, and entertained the estimated 150 people in attendance. The DRC press covered the event widely on local radio and TV, generating public awareness of One Health.

Ethiopia – On March 16th the President of Jimma University presided over the One Health launch in Ethiopia. Representatives from the Ministries of Education, Health, and Agriculture; OHCEA member schools (Jimma and Mekella Universities); other higher



education institutions with programs and interests in One Health (Gondar and Addis Ababa Universities); professional associations, the OHCEA Secretariat and RESPOND attended the launch. Gondar and Addis Ababa Universities' attendance was particularly important for the quality of dialogue and debate at the launch. Their interest is indicative of OHCEA's future growth in Ethiopia.

Uganda – From February 11th to 15th OHCEA sponsored a “One Health Week” in Uganda filled with a series of OHCEA related events promoting One Health in Uganda. These events included leadership training, a One Health awareness lecture, and a One Health Scientific Conference.

- Leadership Training: At OHCEA's request, Terry Denny and Linda Valeri conducted a One Health Leadership Training for 50 District Health Officers and District Veterinary Officers from 20 disease “hot spot” districts in Uganda. The OHCEA-funded One Health Residents and the expanded Masters in Veterinary Public Health students at Makerere University also attended the event. (For more information on the leadership training please see the success story attached.)
- One Health Lecture at Makerere University: Dominic Travis presented a lecture on One Health to Makerere students and faculty from a variety of its schools and colleges. In addition to promoting One Health awareness, the event featured the launch of the One Health Residency program and announcement of the expanded Masters in Veterinary Preventative Medicine both hosted by Makerere University College of Veterinary Medicine, Animal Resources and Bio-security, funded by OHCEA. The three pioneer students from Uganda (2) and Kenya (1) have commenced their course work on the One Health Residency program and 12 (two from each of the OHCEA member countries) students commenced their studies on the two-year MVPM course.

- One Health Scientific Conference: The Uganda Medical Association (UMA) and the Uganda Veterinary Association jointly organized a One Health conference from February 14th to 16th. Chaired by the President of Uganda Medical Association and President-elect of the World Medical Association, Dr. Mungherera, with USAID's Rob Henry serving as the keynote speaker, the event included presentations from a number of key leaders in the One Health



movement in Uganda, including Principle John David Kabasa, Co-PI of OHCEA. The title of the conference was “*Disease Eradication: What Will It Take?*” with the purpose to raise awareness about the One Health approach in eliminating and eradicating disease, and to identify areas of collaboration between UMA and UVA. Participants included policy makers, health planners, researchers, clinicians, academicians, and civil society organizations working in the human and animal health sectors from Uganda, Ethiopia, Tanzania, Nigeria and the DRC. The conference concluded with the signing of a MOU between the UMA and UVA. (For more on the conference please see the success story attached.)

Strengthened OHCEA

Organizational strengthening of OHCEA network – During this quarter, OHCEA continued to focus on its development as a network. The OHCEA Board ratified the OHCEA organizational assessment report that was completed in October and presented to the board in December 2012. RESPOND received a request from the OHCEA Board to assist the network in implementing the recommendations from the organizational assessment. At the request of the OHCEA Board, RESPOND presented its draft framework of support at the board meeting in February 2013 in Dar es salaam, Tanzania addressing the following key needs:

- The development of a strategy for generating new funds,
- Strengthening board governance,
- Skills development of the Secretariat, and
- Training in leadership, management and communications.

The Board prioritized funding, skills development and board governance. RESPOND is working directly with the Secretariat to develop direct support around these prioritized activities. OHCEA will work with RESPOND to interview with the Board members to initiate a framework that addresses the Board's strengthening and governance functions. Paul Purnell traveled to the region, engaged Board members, and was an observer during the Board meeting in February to better understand its function.

OHCEA Board Meeting and Deans Summit – OHCEA's Board Meeting and Deans Summit were held in Dar es Salaam during the week of February 18th. Due to security concerns around Kenya's presidential elections, the meetings were moved from Kenya to Tanzania. The successful meetings included the ratification of OHCEA's revised PMP and the deans' participation in a leadership workshop that RESPOND facilitated.

Country Administrators Training – RESPOND's Regional Grants Officer and OHCEA's Senior Administrator co-facilitated a refresher training for OHCEA's Country Administrators. Held from February 12th to 14th, the objectives of the training included:

- Develop skills in financial document review, including OHCEA's financial reports;
- Develop understanding of the systems that the OHCEA country offices use;
- Establish performance goals for each of the Country Administrators; and
- Reinforce understanding of OHCEA's operational policies and the applicable USAID regulations.

Short courses in investigative research – RESPOND provided several short courses to OHCEA institution faculty members including multidisciplinary grant writing (Ethiopia), study design and research methods (Ethiopia and Rwanda), One Health advocacy (Uganda), Entrepreneurship training (Uganda), environmental health economics (Rwanda), Epidemiology (Rwanda).

Customization of E-learning platform TUSK – TUSK installation and customization continues in Ethiopia, Rwanda. RESPOND is working with DRC, Kenya and Uganda to develop continuous training in TUSK and related technologies. Dr. Diafuka Saila-Ngita, the TUSK support team and the IT teams from the Universities of Kinshasa and Lubumbashi worked on finalizing TUSK to ensure it is ready to be used during courses and workshops scheduled for April.

Enhancing faculty and student experiences – In support of developing One Health regional collaboration sites, RESPOND, and faculty from Sokoine and Makerere Universities performed a baseline survey to identify research and student field practicum opportunities, and potential intervention areas with local communities. They reviewed existing field-based programs, conducted situational analysis and planning/preparation for each site and engaged local and national stakeholders to ensure that activities align with priorities and existing activities.

SUPPORTED THE SUCCESSFUL ENGAGEMENT BETWEEN WHO-AFRO AND THE GOVERNMENT OF UGANDA

During the quarter, RESPOND facilitated a team from RESPOND and WHO-AFRO to conduct a series of meetings with Government of Uganda officials and key stakeholders including the CDC, USAID, WHO Uganda and USAID's Emerging Pandemic Threats (EPT) projects. The objective of the meetings was to support WHO-AFRO's introduction and beta-testing of the draft integration of One Health into its IDSR framework.

Throughout January, RESPOND hosted a mission planning meeting with participants from the Ugandan Ministry of Health, CDC, USAID, WHO-AFRO, WHO Uganda, PREDICT and RESPOND. Furthermore, the RESPOND team (Linda Spink, Margaret Morehouse, Douglas Hatch, Helen Petrozzola) in collaboration with WHO-AFRO's Dr. Tshioko, WHO Uganda's Dr. Charles Okot, and USAID EPT Regional Coordinator, Lisa Kramer met individually with Ugandan Government officials and other relevant stakeholders in Uganda to:

- explain the beta-testing process and to secure their cooperation and support,
- gather needed background and contextual information, and
- discuss the strengths and challenges for Uganda in responding to outbreaks.



As a follow-up to these preliminary meetings, RESPOND assisted the WHO-AFRO in organizing the first beta-testing workshop in Kampala from March 25th to 27th, with a focus on understanding the WHO/AFRO Framework. The workshop brought together 47 key Uganda government officials from the Ministries of Health and Animal Industry and Fisheries, and other stakeholders including the CDC, Conservation Through Public Health, the Civil Aviation Authority, the Uganda Virus Research Institute, Uganda People's Defense Forces, and

WHO Uganda. The two and a half-day workshop was a highly interactive exercise where participants took active part in developing a shared understanding of the WHO Framework, providing specific feedback to WHO-AFRO on the clarity, value added, gaps, and enhancements that could be made to the final version of the framework.

The main outcome of this workshop was the development of a concise and easy to use managerial guideline for strengthening preparedness, alert management, investigation and response to public health events of all causes focusing mainly on the National Level. The guideline can also be adapted for the district level. A scenario-based tabletop exercise that allows participants to use the framework to handle a realistic outbreak situation and practice, in real-time, making decisions and responding to emerging information according to relevant procedures and policies will be conducted in June 2013. Feedback from the participants will be used to improve the framework.

SUPPORTED DEVELOPMENT OF ACADEMIC AND FIELD PROGRAMS

Wildlife curriculum review and development in DRC and Uganda – Dr. Felicia Nutter, Dr. Innocent Rwego, and other wildlife experts, the University of Lubumbashi and Makerere University conducted curriculum review for its wildlife curriculum. They were also able to identify resource persons from the region to engage in the process. Preparations for the program's strategic plan and curriculum/program are underway. Sample curricula are being shared as reference documents.

Reviewing veterinary socio-economics and gender curriculum at Makerere University – Dr. Amuguni worked closely with Dr. Anthony Mugisha, the Dean of the Veterinary School at Makerere University to being the process of reviewing the veterinary socio-economics and gender curriculum. The curriculum will be revised to include a larger focus on gender and emerging pandemics; zoonosis and its impacts on the social, cultural and political dimensions on households and communities; epidemiology and using participatory approaches in handling gender-related issues in pandemic threats.

Veterinary Public Health curriculum at University of Kinshasa, DRC – With the support of Dr. Diafuka Saila Ngita, the University of Kinshasa began the process of developing a veterinary public health curriculum at UNIKIN by compiling multiple curricula from several institutions. The process will continue next quarter.

One Health CPD for veterinarians and medical doctors – RESPOND is working together with faculty at the University of Nairobi to develop a One Health continuous professional development module for both veterinarians and medical doctors. In March, meetings were held with Dr. Thaiya, Professor Kangethe and other faculty of the University of Nairobi to map out a strategy for development of the One Health CPD.

AFENET Participatory Impact Assessment (PIA) training and draft manual – Professor Brigitte Bagnol performed the second PIA training with AFENET program managers. A draft PIA manual is currently being reviewed.

MAJOR CHALLENGES AND PLANS TO OVERCOME THEM

There were two major challenges for RESPOND in the region during the quarter: finishing restructuring the project's management staff and OHCEA's challenges in managing cash flow.

REGIONAL REORGANIZATION

Last October RESPOND commenced reorganizing the project's regional management to be an integrated model across the two offices in Kampala and Kinshasa, rather than having them operating independently. At the close of the previous quarter the Regional Director mapped the OHCEA's regional demands with those in the two offices and commenced adapting the office structures accordingly. The following changes were then implemented this quarter:

Kinshasa Office:

- Based upon program demands, the Training Officer was laid off;
- Based upon anticipated activity needs, the Logistics Officer was laid off; and
- Due to the fact that the remaining regional RESPOND grants were issued and are managed from the Kampala office, the Grants Officer was laid off.

Kampala Office:

- In March, one of the Program Managers announced his resignation, effective April 5th. Due to anticipated program demands, his position will not be filled.

Such changes affect staff morale, which is an area of concern and focus for the Regional Director and Deputy Regional Director moving forward.

The project is actively working in improving the linkages between the two offices through:

- Improved communication between the teams;
- Integrated monitoring and evaluation (M&E) strategy between the two M&E Officers; and
- Frequent trips to the Kinshasa office by the Regional Director to maintain direct engagement with the Kinshasa-based team.

OHCEA'S CASHFLOW

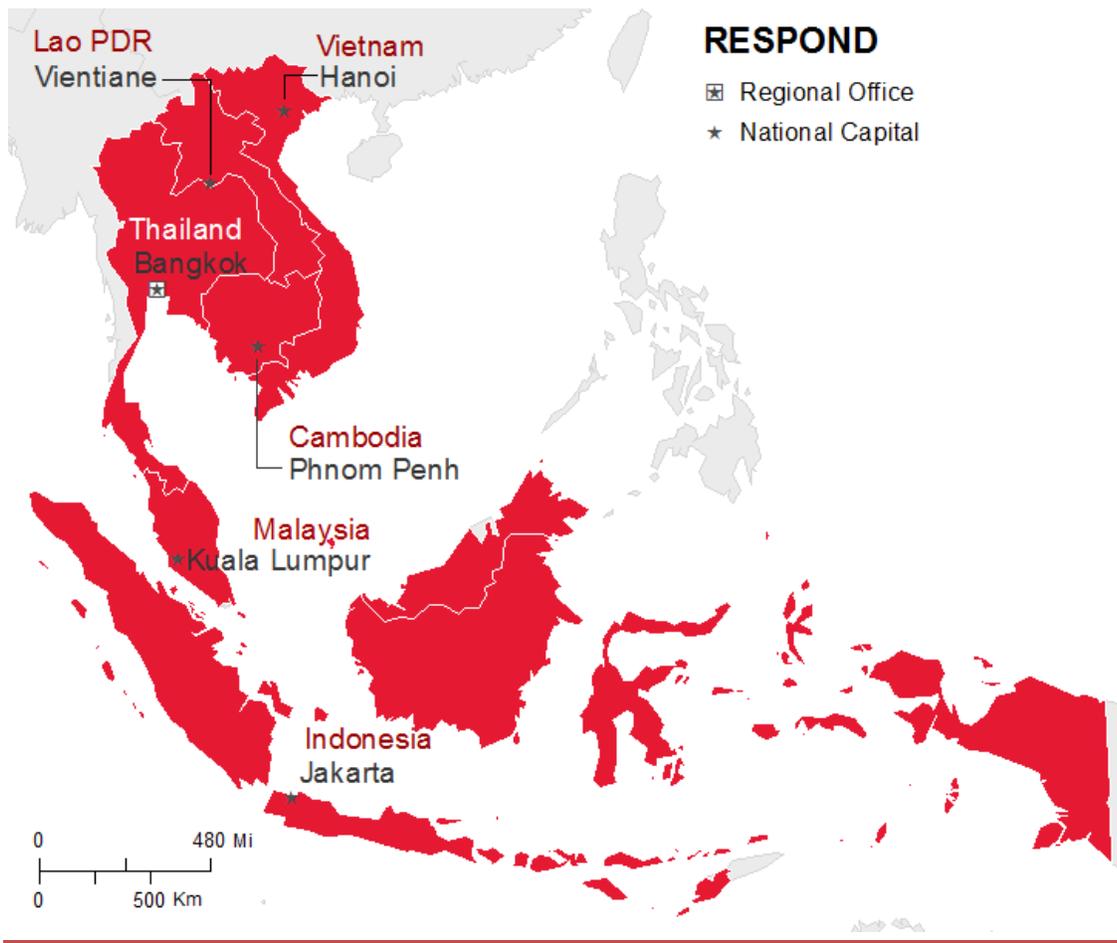
During the quarter OHCEA faced challenges in managing its cashflow. Specifically, OHCEA experienced a delay in the release of new funds from RESPOND due to a delay in the reporting of receipted costs against the program advances provided to it by RESPOND. This is a continuation of the challenges reported in the last quarterly report, partially due to the size of the backlog of reporting from OHCEA's country offices.

RESPOND is working closely with OHCEA to assist them with these processes through a number of means:

- OHCEA's Senior Administrator, working with the RESPOND Grants Officer visited the OHCEA DRC and Kenya country offices to review and address the reporting backlogs and to provide on-the-job training.
- In February, OHCEA conducted a Country Administrators' refresher training focused on financial reporting.
- RESPOND committed to support OHCEA by reviewing and approving/disallowing costs in two days, and replenishing advance funds against approved costs.

RESPOND will continue directly supporting the OHCEA Secretariat in identifying and addressing its skill and processing needs to improve its reporting systems' efficiencies. In addition, RESPOND is directly supporting the attendance of OHCEA's Senior Administrator and all of the Country Administrators to attend scheduled USAID Rules and Regulations training seminars being held in Uganda and Kenya in April and May respectively.

II. SOUTHEAST ASIA ACTIVITIES



The map above the Southeast Asia region displays where RESPOND currently works (in red). The stars represent capital cities, and Thailand’s capital city, Bangkok, is where the RESPOND Southeast Asia Regional Hub Office is located.

MAJOR ACCOMPLISHMENTS

SEAOHUN AND OHCEA SUMMIT AT THE PRINCE MAHIDOL AWARD CONFERENCE (PMAC) 2013

As part of the 2013 PMAC, RESPOND successfully organized the OHCEA-SEAOHUN Summit on January 29th, promoting One Health’s transition from theory to practice with a theme of “A World United Against Infectious Disease: Cross-Sectoral Solutions.” There was full participation at the forum with approximately 120 invitees from OHCEA and SEAOHUN and walk-in participants, and government and non-government organizations working to fight against the infectious diseases.

PMAC 2013 was held from January 28th to February 2nd at the Centara Grand and Bangkok Convention Center in Bangkok, Thailand. RESPOND sponsored 36 participants from Southeast Asia and 35 from Africa to attend the conference.

The OHCEA-SEAOHUN Summit was conducted with three main objectives:

- Strengthen understanding of each network (organization, programs, and relationships with American universities).
- Explore areas for collaboration between the networks.
- Introduce the networks to the other EPT projects and lay the groundwork for potential future collaboration.

Representatives from several organizations, including member faculties of SEAOHUN and member organizations of OHCEA, USAID/Washington, USAID/RDMA, USAID missions in Indonesia and Vietnam and representatives from PREDICT and PREVENT projects attended the meeting. The SEAOHUN Board Chairman, Prof. Ali Ghufron Mukti, the PI of OHCEA, Prof. William Bazeyo, and the Director of USAID's Pandemic Influenza and Other Emerging Threats Program, Dr. Dennis Carroll, made opening remarks at the beginning of the session. The forum also covered:

- An overview, brief background and structure.
- Accomplishments to date.
- Current activities of SEAOHUN and OHCEA, and their collaboration with Tufts University and UMN.

The participants exchanged information and discussed possible strategies to engage governments in the implementation of One Health activities. An OHCEA representative made a presentation on how governmental engagement has occurred in Kenya. The meeting also introduced the participants to USAID's EPT programs, namely PREDICT and PREVENT. Dr. Jonna AK Mazet, Global Co-Director of PREDICT provided a brief presentation about PREDICT. Dr. Susan Zimicki, Technical Director of PREVENT, provided a briefing of PREVENT.

RESPOND anticipates there will be future collaboration between the two networks, PREDICT and PREVENT as they continue implementing their activities at the regional level. During the wrap-up session, the OHCEA representatives expressed their interest in strengthening their regional network by expanding the One Health network at the country level like that in Southeast Asia.

FACULTY DEVELOPMENT WORKSHOP SERIES (MALAYSIA AND INDONESIA)

As part of the effort to begin applying the finalized OHCCs, Donna Qualters, Raymond Hyatt, Stanley Fenwick and Jennifer Steele conducted two Faculty Development Workshops (FDWs) in Malaysia and Indonesia from February 19th to 22nd and February 25th to 28th, respectively. These workshops were two (2) out of the series of four (4) FDWs planned for SEAOHUN's four member countries. The specific objectives of the workshop were to:

- Enhance collegial relationships/leadership across the SEAOHUN network for pandemic-related planning, training, and response.
- Develop a working definition of One Health for SEAOHUN.
- Review and expand on prior regional OHCC work.
- Complete case study writing exercise.
- Complete grant development workshop.
- Discuss course development and identify next steps.

Twenty-five junior to mid-level faculty members participated in the first FDW in Malaysia. The participatory workshop started with an overview of One Health and the Core Competencies, and then moved on to learning how to use these to develop learning objectives, design curriculum modules and assess learning achievements. The second part of the workshop involved a One Health case study on leptospirosis, a priority disease in Malaysia and the region, and then using this as an example of how to develop a quality grant

application. By the end of the workshop, attendees were enthusiastically discussing next steps in their own faculties, including curriculum mapping against the Core Competencies, assessing gaps, filling gaps by developing appropriate material, plans for integrating the new material into courses, and developing grant applications to build a One Health evidence base for priority diseases. They also proposed follow on workshops and faculty development activities that RESPOND could support over the coming months.



Participants, instructors, village residents and University of Gadjah Mada students visiting a rural village near Yogyakarta, Indonesia. This field visit was part of the faculty development workshop to demonstrate a university-led community outreach initiative that seeks to use One Health concepts to improve health in the village.

enjoyed this activity, having developed a new understanding of the educational process and directly applicable to their work.

The overall participant feedback at the end of the workshops was very positive. Based on the comments received, future faculty development workshops will be planned to build on OHCC use in reviewing and developing curricula and expanded granted writing training for OH research proposals. THOHUN and VOHUN members have approved two additional FDWs to take place in late April and early May.

ONE HEALTH SHORT COURSE DEVELOPMENT WORKSHOP

After the One Health Core Competencies (OHCC) were completed, there was great enthusiasm for developing a regionally-relevant One Health Short Course which would be designed to be adjusted and integrated into curricula and used by faculties to train undergraduates, postgraduates and other outside groups (government staff, NGOs, etc). As the Executive Board discussed in December 2012, OHSC development workshops were proposed to develop a basic prototype of the course and its content/curriculum. The prototype would then be piloted and rolled out in the four member countries: Thailand, Vietnam, Malaysia and Indonesia.

The goal of the workshops is for SEAOHUN core faculty members to co-create a One Health introductory curriculum that:

- Combines human and animal health science with the principals of ecology and environmental science;
- Is customizable based on local situations, environmental priorities, and culture;
- Uses innovative and participatory learning methodologies.

The first OHSC workshop was held from March 19th to 20th in Bangkok, Thailand. It was organized and facilitated by Roberta Talmage, Dr. Felicia Nutter, Karin Hamilton and Jeein Chung, with Stanley Fenwick and Pornthip Rujisatian.

Participants agreed to a unified goal for a SEAOHUN One Health course: *to define and provide an understanding of One Health concepts, methodologies, and applications.*

Participants agreed to target three primary learning groups:

- Undergraduate students
- Graduate students
- Academic/faculty members

Participants reconfirmed the relevance of the SEAOHUN OHCC Domains (including the Thailand and Vietnam country-specific domains) and, in addition, identified seven Technical Domains:

1. Fundamentals of Infectious Disease
2. Infectious Disease Management
3. Epidemiology and Risk Analysis
4. Public Health
5. Ecosystem Health
6. Behavior Development
7. One Health Economics

Learning objectives were created for the OHCC Domains and the Technical Domains. In addition, it was agreed that the learning modules would focus on the Technical Domains with the OHCC Domains embedded in the technical lessons.

Between workshops, participants volunteered to work in regional, multi-disciplinary design teams on targeted technical and OHCC domains, to continue developing and refining the learning objectives (for each target audience), and to design content. RESPOND also volunteered to provide support for the design teams as required. To monitor progress, the design teams will have bi-weekly check in meetings; to ensure integrated content development, the entire workshop group will have monthly check-ins.

A second workshop has been tentatively scheduled for August 12th to 16th, 2013 in Thailand. The goal of the second workshop will be to define content and develop materials for the OH introductory course/curriculum, building upon the technical competencies and OH core competencies. A tentative date for a third workshop in one of SEAOHUN countries has also been set for October 28th to November 1st, 2013. The goal will be to pilot content and methodologies for teaching the One Health introductory course/curriculum. The workshop venue for the third one is yet to be determined.



MAJOR CHALLENGES AND PLANS TO OVERCOME THEM

SEAOHUN FOUNDATION REGISTRATION AND SUB-AWARD APPLICATION

Establishing the SEAOHUN Foundation is proving to be lengthy and costly, requiring intensive consultation between RESPOND and SEAOHUN members, as well as other key stakeholders.

The SEAOHUN Executive Board will be meeting during the last week of April and will have the opportunity to make key decisions regarding the formation of the Foundation. Guidance has been prepared to aid the Board in making decisions.

GRANTS MANAGER AND TRAVEL AND LOGISTICS COORDINATOR VACANCIES

The SEA office was operating without a Grants Manager and Travel & Logistics Coordinator, placing strain on other office members as they accepted additional responsibilities to ensure smooth operations. Recruiting for the positions proved to be difficult.

Fortunately, candidates have been identified and accepted for both positions. A full time Third Country National (TCN) has been recruited for the Grants Manager position and will begin to work on April 1, 2013. A Cooperating Country National (CCN) for Travel & Logistics Coordinator will start after long holidays in Thailand, April 17, 2013. An on-boarding and training plan is being crafted for both positions in order to facilitate a smooth and quick transition.

III. LEVERAGING RESPOND FOR GREATER IMPACT

In its fourth year of implementation, RESPOND is beginning to have positive impacts beyond its own scope. RESPOND's university partners have been able to leverage funding, generate additional interest, and conduct complementary research that will support the sustainability of the One Health promotion that has been RESPOND's priority.

PARTNERSHIP GRANT FOR TANZANIA OHCEA FOCAL PERSONS AND UMN

Tanzania OHCEA Focal Persons, Kilewo (MUHAS) and Mdegela (SUA), Katey Pelican and Dominic Travis (UMN) received a partnership grant to host a meeting in Tanzania entitled: Consultative Meeting on Zoonotic Diseases Research Needs Assessment for Tanzania. This workshop, comprised of animal and human health experts from Tanzania, as well as representatives from select external partners, sparked the creation of a working group that will meet annually under the auspices of the Chief Epidemiologist, Ministry of Health and the Prime Minister's Office. It has also been included in the Tanzania OHCEA country plan for 2013. The initial report is available upon request.

FOGARTY GRANT RECIPIENT TO WORK WITH UGANDA ONE HEALTH RESIDENCY PROGRAM

Dr. Kaylee Mhyre, UMN Graduate and AAAS fellow working for the Senate Committee on Homeland Security, is to receive a Fogarty Grant. She will work with the Ugandan One Health residency program on investigating rodent-borne zoonotic diseases in/around Hoima District with the Conservation and Ecosystem Health Alliance (CEHA). Previously Dr Sylvia Wanzala from Uganda received the same award.

STUDENT GRANT FOR WORK IN UGANDA RESULTING IN PUBLICATION

Sent student (Jan Mladonicky from CSU) with a grant to work on household zoonotic disease risk factor survey with CEHA and District Veterinary Office in Uganda last year. Publication is due out this year and will form part of DVO PhD proposal on Brucellosis this year.

UMN WRITING BOOK CHAPTER ON ONE HEALTH FOR AMERICAN SOCIETY OF MICROBIOLOGY

UMN is participating in a text being created by American Society of Microbiology on One Health. Submitted Chapter entitled: One Health: Lessons Learned from East Africa with inclusion of authors representing both RESPOND and OHCEA partners.

PARTNERSHIP BETWEEN UMN COLLEGE OF EDUCATION AND DEVELOPMENT AND RESPOND

Partnering with the University of Minnesota College of Education and Human Development's *Department of Organizational Leadership, Policy and Development (OLPD)*, has opened up a valuable collaboration opportunity for RESPOND. Members of the RESPOND M&E team, David Chapman and Amy Pekol, come from the OLDP department, whose areas of expertise include educational development, policy reform, teacher training, applied field research, program evaluation, and human resource development.

OLPD also hosts another large-scale evaluation project in East Africa and a related graduate seminar, in which graduate students conduct mixed methods research and help build the M&E capacity of partner organizations. Students involved in this seminar study research and evaluation design, receive training in qualitative and quantitative methodology, learn how to use software to collect and analyze data, conduct interviews and workshops in East Africa, and pursue professional development opportunities through publications and conferences.

Partnering with the OLPD department also provides a unique opportunity for the RESPOND project to tap into an extensive network of faculty and graduate student expertise, and strengthen university-to-university collaboration in the areas of evaluation capacity-building and professional development.

ONE HEALTH STUDENT CLUB IN RWANDA AND UMN PARTNER IN LOGO CONTEST

The One Health Student Club in Rwanda coordinated a logo contest in collaboration with the University of Minnesota RESPOND team. Support for the prizes and the t-shirts that will carry the logo was provided by non-RESPOND resources from within the University of Minnesota. The Student Club will sell the t-shirts to generate revenue for the students to use toward community service activities. All students were invited to participate in the contest; the Student Club Board coordinated the logistics in Rwanda. Six logos were submitted by students and judged according to artistic creativity and adherence to a One Health approach. Five judges independently scored each logo. Scores were added and averaged, resulting in one logo being selected. Refinements to the logo were made based on judge recommendations. The final logo is a reflection of the two schools in Rwanda (Umutara Polytechnic and Nyagatare Nursing School) and has graphics that represent animal, human, and environment interactions. The logo will be released at the official Student Club launch in late Spring 2013.

JOINT PROPOSAL BETWEEN MAKERERE UNIVERSITY AND UMN

A joint proposal between Makerere University and the University of Minnesota was submitted to DTRA to create a regional diagnostic center for animal diseases. Discussions are continuing on the scope and breadth of such a center. This project was initiated and is led by Dr. Mac Farnham.

OIE FUNDING “FIRST DAY COMPETENCY” EDUCATION GRANT FOR CHIANG MAI UNIVERSITY AND UMN

OIE has agreed to fund a “First Day Competency” education grant for Chiang Mai University and the University of Minnesota. This grant will focus on developing veterinary student skills, particularly in public health. Dean Lertrak of CMU and Professor Hueston of UMN will lead this effort.

INSTITUTE FOR WORLD JUSTICE FUNDING A GRANT IN RWANDA THROUGH TUFTS

The Institute for World Justice, a LLC funded by the Cummings Foundation, will fund the grant entitled, “Enhancing Veterinary Clinical and Diagnostic Capacity in Rwanda: Establishment of an Ambulatory Clinic with On-Site Diagnostic Capability and One Health Professional Development for Veterinarians and Para-veterinarians.” Dr. Melissa Mazan (Tufts) will serve as the PI, with Dr. Robert Kibuuka (Umutara Polytechnic) serving as the principal collaborator, and Dr. Hellen Amuguni (Tufts) serving as the co-investigator.

LINKAGE BETWEEN UNIVERSITY OF NAIROBI AND TUFTS RESULTS IN PROPOSAL

Tufts linked Dr. Dismas Ongore, the Dean of the University of Nairobi’s School of Public Health, with Prof Athar Chishti from Tufts who are now jointly writing a proposal on malaria in response to a Program Announcement Reviewed from NIH. They are proposing to research the presentation and sero-epidemiology of malaria at the community level in children less than five years of age.

IV. APPENDICES:

APPENDIX I: SUCCESS STORIES AND REGION HIGHLIGHTS

There are four success stories from this quarter:

Africa Region

1. Developing One Health Leadership Skills in Outbreak Situations in Uganda
2. Veterinary Field Epidemiology Training Extended to all OHCEA Member Countries
3. UMA and UVA Sign Historic MOU to Promote One Health

SEA Region

1. One Health Summit at the 2013 Prince Mahidol Awards Conference (PMAC)

SUCCESS STORY – AFRICA REGION

OHCEA – Developing One Health Leadership Skills in Outbreak Situations in Uganda

“We want Uganda to be the model of One Health in the whole world.”

-Principal Kabasa J.D., OHCEA Co-PI



Associate Professor Dominic Travis from University of Minnesota leading a session at the training.

“We [doctors] are trying to prevent people from dying, and the only way to do this is by working with the veterinarians.”

-Dr. Margaret Mungherera, President, Uganda Medical Association; President-elect World Medical Association

case studies of past disease outbreaks, group discussions, simulations and question and answer sessions. Participants were exposed to the core leadership skills, including; systems thinking, complex problems, and developing a shared vision, facilitating collaborative teamwork, active listening, and crucial conversations. By creating simulations of diverse outbreak teams that included a range of professional backgrounds and different districts, the trainees were able to appreciate that One Health leadership requires a change in thinking, attitude and behavior.

At the end of the training, participants were of the view that the workshop increased their understanding of One Health and equipped them with skills to make the One Health approach a reality. They expressed utmost appreciation and great interest in utilizing the leadership skills in their roles as health professionals. Developing a cadre of in-service One Health professionals with needed leadership skills is a good example of how OHCEA is building outbreak response in the region.

February 2013, Kampala, Uganda. In line with its objective to provide pre-service, in-service, and community education, training, and outreach to expand the size and capabilities of the One Health workforce, OHCEA, with support from USAID RESPOND organized a One Health leadership training in Uganda over the period February 11 – 12, 2013. The main objective of the training was to equip district level medical and veterinary professionals with key One Health leadership skills in outbreak situations. Specifically, the training intended to develop an understanding of One Health, develop crucial leadership knowledge and skills, and develop actions to take back to the districts to improve on outbreak response teams.

The 53 trainees were drawn from 20 ‘hotspot’ districts of Uganda, which are susceptible to disease outbreaks or where outbreaks have occurred in the past. Bringing together the medical and veterinary professions for the first joint training session in Uganda, the workshop was part of activities to mark a One Health week from 11th to 16th February 2013 under the theme ‘*Empowering Leaders in One Health Approaches for a Healthier Africa.*’ In opening the workshop, Dr. Winyi Kaboyo, the Assistant Commissioner for Veterinary Public Health in the Uganda Ministry of Health applauded OHCEA and RESPOND for organizing the first workshop to bring together the medical and veterinary professions for joint training.

Facilitated by leadership training consultants from University of Minnesota, the methods of training used included presentations from experts, sharing personal experiences and

SUCCESS STORY – AFRICA REGION



MVPM trainees participating in Brucellosis (top) and Ebola Ecological investigations (bottom) in Uganda.

Veterinary Field Epidemiology Training Extended to all OHCEA Member Countries

January 2013. In 2011, USAID RESPOND facilitated Africa Field Epidemiology Network (AFENET), in collaboration with Uganda Ministry of Agriculture, Animal Industry and Fisheries (MAAIF) and Makerere University's College of Veterinary Medicine, Animal Resources and Biosecurity (COVAB) to initiate a two year applied veterinary epidemiology training track within the traditional Master of Veterinary Preventive Medicine (MVPM) at COVAB. The objective of the course is to strengthen human resource capacity in field epidemiology and promote direct application of the "One Health" approach in disease control, to improve disease surveillance and response to outbreaks that merges animal, human and environmental health dynamics into a comprehensive capacity for disease detection and control at national level. The two-year program requires field based training that constitutes three quarters of the course while the other quarter is spent on didactic sessions that cover disease surveillance, data analysis, communication, risk assessment, monitoring and evaluation, and applied epidemiology.

Following the successful completion of the first year of training in August 2012 by the initial five trainees from Uganda, accompanied by a RESPOND supported review of the MVPM curriculum to incorporate One Health concepts and also introduce the field epidemiology track, this program attracted USAID funding through OHCEA to support trainees from other OHCEA countries with modest scholarships to join its second intake effective February 1, 2013. The scholarship covers tuition and support for research.

Twelve applicants, two from each of the six OHCEA member countries, were selected competitively and have started the program. Eligible trainees hold at least a Bachelors Degree and in line with the One Health approach, are drawn from multidisciplinary professional backgrounds including veterinary medicine, biomedical sciences, medicine, environmental health or equivalent qualifications from recognized universities.

With the first intake successfully completing the first year of study, the curriculum reviewed, and funding for the second intake secured under OHCEA, the program is well on its way to contribute to RESPOND's mandate to strengthen training, educational programs, and support to governments, universities and civil society with the objective of improving the capacity to respond to zoonotic and emerging infectious disease outbreaks using a trans-disciplinary One Health approach in the six OHCEA countries.

SUCCESS STORY – AFRICA REGION



The Presidents of the UMA (second left) and UVA (second right) signing the MOU at the joint One Health Conference in Uganda.

“Let’s keep the One Health movement ‘till Uganda becomes a One Health country, legally, structurally and functionally. It is ambitious but possible if we all pool efforts and coordinate with willingness to innovate, contribute and learn.”

-Principal Kabasa J.D., OHCEA Co-PI

makers, health planners, researchers, clinicians, academicians, lawmakers, and civil society organizations. It was opened by Dr. Christine Ondo, Uganda’s Minister of Health. Dr. Ondo appreciated the leadership of UMA and UVA for re-thinking how both professions can improve health through the One Health concept, which she said was “an exciting approach to tackle infectious diseases.” She further stated that although professional expertise was good for service delivery, none can work in isolation to promote societal health.

The key note speaker, RESPOND USAID AOTR Mr. Rob Henry said that the manner in which humans, animals and the environment interact with each other has increased the threat of emerging diseases, calling for team effort geared towards understanding the risk of disease due to interfaces, thus promoting disease prevention. He challenged the academic institutions in OHCEA to bring different disciplines to work together to solve problems and help to build capacity through exchange of curriculum, development of short courses and student exchange programs.

The pinnacle of the conference, and perhaps its greatest success, was the signing of a landmark memorandum of understanding between the two professional associations; UMA and UVA, to signify their commitment to partner and promote health and improved livelihoods for Ugandans through the One Health approach. At the signing ceremony, OHCEA Principal Investigator Dean Bazeyo stated that, *“Our challenge now is to maintain this momentum and continue to promote this partnership in all One Health related projects and programs.”*

UMA and UVA Sign Historic MOU to Promote One Health

February 2013, Kampala, Uganda. Following the signing of a collaborative One Health memorandum of understanding by the World Medical Association and World Veterinary Association in Bangkok, Thailand, on 9 November 2012, the Uganda Medical Association (UMA) and the Uganda Veterinary Association (UVA) held a One Health conference in Kampala from 14-16 February 2013. This was the first joint One Health meeting organized by the two professional bodies and it was supported by OHCEA, Government of Uganda, International and local partners and One Health stakeholders, and RESPOND. Held under the theme, *“Disease Eradication: What will it take?”* the purpose of the conference was to raise awareness about the One Health approach in eliminating and eradicating disease and to identify areas of collaboration between UMA and UVA.

The conference attracted over 200 participants from Uganda, Ethiopia, Tanzania, Nigeria, Rwanda, the Democratic Republic of Congo, Europe and the USA and included policy

SUCCESS STORY – SOUTHEAST ASIA REGION

One Health Summit at the 2013 Prince Mahidol Awards Conference (PMAC)

As part of the 2013 PMAC, which was held in Bangkok, Thailand from January 28th to February 2nd,



RESPOND successfully organized the first One Health Central and East Africa Network (OHCEA)-Southeast Asia One Health University Network (SEAOHUN) Summit on January 29th, promoting One Health’s transition from theory to practice with a theme of “A World United Against Infectious Disease: Cross-Sectoral Solutions.” The forum attracted over 120 attendees, most from the One Health Central and East Africa Network (OHCEA) and the Southeast Asia One Health Network (SEAOHUN) attended. Other attendees included additional walk-in participants – all working to fight against infectious diseases.



The purpose of the Summit was to strengthen understanding of each network (organization, programs, and relationships with American universities); explore areas for collaboration between the networks; and introduce the networks to the other USAID Emerging Pandemic Threat (EPT) projects and lay the groundwork for potential future collaboration.

Representatives from both OHCEA and SEAOHUN gave presentations that provided background information on the networks, including information on their structure; discussed their accomplishments to date, and their current activities; and highlighted the

importance of the networks’ collaboration with Tufts University and University of Minnesota (UMN). The participants also exchanged information and discussed possible strategies to engage governments in the implementation of One Health activities.

Representatives from USAID’s other EPT programs, PREDICT and PREVENT also presented at the meeting. The purpose of their presentations was to introduce the audience to the entire USAID EPT program, and to demonstrate how they support and build off of one another.

It is anticipated that this forum will serve as the first of many future collaborations between the two networks, PREDICT and PREVENT as they continue their activity implementation at the regional level.

