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RESPOND YEAR FOUR QUARTERLY REPORT

EMERGING PANDEMIC THREATS PROGRAM

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RESPOND

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EMERGING PANDEMIC THREATS PROGRAM

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ACRONYMS

AET	Applied Epidemiology Training
AFENET	Africa Field Epidemiology Network
AFRO	WHO – Regional Office for Africa
ANPN	Agence Nationale des Parcs Nationaux
ARO	Alert and Response Operations
ASEAN	Association of Southeast Asian Nations
ATVCO	L'Association des Techniciens Veterinaires au Congo (Association of Veterinary Technicians of Congo)
AU-IBAR	African Union Interagency Bureau for Animal Resources
BVM	Bachelor in Veterinary Science
CAHW	Community Animal Health Workers
CCC	Country Coordinating Committee
CDC	Centers for Disease Control and Prevention
CED	Control of Epidemic Diseases
CMOA	Ministry of Agriculture (DRC)
CMOE	Ministry of Environment (DRC)
CMOH	Ministry of Health (DRC)
COVAB	Makerere University College of Veterinary Medicine, Animal Resources and Biosecurity (Uganda)
DNP	Department of National Parks, Wildlife and Plant Conservation (Thailand)
DoA	Department of Agriculture
DoF	Department of Forestry
DoH	Department of Health
DRC	Democratic Republic of Congo
DTRA	Defense’s Threat Reduction Agency
DVO	District Veterinarian Officer
E&E	Ecology & Environment, Inc.

EID	Emerging Infectious Disease
EPT	Emerging Pandemic Threats Program
EZD	Emergency Zoonotic Diseases
FAO	Food and Agriculture Organization of the United Nations
FEAT	Field Epidemiology Association of Thailand
FESC	Field Epidemiology Short Courses
FE(L)TP	Field Epidemiology (Laboratory) Training Program
FETP-V	Field Epidemiology Training Program – Veterinary Component
FOREST	Forest Ecology and Stewardship Training
FUE	Federation of Ugandan Employees
FUS	Fédération Une Santé
IBAR	Inter-African Bureau for Animal Resources
IDSR	Integrated Disease Surveillance and Response
IEM	Institut d’Enseignement Médicale
IGAD	Inter-governmental Agency for Development
INDOHUN	Indonesia One Health University Network
ISTM	Institut Supérieur des Techniques Médicales
ITAV	Institut de Technique Agro-Vétérinaire
ITM	Institut Techniques Médicale
KKU	Khon Kaen University
KKUVMS	KKU School of Veterinary Medicine
M&E	Monitoring and Evaluation
MAAIF	Ministry of Agriculture, Animal Industries and Fisheries (Uganda)
MAFF	Ministry of Agriculture, Forestry and Fisheries
MINAGRI	Ministry of Agriculture and Animal Resources
MOA	Ministry of Agriculture
MoAF	Ministry of Agriculture and Forestry
MOF	Ministry of Forestry
MOH	Ministry of Health (Uganda)

MoNRE	Ministry of Natural Resources and Environment
MOPH	Ministry of Public Health (Thailand)
MOU	Memorandum of Understanding
MPH	Master of Public Health
MVPM	Masters of Veterinary Preventive Medicine
MUSPH	Makerere University School of Public Health
MYOHUN	Malaysia One Health University Network
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
UNILU	University of Lubumbashi
USAID	U.S. Agency for International Development
VMKKU	Veterinary Medicine Khon Kaen University
VMS	Veterinary Medical School
VPH	Veterinary Public Health
WWF-DRC	World Wildlife Fund-Democratic Republic of the Congo
WILD	Wildlife Investigation and Livestock Disease

EXECUTIVE SUMMARY

RESPOND's focus during Quarter One of Year Four (October 1 to December 31, 2012) was continuing support to the development of One Health University Networks in Africa (OHCEA) and Southeast Asia (SEAOHUN). This marks the first quarter that the Africa Region is consolidated under the management of the Kampala office. 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.

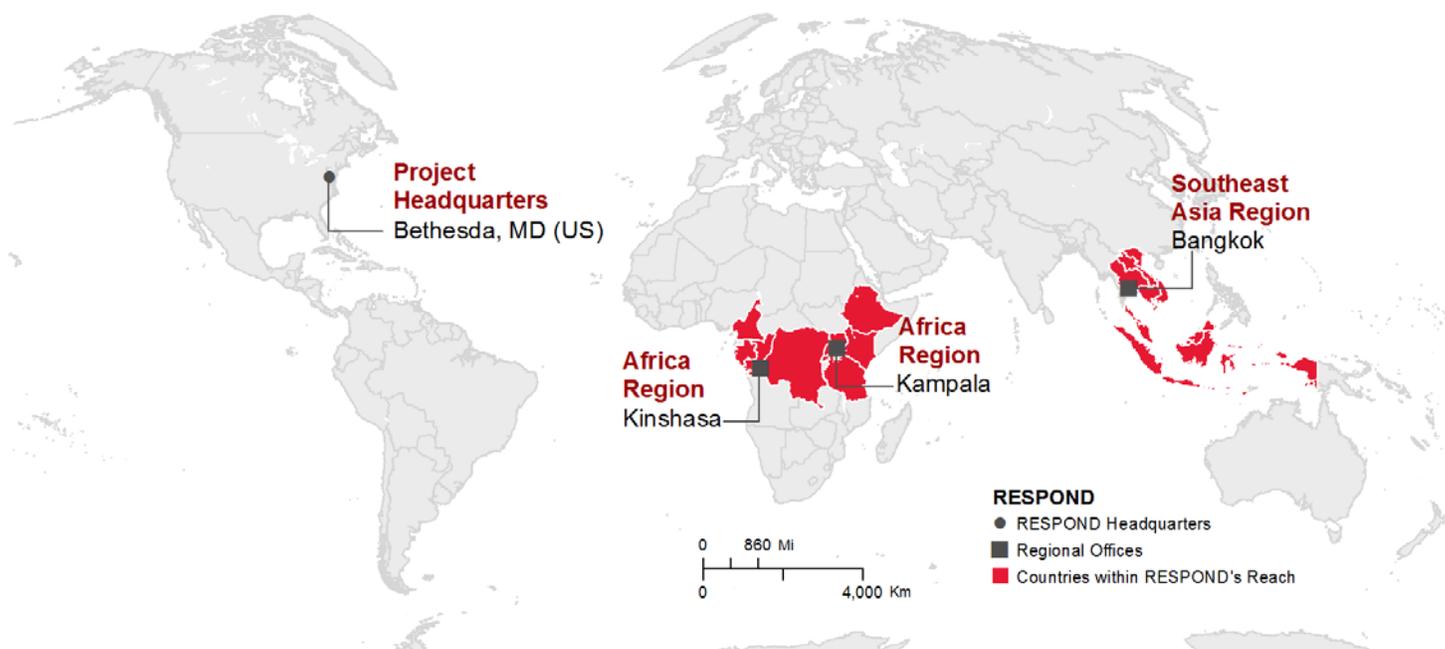
The Africa Regional Office provided support to OHCEA as it worked with faculty, administrators, students and government officials to begin implementing its workplan. The Africa Regional Office achieved the following three accomplishments:

1. Advanced the student experience in One Health
2. Created platforms with OHCEA for One Health engagement
3. Strengthened OHCEA

The Southeast Asia (SEA) Regional Office continued to work on the One Health Core Competencies (OHCCs), as well as began preparations for faculty development efforts. The SEA Regional Office achieved the following three accomplishments:

1. Completed One Health core competencies
2. Conducted faculty development activities
3. Held Executive Board meeting in Bali

I. GLOBAL ACTIVITIES



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.

MAJOR ACCOMPLISHMENT

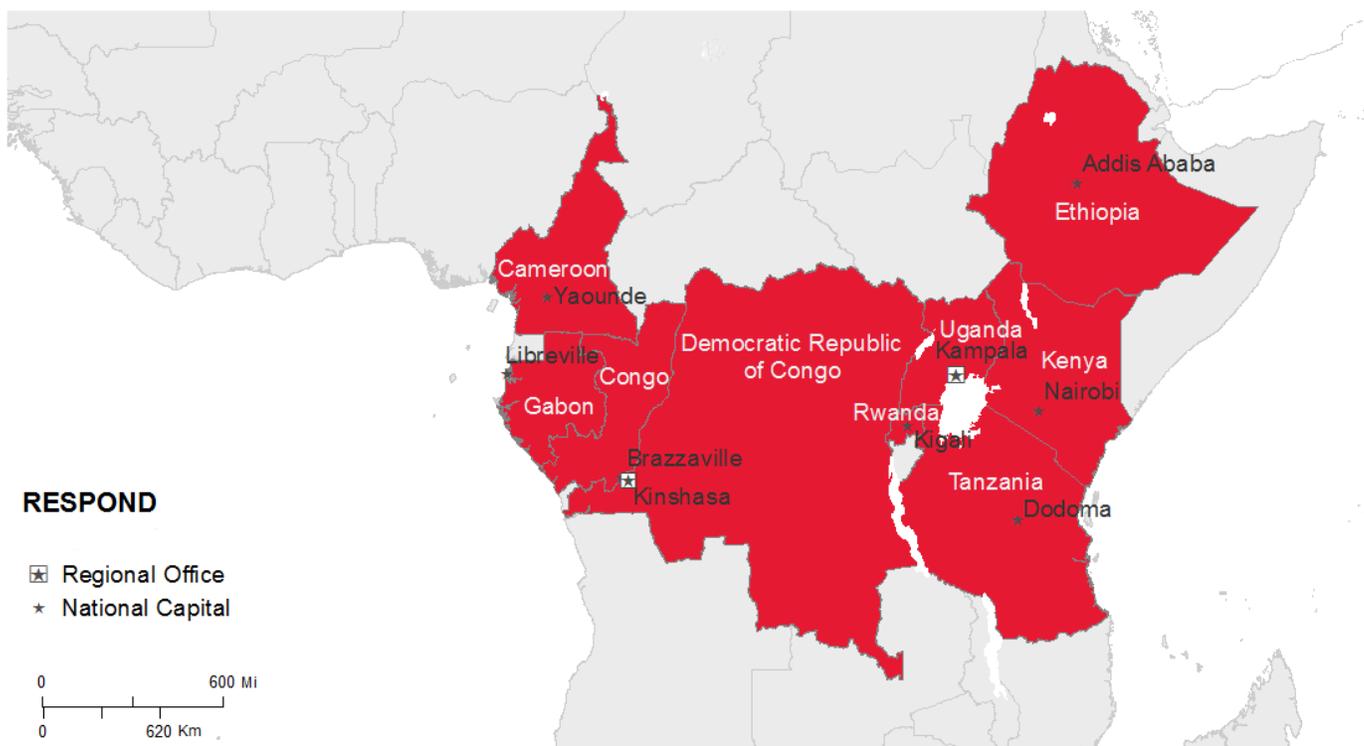
FINALIZED GLOBAL ONE HEALTH CORE COMPETENCIES

The Global One Health Core Competency (OHCC) Working Group met on December 17, 2012, with participants from RESPOND, PREDICT, PREVENT, CDC, and USDA. Participants reviewed OHCC Domains, Definitions, and Competencies from the May 31-June 1 2012 Global Working Group meeting, discussed OHCC work with OHCEA (Sept 2012) and SEAHOHUN (July and October 2012), and identified steps to finalize and disseminate RESPOND's work on OHCCs.

Subgroups were identified to revise and enhance the existing Global OHCC Domains and Example Competencies draft, highlighting why each domain, sub-domain, and competency is relevant to One Health approaches and activities. Group members representing different OH initiatives will tailor the existing two-page OHCC overview to be relevant for their affiliates, and will disseminate it along with the list of domains. This will provide a guiding framework for a range of users (universities, government, regional networks, etc.) to create locally relevant OH core competencies.

The final version of the Global OHCC Domains and Example Competencies and the two-page OHCC summaries will be available in mid-February. Further work will occur, as needed, through online forums.

II. AFRICAN ACTIVITIES

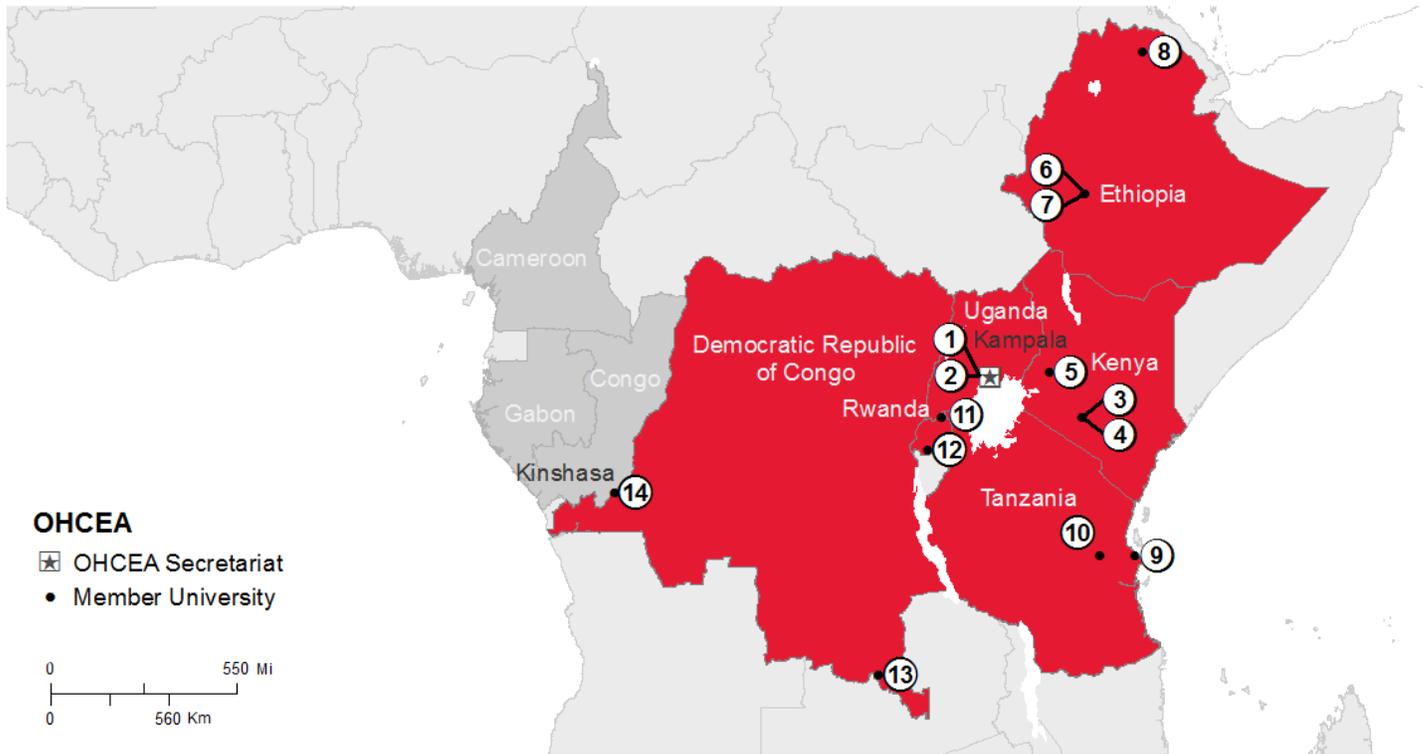


The RESPOND project operates in Eastern, Central and West Africa through support to a network of universities that integrate schools of Public Health and Veterinary Medicine, using the One Health approach to diseases outbreaks in several countries.

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 1 of Year 4 (October-December, 2012), RESPOND/Kampala continued to support OHCEA’s development.

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

ADVANCED THE STUDENT EXPERIENCE IN ONE HEALTH

RESPOND worked with its partners in the region to advance student experiences in One Health. In collaboration with OHCEA, RESPOND supported two One Health awareness events in Tanzania. The first event was held on October 24 at Muhimbili School of Public Health in Tanzania. Muhimbili University's Deputy Vice Chancellor opened the event, and the Dean of the School of Public Health facilitated it. OHCEA's Tanzania Focal Persons presented on the importance of applying the One Health approach and introduced the OHCEA network. Over 140 students and faculty attended. The following day a sister event was held at Sokoine University of Agriculture, also in Tanzania. Sokoine's Deputy Vice Chancellor opened the event, and the Dean of the Faculty of Veterinary Medicine facilitated. Over 200 students and faculty attended the event. The culmination of these events was the formation of the Tanzania Eco-Health Students Club (for details on the club, please see the success story attached).

During the quarter, RESPOND provided grant funding to the Africa Field Epidemiology Network (AFENET) that supported a delegation of the five Masters in Veterinary Public Medicine (MVPM) students, an academic mentor, and the resident mentor to attend the Seventh Global Scientific Training Programs in Epidemiology and Public Health Interventions Network (TEPHINET) Conference in Amman, Jordan from 10 to 15 November. The conference brought together over 400 participants from 63 countries, with 750 abstracts presented. During the conference, the MVPM students attended a number of workshops and meetings, and also shared their work with colleagues and experts from around the world. This proved to be an invaluable

opportunity for the students to exchange best practices, network, learn and acquire new field epidemiology skills that will be put in action to enhance global public health.

RESPOND continued to support faculty exchanges between U.S. universities and OHCEA schools, delivering new concepts and curriculum to OHCEA's students and faculty alike. During the quarter, faculty from UMN and Tufts University provided training on research methods in Rwanda and quality assurance in Kenya, and also conducted a workshop in Rwanda on OHCEA's OHCCs, as they relate specifically to Rwanda.

In addition, UMN and Tufts faculty delivered a two-day workshop at the University of Kinshasa on "Leadership in Public Health". As the first joint event between the Schools of Public Health and Veterinary Medicine at the University, it was very well attended. The collaboration between the Schools set a good example for future endeavors.



Dr. Rwego lectures on applied ecology.

Further, at a request from Umutara Polytechnic, Dr. Innocent Rwego (UMN) was based in Rwanda for three weeks in November and December to deliver pre-service training to final year veterinary students in the areas of wildlife health, ecology and management. During that period Dr. Rwego delivered several lectures on applied ecology to approximately 70 final year veterinary students at Umutara.

During his engagement, Dr. Rwego convened a collaborative meeting between PREDICT, the Lakeside Aquaculture Training Center - Rwanda, the Akagera National Park and faculty from Umutara on December 11 to discuss teaching, research, co-

mentoring and student field placements. PREDICT, through the Mountain Gorilla Veterinary Project, agreed to accept four students for field placements and/or research. It was agreed that Umutara faculty together with RESPOND's U.S. university partners and PREDICT would identify the research topics that students will be involved in for these projects. In addition, PREDICT agreed to be involved in the co-teaching and co-mentoring of students.

During the meeting Dr. William Boyd of the Aquaculture Training Center expressed an interest in teaching aquaculture at Umutara and taking on students at the Center for hands on practical experience. Representatives from Akagera National Park also stated an interest in taking on students for research and field placements. All the partners present pledged to support Umutara and expressed interest in continued collaboration and partnership to promote student experience and education.

On a related note, PREDICT expressed interest in working with Uganda's Makerere University College of Veterinary Medicine, Animal Resources and Biosecurity (COVAB) to review and/or develop a wildlife health/medicine curriculum that could be shared across the OHCEA region. RESPOND will work with PREDICT and OHCEA to develop this collaborative opportunity.

CREATED PLATFORMS WITH OHCEA FOR ONE HEALTH ENGAGEMENT

RESPOND/Kampala actively worked with OHCEA to create platforms for the network to promote One Health, and reinforce the role of academia as change agents.

Promotion:

RESPOND supported four OHCEA participants (three faculty members and one student) to attend the fourth Biennial Meeting of the International Society of Ecology and Health in China. Professor Francis Ejobi from Makerere University's College of Veterinary Medicine, Animal Resources and Biosecurity (COVAB) presented the OHCEA-funded Veterinary Public Health Residency Program being piloted there. Fred Kwizera, a student from Umutara Polytechnic Veterinary School in Rwanda – travelling on his first flight ever – gave a presentation on the One Health Student Club that he formed with fellow students under the mentorship of Umutara and UMN faculty (see success story for details on the student club). The following OHCEA abstracts were accepted and presented at the conference:

- Ejobi F, Bender J, Farnham M, Hamilton K, Pelican K, Rwego I, Tamale A, Travis D, Wanzala S. *Developing One Health Practitioners through Applied, Problem-based Training: A One Health Residency Model*
- Kwizera F, Kibuuka R, Umwiza Gahizi I, Ryan C, Garcia C. *EcoHealth Student Club: A Model of Inter-Professional Collaboration to Strengthen Surveillance, Preparedness, and Response to Infectious Zoonotic Threats*
- Travis DA, Lonsdorf EV, Gillespie TR, Lipende I, Murray C, Terio KA, Kinsel MJ, Raphael J, Wilson M, Pusey AE, Hahn BH. *Ten Years of Ecosystem Health in Gombe National Park, Tanzania*

Engagement:

RESPOND's Kinshasa office provided administrative and logistical support for the participation of the OHCEA Deans and Program Manager at the WHO One Health Africa meeting held in Gabon from November 12 to 14. The OHCEA delegation participated in this important inter-ministerial meeting on One Health where they presented, "*The Operationalization of One Health through Capacity Building.*" OHCEA held consultations prior to the meeting with some of their government counterparts to create an understanding of One Health. During the meeting OHCEA took the opportunity to discuss with its government counterparts how its One Health Country Coordinating Committees can best support governments as they implement the agreed action points adopted at the WHO meeting including; the development of national One Health implementation road maps.

RESPOND continues to support the development of the relationship between OHCEA and AU-IBAR. During the quarter RESPOND introduced OHCEA's Program Manager to AU-IBAR's regional curriculum development team. As a result, OHCEA's Program Manager was invited to, and attended the African Union - Inter-African Bureau for Animal Resources (AU-IBAR) workshop to review their introductory One Health in-service training module for Africa. Developing the relationship further, AU-IBAR invited and funded an OHCEA faculty member to teach at their WILD training course that was held in Burundi in November.

Finally, the OHCEA Secretariat met with a representative from FAO/Rome's Veterinary Public Health Department during the week of November 19th. FAO proposed that OHCEA partner with them to organize a One Health workshop in Uganda. It was agreed that OHCEA will be a key presenter, and assist with the organization of this FAO meeting to be held in Uganda on from 23 - 24 January.

STRENGTHENED OHCEA

At OHCEA's request, RESPOND partner TRG conducted an internal organizational assessment of the network between September and October. The focus of the assessment was on how OHCEA had implemented the roles and responsibilities of OHCEA's management and implementation structure as set forth in OHCEA's Articles of Association, Operations Manual and other reference documents. TRG conducted direct interviews with OHCEA's Principle Investigators (PIs), Program Manager, Deans, Focal Persons and Country

Administrators. The assessment found that the OHCEA mission and vision are well understood and the linkages with the U.S. university partners are viewed positively. A draft report was presented to OHCEA's PIs, and after integrating their feedback the final report was formally submitted to OHCEA. The OHCEA Board reviewed the report during its quarterly meeting held in December and accepted the recommendations of the assessment. It authorized the Secretariat to engage with RESPOND directly to implement the following recommendations from the report:

1. Strengthen the knowledge and skills of Grant Proposal Development position through training and mentoring
2. Provide technical support to strengthen governance at Board level
3. Train the OHCEA Deans and Focal Persons in management and leadership skills
4. Strengthen the skills to document best practices and success stories at the Secretariat and country/institutional level
5. Empower the Secretariat to support country level management
6. Support OHCEA's country teams to engage high level government leadership at the ministerial/sectoral levels

RESPOND will be working directly with the Secretariat to develop direct support around these organizational strengthening activities.

MAJOR CHALLENGES AND PLANS TO OVERCOME THEM

MANAGEMENT CHANGES

The RESPOND/Africa region underwent a management change reflective of the clarification of the roles of OHCEA, RESPOND and the U.S. universities for Y4, and the recommitted focus of RESPOND to OHCEA activities. Specifically, RESPOND consolidated the management of the two regional offices. With this, the West Congo Regional Manager position was phased out, RESPOND is taking legally required steps for downsizing the staffing at its offices given project budget strains, and the U.S. university technical advisors based in the region are in the process of co-locating from RESPOND's offices to the OHCEA Regional Secretariat in Uganda, UNIKIN School of Public Health in DRC and Umutara Polytechnic in Rwanda. These multiple changes created uncertainty for the regional staff with regards to their roles and a challenge for the management to maintain the staff's morale and focus on project objectives.

Entering its second quarter of operations, OHCEA is recognizing areas where it can continue to improve managing work plan implementation and its' supportive operational systems. At the beginning of the quarter OHCEA faced some challenges in the operationalization of funds distribution to their country offices. However, this was addressed during the quarter. OHCEA is now working with RESPOND to ensure that OHCEA's country offices submit their activity financial reports in a timely fashion so as to avoid challenges for the OHCEA Secretariat in managing its cash flow.

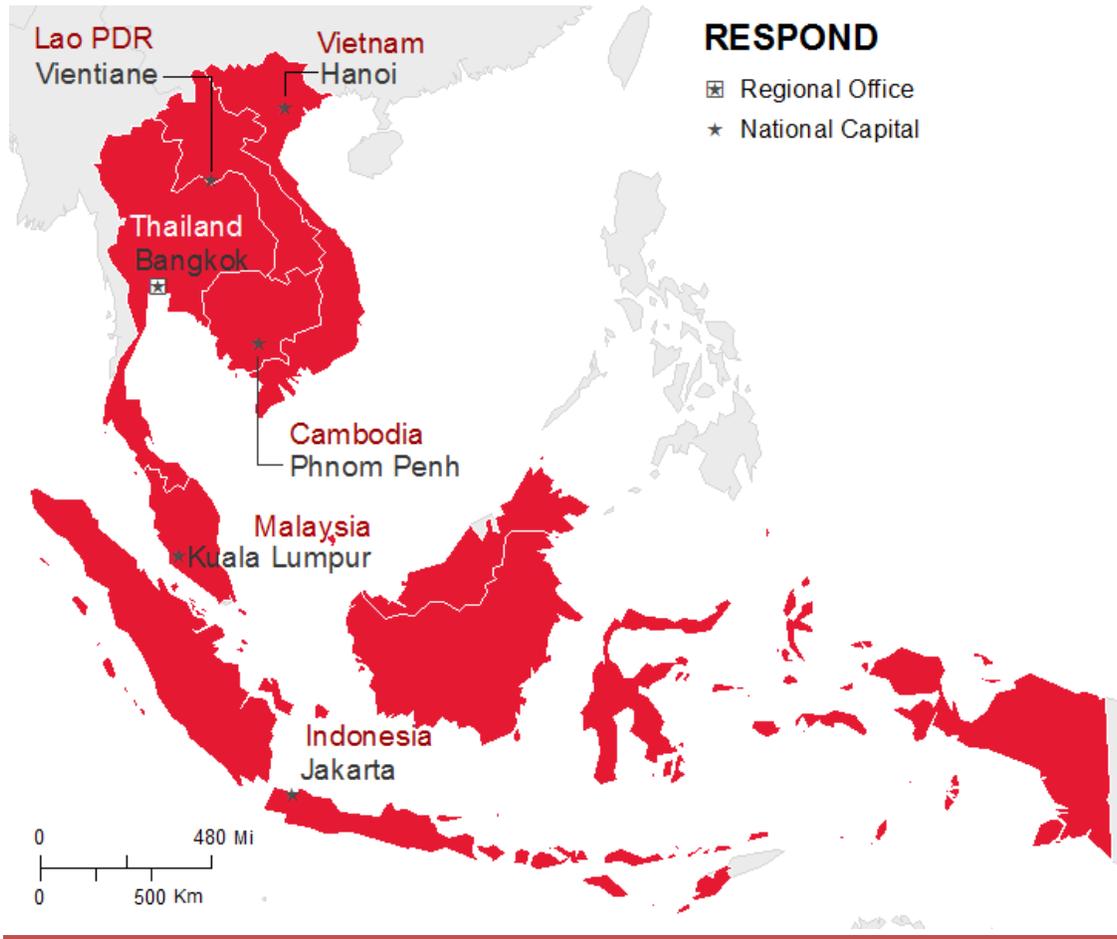
RESPOND regional management continues to work closely with OHCEA and the U.S. universities to streamline the operations and business model around:

1. administrative and logistical support to OHCEA and member schools;
2. administrative and logistical support to U.S. university faculty traveling in the region; and
3. U.S. universities and OHCEA practical operations in the region in support of regional travel and programs at the OHCEA schools.

The first three months of the fiscal year have provided a good test for this model and a protocol should be further refined early in Q2 between all actors.

During the next quarter, the OHCEA Secretariat plans to continue its training across the network. Specifically, the Senior Administrator will be visiting the Country Administrators at their universities to do on-the-job training for each. Additionally, there will be a Country Administrators' Training held in February, to build upon the first Country Administrator training held in Tanzania in September. Continued training for these critical OHCEA employees will work to improve the network's financial flow and cash management. RESPOND will support the development and strengthening of OHCEA's administrative capacity through continued direct engagement with the Regional Secretariat and the Program Manager.

III. 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

COMPLETED ONE HEALTH CORE COMPETENCIES

Following the series of four three-day national One Health Core Competency (OHCC) workshops, each conducted in Indonesia, Malaysia, Thailand, and Vietnam in July 2012 to develop country specific One Health domains and core competencies, RESPOND/SEA Office supported SEAOHUN in organizing the 2nd SEA regional OHCC workshop on October 2-4, 2012 in Bangkok. Workshop participants successfully developed draft SEA regional One Health domains, definitions, and core competencies by harmonizing the nationally developed OHCC materials. Workshop participants also identified potential collaborations and partnerships for ongoing OHCC-related work. Twenty-nine representatives from 14 faculties from the four existing member countries of SEAOHUN participated in the workshop, with facilitation and logistics support from TRG, Tufts, UMN and DAI.

The seven regional One Health domains include:

1. Management,
2. Culture & Beliefs,
3. Leadership,
4. Value & Ethics,
5. Collaboration & Partnership,
6. Communication & Informatics, and
7. Systems Thinking.

Specific core competencies were defined for each domain. The regional OHCCs are anticipated to serve as a “living” standard package and to be used as a key reference that guides academic institutions in the SEA region when integrating the One Health approach into their curricula. Several faculties participating in the OHCC development have already planned to integrate the OHCCs into their existing curricula to expand the knowledge and skills of their graduates.

An invaluable outcome alongside the development process of the SEA OHCCs was the relationship development between different faculties, across universities, and across the countries within SEAOHUN. Sharing the academic strengths and gaps of their own faculties enabled them to begin developing relationships with one another and strengthening their collaboration, which will lead to improved networking, coordination and future exchanges.

CONDUCTED FACULTY DEVELOPMENT ACTIVITIES

As part of the U.S. university partners’ preparation to work more closely with the regional faculties on faculty development, Tufts University and University of Minnesota embarked in December on fact-finding missions to:

- discuss the OHCCs with faculty members,
- discuss the programs and opportunities that they can provide to support faculty strengthening, and
- identify specific areas the faculties deem important.

Professors Saul Tzipori and Stan Fenwick from Tufts University made an exploratory visit to faculties in Indonesia and Malaysia, while a team from UMN (John Deen, Linda Olson-Keller, Karin Hamilton, Bruce Alexander) visited faculties in Thailand and Vietnam. Subsequent faculty development efforts will provide support to strengthen regional faculty programs, with an emphasis on teaching, research, and staff development related to One Health.

Summary of points discussed by the Tufts team at the discovery visits in December

Tufts University conducted discovery visits in Indonesia and Malaysia. In both countries, Tufts and the national networks identified that the next step in the faculty development process is to hold two four-day workshops in February. The workshops will give the faculties and Tufts University the opportunity to follow up on areas of interest, including curriculum mapping and adaptation, innovative teaching and learning strategies for One Health, and grant and manuscript writing to develop a One Health evidence base. The workshops will enhance collegial relationships/leadership across the SEAOHUN network for pandemic-related planning, training, and response.

Each faculty will identify five to six “faculty champions” to attend the workshops, with an emphasis on those individuals who have attended previous RESPOND courses and workshops. In addition, each faculty will also identify one to two focal points who will be made available to work with Tufts over the coming months to refine the workshop agendas and to be part of the workshop facilitation team. Workshop participants will:

- Develop a working definition of One Health for SEAOHUN

- Review and expand on prior regional OHCC work
- Complete a case study writing exercise
- Complete a grant development workshop
- Discuss course development and identify next steps.

Summary of UMN visits to faculties in Thailand and Vietnam

The UMN team visited Chiang Mai University, where team members met with the THOHUN leadership and discussed the Thai universities' priority programs and activities. RESPOND had previously discussed working with Chiang Mai University to provide assistance in the development of a One Health Masters program and a One Health residency program. The UMN team spent further time with Chiang Mai and then with Mahidol University discussing application of the OHCC to teaching materials and methods, mapping curricula, faculty development, and creating an evidence base for One Health. The team then travelled to Vietnam where they met with VOHUN faculties, with discussions focusing on the OHCC activities included in the VOHUN grant application submitted to USAID, including, further follow on from the OHCC work with VOHUN members, curriculum mapping in relation to the OHCCs, and the development of a One Health short course.



Representatives from UMN meet with Dean Anh and Dr. Phuc at Hanoi School of Public Health

HELD EXECUTIVE BOARD MEETING IN BALI

The SEAOHUN Executive Board meets twice every year. The Executive Board had its second 2012 meeting in Bali, Indonesia from December 1-2 to review the status of the network's activities. The Executive Board had discussions and shared ideas about various issues as described below.

Further steps following OHCC development: The Executive Board agreed to begin implementing the draft One Health Core Competency (OHCC) domains and illustrative competencies by encouraging SEAOHUN members to work closely with governments in the region to establish the relevance of these 'soft skills' to government agencies involved in outbreak response. National-level workshops are being planned for early 2013 to share and solicit feedback on the OHCCs and other potential support that universities can provide to governments and their human resource needs. RESPOND/SEA will use the workshops to determine with national governments which core competencies are relevant, and subsequently to map curricula and identify gaps, discuss opportunities to fill those gaps, and develop appropriate strategies to produce One Health leaders. RESPOND/SEA will continue to engage with faculties to discuss curriculum improvement, faculty-to-faculty collaborations to support core competency integration into curricula, as well as to discuss the OHCCs with the Ministry of Education and the accreditation board.

EZD Short Course: Regional faculties will adapt the Emerging Zoonotic Diseases training course to produce a regionally relevant One Health short course, with support from Tufts University, University of Minnesota and TRG.

Management aspects of the SEAOHUN network:

- *MOU Update:* The original 2011 MOU contained some clauses that were not acceptable to all member faculty partners. John Deen from UMN led the development of a new draft, which nearly all the member partners approved. Two faculties have yet to sign the new MOU.
- *Consolidating Network Planning Committees:* The function of the “Planning Committee” was to coordinate with RESPOND on activity planning with the focus on the review and approval of travel awards. There is also a Strategic Planning Committee (SPC), which has a much broader mandate (program, strategy, governance, budget review, etc). At this meeting, the Executive Board accepted the recommendation to phase out the Planning Committee and retain the SPC with the broader scope of work. In addition, it was recommended that the SPC meet again in late February/early March to work on a longer-term strategic plan that would build upon the current workplan. The SPC will continue to provide guidance and recommendations on program, organizational, and management issues.
- *Revisions to the By-Laws:* Due to the frequent changes in the personnel of the dean positions it was noted that the current By-Laws do not address a protocol for continued Executive Board representation (members and alternates). The Executive Board accepted the recommendation that the new Faculty Dean decides upon representation to SEAOHUN Executive Board. The Executive Board also determined that the positions of “Vice Chair” and “Chair Elect” are intended to serve two different purposes and that they should not be combined.
- *Network Member Expansion:* The Executive Board determined that the network should not currently be expanded to ensure that there are an equal number of member faculties per country. The Executive Board also plans to wait one entire Executive Board leadership rotation cycle (two years apiece) before admitting new countries. However, the Executive Board tasked the SPC to develop recommendations for Associate and/or Observer membership during the Executive Board rotation leadership cycle period.
- *Regional Secretariat:* The Executive Board reviewed registration options within ASEAN, given that 1.5 years remain in the project cycle, and accepted the recommendation to establish the Secretariat office in Thailand as a foundation that is not affiliated or linked to a network member university/faculty.
- *SEAOHUN Logo:* With slight modifications, the Executive Board accepted the SEAOHUN logo developed through a regional contest and agreed to put it in use immediately.
- *SEAOHUN website development:* The Executive Board agreed that a SEAOHUN website should be developed as a tool to share information, materials, and curricula. Starting from January 2013, a SEAOHUN website will be developed with assistance from DAI and an IT consultant. A mock website layout with a few different color themes will be presented at the next SPC meeting.



The new SEAOHUN logo.

Definition of National Networks and Role of Coordinating Offices: The Executive Board determined that the primary focus of the national networks and the role of the national coordinating offices are to extend the opportunities and benefits of SEAOHUN programming to other universities and faculties in member countries. Secondary benefits are to provide staffing and operational capacity to coordinate national network activities, liaise with local government agencies and link to the SEAOHUN Secretariat. The grant

application for the VOHUN Coordinating Office is being finalized and will be submitted to USAID Washington in early 2013 to serve as a model for other Coordinating Office grant applications. In 2013 the grant applications for the INDOHUN, MyOHUN, and THOHUN coordinating offices will be developed.

Tufts and UMN Technical Assistance: From 2013 onward, Tufts and UMN will provide technical assistance and support to SEAOHUN and its members in moving towards its goal and objectives. Tufts University will provide assistance to develop an IT interface for human and animal health data and continue to work with Mahidol University to develop the IT capability to support and pilot the TUSK science information knowledge base. Once it is established, the pilot site will be used to demonstrate the program to other interested SEAOHUN faculties. Tufts will also help universities develop One Health centers and centers of reference for the country. Tufts will help differentiate between soft skills and hard skills in the One Health courses. Both Tufts and UMN will provide short and long term guest professors to support the implementation of One Health teaching and research in the university.

At this SEAOHUN Executive Board meeting, staff from the SEAOHUN faculty members were invited to make poster presentations as a forum to share experiences and lessons learned between the members. The following topics were presented:

Indonesia

- Challenges in Changing the Traditional Culture of People Residing in Javanese Island Suburbs to Improve Health
- The Use of Information Technology for Outbreaks Monitoring to Improve Response Time, Study Case: Bogor Municipal, Indonesia
- Inter-professional Education in Disaster Management Block in the Faculty of Medicine, Universitas Gadjah Mada: Implementation in the School of Medicine, School of Nursing, and School of Nutrition and Health
- Impacts of Poultry Production Cluster (PPC) on public health in Subang District, West Java, Indonesia (qualitative survey)

Malaysia

- Molecular detection of pathogenic *Leptospira spp* in human, domestic animals, rats and environment
- The Threats in The Making: The Qurban-Borne Diseases
- Climate Factors and cases of Leptospirosis in the district Gresik year 2009-2011

Thailand

- Leptospirosis: The good model for OH approach
- Advocating the One Health Approach: The TROPMED Experience
- One Health Approach Explaining Causes of Trichinellosis in Highlands

Vietnam

- Study of some Biological and Pathological Features and Zoonotic Relations of Oriental Liver Fluke Infection Between Human and Animals in Some Northern Provinces of Vietnam
- Prevalence of *Salmonella enterica*, *Vibrio cholerae*, *Vibrio parahaemolyticus*, and *Escherichia coli* with virulence genes in shrimp, clam, and blood cockle in Vietnam
- Epidemiological Factors and Clinical Manifestation in Patients with Bacterial Meningitis by *Streptococcus Suis* Treated in Hospital for Tropical Diseases at HCM city
- Anthrax Cases report in Vietnam - An Update
- Seroprevalence of leptospiral infections and risk factors for leptospirosis in Northern Vietnam

CHALLENGES AND PLANS TO OVERCOME THEM

DELAYED FOLLOW-UP TO OHCC DEVELOPMENT

Following the completion of the OHCC development process in October, a regional faculty development workshop was scheduled to discuss follow-on steps. This was cancelled due to regional faculties' schedules and responsibilities. Regional faculties also expressed interest in conducting follow on at the local level as this may prove to be more relevant and sustainable. RESPOND/SEA must be mindful that with limited human resources and large numbers of students, regional faculties often do not have the time to devote to SEAOHUN business. RESPOND/SEA must take into consideration that U.S. university staff typically have only 10 to 20% of their time available for RESPOND. Thus long lead-in times are required to secure that faculty members both within the region and in the U.S. can make appropriate arrangements for travel and preparations for workshops, trainings and activities when needed.

In order to accommodate the schedules of both the U.S. universities and the regional partners, RESPOND/SEA is mapping out an activities program for the next year to ensure that all academic partners have adequate time to make arrangements and prepare.

IV. APPENDICES:

APPENDIX I: SUCCESS STORIES AND REGION HIGHLIGHTS

There are three success stories from this quarter, all from the Africa region:

1. One Health in action at Tanzania events
2. One Health student clubs: Driving the future of One Health
3. OHCEA – Implementing a One Health approach in Kenya

SUCCESS STORY – AFRICA REGION

OHCEA – Implementing a One Health Agenda in Kenya



STRATEGIC PLAN
FOR THE IMPLEMENTATION OF ONE HEALTH IN KENYA
2012 – 2017



The graphic above was obtained from the Kenya Zoonotic Disease Unit (A collaboration between the Ministry of Livestock Development and the Ministry of Public Health and Sanitation) Strategic Plan 2012 - 2017.

October 2012. Kenya, one of the six member countries of the One Health Central and Eastern Africa (OHCEA) network has made great strides in moving the One Health (OH) agenda forward. This positive development should not come as a surprise, having benefitted from several RESPOND/OHCEA –funded OH related activities in the past that helped keep the OH message at the forefront. Kenya has benefitted from OH sensitizations in OHCEA’s two Kenyan member universities, had a national OH launch, and has an active OHCEA One Health Country Coordination Committee that coordinates OH activities in several strategic government departments and civil society.

In October 2012 the government released the first 5-year Strategic Plan for the Implementation of One Health in Kenya 2012 – 2017 with a vision of building a country that has reduced burden of zoonotic diseases and being better able to respond to the epidemics of emerging and re-emerging infectious diseases. Its mission is to establish and maintain active collaboration at the animal, human, and ecosystem interface towards better prevention and control of zoonotic diseases. The Strategic Plan focuses on three goals: [1] To strengthen surveillance, prevention, and control of zoonoses in both humans and animals; [2] To establish structures and partnerships to promote OH approaches in the country; and [3] To conduct applied research at the human-animal-ecosystem interface in order to better understand the mechanisms of zoonotic pathogen maintenance and transmission to humans.

The development of this strategy signifies the shared commitment to enhanced collaboration between animal and human health that is the hallmark of USAID’s Emerging Pandemic Threats Program’s One Health approach to outbreak response. The strategy outlines interventions to be undertaken by the government and other partners, including OHCEA, to enhance existing structures and pool together additional resources to face the challenges posed by zoonoses. Four million Kenya Shillings is devoted to institutionalizing OH in Kenya, with OHCEA taking the lead to spearhead the incorporation of OH in the existing policies and reviewing curricula of the biomedical training colleges to incorporate OH.

Having participated in the formulation of the strategy and recognized as a key implementation partner, OHCEA is set to realize even greater successes in entrenching OH in outbreak response in Kenya and the region.

SUCCESS STORY – AFRICA REGION

One Health Student Clubs: Driving the Future of One Health



Umutara Polytechnic One Health Students Club face book page:
<http://www.facebook.com/pages/UP-one-health-student-club/259488734154807>



Tanzania Eco-health Students Club face book page:
<http://www.facebook.com/TanzaniaEcoHealthStudentsClub?ref=stream>

It is very exciting and indeed there is something tangible coming out of the students as a result of the (One Health) sensitization meetings. It is really encouraging.

Prof. Robinson H. Mdegela, Sokoine University of Agriculture and OHCEA Focal Person

Following the RESPOND and OHCEA facilitated One Health (OH) sensitization meetings in Rwanda and Tanzania, in March and November 2012 respectively, students formed One Health Clubs. The club membership comprises of undergraduate and postgraduate students from public health, veterinary medicine, wildlife and laboratory scientists, full of exciting ideas on how to engage students on their campuses and across the OHCEA network in OH activities and awareness. The clubs have benefitted from mentorship and advice from experienced professionals in Tanzania, Rwanda and RESPOND.

In December 2012, the Umutara Polytechnic (UP) One Health Student Club president presented at the EcoHealth conference in China. Also, a representative from the Tanzania Eco-health Students Club (TEHSC) participated in the 30th Tanzania Veterinary Association (TVA) annual scientific conference held in Arusha, Tanzania, where, information cards about the club were distributed to interested participants. To raise awareness about their activities, both clubs opened Facebook pages and plan to form Facebook journal club discussion platforms.

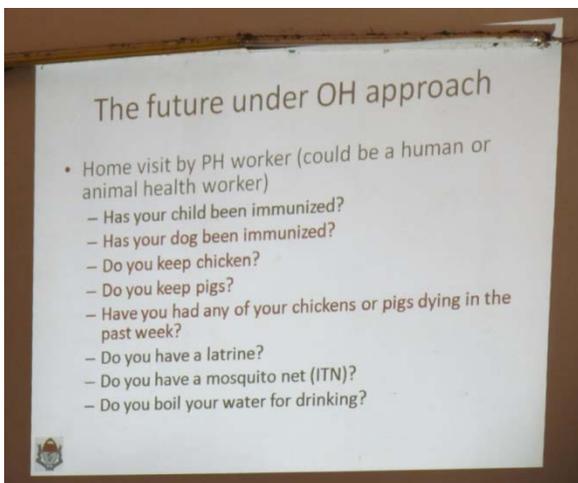
In appreciation of the clubs activities, TEHSC was invited to give a presentation at the School of Veterinary Medicine of the University of Zambia in January 2013. Also, the Commonwealth Veterinary Association through their Continuous Professional Development Program showed great interest to collaborate with the students clubs especially in addressing the OH agenda.

The student clubs plan to hold seminar presentations for students from their university campuses before reaching out to other institutions in OHCEA countries. The seminars will be used as recruitment grounds for increased membership of the clubs, targeting medical and nursing students. The clubs will be a resource to neighboring communities by participating in their income generating projects and forming committees for research, capacity building, and community outreach. They will also identify ambassadors who will begin to communicate with each other across countries within OHCEA. Rwanda has already identified one such ambassador to begin to organize the clubs within OHCEA strategically to support each other.

The future of the OH vision in Africa lies with the student community. With the advent of the student clubs, a new platform has been created for this generation of future leaders to discuss OH messages and also to link with existing national, regional and international student associations to advance the OH agenda in Africa.

SUCCESS STORY – AFRICA REGION

One Health in action at Tanzania awareness events



Slide demonstrates how a Community Health Worker can add questions about household animals to gain a better understanding of what may be affecting family members.

“Next time, I will cancel classes across the entire University so all students are able to attend [the One Health event]”

Professor Peter Gillah, Deputy Vice Chancellor of Academics, Sokoine University of Agriculture

who made the drive from Dar es Salaam in support of the One Health initiative. Like at Muhimbili, the event at Sokoine was opened by Professor Peter Gillah, Deputy Vice Chancellor of Academics at SUA and was facilitated by Dean Philemon Wambura.

The Dean of Muhimbili School of Public Health and Social Sciences (MSPHSS), and the one for Sokoine University of Agriculture, Faculty of Veterinary Medicine, attended the events at each other’s campuses. Apart from being the first cross-visits between the two deans representing the two academic disciplines of public health and veterinary medicine, their commitment clearly captured and demonstrated the OH theme of the events and provided the much needed high level OH leadership and motivation that ensured successful events.

October 2012. In line with RESPOND’s objective of supporting the development of a viable One Health university network, OHCEA member universities in Tanzania, the Muhimbili School of Public Health and Social Sciences (MSPHSS), and Sokoine University of Agriculture (SUA), Faculty of Veterinary Medicine, both held One Health awareness events at their respective campuses in October 2012.

On October 24, more than 140 students and faculty across disciplines gathered at Muhimbili to learn about One Health. The event was opened by Professor Eligius Lyamuya, the School’s Deputy Vice Chancellor, and was facilitated by Dean David Urassa. OHCEA Focal Persons Professor Japhet Killewo (MSPHSS) and Professor Robinson Mdegela (SUA) both made presentations demonstrating the inextricable link between human health, animal health and the environment. Also in attendance was Dean Philemon Wambura of SUA along with a number of OHCEA Country Coordinating Committee members.

The following day Sokoine University of Agriculture, Faculty of Veterinary Medicine held a similar event. Nearly 220 students and faculty across disciplines were in attendance, in addition to Dean David Urassa (Muhimbili)

APPENDIX II: ONLINE COMMUNICATIONS AND PRESS COVERAGE

RESPOND Website: <http://www.respond-ept.com>

The RESPOND website has been redesigned and is waiting final USAID approval to be re-launched.

Facebook - <http://www.facebook.com/EPTRESPOND>

Twitter - @RESPOND_EPT - https://twitter.com/#!/RESPOND_EPT

