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ONE HEALTH WORKFORCE NEXT GENERATION

Year 1 Semi-Annual Report
October 2019–March 2020

www.ohwng.org

ACKNOWLEDGEMENTS

This publication was prepared by the OHW-NG Consortium headquartered at the One Health Institute (OHI), School of Veterinary Medicine, University of California, Davis.

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CONTENT

This report represents a collaborative effort in which all implementing partners and University Networks within the One Health Workforce-Next Generation project provided content. This publication was substantively developed and contributed by editors (see above), One Health University Networks, and the OHW-NG Global Team (UC Davis, Columbia University, Ata Health Strategies, EcoHealth Alliance, UC Berkeley, UC Irvine, and University of New Mexico) as part of the One Health Workforce-Next Generation Consortium. Additional support to content review was given by Dr. Tracey Goldstein, Dr. Terra Kelly and Bridgette Smith.

In particular, we would like to extend special thanks to the two regional One Health University Networks:

Africa One Health University Network (AFROHUN, formally known as One Health Central and Eastern Africa Network, OHCEA)

AFROHUN Cameroon
AFROHUN Ethiopia
AFROHUN Kenya
AFROHUN Rwanda
AFROHUN Senegal
AFROHUN Tanzania
AFROHUN Uganda

Southeast Asia One Health University Network (SEAOHUN)

Indonesia One Health University Network
Malaysia One Health University Network
Thailand One Health University Network
Vietnam One Health University Network

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SUGGESTED CITATION

One Health Workforce-Next Generation Consortium. 2020 Semi-Annual Report. One Health Institute, University of California, Davis, April 2020.

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ACRONYMS & ABBREVIATIONS

Africa One Health University Network	AFROHUN
AFROHUN Cameroon	CRN
AFROHUN Ethiopia	ET
AFROHUN Kenya	KY
AFROHUN Rwanda	RW
AFROHUN Secretariat	AFR
AFROHUN Senegal	SN
AFROHUN Tanzania	TZ
AFROHUN Uganda	UG
Antimicrobial Resistance	AMR
Association of Southeast Asian Nations	ASEAN
Biological Threat Reduction Program	BTRP
Biorisk Management	BRM
Calibrated, Lifelong, Adaptive, Scalable, and Sustainable	CLASS
Centers for Disease Control	CDC
Code of Federal Regulations	CFR
Comité de Pilotage	COPIL
Coronavirus Disease 2019	COVID-19
Crimean-Congo Hemorrhagic Fever	CCHF
Crisis Preparedness Response Centre	CPRC
Cuci Tangan Pakai Sabun	CTPS
Defense Threat Reduction Agency	DTRA
Disaster and Crisis Centre of Indonesia	BNPB
Ebola Virus Disease	EVD
ECHO Virtual Community of Practice	VCoP
Extension for Community Healthcare Outcomes	ECHO
Field Epidemiology Training Network	FETN
Focus Group Discussions	FGD
Global Health Security Agenda	GHSA
Global Level	GL
Government of Indonesia	GoI
Hanoi Medical University, Vietnam	HOH
Hospital Canselor Tuanku Mukhriz, Malaysia	HCTM
Indonesia One Health University Network	INDOHUN (IN)
Infection, Prevention and Control	IPC
Infectious Disease Detection and Surveillance	IDDS
Infectious Disease Management	IDM
Institute of Preventative Medicine and Public Health	IPMPH
International Health Regulations	IHR
Joint External Evaluation	JEE
Key Informant Interviews	KII
Knowledge Management System	KMS
Laos One Health University Network	LAOHUN
Makerere University School of Public Health	MakSPH
Malaysia One Health University Network	MyOHUN (MY)

Medicines, Technologies, and Pharmaceuticals
 Services Program
 Ministry of Education and Culture, Indonesia
 Ministry of Public Health
 Monitoring and Evaluation
 Monitoring, Evaluation and Learning
 Movement Control Order
 National Antimicrobial Stewardship Implementation
 Committee
 National Coordination Office
 Non-Governmental Organization
 Non-US Organization Pre-Award Survey
 One Health
 One Health Central and Eastern Africa Network
 One Health Coordination Center
 One Health Institute
 One Health Student Club
 One Health University Network
 One Health Workforce – Next Generation
 Organizational Capacity Assessment
 Performance Indicator Reference Sheets
 Project Management and Communications
 SEAOHUN Secretariat
 Severe Acute Respiratory Syndrome Coronavirus 2
 Southeast Asia One Health University Network
 Strengths, Weaknesses, Opportunities, and Threats
 Student One Health Innovation Club
 Student Projects for Health
 Thailand One Health University Network
 Towards Unity for Health
 United States Agency for International Development
 Université des Montagnes
 Universiti Sains Islam Malaysia
 University Cheikh Anta Diop
 University of Buea, Cameroon
 University of California
 University of Nairobi – College of Agriculture
 and Veterinary Services
 Vietnam One Health University Network
 World Health Organization
 World One Health Congress

MTaPS
 TCA
 MOPH
 M&E
 MEL
 MCO
 NASIC
 NCO
 NGO
 NUPAS
 OH
 OHCEA
 OHCC
 OHI
 OHSC
 OHUN
 OHW-NG
 OCA
 PIRS
 PMC
 SEA
 SARS CoV-2
 SEAOHUN
 SWOT
 SOHIC
 SPFH
 THOHUN (TH)
 TUFH
 USAID
 UdM
 USIM
 UCAD
 UB
 UC
 UoN-CAVS
 VOHUN (VN)
 WHO
 WOHC

PREFACE

OHW-NG Goal: *Empower One Health university networks to sustainably develop and deliver world-leading model programs for equipping professionals with transdisciplinary skills to address complex global health issues.*

We find ourselves in unprecedented times, with situations related to the COVID-19 pandemic locally and globally rapidly evolving on a daily basis. In fall 2019, the USAID One Health Workforce – Next Generation (OHW-NG) Project launched successfully with kickoff meetings in Bangkok Thailand and Kampala, Uganda. The South East Asia One Health University Network (SEAOHUN) and the One Health Central and East African University Network (OHCEA, in progress to change the Network name to Africa One Health University Network as AFROHUN), have successfully brought together representatives from country teams to engage with new global team partners from the University of California (UC), Davis, UC Berkeley, UC Irvine, Columbia University ICAP Program, EcoHealth Alliance, University of New Mexico ECHO Institute, and Ata Health Strategies to work on a multitude of activities, effectively responding and adapting to our new “online-only” normal. Our multidisciplinary consortium has been inspired by the in-person launches and ongoing engagements, and we all have high hopes and aspirations for the amazing things that can be accomplished in this new partnership over the coming years. Little did we know that we would face such logistical challenges and that the world would change so dramatically in the face of the COVID-19 pandemic. We are all committed to getting through this crisis together and emerging with partnerships even stronger than could have been imagined. The need for the One Health University Networks and the resulting well-trained workforce could not have been more tragically illustrated, and they are definitely more important than ever as a source of knowledge sharing, innovation, and global collegiality.

Now we are at the OHW-NG mid-point of Year 1 and are proud to share that, despite the challenges associated with international and local movement, widespread transmission of the SARS CoV-2 virus around the world, and health systems’ capacities being tested, the AFROHUN and SEAOHUN Networks are actively engaging with their representatives and stakeholders on a daily and weekly basis to push and pull the most real-time knowledge and best practices available to combat the pandemic. The teams have also successfully shifted their work routines to utilize remote and online options that are consistent with the local movement restrictions and best practices that minimize risk of SARS CoV-2 transmission, which bodes well for the ongoing productivity of the OHW-NG Project. Last but not at all least, it is significant to note that both AFROHUN and SEAOHUN Secretariats have diligently navigated project startup with the new global partners in order to receive their subawards and push out funding to their country teams using compliant best practices. Taken altogether, it is inspiring to witness the enthusiasm and commitment for implementing the One Health approach, and it instills hope for what can be achieved. The leadership and constituents of the AFROHUN and SEAOHUN Networks look forward to working in a unified approach that can address emerging health issues using both top-down and bottom-up approaches to solve problems, working across sectors and borders for improved health outcomes for all.

One Health Workforce–Next Generation Directors
April 2020

An aerial photograph of a city at sunset, with a strong red overlay. The sun is low on the horizon, creating a warm, orange glow. The city below is silhouetted against the bright sky, with some buildings and roads visible. The sky is filled with soft, white clouds. The overall mood is serene and contemplative.

OBJECTIVES & MANAGEMENT

OBJECTIVE ONE

TRAINING & EMPOWERMENT

Develop, deliver, and institutionalize training and educational offerings in alignment with prioritized One Health core competencies and technical skills

STRATEGIES

- 1.1 One Health Training Content Curation and Development
- 1.2 One Health Academy
- 1.3 One Health Empowerment and Career Development
- 1.4 One Health Experiential Learning
- 1.5 One Health Policy Engagement

MAJOR ACTIVITIES (October 2019–March 2020)

- **GL Activity 1.1.1** Curate and update existing One Health competencies, learning objectives, evaluation tools, and training materials
- **GL Activity 1.2.1** Establish an open One Health Academy online structure to house existing and new One Health curricula
- **GL Activity 1.2.2** Launch first regional ECHO Virtual Community of Practice (VCoP) for One Health Faculty and In-service Professionals

LONG-TERM OUTCOMES/IMPACT

- Increased proficiency in One Health competencies for pre-service and in-service professionals
- Well trained and technically proficient workforce pipeline
- Active and engaged One Health networks that can be activated during health emergencies

MEL INDICATORS

- **1.1:** Total # of existing and new One Health training content and delivery modes, curated, updated and implemented
- **1.2:** Total # of individuals trained
- **1.3:** Total # of SOHICs established and continuing
- **1.4:** Total # of products resulting from small grants awarded

JEE 2.0 TECHNICAL AREA: HUMAN RESOURCES

- **D.4.2** Human resources are available to effectively implement IHR
- **D.4.3** In-service trainings are available



IMPACT

Objective 1 focuses on increasing proficiency in One Health competencies for pre-service and in-service professionals, establishing a well-trained and technically proficient workforce pipeline, and engaging One Health Networks that can be activated during health emergencies.

ACTIVITY UPDATE

GL Activity 1.1.1 Curate and update existing One Health competencies, learning objectives, evaluation tools, and training modules.

The goal of this activity is for the AFROHUN and SEAOHUN Networks to have refined One Health curricula and training programs based on core competencies and in-demand skills. By targeting inclusion of One Health core competencies, OHW-NG can ensure that the Networks and therefore the countries and regions, have a competently trained and technically proficient One Health workforce pipeline. This also leads to One Health graduates/trainees being placed in targeted sectors that address gaps in the workforce as identified by the JEE. In this respect, the OHW-NG Objective 1 working group made significant progress in activity GL 1.1.1.

The OHW-NG appreciates the 10 years of prior Network activities with the previous Consortium. In order to build on these experiences, and to identify and understand gaps, many of the first activities that the OHW-NG undertook were to explore existing data. The Objective 1 working group engaged with the Secretariats on this exercise and also reached out to country-partners as well as USAID to ensure that all activities and products developed in the previous Consortium project are accounted for.

Survey instruments were developed and distributed to the Secretariat and Network country partners to begin the content curation exercise, as the first step in the process of curating and updating materials. A glossary of training-related terms and phrases was produced and a short instructional video was developed to frame the curation project and to motivate data collection. Global Team partners initiated virtual working sessions with the Network partners to aid in the curation exercise. For AFROHUN, a virtual 2-hour orientation was held for 20 country managers, faculty point persons, and activity leads across 8 countries. With SEAOHUN, four national coordinating officers are leading the curation exercise in member countries. As of this report, the project has identified One Health-based regular courses, field activities, and degrees offered at universities in AFROHUN (Cameroon, Rwanda, Tanzania, and Uganda) and SEAOHUN (Malaysia, Thailand and Vietnam). Data continues to be collated at the Global level for review.

NEXT STEPS

The Objective 1 working group will review data collected from the curation exercise survey instruments in order to assess materials developed and to identify and address the gaps in current training programs. By prioritizing the identified gaps, OHW-NG will be able to assist the Networks in developing a more comprehensive and accessible curriculum for immediate use as well as working towards an accreditable certificate in One Health. Network University partners will then be able to offer trainings and accredited One Health programs tailored to address workforce and health security gaps in the country and region.

OBJECTIVE ONE

TRAINING & EMPOWERMENT

GL Activity 1.2.2 As a component of the One Health Academy, launch first regional ECHO Virtual Community of Practice (VCoP) for One Health faculty and in-service professionals.

One of the prioritized thematic areas for this project year is to address hot topic One Health issues. OHW-NG planned to address this through activities targeting curation and revision of training materials (GL 1.1.1), as well as through implementation of the ECHO Virtual Community of Practice (VCoP) sessions that can bring learners together from around the globe in a synchronous or asynchronous manner. The ECHO learning platform is an excellent format for quick dissemination of information across a multi-country community of practice. With the majority of the world working remotely due to COVID-19, these types of virtual platforms become increasingly important. Initial discussions with both AFROHUN and SEAOHUN identified the hot topic areas of antimicrobial resistance, disease transmission and emergence, and organizational sustainability, but in response to the COVID-19 pandemic, the OHW-NG Consortium organized and launched the first regional ECHO COVID-19 events in collaboration with AFROHUN and SEAOHUN on March 23rd, 2020. The two events featured international and regional experts on pandemic emergencies in the context of the One Health framework, engaging more than 900 participants from 54 countries and included French translation.

The COVID-19 pandemic was an urgent and relevant opportunity to launch the OHW-NG Virtual Communities of Practice. The sessions were interactive with opportunities for participants to ask questions, and to engage in side conversations through the chat feature of Zoom. Some participants took advantage of the opportunity to receive instant Continuing Education Credits (e.g. Continuing Medical Education; CME) offered to all who fully attended the ECHO-COVID-19 events.



FIGURE 1. Screenshot image of participants interacting during the first OHW-NG hosted One Health ECHO on COVID-19 as part of launching a One Health Virtual Community of Practice for SEAOHUN and AFROHUN networks in March 2020
(Photo Credit: OHW-NG Consortium/ECHO).

Session ● AFROHUN ● SEAOHUN



FIGURE 2. Global distribution of over 900 participants logging in to participate in the first OHW-NG hosted One Health ECHO on COVID-19 on March 23, 2020, from 54 countries (Photo Credit: ECHO)

This launch was the beginning of a series of OHW-NG hosted ECHO sessions targeting COVID-19 topics that will build on the Virtual Community of Practice (VCoP) that was initiated on March 23rd. This COVID-19 special series will continue for several months on a bi-weekly basis and feature topics such as community surveillance, gender and psychosocial aspects of COVID-19, diagnostic testing, immunity issues and interventions, and One Health approaches addressing COVID-19 origins and spillover. These sessions target hot topics as identified by the OHW-NG Consortium and University Network partners as well as align with competency-based One Health curriculum. The sessions are recorded, and the videos and powerpoint presentations will be part of the content available for dissemination through the One Health Academy.

NEXT STEPS

In coordination with the Network University partners, the Objective 1 working group is developing sessions for the Virtual Communities of Practice moving beyond the COVID-19 pandemic, including antimicrobial resistance and antibiotic stewardship. In addition, the Network Secretariats will participate in ECHO virtual immersion trainings informing them on how to design and implement ECHO platform events. This will allow both SEAOHUN and AFROHUN to develop and implement VCoPs themselves, a critical activity in developing organizational capacity and serving as regional leaders for the University Network partners.

A Special Focus on Faculty & Students

As the backbone and lifeblood of the project, motivated faculty and students are a key to success in building momentum for One Health University Networks around the world. As we move together into the OHW-NG phase of supporting AFROHUN and SEAOHUN to be leaders in building a One Health workforce, catalyzing positive change and paying special attention to the needs of faculty and students is a priority. Within this theme, the OHW-NG Consortium has begun to engage with Student One Health Clubs. As part of the One Health Academy initiatives (GL 1.2.1), the Objective 1 workgroup is supporting the finalization of a publication guide for faculty, and a guide for Student One Health Innovation Clubs (SOHIC).

OBJECTIVE TWO

ONE HEALTH WORKFORCE PLANNING & MANAGEMENT

Establish systems, policies, and procedures to assess and track multisectoral workforce placement, performance, and impact

STRATEGIES

- 2.1 Establish a regional Knowledge Management System
- 2.2 Develop a standardized One Health competency assessment toolkit
- 2.3 Engage One Health coordinating bodies to support workforce assessment and tracking, including inclusion of One Health competencies in Continuing Professional Development certification requirements using a capability maturity model

MAJOR ACTIVITIES (October 2019–March 2020)

- **GL Activity 2.1.1** Conduct a Knowledge Management System (KMS) needs assessment, evaluate existing OHUN websites, review existing KMS, and develop recommendations for design and development of a regional KMS for each network inclusive of its member countries
- **GL Activity 2.2.1** Conduct an in-depth review of existing competencies, learning objectives and assessment tools; identify gaps and/or inconsistencies; add/develop learning objectives where they are missing; and match existing evaluation strategies to each learning objective
- **GL Activity 2.2.2** Review existing data and fill gaps to map national and regional One Health coordinating bodies, with a special focus on: mapping coordination of One Health workforce activities; identifying countries/regions with the strongest multisectoral partnerships for One Health workforce planning and management and distilling best practices; and identifying countries/regions with opportunities to enhance One Health workforce coordination

LONG-TERM OUTCOMES/IMPACT

- Improved quality and increased use of workforce and assessment data for decision making
- Increased placement of One Health graduates in targeted sectors
- Improved multi-sectoral workforce strategies within participating countries

MEL INDICATORS

- **2.1:** % of universities using toolkit to strategically integrate One Health competency assessments into activities
- **2.2:** # of countries in which OHUN universities participate in national-level
- One Health workforce processes

JEE 2.0 TECHNICAL AREA: HUMAN RESOURCES

- **D.4.1** An up-to-date multisectoral workforce strategy is in place



IMPACT

Objective 2 targets strengthening systems and procedures within the AFROHUN and SEAOHUN Secretariat to assess and track their multi-sectoral workforce placement, performance, and impact. Activities are focusing on three areas at this time:

- Establishing a Knowledge Management System (KMS) for each Network Secretariat that will improve their internal operations and that will allow them to pull in external datasets on workforce monitoring and assessment to provide insights and programmatic shifts that, over time, can better equip key sectors with intelligence on human resources available for health emergencies and routine decision making;
- Developing a standardized One Health competency assessment toolkit using a capability maturity model that empowers the Network Secretariats to evaluate knowledge and competencies of individuals, to better inform decision making and strategies for human resource and health workforce strengthening;
- Evaluating the regional landscape of One Health coordinating bodies by working across the OHW-NG Global Team, Secretariats, and Country Chapters/OHUNs, with the goal of improving multi-sectoral workforce strategies and engagement over time.

ACTIVITY UPDATE

GL Activity 2.1.1 Conduct a Knowledge Management System (KMS) needs assessment, evaluate existing OHUN websites, review existing KMS, and develop recommendations for design and development of a regional KMS for each Network inclusive of its member countries.

Following initial orientation and brainstorming via face to face meetings (Fig. 1) and zoom calls with the Secretariats, the Objective 2 working group developed a three-stage KMS needs assessment strategy including a rapid Secretariat self-assessment, key informant interviews (KII) and focus group discussions (FGD) with Secretariat staff, and KII with country-level stakeholders. AFROHUN completed the self-assessment in late March 2020. The KII and FGD with AFROHUN Secretariat members are planned for mid-April 2020 and the KII with AFROHUN country-level stakeholders are planned for May 2020. At the request of the SEAOHUN Secretariat, the SEAOHUN KMS needs assessment has been delayed due to startup phase of the project.

NEXT STEPS

The Objective 2 team will continue the AFROHUN KMS needs assessment, with the goal of completing data collection, synthesizing results and making recommendations by early Q4 of Year 1. Coordination with SEAOHUN Secretariat will dictate the timeline for their KMS needs assessment and follow on tasks.

OBJECTIVE TWO

ONE HEALTH WORKFORCE PLANNING & MANAGEMENT

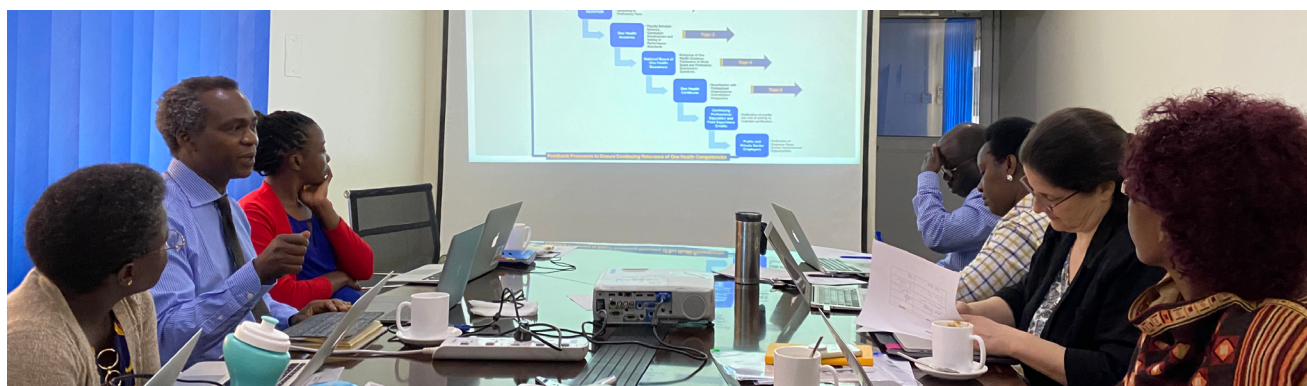


FIGURE 1. AFROHUN meeting in Kampala, Uganda with OHW-NG Global Team in February 2020
(Photo Credit: OHW-NG Consortium)

GL Activity 2.2.1 Conduct an in-depth review of existing competencies, learning objectives, and assessment tools; identify gaps and/or inconsistencies; add/develop learning objectives where they are missing; and match existing evaluation strategies to each learning objective.

The Objective 2 working group has launched this activity and is prioritizing two domains for Year 1: gender and outbreak response. The in-depth review and framework for the first two domains will be completed in April 2020 for further review by the Secretariats. Questions on competency frameworks and assessment tools were included in the Objective 1 curation survey distributed in March 2020 and preliminary data are expected in late April or early May 2020. A more detailed survey instrument to scan for assessment tools has been developed, and will be shared with respondents for completion.

NEXT STEPS

The Objective 2 working group will analyze relevant data from the Objective 1 curation project and circulate the more detailed needs assessment survey. The working group will also continue to develop the framework and competency assessment tool review. Figure 4 shows an example competency assessment tool concept using capability staging.

	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
	Incomplete understanding of essential concepts to complete function	Understanding of essential concepts to complete function	Successfully completes function in simulation setting	Successfully completes function in professional setting*	Successfully completes function in complex simulation	Successfully completes function in complex professional setting
Infection prevention & control	Limited understanding of the fundamental concepts of IPC	Basic understanding of the fundamental concepts of IPC	Ability to apply standard precautions in simulated practice	Ability to apply standard precautions in clinical practice	Ability to apply transmission-based isolation techniques in simulated practice	Ability to apply transmission-based isolation techniques in clinical practice

* Professional settings include but are not limited to clinical, research, public health, and environmental health

FIGURE 4: Illustrative Capability Staging

Activities have focused on developing an optimal approach for information-gathering to assess needs and opportunities for OHUN Secretariats and participating universities to liaise with national and regional One Health coordination bodies as part of the Objective 2 logic model implementation (Fig. 3). A document review was conducted, including strategic frameworks and plans (e.g., OH platform governance manuals), health security assessments (e.g., Joint External Evaluations) and country-specific planning and implementation reports. To validate and expand this scan, a data collection tool was developed to obtain information from universities, government, and professional and licensing associations. This will be implemented as an online survey.

Distribution of the online survey to regional and national stakeholders will inform the landscape analysis of One Health coordinating bodies and stakeholders. Working closely with Secretariat and country teams, strategies for implementation in OHW-NG Year 2 will be identified and discussed.



These activities will be guided by the results of the document review and stakeholder survey. The Objective 2 working group is also actively liaising with intergovernmental partners (e.g. World Bank, West African Health Organization) on an ongoing basis to promote programmatic synergies.

OBJECTIVE THREE

ORGANIZATIONAL SUSTAINABILITY

Strengthen the functional and organizational capacities of the regional One Health university networks to ensure they are capable of acquiring and managing direct donor funding

STRATEGIES

- 3.1 Assessment, benchmarking, and strategic planning
- 3.2 Build network organizational capacities
- 3.3 Develop new and diversified partnerships with a five year vision

MAJOR ACTIVITIES (October 2019–March 2020)

- **GL Activity 3.1.1** Evaluate existing assessments, audit performance, and strategic plans to benchmark the previous status and the process for meeting NUPAS criteria
- **GL Activity 3.1.2** Conduct workshops and activities to establish new benchmarks and update existing business plans with a five-year vision

LONG-TERM OUTCOMES/IMPACT

- Direct recipient of external donor funding
- New and diverse funding partners and enhanced ability to identify and develop partnerships
- Model identified for creating ongoing network revenue for self-reliance

MEL INDICATORS

- **3.1:** Evidence of measurable improvement of key capacities for organizational sustainability
- **3.2:** # of direct funding awards received by the Networks
- **3.3:** # of new and diverse partnerships established for the Networks

JEE 2.0 TECHNICAL AREA: HUMAN RESOURCES

- **D.4.1** An up-to-date multisectoral workforce strategy is in place



IMPACT

Objective 3 builds organizational sustainability for the regional One Health University Networks by strengthening their capacity to demonstrate that they can acquire and manage direct donor funding. Activities within Objective 3 lead to the Networks being empowered to generate revenue for sustained operation, as well as opening up opportunities for new and diverse funding partners for long-term viability.

ACTIVITY UPDATE

GL Activity 3.1.1 Evaluate existing assessments, audit performance, and strategic plans to benchmark the previous status and proceed toward meeting NUPAS criteria.

A key priority for OHW-NG in Year 1 is to assess AFROHUN and SEAOHUN's present organizational capabilities and to help them to design business and strategic plans for addressing any deficiencies in these required standards. There are four key benchmarking assessments associated with this activity: the NUPAS, an international audit, stakeholder mapping, and the OCA tool. In addition, a SWOT (strengths, weaknesses, opportunities, and threats) analysis is being utilized to help determine partner engagement strategies and assess organizational sustainability.

NUPAS (Non-US Organization Pre-Award Survey)

The OHW-NG Global Team successfully conducted a NUPAS assessment of AFROHUN, which included an extensive desk review of organizational documents and virtual site visits with key Secretariat staff in the form of 1-2 hour videoconferences. The findings of these assessments were presented, and priorities for capacity building in Year 1 were identified in a 2.5 hour virtual workshop with broad participation from the AFROHUN Secretariat and Country Chapters, select Objective 3 staff from the OHW-NG Global Team, OHW-NG Consortium leadership, and USAID/Washington. This process is presently underway in SEAOHUN and will be completed in May 2020.

Priority areas for capacity building identified through the NUPAS:

- Diversified sources of funding
- Sub-award management policy
- Legal corporate/entity registrations in countries where AFROHUN undertakes activities
- Indirect cost understanding and utilization

International Audit

The OHW-NG Global Team also reviewed the recent independent audits conducted for each Network Secretariat and determined that a repeat international audit would not be necessary during the initial assessment and benchmarking phase, given the existing audits covered the same objectives and found no deficiencies. Audits required in accordance with 2 CFR 200 Subpart F will be conducted at a later date, as needed.

Stakeholder Mapping

The global team completed the USAID stakeholder mapping tool with AFROHUN and will expand upon this exercise later this year. The SEAOHUN Secretariat staff will complete this exercise in Q3 of Year 1.

OBJECTIVE THREE

ORGANIZATIONAL SUSTAINABILITY

OCA (Organizational Capacity Assessment)

The global team successfully facilitated AFROHUN's self-assessment on the USAID OCA tool, including hosting a 2.5 hour virtual workshop led by AFROHUN to present findings and jointly determine priority capacity-building areas. This process also established a baseline set of scores against which progress will be measured over the five-year initiative.

Priority capacity-building areas identified by the OCA:

- Diversified funding and finance strategy – financial sustainability
- Resource mobilization
- Sub-grant management policies and procedures
- Succession planning
- Communication strategy
- Cost-sharing plan and procedures
- Standards for service delivery

SWOT (Strengths, Weaknesses, Opportunities, and Threats)

The Objective 3 working group engaged in a SWOT analysis with AFROHUN and SEAOHUN to assess organizational sustainability. These assessments included Zoom-based interviews with Secretariat staff and Board members and Zoom-based focus group discussions with country representatives. The SWOT for AFROHUN has been completed, and the SWOT analysis for SEAOHUN is underway and will be completed in May 2020.

Approximately 27 staff attended each of three virtual workshops held related to the SWOT, NUPAS, and OCA. The workshops each lasted 2.5 hours and utilized many interactive features to facilitate dialogue and priority-setting on each tool. The next workshops will outline concrete action steps for Year 1 and beyond to build critical organizational capabilities in each network.

GL Activity 3.1.2 Conduct workshops and activities to establish new benchmarks and update existing business plans with a five-year vision.

OHW-NG successfully planned two workshops entitled “Business Planning Workshops for Organizational Sustainability” to take place at each Secretariat (AFROHUN and SEAOHUN) office in March and April 2020. The objective for each was to formulate the vision, strategy, and tactics required to draft the business plan for each network. However, due to COVID-19, these in-person workshops were postponed. OHW-NG quickly pivoted and facilitated 5 “virtual workshops” with AFROHUN to enable discussion on the benchmarking assessments and to establish common priorities for capacity-building. The workshops were well attended virtually by all partners including Secretariat, OHW-NG Global Team, and USAID/Washington representatives.

NEXT STEPS

The working group in collaboration with the Secretariats will launch the Organizational and Leadership activities (June 2020) to build capabilities identified in the virtual workshops as priorities and facilitate cross-Secretariat peer learning. The Objective 3 working group will continue with the planning workshops focusing on the development of business plans for each Secretariat by the end of Year 1.

PROJECT MANAGEMENT & COMMUNICATIONS

The OHW-NG Consortium consists of world renowned partners based across North America, Africa, and Southeast Asia. Regional training is implemented using a hub and spokes model where AFROHUN Secretariat links out to Country Chapters and SEAOHUN Secretariat links out to Country OHUNs, respectively. The regional One Health University Networks are supported by the OHW-NG Global Team that is a highly collaborative group of US-based organizations with complementary missions and extensive experience working in the current AFROHUN and SEAOHUN countries, as well as in countries proposed for Network expansion over time.

HIGHLIGHTS

- The OHW-NG Global Team held kickoff meetings in coordination with AFROHUN and SEAOHUN, respectively, to mark the launch of the new project as well as to develop Year 1 workplans. The SEAOHUN launch was held from November 11-13, 2019 in Bangkok, Thailand, and the AFROHUN launch was held from December 4-6, 2019 in Entebbe, Uganda. These meetings allowed the Global and Network teams to meet in person, to explore OHW-NG strategies and themes, and to refine activities for Year 1. The meetings were attended by USAID, Global Team, Secretariat and Board members, as well as representatives from country Networks and Chapters.



Photos (Left-Right): SEAOHUN launch meeting in Bangkok, Thailand; AFROHUN launch meeting in Entebbe, Uganda
(Photo Credit: OHW-NG Consortium)

- The Global Team is comprised of seven main partners (led by UC Davis as prime recipient) and during the startup phase has focused on establishing and optimizing project management and communication systems to facilitate successful implementation of project activities as well as completion of required financial and technical reporting. Weekly Management Team coordination calls with USAID have been held regularly, as well as bi-weekly Executive Board calls with representation from all Global Teams and Objective leads. In addition, Objective Team working groups have been structured to include various sub-groups based on strategy and activity to more effectively utilize the vast breadth of experience within the Global Team. Coordination calls with the Network Secretariats are ongoing, as well as operational calls with the Network Secretariats and their respective country-based teams. With the inability to meet face-to-face due to COVID-19, coordination calls employing Zoom technology have become critical for project operations, and have been well-received by all involved.

PROJECT MANAGEMENT & COMMUNICATIONS

ACTIVITY UPDATES

GL Activity PMC.1.1 Collaborative and adaptive management of project operations and compliance with policies and procedures and GL PMC.1.2 Responsive communications and reporting:

- The OHW-NG Consortium successfully developed and received approval for the OHW-NG Year 1 Work Plan as well as the Year 1 GHSA Work Plan for alignment with JEE 2.0 and GHSA action packages and indicators.
- OHW-NG Global Team met at least quarterly with USAID for in-person discussions on project implementation, workplan strategy, and MEL progress.
- OHW-NG Global Team has been trained on both TraiNet and the newly launched USAID TEAMS system to support operational training and reporting requirements.
- The OHW-NG Global Team developed Standard Operating Procedures and Best Practice Resources to monitor and track activity completion at the global, regional and country levels, along with providing guidance to implementing partners on how to most appropriately manage USAID funds and ensure compliance with the terms and conditions of their subawards.
- UC Davis has established new subawards for all main Global Team partner organizations and the Network Secretariats (8 in total). Additionally, sponsor approval has been obtained for SEAOHUN to issue subawards to Country Networks in Malaysia (MyOHUN), Thailand (THOHUN), and Vietnam (VOHUN).

GL Activity PMC.1.3 One Health Workforce – Next Generation 2020 Consortium Meeting:

The OHW-NG Consortium originally planned to strategically convene its annual global meeting in conjunction with the World One Health Congress (WOHC) in Edinburgh, Scotland in June 2020. Due to the COVID-19 pandemic, this meeting has been postponed until Fall 2020. Thus, the OHW-NG Consortium is currently updating Year 1 activity ideas to take advantage of online options for virtual engagement during summer 2020 that will be more feasible to build connectivity, knowledge sharing, and innovation in the form of an online conference or workshop series involving the SEAOHUN, AFROHUN, and Global Team partners.

An aerial photograph of a city, likely Santiago, Chile, taken from a high vantage point. The city is spread across a valley, with numerous buildings and green spaces visible. In the background, a range of mountains is silhouetted against a sky filled with soft, white clouds. The entire image is covered with a semi-transparent red overlay, which is darker at the top and bottom and lighter in the center where the text is located. The text 'REGIONAL & COUNTRY REPORTS' is centered in the upper half of the image.

REGIONAL & COUNTRY REPORTS

AFROHUN

AFRICA ONE HEALTH UNIVERSITY NETWORK*



OUR NETWORK



16 Participating Universities



17 Student One Health Clubs*



22 Planned Activities



8 Countries*

*Democratic Republic of Congo activities to begin soon

HIGHLIGHTS

- Conducted a regional workplanning meeting in Uganda with members from the country chapters and the OHW-NG Consortium to share highlights of activities conducted under the One Health Workforce project and to identify priorities for the Year 1 workplan.
- Completed and shared the Year 1 workplan for operational alignment with partners.
- Held an implementation strategy meeting with members of the OHW-NG Consortium and AFROHUN Secretariat staff to share ideas and priorities and to discuss plans and coordination for Year 1 activities.
- Performed a restructuring exercise at the country level that included recruitment of Country Managers to lead coordination of activities in each country in the AFROHUN Network and to serve as the country liaison between the country teams, the Secretariat, and the OHW-NG Global Consortium.
- Conducted the orientation for Country Managers and Country Administrators for each country chapter in AFROHUN. The orientation improved the staffs' understanding of the AFROHUN Network, their roles and responsibilities, and how to engage across departments and partners in their jobs.
- Supported grant writing efforts with Ethiopia and Uganda teams in response to two country specific CDC grant opportunities and participated in grant proposals with the OHW-NG Global Consortium.

*formally OHCEA

ADAPTING TO COVID-19

- Supported countries in the initiation of implementing Year 1 activities, adapting to workplace access limitations due to the COVID-19 pandemic, and developing concepts for new activities related to COVID-19 response.
- AFROHUN and the OHW-NG Global Consortium hosted a special One Health ECHO (Extension for Community Healthcare Outcomes) webinar on COVID-19 which was attended by more than 400 AFROHUN Network members and other interested stakeholders from the CDC, WHO, government ministries, health care institutions.
- Produced COVID-19 weekly briefings to share updates on the pandemic and the activities that the OHW-NG teams are engaging in related to COVID-19.
- Following the start of the COVID-19 pandemic, various measures were instituted in AFROHUN Network Countries to ensure social distancing. As a result, AFROHUN staff switched over to working from home with activities conducted online in line with the government COVID-19 response measures. This approach has ensured that work at the Secretariat and in all countries continues during this period when most countries are under lockdown. The majority of planned activities are on-going utilizing virtual platforms, but some activities that require in-person engagements have been postponed.

ACTIVITY UPDATES

- *AFR 1.1.3: Curate and evaluate the status of utilization of existing One Health training materials and tools:* Assisted with development of the data collection tools for curation of One Health training materials and oriented Country Managers on the exercise. Activity leads at the Network Universities have started to collect data on existing One Health training materials in their institutions.
- *AFR 1.2.5: Review and roll-out of the SOHIC Guide:* Review of the SOHIC guide is on-going. The OHW-NG Global Consortium, including the Objective 1 working group, has reviewed the guide and provided feedback to the AFROHUN Secretariat.
- *AFR 2.1.3 Conduct a knowledge management needs assessment:* The AFROHUN Secretariat conducted a knowledge management needs assessment. The self-assessment results were shared with the Objective 2 working group. The Secretariat is scheduling key informant interviews and focus group discussions with AFROHUN members to identify needs for knowledge management and priorities for a knowledge management system.
- *Activity 3.1.3 Evaluate existing assessments, audit performance, and strategic plans to benchmark the current status and the process for meeting NUPAS criteria:* Performed a benchmarking assessment for the Non-U.S. Organization Pre-award Survey (NUPAS); a SWOT analysis to identify strengths, weaknesses, opportunities, and threats related to organizational sustainability, and a baseline organizational capacity assessment (OCA) using the USAID OCA tool to define short-term, medium-term, and long-term priorities for capacity strengthening, based on self-assessed need. These assessments generated valuable information on strengths and opportunities for targeted capacity strengthening efforts.
- *Activity 3.2.4 Upgrade, host and maintain online M&E system:* The online M&E tool was upgraded to conform with the requirements of the OHW-NG MEL plan. Orientation on the system was conducted for AFROHUN regional staff and Uganda country office staff.

NEXT STEPS

AFROHUN will continue working remotely to engage in selected activities until such a time when it is appropriate to have in-person interactions. Priority tasks that AFROHUN Secretariat plans to implement include:

- Supporting SOHICs to implement approved COVID-19 risk communication and community engagement activities, which will build students' key One Health competencies while promoting visibility for the AFROHUN network and OHW-NG project.
- Collecting and analyzing data for curation and evaluation of One Health training materials and tools.
- Conducting a knowledge management needs assessment to inform on the development of a regional knowledge management system.
- Reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.
- Supporting countries to adjust their planned activities in light of the COVID-19 pandemic for continued progress towards project deliverables and goals.
- Conducting country kick off meetings following approval of the Year 1 work plan.

CAMEROON

ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



2 Participating Universities



2 Student One Health Clubs





20 Engaged Faculties




11 Planned Activities

HIGHLIGHTS

- Completed and shared the Year 1 workplan for operational alignment with partners, including administrations of the AFROHUN member universities, the government (National One Health Platform), other USAID-funded programs (IDDS, MTAPs), and the USAID mission in Cameroon.
- Officially inaugurated the “Teleconference and Training Unit” of the University of Buea (UB), one of the two facilities acquired under the “Pedagogic Platform” activity of the One Health Workforce Project on February 28th, 2020. Organized by the two AFROHUN Deans of UB, the ceremony was witnessed by the entire University top leadership, staff, students and some visiting Lecturers from the US. This ceremony that was broadcast by major media houses in Cameroon, included a presentation by the Country Manager on the AFROHUN University Network and its achievements. Hosted in the Faculty of Health Sciences, the unit will be used for virtual conferencing, distance lecturing and teaching, and online seminars.
-  Participated and engaged Cameroon OHW-NG partners in the OHW-NG and AFROHUN led special One Health COVID-19 ECHO session and the WHO AFRO interactive session on the clinical management and IPC of COVID-19.
-  Disseminated COVID-19 related information through different online mailing and WhatsApp groups across Cameroon.

ACTIVITY UPDATES

- Delivered a presentation to University faculty on the OHW-NG project and OHW-NG Global Consortium partners.
- Participated in the regional workplanning meeting with the AFROHUN Secretariat and the OHW-NG Global Consortium partners from December 4-6, 2019 in Entebbe Uganda.
- Completed a one-week online orientation for Country Managers and Country Administrators that was conducted by the AFROHUN Secretariat.
- Designated and engaged Thematic and Activity Leads for the Year 1 activities.
- Held meetings with deans, university officials, government officials (Ministry of Higher Education, National One Health Platform) and the USAID mission to discuss country needs, in light of prioritizing activities for the Year 1 workplanning sessions, held from December 6-10, 2019 in Buea, UdM and Yaounde.
- GL Activity 1.1.1: *Curate and update existing One Health competencies, learning objectives, evaluation tools, and training materials*: Initiated One Health training materials curation exercise to document all materials developed by the AFROHUN Network during the previous project phases.
- CRN Activity 3.1.4: *Support members of AFROHUN-Cameroon to participate in GHSA and strategic partners meetings*: AFROHUN Cameroon Country Manager engaged GHSA and other partners (through phone and emails) to sensitize them on the new OHW-NG program and discussed plans for Year 1 approved activities.
-  Revised some Year 1 workplan activities to virtual events to adapt to the current context of COVID-19 and social distancing measures.
- The country structure of AFROHUN has changed, with the introduction of Thematic Leads to assist the Country Manager in implementation of activities. Activity Leads have also moved from institutions to national focus. This restructure will increase the organizational capacity of the Network in-country.

NEXT STEPS

The COVID-19 pandemic is reshaping how the Networks approach activities, highlighting the importance of online platforms and Virtual Communities of Practice. This will impact our work plan through adaptation of activities (COVID-19 relevant) and refinement of implementation strategies to prioritize e-meetings, in place of face-to-face gatherings.

AFROHUN Cameroon will continue working remotely to implement activities. The team will continue to support SOHICs to implement COVID-19 risk communication and community engagement activities (following social distance

regulations). AFROHUN Cameroon will also continue to engage in the collection and analyses of data for curation and evaluation of One Health training materials and tools. The team will participate in the process to conduct a knowledge management needs assessment to inform on the development of a regional knowledge management system. AFROHUN Cameroon will also work with the Secretariat on reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.

ETHIOPIA

ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



3 Participating Universities



2 Student One Health Clubs



14 Engaged Faculties



11 Planned Activities

HIGHLIGHTS

- Completed and shared the Year 1 workplan for operational alignment with partners.
- Completed a one-week online orientation for Country Managers and Country Administrators that was conducted by the AFROHUN Secretariat.
-  Initiated Twitter and Facebook accounts for AFROHUN Ethiopia which currently have 159 and 388 followers, respectively. The Country Manager is a member of a University multidisciplinary taskforce for COVID-19. Using the Twitter and Facebook accounts, AFROHUN Ethiopia will share news, events and success stories in addition to hosting virtual discussions. In addition, a WhatsApp group will be created where students and faculty will share information.
-  Participated in radio talk shows to sensitize community members about COVID-19 and address misconceptions about the disease.



ACTIVITY UPDATES

- Attended a regional work planning meeting with Secretariat and OHW-NG Global Consortium partners from December 4-6, 2019 in Entebbe Uganda.
- Participated in a GHSA partners' meeting held in Addis

Ababa on January 16, 2020. Each of the partners presented their planned activities, accomplishments, and activities to be implemented during the following month.

NEXT STEPS

AFROHUN Ethiopia will continue working remotely to implement activities. The team will continue to support SOHICs to implement approved COVID-19 risk communication and community engagement activities (following social distance regulations). AFROHUN Ethiopia will also continue to engage in the collection and analyses of data for curation and evaluation of One Health training

materials and tools. The team will participate in the process to conduct a regional knowledge management needs assessment to inform on the development of a knowledge management system. AFROHUN Ethiopia will also work with the Secretariat on reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.

KENYA

ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



2 Participating Universities



3 Student One Health Clubs



16 Engaged Faculties



17 Planned Activities

HIGHLIGHTS

- Completed and shared the Year 1 workplan for operational alignment with partners.
- Reviewed and provided input on the One Health Strategic Plan for Kenya. The input included incorporation of AFROHUN as a key stakeholder.
- The University of Nairobi College of Health Sciences SOHIC held a virtual seminar on One Health on 28 March 2020 attended by 232 participants. Participants included AFROHUN Kenya staff, Activity Leads and students from UoN, Moi University, and Egerton University.
- Participated in a planning meeting for capacity building of frontline health workers (including Environmental Health Officers) involved in the COVID-19 response activities.
- AFROHUN Kenya organized an informational session on COVID-19 for students in early March 2020 at the University of Nairobi - College of Agriculture and Veterinary Services (UoN-CAVS). A total of 71 participants attended the session that was facilitated by partners from the Institute of Primate Research



ACTIVITY UPDATES

- *GL Activity 1.1.1: Curate and update existing One Health competencies, learning objectives, evaluation tools, and training materials:* Initiated One Health training material content curation exercise to document all materials developed by the Network.
- *KY Activity 1.1.4: Customize existing AMR curriculum for CPD:* AFROHUN Kenya participated in an AMR workshop organized by the National Antimicrobial Stewardship Implementation Committee (NASIC) from 29th – 31st January 2020, to deliberate on Antimicrobial Stewardship training materials. The workshop also offered an opportunity to explore synergies on similar efforts to the planned activity.
- *GL Activity 1.4.1: Rx One Health Field Institute:* One faculty member from the UoN-CAVS was nominated to attend, and subsequently submitted an application to the Rx One Health Field Institute.
- *KY 3.3.3: Hold Quarterly Country Level Alignment Meetings:* AFROHUN Kenya country office held its first meeting with the Deans utilizing an online platform, on 3 March 2020 to discuss progress and plans.
- Participated in the GHSA partners meeting in Nairobi on 14 January 2020 and the GHSA-AFROHUN meetings with the USAID mission advisor on 10 January 2020 and 27 February 2020.
- The AFROHUN Kenya Country Manager and Administrator participated in the weeklong OHW-NG program orientation session organized by the Secretariat.
- The AFROHUN Kenya Country Manager sensitized faculty on the OHW-NG program and outlined the activities for Year 1 during a special faculty board meeting held on 26 February 2020 for the Faculty of Veterinary Studies at the UoN-CAVS.

NEXT STEPS

AFROHUN Kenya will continue working remotely to implement activities. The team will continue to support SOHICs to implement approved COVID-19 risk communication and community engagement activities (following social distance regulations). AFROHUN Kenya will also continue to engage in the collection and analyses of data for curation and evaluation of One Health training

materials and tools. The team will participate in the process to conduct a regional knowledge management needs assessment to inform on the development of a knowledge management system. AFROHUN Kenya will also work with the Secretariat on reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.

RWANDA

ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



2 Participating Universities



1 Student One Health Club



17 Engaged Faculties



9 Planned Activities

HIGHLIGHTS

- Completed and shared the Year 1 workplan for operational alignment with partners.
- Completed a one-week online orientation for Country Managers and Country Administrators that was conducted by the AFROHUN Secretariat.
- Conducted a meeting with the SOHIC students during their general assembly and delivered a presentation on the AFROHUN network and the OHW-HG project.



ACTIVITY UPDATES

- *GL Activity 1.1.1 Curate and update existing One Health competencies, learning objectives, evaluation tools, and training materials:* Initiated One Health training content curation exercise to document all materials developed by the Network. The activity is ongoing in collaboration with faculty and activity leads and Head of Departments at the University of Rwanda.
- *Activity RW 3.3.3: Conduct outreach and engage existing and new partners:* The Rwanda AFROHUN Country Manager met with top leadership of vocational training institutions in the country to discuss the OHW-NG project and the AFROHUN network and to explore possibilities of collaboration in One Health training. The Country Manager also

reached out to FAO to discuss opportunities for collaboration.

- The AFROHUN Rwanda Country Manager and Country Administrator attended a one-week virtual orientation workshop facilitated by the AFROHUN Secretariat staff.



Developed a concept for engaging students in COVID-19 response activities through a series of community engagements on risk communication.

NEXT STEPS

AFROHUN Rwanda will continue working remotely to implement activities. The team will continue to support SOHICs to implement approved COVID-19 risk communication and community engagement activities (following social distance regulations). AFROHUN Rwanda will also continue to engage in the collection and analyses of data for curation and evaluation of One Health training materials and tools. The team

will participate in the process to conduct a knowledge management needs assessment to inform on the development of a regional knowledge management system. AFROHUN Rwanda will also work with the Secretariat on reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.

SENEGAL

ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



1 Participating University



2 Student One Health Clubs



15 Engaged Faculties



7 Planned Activities

HIGHLIGHTS

- Completed and shared the Year 1 workplan for operational alignment with partners.
- Completed a one-week online orientation for Country Managers and Country Administrators that was conducted by the AFROHUN Secretariat.
- Identified and engaged Thematic Leads for Year 1 activities.
- Identified partners for implementation of Year 1 activities.



ACTIVITY UPDATES

- Attended a regional planning meeting with the Secretariat and OHW-NG Global Consortium partners from December 4-6, 2019 in Entebbe Uganda. Deans, Country Administrators and newly recruited Country Managers participated in this meeting.
- SOHICs of the University Cheikh Anta Diop (UCAD) of Dakar and Université de Liège (Belgium) worked on a climate change project entitled “Village climato-intelligent au Sénégal, ou comment s'adapter au changement climatique”.
- Worked on institutionalizing SOHICs across the country, so that activities are well-coordinated across clubs in Senegal and to facilitate building sustainable partnerships.
- *SN Activity 3.3.3 Participate and communicate about AFROHUN in national and international partner's meetings conferences:* The AFROHUN Senegal Country Manager and Country Administrator participated in meetings organized by the National Council on Global Health Security (18 December 2019, 15 January 2020, 4-6 March 2020); USAID (COFIL on 23 December 2020 and COP on 12 March 2020); Breakthrough Action (8-10 January 2020, 17-19 March 2020).
- *GL Activity 1.1.1: Curate and update existing One Health competencies, learning objectives, evaluation tools, and training materials:* Initiated One Health training content curation exercise to document all training materials developed by the network.

NEXT STEPS

AFROHUN Senegal will continue working remotely to implement activities. The team will continue to support SOHICs to implement approved COVID-19 risk communication and community engagement activities (following social distance regulations). AFROHUN Senegal will also continue to engage in the collection and analyses of data for curation and evaluation of One Health training materials and tools. The team

will participate in the process to conduct a knowledge management needs assessment to inform on the development of a regional knowledge management system. AFROHUN Senegal will also work with the Secretariat on reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.

TANZANIA

ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



2 Participating Universities



3 Student One Health Clubs




12 Engaged Faculties




8 Planned Activities

HIGHLIGHTS

- Completed and shared the Year 1 workplan for operational alignment with partners.
- Completed a one-week online orientation for Country Managers and Country Administrators that was conducted by the AFROHUN Secretariat.
-  Participated in the OHW-NG One Health COVID-19 ECHO session for AFROHUN members.



ACTIVITY UPDATES

-  *Activity TZ 1.4.3 Student One Health Innovations Club environmental sanitation awareness to commemorate the World Environment Day:* Developed concept note to expand on previous community engagement and awareness campaigns that were led by students in the Student One Health Innovation Club to include COVID-19.
- *Activity TZ 3.3.3 Attend Quarterly GHSA and other national level meetings:* The AFROHUN Tanzania Country Manager participated in two GHSA meetings (4 February 2020 and 25 March 2020)

organized by the USAID mission in Tanzania and delivered presentations on the transition of the network from OHCEA to AFROHUN and on plans for activities to be implemented by AFROHUN Tanzania.

- *GL Activity 1.1.1: Curate and update existing One Health competencies, learning objectives, evaluation tools, and training materials:* Initiated One Health training content curation exercise to document all One Health training materials developed by the network.

NEXT STEPS

AFROHUN Tanzania will continue working remotely to implement activities. The team will continue to support SOHICs to implement approved COVID-19 risk communication and community engagement activities (following social distance regulations). AFROHUN Tanzania will also continue to engage in the collection and analyses of data for curation and evaluation of One Health training materials and tools. The team

will participate in the process to conduct a knowledge management needs assessment to inform on the development of a regional knowledge management system. AFROHUN Tanzania will also work with the Secretariat on reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.

UGANDA

ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



2 Participating Universities



2 Student One Health Clubs




11 Engaged Faculties




13 Planned Activities

HIGHLIGHTS

- Completed and shared the Year 1 workplan for operational alignment with partners.
- Completed a one-week online orientation for Country Managers and Country Administrators that was conducted by the AFROHUN Secretariat.
-  Participated in National Task Force meetings on COVID-19 and AFROHUN Uganda was invited to support the risk communication subcommittee.



ACTIVITY UPDATES

- Developed Year 1 workplan in collaboration with the University Deans, AFROHUN Secretariat, and other OHW-NG Global Consortium partners during the regional planning meeting held on 4-6 December 2019 in Entebbe.
- GL Activity 1.1.1: *Curate and update existing One Health competencies, learning objectives, evaluation tools, and training materials*: Initiated One Health training content curation exercise to document all training materials developed by the network.
- UG activity 1.4.2: *Conduct Uganda One Health Institute- Theoretical Principles in Infectious Disease Management (IDM- undergraduate and post-graduate) course*: Engaged the E-learning Manager and the College of Education and External Studies at the Makerere University on plans for online delivery of the Theoretical Principles in Infectious Disease Management course.
- UG Activity 1.2.3 *Experiential learning using Students' One Health Innovations Clubs*: Conducted meetings with the president and committee members of the Makerere University SOHIC to discuss activities to be implemented during Year 1.
- Initiated collaboration with the Ministry of Health, Department of Health Promotion, Education and Communication and the Ministry of Education and Sports on first aid training for schools, including first aid for animal bites. Students from the SOHICs will participate in the training workshops and will integrate One Health concepts into the curriculum.
- Participated in the One Health district training project meetings organized by the Makerere University School of Public Health (MakSPH) and AFROHUN. The meeting reviewed One Health modules to be used during the training and harmonized the districts to be trained. RESOLVE project, a One Health implementation partner, sought to collaborate with AFROHUN Uganda on their plans to establish One Health structures in all districts of Uganda.
- Participated in a stakeholders meeting organized by the East African Community regarding planning for a Cross-Border Field Simulation Exercise to be conducted in October 2020 along the Uganda/ South Sudan Border. As a One Health champion in the East African region, AFROHUN Uganda was invited to contribute to planning and implementation of this exercise.
-  Developed a concept note to support the risk communication subcommittee of the National COVID-19 Taskforce in Uganda.

NEXT STEPS

AFROHUN Uganda will continue working remotely to implement activities. The team will continue to support SOHICs to implement approved COVID-19 risk communication and community engagement activities (following social distance regulations). AFROHUN Uganda will also continue to engage in the collection and analyses of data for curation and evaluation of One Health

training materials and tools. The team will participate in the process to conduct a knowledge management needs assessment to inform on the development of a regional knowledge management system. They will also work with the Secretariat on reviewing results from the NUPAS and OCA and prioritizing Year 1 actions for capacity strengthening.

SEAOHUN

SOUTHEAST ASIA ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



81 Participating Universities



24 Student One Health Clubs*



102 Engaged Faculties*



14 Planned Activities



7 Countries**

*Indonesia - 34, Malaysia - 22, Thailand - 24, Vietnam - 22

**Cambodia, Laos PDR, Burma, and Philippines planned for future expansion of SEAOHUN network

HIGHLIGHTS

- Co-organized formation of LAOHUN in Lao PDR and celebrated One Health Day in Laos
- Facilitated inclusion of the Philippines in the SEAOHUN network (7th country to join SEAOHUN)
- Issued subawards to MyOHUN, THOHUN, and VOHUN
- Secured six organizations to host SEAOHUN Fellows in 2020



ACTIVITY UPDATES

- Represented Country Networks at international symposia/conferences in China and Bangladesh, the regional ASEAN Health Cluster 2 meeting and the Greater Mekong Subregion working group on health cooperation
- Facilitated, compiled and received approval for Year 1 work plan and budget
- SEA 1.5.1 *Support One Health fellows for internships with government and international policy-making organizations*: Announced the SEAOHUN Fellowship program
- GL 3.1.2 & SEA 3.2.5 *Conduct a biannual meeting of SEAOHUN Executive Board*: Planned meetings to establish business plans and SEAOHUN Executive Board meeting
- SEA 3.2.4 *Conduct an annual meeting of SEAOHUN Foundation Board*: Planned SEAOHUN Foundation Board meeting
- SEA 3.3.2 *Contribution to address workforce gap(s) of ASEAN+3 Field Epidemiology Training Network (FETN)*: Engaged with ASEAN+3 FETN to address workforce gaps.

NEXT STEPS

- Continue to work with the Objective 3 OHW-NG Global Team Working Group to develop business plans and assess organizational sustainability
- Issue the subaward agreement for INDOHUN through University of Indonesia
- Finalize the recruitments for the Program Officer and Program Manager positions to support SEAOHUN Secretariat operations

INDOHUN

INDONESIA ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



20 Participating Universities



1 Student One Health Club*




34 Engaged Faculties



13 Planned Activities

*OHSC Udayana




HIGHLIGHTS

- OHW-NG Y1 workplan development, submission and approval
-  i-Learn platform utilization to assist distance learning to support Universities during the COVID-19 outbreak in Indonesia



ACTIVITY UPDATES

IN Activity 3.3.2 *Build partnership development capabilities within the university networks (INDOHUN Web-Based Communication)*

- Attended BBC Media Training for NCO communication staff
- Attended ZDAP work planning workshop
- Provided OHCC Financial and Administrative Training for All OHCCs
- OHCC Airlangga University participated in iSIKHNAS Public Private Partnership Impact Evaluation
- OHCC Udayana University faculty prepared One Health Student Club material (Batch 3 preparation) and held a talk show on the Awareness of African Swine Fever in Udayana
-  OHCC Gajah Mada University faculty participated in the Federation of Biotechnology Regional Symposium 2020 (12th ARS 2020), and increased awareness of the COVID-19 outbreak through social media
-  OHCC Syiah Kuala University conducted a training on scientific writing and hosted an informational webinar on COVID-19 preparedness and response
-  OHCC Cendrawasih University faculty participated and contributed to preparation of materials to the CTPS (Cuci Tangan Pakai Sabun) on washing hands using soap, One Health and zoonotic diseases education for students, and increased awareness related to COVID-19 exposure and health promotion

NEXT STEPS

- Strengthen the coordination and communication among all OHCCs by conducting monthly meetings
- INDOHUN will continue to reach out to additional faculties and Universities from various disciplines (beyond health) to expand the Network
- Planning meetings including the discussion with TCA, Gol, and other relevant stakeholders in Indonesia

MyOHUN

MALAYSIA ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



17 Participating Universities*



8 Student One Health Clubs



22 Engaged Faculties



14 Planned Activities

*4 Ministry/Department Members

HIGHLIGHTS

MyOHUN completed the planning process for activities approved for OHW-NG Year 1 through our Strategic Planning Workshop involving senior MyOHUN project executors alongside junior members.



ACTIVITY UPDATES

- MY Activity 3.1.4 *MyOHUN Strategic Planning Meeting*: MyOHUN Strategic Planning Workshop was held from 13-15 March 2020 and attended by 45 representatives from the member institutions including Government Ministries, agencies, Universities and NCO staff for workplan implementation of Year 1 activities. This workshop was important not only to shape the content of the activity and to ensure its smooth execution, but also for network strengthening and sustainability.
- MyOHUN in collaboration with the Defense Threat Reduction Agency (DTRA) Biological Threat Reduction Program (BTRP) coordinated the Technical Writing and Grantsmanship Workshops from 2nd – 6th Dec 2019 and 2nd – 6th March 2020. The purpose of this program is to provide participants with the skills to develop competitive research proposals and familiarize them with the process of applying for international grant funding. The workshop fully engaged 19 MyOHUN academicians from multiple Universities for both workshops.
- MyOHUN World Antibiotic Awareness Week Engagements: National TV Interview on Antibiotic Resistance Awareness on *Mingguan Wanita* (Women's Weekly); Opening talk on Antibiotic Awareness Day at the Teaching Hospital in Universiti Putra Malaysia; and Moderated interagency panel discussion from NGO, human and animal sectors in an Inter-ministerial Antibiotic Awareness Week Seminar participated by more than 300 participants from universities and ministries.
- Within the Crisis Preparedness Response Centre (CPRC) at the Ministry of Health Malaysia, MyOHUN assisted with the call for volunteers among MyOHUN members with medical backgrounds or health related training to help with field surveillance activities related to COVID-19. More than 1000 volunteers registered within 7 days via MyOHUN.
- Universiti Sains Islam Malaysia (USIM) One Health Interest Group, in collaboration with Intechno Solutions and OHSC created an educational video to help increase people's awareness about the importance

of social distancing, hand washing and following the Movement Control Order to control the spread of COVID-19. This video was narrated in Malay with both Malay and English subtitles. Both versions of the video have been shared throughout various social media platforms such as Facebook, Instagram, YouTube and applications such as WhatsApp and Telegram.

- Prior to the COVID-19 Movement Order and building on previous Student One Health Club activities engaging school children, USIM's Malaysia Student One health clubs continued to engage local communities, sensitizing school children on proper hygiene and zoonotic disease risk. Lecturers and students from the USIM One Health Student Club and Animonsta Studios interacted with primary school children to increase awareness on outbreaks and how to protect themselves from zoonotic infection. The 2-hour program included a sketch, interactive lecture, singing a hand washing hygiene song, and demonstrations on hand hygiene, cough etiquette and how to use a face mask. The Boboiboy mascot was used in activities to better connect with the children. The team engaged 400 students and 20 teachers.
- The Chairman and Coordinator of MyOHUN was asked to provide information about the COVID-19 outbreak and on potential risk to animals for the Department of Veterinary Services.
- MyOHUN Coordinator participated in two phone interviews on national radio BFM 89.9 to discuss the H5N1 outbreak in China that was occurring simultaneously with COVID-19 as well as provide information on COVID-19 transmission among pets.
- MyOHUN Coordinator participated in a phone interview with a Hong Kong based newspaper, South China Morning Post to help shape a media piece on One Health and emerging infectious disease.

NEXT STEPS

The NCO will organize periodical online meetings with Project Leaders and committees to improve implementation of MyOHUN activities.

MyOHUN will also work to increase participation from the environmental sector and inclusion of additional universities.

MyOHUN will strategize on the execution of the remaining Year 1 approved activities post-COVID-19 Movement Control Order (MCO) considering the possibility of ongoing social distancing regulations are in place.

THOHUN

THAILAND ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



10 Participating Universities



24 Engaged Faculties



6 Planned Activities

HIGHLIGHTS

Biorisk Awareness Workshop for the Deans on Jan 27, 2020: This activity is the first of a series of activities involving the THOHUN university network to integrate BRM into the Curriculum. The activity was supported and conducted by DTRA and Sandia National Laboratories with THOHUN collaboration. THOHUN helped coordinate and publicize the event inviting the University Deans and participants. Parts I and II will follow in August 2020.



ACTIVITY UPDATES

- Attended OHW-NG Year 1 Workplanning Meeting on November 12-13, 2019 in Bangkok Thailand
 - Attended OHW-NG virtual meeting (UCD and SEAOHUN/OHUNs) on March 10, 2020
 - Participated in the DTRA/BTRP and Sandia National Laboratories one-day Advanced Bio-risk Awareness workshop for University Deans in the THOHUN network. THOHUN was responsible for providing guidance and leadership on curriculum development, program evaluation and compliance for educational requirements. THOHUN also conducted a needs and gaps assessment with THOHUN member institutes and partners from seven ministries and the Thai Red Cross Society on BRM. Analyses have been used for guidance on BRM modules and courses needed for 1) undergrad students, graduate students, faculty and researchers, 2) laboratory managers and BRM experts.
 - A meeting was held to announce the partnership between Pfizer / SEAOHUN / THOHUN as a success of how public/private partnership can contribute to addressing AMR challenges for Thailand and the region.
-  Pfizer and THOHUN launched an online course on AMR management, AMR in veterinary practice, roles of vaccines in prevention of AMR, and the COVID-19 outbreak with the British Society for Antimicrobial Chemotherapy and University of Dundee. THOHUN

faculty members (50) and partners from the Ministry of Public Health, Livestock Department and Thailand Excellence for Life Sciences (18) were enrolled in the online course that will start in April and run for 11 weeks. After completion, trainees will serve as THOHUN Trainers or “Champions for AMR” and will develop AMR-AMU courses for training of University students, health workers and public health workers.

- The THOHUN chairman participated in the 2nd National Forum for AMR and was an invited speaker on the expert panel discussion on “Connecting the dots: Aligning evidence to policy.”
- Dr. Saengduen; THOHUN Coordinator assisted Thai MOPH in the development of an International Short Course on Global Health One Health to align with GHSA.
- The majority of communications on business planning among UCD, SEAOHUN and OHUNs teams have been done through zoom platform due to distance between primes and OHUNs. This platform has allowed for effective communication. After meetings, participants understood the overall vision, goals and direction for activities over the next 5 years under the OHW-NG Consortium, as well as understood the processes needed to work with the OHW-NG consortium and partners.

NEXT STEPS

THOHUN is closely coordinating with the OHW-NG Consortium and SEAOHUN teams in order to plan and adapt to the COVID-19 situation. THOHUN will continue to strive to implement approved and safe activities during the COVID-19 outbreak, aligned with the workplan, as well as beneficial to the Network communities.

The emergence and spread of the COVID-19 outbreak are driving the need to adapt utilizing virtual meeting platforms traditionally not used in the past. This has highlighted the need

for university faculties and health workers in governmental sectors to address the capacity needs for developing and applying advanced technology platforms in outbreak events.

BRM and AMR were identified as important topics to add into teaching curricular for THOHUN member Universities for student training and development of One Health workers. Engagement and collaboration of multiple departments, sectors and disciplines of Public Health, Veterinary Medicine and Environmental Science will be needed for integration.

VOHUN

VIETNAM ONE HEALTH UNIVERSITY NETWORK



OUR NETWORK



20 Participating Universities



15 Student One Health Clubs




22 Engaged Faculties




11 Planned Activities

HIGHLIGHTS

- Submitted all documents for OHW-NG Year 1 work-plan to Ministry of Health for approval
- Re-organized the executive board and NCO structure
-  One Health student clubs participated in activities to increase awareness and understanding of COVID-19



ACTIVITY UPDATES

- Attended OHW-NG Year 1 Workplanning Meeting with Secretariat and OHW-NG Global Consortium partners 12-13 November in Bangkok, Thailand
-  VN Activity 1.2.3 *Support student One Health clubs to innovate and participate in the open One Health Academy*: Activities were undertaken to increase understanding and awareness of the COVID-19 outbreak
- VN Activity 1.4.2 *One Health practice at OH-field-site in Nghe An*: Supported a training course for lecturers, local health and veterinary staff who will support and guide students to apply to the One Health concept OHCC in the field (this activity is ongoing)
- VN Activity 1.3.1 *Workshop on finalizing the teaching materials for training courses on applying One Health core competencies to develop the zoonotic disease prevention plan for health and veterinary staff*: Organized workshop to review the material for the training courses on applying One Health core competencies to develop a zoonotic disease prevention plan for health and veterinary fields (this activity is ongoing)
- VOHUN has re-structured the executive board and National Coordinating Office by increasing the members on the executive board and hiring three more full-time staff to support implementation of the VOHUN workplan.

NEXT STEPS

The COVID-19 outbreak has led to the delay of implementation of some planned activities. As a result, VOHUN has encouraged faculty and student to propose alternative activities to promote virtual sharing and learning around COVID-19 topics.

VOHUN plans to continue to encourage One Health Student Clubs to engage in activities to further understand the COVID-19 outbreak and response. The VOHUN National Coordinating Office will disseminate and share the OHW-NG COVID-19 ECHO series information to lecturers and students and encourage them to participate in the Virtual Community of

Practice. The goal is not only to gain knowledge about COVID-19 but also to help connect VOHUN with other country networks in the region as well as the AFROHUN network.

The COVID-19 outbreak will be used to develop an outbreak case study to be included in the short-term One Health training courses and One Health field site trainings for students. VOHUN also plans to expand the network to include participation of other medical, veterinary and environmental universities, as a part of their long-term goal.

An aerial photograph of a city, likely Los Angeles, taken from a high vantage point. The city is densely packed with buildings and roads, stretching out towards a range of hills in the distance. The sky is filled with soft, white clouds, and the overall lighting suggests a sunset or sunrise. A semi-transparent red filter is applied across the entire image, creating a warm, monochromatic effect. The text "SUCCESS STORIES" is overlaid on the right side of the image, with "SUCCESS" in white and "STORIES" in a yellow-to-orange gradient.

SUCCESS STORIES



SUCCESS STORY COVID-19 RESPONSE

Launch of the OHW-NG One Health Virtual Community of Practice on COVID-19 Pandemic Response Across 54 Countries

The spillover of a pathogenic coronavirus from animal sources to humans became apparent in fall 2019. The World Health Organization then declared COVID-19 as a global pandemic on March 11th, 2020. As of April 9th, COVID-19 infection had been confirmed in 184 countries, with more than 1.5 million confirmed infections, and nearly 100,000 people have died as a result of the infection. On March 23rd, 2020, the OHW-NG Consortium in collaboration with AFROHUN and SEAOHUN responded quickly to establish a One Health Virtual Community of Practice (VCoP) on COVID-19 by bringing together experts and trainees in 97 universities within the University networks, and numerous other beneficiaries across the Africa and Asia regions, using the ECHO platform for online engagement. More than 900 individuals from 54 countries participated in the initial ECHO online session on One Health COVID-19 updates that provided cutting edge information from experts at the U.S. Centers for Disease Control and Prevention, UC Davis, and the Infection Control Africa Network. This was the first of a One Health ECHO COVID-19 online series that continues through June 2020, with sessions occurring every two weeks and highlighting various topics such as community surveillance, diagnostic testing approaches, and gender and psychosocial issues.

This pandemic resides in a quintessential One Health framework, and its curtailment will require all the competencies and skills associated with One Health, including technical quantitative and qualitative approaches as well as working collaboratively across sectors. The pandemic has exhibited strong dimensions of gender disparities, cultural challenges, and ethical controversies linked to pandemic preparedness in diverse clinical and community settings. The causative agent of the COVID-19 pandemic, SARS-2-CoV coronavirus, is thought to have spilled over from wildlife to humans from either a bat reservoir or another as yet unidentified intermediate host such as civets or pangolins which are all traded for human consumption and medicinal purposes. The One Health ECHO series on COVID-19 has been exploring these issues and how a One Health approach to addressing and preventing such outbreaks can utilize surveillance of animal and human interactions, understanding the environments and behaviors that facilitated the spillover, and monitoring the subsequent global spread of the infection from a small local outbreak to a catastrophic global pandemic.



SUCCESS STORY INDOHUN

Bersatu Lawan COVID-19. Salam Tangguh, Salam Kemanusiaan
(Translation: United Against COVID-19)

Staff and faculty across the INDOHUN network have participated in education and communication around the COVID 19 outbreak in Indonesia. All OHCCs have been involved and contributed to raising awareness of the COVID-19 outbreak in their regions through safe public outreach including webinars and social media campaigns.



Professor Wiku, lead coordinator of the national expert team, getting ready to give a press conference regarding COVID-19 updates in Indonesia

Prof. Wiku Adisasmito, coordinator of INDOHUN, was appointed as the lead of the national expert team 'Gugus Tugas' Task Force. The task force focuses on improving the national response in the health sector, coordination among ministries/institutions and local governments, tracking the spread of COVID-19, and improving the country's ability to limit exposure and detect and respond to the COVID-19 outbreak. INDOHUN staff are also helping the government of Indonesia in the Disaster and Crisis Centre (BNPB) and have contributed to developing an integrated information system (Bersatu Lawan Covid19) for data collection and analysis associated with the COVID-19 outbreak in Indonesia. The goal is to integrate data on (i) case identification at Public Health Centres, (ii) case management at hospitals, (iii) case confirmation in laboratories, (iv) epidemic control through mobile phone applications, (v) community mobility monitoring, and (vi) results from screening by rapid tests.



SUCCESS STORY KENYA

Moi University SOHIC wins Student Projects for Health Award

Student One Health Innovation Clubs (SOHIC) were established through the AFROHUN network to promote experiential learning and to build skills in One Health approaches among students across African universities. SOHICs are comprised of students from multiple disciplines who work together in teams to lead activities, such as debates on critical current health topics, community outreach activities, global health case competitions, and training workshops. One Health concepts and approaches are applied in each of the activities. The Moi University SOHIC, which was initiated in 2015, participated in a competition for the 2020 Student Projects For Health (SPFH) sponsored by the Educational Commission for Foreign Medical Graduates/Foundation for Advancement of International Medical Education and Research. The Moi University SOHIC submitted a winning entry for the competition highlighting how the One Health approach has been successful in SOHIC activities, including health education, community awareness campaigns, global health case competitions, and community engagement and research at the One Health demonstration sites. Mr. Simon Peter Oteba Orapidi, a student representative of the SOHIC, will be sponsored to participate in The Network: Towards Unity for Health (TUFH) annual conference in Mexico City in September 2020.



SUCCESS STORY MYOHUN

“One Health, we are United as One, we shall persevere”

For public health physicians, a true test and calling to serve their local communities emerged as part of the COVID-19 outbreak. As the number of COVID-19 cases steadily increased in Malaysia, the MyOHUN team recognized the need to help prepare a local hospital in the community (Hospital Canselor Tuanku Mukhriz (HCTM)) for the likely influx of cases. Subsequently, the Malaysian government designated all teaching hospitals in Kuala Lumpur as referral hospitals to support treatment for the increasing COVID-19 caseload in the country. With the support of the Hospital Director, MyOHUN helped set up a Crisis Preparedness and Response Center (CPRC) in HCTM and contributed to development of a communication and training plan for the District Health Office and local authorities such as the Kuala Lumpur City Council. On 20th March, 2020, HCTM received the first COVID-19 patient, and the hospital staff as well as community benefited from the recently established response center and training plan.

The capability and success of the MyOHUN team in helping the community to prepare for COVID-19 response activities was based on their previous experiences that involved organizing and executing multiple table-top simulations and trainings on disease outbreak preparedness, resulting in improvements in One Health competencies for team members. The skills acquired were critically important for communication and collaboration in the face of an emerging threat, in this case COVID-19. The team utilized their previous training to help address the fear and apprehension among the front line workers and ancillary staff at HCTM that later treated COVID-19 positive cases, and they continued to provide informational updates as the situation evolved. These efforts have improved the hospital and staff's ability to safely and effectively perform their jobs and provide the best medical services possible.



SUCCESS STORY THOHUN

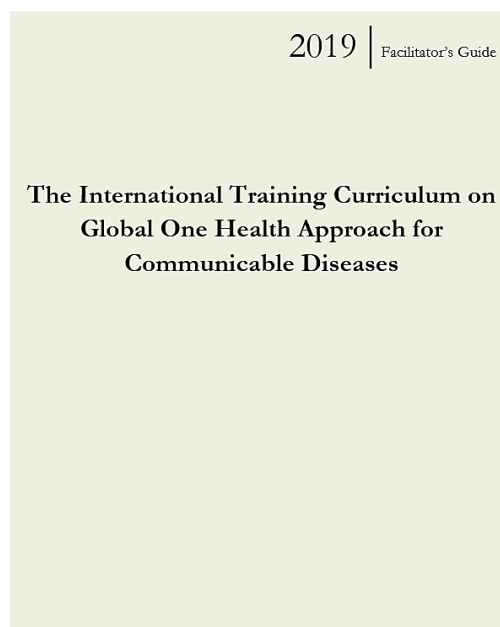
THOHUN'S Role in Developing a Global Health International Course Under the GHSA for the Ministry of Public Health, Thailand

A collaborative activity, THOHUN has partnered with other organizations to build the capacity of the One Health workforce

Since October 2019, the THOHUN network has been recognized as a leader in course development and assists the International Disease Control Academy, Office of International Cooperation, Department of Disease Control, Thai MOPH in developing training materials for “The International Training Curriculum on Global One Health Approach for Communicable Diseases”. Aligned with the Global Health Security Agenda (GHSA), this course aims to equip in-service middle-level administrators and professionals from the health sector in Southeast Asia with knowledge on global emerging infectious and zoonotic diseases, social science, health economics, epidemiology and skills for application of epidemiologic tools, risk analysis, assessment and communication. The course also enables participants to maximize information technology for health management through an active project-based learning platform. THOHUN is able to utilize their expertise to ensure that course modules incorporate a One Health approach and strategy.

As a result of changing activities due to the COVID-19 pandemic, the THOHUN network will now assist the IDCA to transform the course to an online format to ensure continued engagement and training of in-service professionals.

Facilitator's guide: The International Training Curriculum on Global One Health Approach for Communicable Diseases



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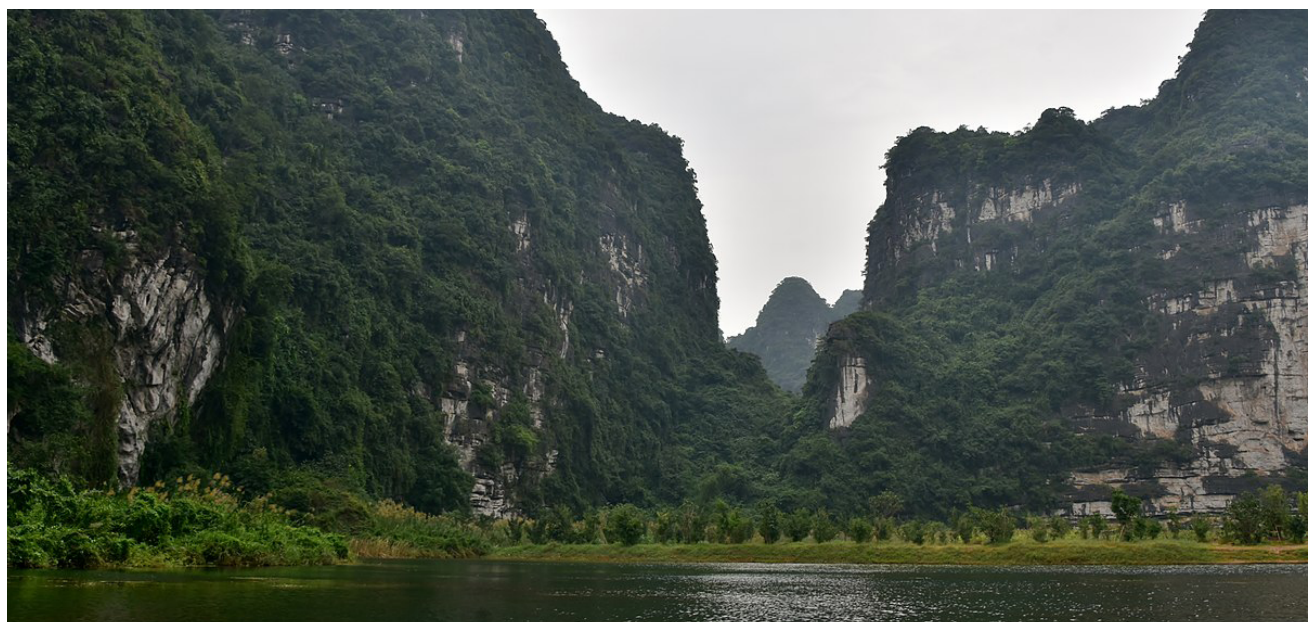


SUCCESS STORY UGANDA

Uganda Extends its Reach on Infectious Disease Management Training Through E-Learning

Infectious disease outbreaks, such as Ebola virus disease (EVD), Crimean-Congo hemorrhagic fever (CCHF), and COVID-19 have devastating impacts on health and human livelihoods. Strengthening capacity for more proactive approaches to disease prevention, including early detection and response is critically needed in our health systems. In 2016, AFROHUN Uganda (formerly OHCEA Uganda) designed a two-week short course targeting undergraduate and graduate students from various disciplines including health, veterinary, social sciences, and business. The course covers six core modules (leadership in infectious disease management, gender in risk management, health policy analysis, bio-risk management, outbreak investigation and antimicrobial resistance). The course prepares students for a 2-4 week field immersion component in which students apply their knowledge and skills through partnering with local communities to identify and prioritize health issues in the community and to design and implement interventions to address these challenges using One Health approaches.

In response to the increasing need for virtual learning platforms, AFROHUN Uganda is transforming the course into an online format. The online format has received buy-in by the college's Principal and his team including the University E-learning manager. Successful transformation will involve piloting the course at Makerere University under the Uganda One Health Institute and thereafter transfer of the modules to MUST e- Learning. This approach will enable several students to benefit from the training with minimal cost.



SUCCESS STORY VOHUN

One Health Students Safely Engaging Communities to Raise Awareness of Risk During COVID-19

The rapid global spread of COVID-19 has affected every community around the globe. These communities are concerned about how they can protect themselves from the virus and as a response to this, the VOHUN student network began engagement activities to raise awareness in the local communities.

In March 2020, the One Health Student Club at Hanoi Medical University (HOH) with the support from the Vietnam One Health University Network National Coordinating Office (VOHUN NCO) held an online community meeting on Facebook to provide information about COVID-19 and host a Q&A session on the club's homepage. With support from the Institute of Preventive Medicine and Public Health (IPMPH) and the VOHUN NCO, the students produced a video clip on guidance for how to prevent exposure to COVID-19. The club also organized a Q&A for audiences to send in their questions related to the COVID-19 virus and COVID-19 outbreak. Answers were provided by the club with support from IPMPH lecturers and Public Health experts and the club made them available on their homepage. Questions included: How can medical students protect themselves while learning at hospital? Does Chloroquine use treat the COVID-19 virus?

Considering the zoonotic origins of COVID-19, and the complexity of the resources needed to combat the virus, it has become critical to involve various health sectors applying a One Health approach to outbreak response efforts. With support from VOHUN, the One Health Student Clubs using their One Health knowledge have helped to raise awareness around COVID 19 for other students and local communities in communities. As result, through those activities, the students shared their passion to other students in different faculties, each of them an ambassador to provide up-to-date accurate COVID-19 information to others.



SUCCESS STORY AFROHUN

Country Managers Strengthen Coordination and Opportunities for Extending Strategic Partnerships Across the Africa One Health University Network

OHCEA (One Health Central and East Africa) was recently rebranded to AFROHUN (Africa One Health University Network) to illustrate the network's vision and respond to demands from stakeholders to expand its footprint to improve One Health capacities across the continent. The shift has not only seen the network spread out from regional to continental-level coverage, but also transition from institutional to national and multi-level operations. To this end, the Network is strategically repositioning itself to extend its role beyond universities to engage other players, including policy makers, private sector businesses, civil society, and communities. The Network is also working toward a more proactive approach for addressing emerging needs and designing adaptive programs, diversifying funding sources, and affirming the network's niche.

This new strategic direction could not be realized with the then existing operational structure that was dependent on part-time focal persons positioned at the institutional level. AFROHUN therefore launched a new operational structure to enhance management and coordination of activities across the network. In each of the AFROHUN member countries, full-time, newly appointed Country Managers and Country Administrators work closely with the Network of professionals based at AFROHUN partner Universities as well as government and other private and public stakeholders to oversee activities at the country level. AFROHUN Country Managers are responsible for managing and coordinating activities with universities and government and private partners; providing leadership on strategic planning, partner engagement, and priority setting for capacity strengthening; and communicating outcomes and impacts of the Network's activities. The new Country Managers bring a wealth of expertise and experience in human and veterinary medicine, epidemiology, environmental sciences, and One Health to the AFROHUN country teams. Their leadership will strengthen the Network's coordination across diverse partners, including the government and private sectors; build on the organizational capacity of the country teams; and extend the reach of the network's impacts in the member countries.



SUCCESS STORY AFROHUN

AFROHUN's Role as a Leader in COVID-19 Knowledge Exchange

The COVID-19 pandemic poses major threats to Africa's health, economic, and security sectors. Successful mitigation and suppression efforts will require a comprehensive response that is built on clear communication, transparency, and public trust. As a leader in One Health, AFROHUN is uniquely positioned to serve as credible sources of information and to provide access to a network of professionals with expertise and experience in outbreak response. To this end, AFROHUN is partnering with the academic, NGO, and government sectors to raise awareness on COVID-19 in member countries across the Network.

In collaboration with the OHW-NG Global Team, AFROHUN has established a One Health Virtual Community of Practice (VCoP) on COVID-19 by bringing together a network of professionals and students from across Africa, using the ECHO platform for virtual engagement. More than 400 individuals tuned in for the first session of the series, which are held every two weeks to provide a platform for professionals to exchange knowledge and share lessons on COVID-19 topics ranging from the epidemiology of the causative agent (SARS-CoV-2) and approaches to community surveillance and diagnostic testing to gender and psychosocial issues. AFROHUN has also produced a bi-monthly e-newsletter for its member countries to share updates on the COVID-19 outbreak and response efforts in each country along with activities conducted by the network to assist in the response. The e-newsletter is shared with a wide range of stakeholders.

AFROHUN is also providing technical assistance to COVID-19 national task forces on community engagement and risk communication. For instance, the AFROHUN Uganda team has been requested by the task force to contribute to response efforts in Uganda, including advising on case definitions utilized for COVID-19 surveillance and participating in upcoming awareness campaigns targeting high-risk communities across the country. In addition, the AFROHUN Ethiopia team has been contributing to radio and TV programs as well as community outreach visits to enhance awareness and address misconceptions on COVID-19. AFROHUN Kenya participated in a planning meeting for capacity building of frontline health workers involved in the COVID-19 response activities. The meeting highlighted areas where AFROHUN Kenya could take a lead role, including facilitating risk communication and disease surveillance sessions. In Tanzania, the AFROHUN team has provided technical support on the design of several prevention strategies, including mass use of masks. In Senegal, the AFROHUN team was featured in a documentary that aired on local television explaining the risk of zoonotic disease transmission at the human-animal-environment interface, bringing One Health concepts to the fore. With support from AFROHUN, the Student One Health Innovation Clubs are also creating educational materials for COVID-19 risk communication in support of the government's response efforts.

An aerial photograph of a city at sunset, with a strong red color overlay. The sun is low on the horizon, casting a warm glow over the city and the surrounding hills. The city is densely packed with buildings, and the hills are visible in the background. The sky is filled with clouds, and the overall atmosphere is serene and dramatic.

APPENDIX

APPENDIX

KNOWLEDGE MANAGEMENT & LEARNING PLAN UPDATE

The Global Objective sections of this One Health Workforce – Next Generation Semi-Annual Report above detail progress and next steps related to the Knowledge Management and Learning Plan. Overall, the Networks are now starting to curate, update, and implement training and empowerment activities using a new framework that is designed to be Calibrated, Lifelong, Adaptive, Scalable, and Sustainable (One Health CLASS). The One Health CLASS framework is characterized by progressive learning activities tailored for trainees at various stages of academic and professional development. Both AFROHUN and SEAOHUN have previously implemented formal and informal training activities beginning with pre-service undergraduate student groups to One Health concentrations embedded in graduate degrees, such as the Master of Public Health, and workshops for continuing professional development for in-service personnel. We are still supporting the implementation of ongoing impactful training activities, and are working to build in deliberate “calibration” on a tiered scale of proficiencies. Closely linked to the learning plan tasks is the knowledge management domain that includes managing training content as well as upgrading operational management systems that are important to standardize for the Secretariats internal functioning and programmatic strengthening. In the first 6 months of the project, knowledge management tasks have focused on the Phase I: Situational Analysis that is further described in the Year 1 Workplan Appendix C.

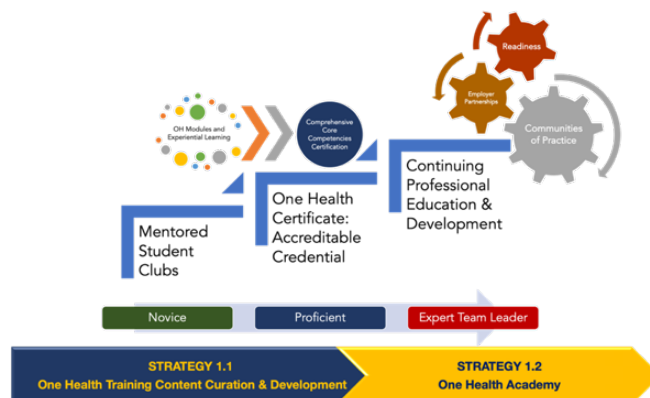


FIGURE 1: Calibration of One Health training credentials to certify different levels of proficiency underpins OHW-NG's first year strategy for training and empowerment.

GENDER ACTION PLAN UPDATE

Beyond the initial in-person project kickoff meetings and associated discussions in Bangkok, Thailand, and Kampala, Uganda, the more recent zoom meetings for SEAOHUN and AFROHUN implementation planning have involved discussions of strategies and priority action areas in Year 1 related to the USAID Gender Access Framework. The two priority areas for OHW-NG are to 1) create an understanding of gender roles and power relations across the project, and 2) help to promote gender-relevant entry points and policies as well as identifying opportunities for enhancing gender equality in OHW-NG activities. In the first 6 months of the OHW-NG Project, the following activities have launched:

- Identifying gender gaps and working to mainstream gender considerations in all applicable activities, including faculty development, curriculum design, teaching and learning methods, community interventions, field-based programs, and stakeholder engagements
- Documenting, disseminating and increasing visibility of gender related learning, achievements, and outcomes
- Developing a gender policy framework across the Networks that can provide the mandate, political support, and resources to ensure integration of gender considerations in all program activities

- » **ACCESS TO ASSETS:** how gender relations affect access to resources necessary for a person to be a productive member of society and includes tangible assets (land, capital, and tools) and intangible assets (knowledge, education, and information).
- » **BELIEFS AND PERCEPTIONS:** draws from cultural belief systems or norms about what it means to be a man or woman in a specific society. These beliefs affect men and women's behavior, dress, participation, and decision-making capacity. They also facilitate or limit men and women's access to education, services, and economic opportunities.
- » **PRACTICES AND PARTICIPATION:** The norms that influence men and women's behavior also structure the type of activities they engage in and their roles and responsibilities. This dimension of the framework captures information on men and women's different roles, the timing and place where their activities occur, their capacity to participate in different types of economic, political, and social activities, and their decision-making.
- » **INSTITUTIONS, LAWS, AND POLICIES:** This dimension focuses on information about men and women's different formal and informal rights, and how they are dissimilarly affected by policies and rules governing institutions, including the health system.
- » **POWER** pervades all domains and informs who has, can acquire, and can expend assets and decisions over one's body and children. It determines if an individual can take advantage of opportunities, can exercise rights, move about and associate with others, enter into legal contracts, and run for and hold office. Power also determines the way men and women are treated by different types of institutions, policies, and laws. Providers' discriminatory attitudes, for instance, reinforce and deepen inequalities. Providers, particularly lower-level female providers, may also experience discrimination and mistreatment in their workplaces as a result of gendered hierarchies.

FIGURE 2: USAID Gender analysis framework

APPENDIX TRANSITION & BUSINESS PLAN



(Photo Credit: MyOHUN UKM Team)

The OHW-NG transition plan details the approach for shifting funding for AFROHUN and SEAOHUN from a US-based prime to direct awards from USAID to the Secretariats in or after Year 3, including an early-warning system for identifying compliance and performance issues, tracking progress and trouble-shooting. As a part of this, the OHW-NG Global Team is assisting the Secretariat in its development of a business plan by the end of

TRANSITION PLAN UPDATES

The Transition Plan Benchmarking and Planning phase has been an extremely interactive period between the global team and both Secretariats, during which trust and rapport were built and a commitment to shared organizational development goals and transition plan milestones was established.

- OHW-NG successfully established consensus with the Secretariats on a transition plan for the five year OHW-NG period, with four key phases and multiple milestones. This transition was submitted as an Appendix to the OHW-NG Year 1 workplan, and was approved by USAID in January, 2020.
- The global team launched Phase 1 of the transition plan, “Benchmarking and Planning” and established a transition plan monitoring team that will meet quarterly.
- Transition plan milestones:
 - o Implementation of the NUPAS and OCA baseline assessments with both Secretariats (AFROHUN completed these steps and SEAOHUN will complete them in May 2020)
 - o Achievement of UC-Davis subaward recipient status by both Secretariats

BUSINESS PLAN UPDATES

The global team and Secretariats organized virtual Business Planning Workshops for Organizational Sustainability for both networks, with the end goal of developing business plans for each Network by the end of Q3. These virtual workshops established priorities for capacity-building in Year 1 and beyond, which will set the scene for the rescheduled Business Planning Workshops (planned presently for Q4).

SWOT ANALYSIS OUTCOMES

The SWOT analysis included OHW-NG Global Team interviews with Secretariat included global team interviews with Secretariat staff and Board members and focus group discussions with country representatives, to probe perspectives on strengths, weaknesses, opportunities, and threats to the organizational sustainability of each network. The working group engaged in approximately 30 interviews and focus group discussions to complete this step. Next, the OHW-NG Global Team conducted a NUPAS assessment, through desk review and “virtual site visits” with Secretariat staff to ascertain the organizational competency of each Secretariat in the key areas deemed critical to USAID for direct award. Lastly, each Secretariat assessed themselves on the OCA tool (SEAOHUN is in progress) and identified priority areas of organizational capacity-building for Years 1 and beyond. Each of these tools was discussed in virtual workshops, in which priorities for Consortium-wide activities were established for Y1.

Through the SWOT analysis, the OHW-NG Global Team and Secretariats were able to systematically collect perspectives of their internal stakeholders and discuss their value proposition and strategic direction. The NUPAS assessment allowed OHW-NG to facilitate agreement with each Secretariat on the priority areas of organizational capacity that must be remediated at each Secretariat for a successful Year 3 transition to USAID direct funding. With the OCA tool, OHW-NG was able to identify the priority areas of organizational capacity-building for which each Secretariat needs to improve performance. Action steps to build these priority capacity areas in Year 1 will be produced by the end of April 2020 (AFROHUN) and May 2020 (SEAOHUN).

NEXT STEPS

The most important next step is to progress towards functional business plans for each Secretariat in Year 1. While the plan was to host in-person workshops in Quarter 4, the ongoing uncertainty caused by the COVID-19 pandemic may force OHW-NG to convert business planning to a virtual process. In June 2020, OHW-NG will shift to the second stage of the transition plan: “Capacity-building for Organizational Performance.” The OHW-NG Global Team will also convene the transition plan monitoring team in Quarters 3 and 4 to review progress toward remaining Year 1 milestones.

APPENDIX

MONITORING EVALUATION & LEARNING

The OHW-NG MEL plan is designed for performance monitoring and to support decision making. In addition, it allows the OHW-NG Global Team to work with AFROHUN and SEAOHUN partners to develop methods for assessing the overall impact of OHW-NG investments on national and global health security and workforce performance; and for measuring improvements in workforce capabilities for disease prevention, detection, and response.

ACTIVITY UPDATES

- To help measure progress towards achieving the goals of the OHW-NG project, a MEL framework and workplan was developed through a participatory process involving all OHW-NG Consortium and Network Partners.
- 21 indicators were identified to capture consistent metrics that tell the collective story of the OHW-NG project, capture partner impact, and illustrate the project's global contributions over time. These indicators include 4 Project-Outcome level indicators, 9 Objective output-level indicators, 5 gender indicators and 3 USAID Higher Education indicators. These indicators align with key global initiatives, such as the Joint External Evaluation (JEE) 2.0 and Global Health Security Agenda (GHSA).
- A baseline data collection activity was done in coordination with the Y1 Semi-Annual report.
- Baseline data collection identified 64 existing Student One Health Clubs within the OHW-NG University Networks with 6,461 members and 116 faculty mentors

OHW-NG MEL Framework

GOAL	Empower OH university networks to sustainably develop and deliver world-leading model programs for equipping professionals with transdisciplinary skills to address complex global health issues.		
PROJECT-LEVEL OUTCOME INDICATORS	PO 1 : Evidence of increased assessment of proficiency in OH competencies PO 2: Increased placement of One Health graduates in targeted sectors PO 3: Utilization of KMS data to inform decision-making (qualitative) PO 4: Total # of national OH coordinating bodies that refine OHW strategies as a result of engagement with Network Universities		
	Objective 1: Training and Empowerment	Objective 2: Assessment Tracking	Objective 3: Organizational Sustainability
OUTPUT-LEVEL INDICATORS	1.1: Total # of existing and new OH training content and delivery modes, curated, updated and implemented 1.2: Total # of individuals trained 1.3: Total # of SOHICs established and continuing 1.4: Total # of products resulting from small grants awarded	2.1: % of Universities using toolkit to strategically integrate One Health competency assessments into activities 2.2: # of countries in which OHUN universities participate in national-level OHW processes	3.1: Evidence of measurable improvement of key capacities for organizational sustainability 3.2: # of direct funding awards received by the Networks 3.3: # of new and diverse partnerships established for the networks
LONG-TERM IMPACT	a) Increased proficiency in OH competencies for pre-service & in-service professionals b) A well-trained & technically proficient OH workforce pipeline c) Active & engaged OH networks that can be activated during health emergencies	a) Improved quality & increased use of workforce & assessment data for decision-making b) Increased placement of OH graduates in targeted sectors c) Improved multisectoral workforce strategies within participating countries	a) Direct recipient of external donor funding b) New & diverse funding partners & enhanced ability to identify & develop partnerships c) Model identified for creating ongoing network revenue for self-reliance
GENDER INDICATORS	G1: # of gender policies developed and available G2: # of activities that included a gender component and/or gender was prioritized (prioritization workshops, activities, trainings implemented and includes qualitative examples) G3: Evidence of changes made improving sex balance and impact of sex balance (quantitative and qualitative examples) G4: # of identified active gender champions G5: # of gender experts identified at the Network level		
USAID HIGHER EDUCATION INDICATORS	ES.1-6: # of educators who complete professional development activities with USG assistance ES.1-46: % of individuals who transition to further education or training following participation in USG-assisted programs ES.2-1: # of host country higher education institutions receiving capacity development support with USG assistance		

NEXT STEPS

The MEL framework and indicators will be continuously reviewed based on data collection and ongoing OHW-NG Consortium discussions. They will be updated dynamically to retain compatibility with project, funder, and global health community needs. The next major step is to convene the MEL working group to discuss both the baseline data as well as revise the MEL Performance Indicator Reference Sheets (PIRS) based on discussions with USAID, the Networks and Global Consortium partners. A product of this session will be revised indicators and PIRS manuscript.

APPENDIX

CHALLENGES & PROPOSED SOLUTIONS

OVERCOMING CHALLENGES DURING THE COVID-19 PANDEMIC

Concurrent with the OHW-NG Year 1 Work Plan being developed and approved, the COVID-19 pandemic rapidly spread around the globe, threatening planned project activities as country borders closed and communities had to reset their expectations for daily routines in order to protect public health. However, all OHW-NG teams responded admirably, with Global, Secretariat and Country Networks moving to remote work formats that created some new challenges such as variability in internet access. To reduce health risks and ensure safety of our teams and participants while following governmental stay-at-home orders, the OHW-NG Consortium quickly pivoted to utilize and optimize virtual communication options. For example, the business and strategic planning workshops with both AFROHUN and SEAOHUN were moved from in-person to virtual meetings utilizing Zoom. Similarly, the OHW-NG Consortium responded to the emerging need for accurate and real-time information to be shared quickly around the world as COVID-19 progressed, by launching a Virtual Community of Practice (VCoP) focused on COVID-19 One Health topics, a previously planned training activity format that was shifted to address this new hot topic. Overall, the team has had great success in continuing activities utilizing virtual formats, including the One Health ECHO VCoP which brings together a community of One Health leaders around the world to discuss and share real-time updates on COVID-19. The Consortium continues to investigate options to increase virtual connection capacity of the Network partners. In addition, the Consortium is targeting activities with the Student One Health Clubs, as this is a particular community that may struggle with engagement during university closures.

We commend the Secretariat, Network partners and the Global Team for the consistent effort to keep activities going despite the difficulties associated with the newly formed partnerships, and a global pandemic. During this uncertain time, our Consortium has proven their ability to adapt to the current situation while making progress towards the long-term goals of the project.

BUILDING A COLLABORATIVE TEAM ACROSS THE OHW-NG CONSORTIUM

While the OHW-NG is a new project with a new implementing Global Team, the One Health University Networks (AFROHUN and SEAOHUN) have been established and functioning over the past decade. Understanding that strong partnerships are built on trust, consistent communication, and often over time, it was critical to project success that the OHW-NG move quickly to engage the Networks to align work plans and understand the unique dynamic present in each region. The OHW-NG Consortium has intentionally built in periodic face-to-face regional meetings in Southeast Asia and Africa to engage in workplan development and project management strategies. Despite competing timelines for project success, the OHW-NG Global Team worked hand in hand with the regional One Health University Networks to build a collaborative foundation built on trust and transparency. To this end, the OHW-NG Consortium held a 3-day kickoff meeting in fall 2019 to launch the project in each region and began workplanning with both AFROHUN and SEAOHUN respectively (refer to Program Management and Communications section of this report for more details). More recently, for the first time, AFROHUN and SEAOHUN were empowered to manage new business practices such as subawards directly to member countries in their region, as part of building capacity on the journey to sustainability and self-reliance. These small but important steps are creating a foundation on which new partnerships can solidify.

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