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AFRICA ONE HEALTH UNIVERSITY NETWORK (AFROHUN)

SOHIC member during the rabies sensitization campaign in Kindele, Kinshasa. Photo source: AFROHUN DRC

ONE HEALTH WORKFORCE - NEXT
GENERATION (OHW-NG)

YEAR 3

ANNUAL REPORT

2021-2022

AFROHUN
Advancing One Health

AFROHUN NETWORK

- Secretariat
- Cameroon
- Côte d'Ivoire
- DRC (Congo)
- Ethiopia
- Kenya
- Rwanda
- Senegal
- Tanzania
- Uganda

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CONTENT

This report represents a collaborative effort in which all AFROHUN countries provided content. This publication was developed and contributed by AFROHUN, as part of the One Health Workforce - Next Generation (OHW-NG) Global Consortium.

SPECIAL THANKS

In particular, we would like to extend special thanks to the Global Team and AFROHUN member institutions as shown in the map below.



CAMEROON

1. Université des Montagnes
2. University of Buea
3. University of Ngaoundéré

DR CONGO

4. University of Kinshasa
5. University of Lubumbashi

ETHIOPIA

6. Jimma University
7. University of Addis Ababa
8. Mekelle University

KENYA

9. University of Nairobi
10. Moi University

RWANDA

11. University of Rwanda
12. University of Global Health Equity

SENEGAL

13. Université de Cheikh Anta Diop

TANZANIA

14. Muhimbili University of Health & Allied Sciences
15. Sokoine Univ. of Agriculture

UGANDA

16. Mbarara University of Science & Technology
17. Makerere University

CÔTE-D'IVOIRE

18. Université Félix Houphouët-Boigny

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 - SUCCESS STORY

ACRONYMS AND ABBREVIATIONS

Africa One Health University Network	AFROHUN
Antimicrobial Resistance	AMR
American Rescue Plan Act	ARPA
Breakthrough Action	BA
Brucella Study for Tanzania and Rwanda	BRU_STAR
Catholic University of Central Africa	UCAC
Chief Accounting Officer	CAO
Continuing Professional Development	CPD
Community Based Education Research and Service	COBERS
Commission of University Education	CUE
Democratic Republic of Congo	DRC
Deputy Vice Chancellor	DVC
Emergency Centre for Transboundary Animal Diseases	ECTAD
Ethiopian Student One Health Innovations Club	ESOHIC
European Union	EU
Extension for Community Healthcare Outcomes	ECHO
Global Alliance for Rabies Control	GARC
Global Health Case Competition	GHCC
Global Health Security Agenda	GHSA
Groupe Technique de Travail	GTT
Deutsche Gesellschaft für Internationale Zusammenarbeit	GIZ
Farming Systems Kenya	FSK
Field Experiential Learning	FEL
Focused Group Discussion	FGD
Food and Agriculture Organization	FAO
Human Resource	HR
Infectious Diseases in Global Health	IDGH
Infectious Disease Management	IDM
Integrated Disease Research Collaboration	IDRC
Information, Education and Communication	IEC
Information Technology	IT
International Health Regulations	IHR
Institut de formation des Agents de Santé	INFAS
Institut National de Formation Professionnelle Agricole	INFPA

Institute of Primate Research	IPR
Jaramogi Oginga Odinga University of Science and Technology	JOOUST
Joint External Evaluation	JEE
Kinshasa School of Public Health	KSPH
Knowledge Management	KM
Kenya Red Cross Society	KRCS
Localizing Global Health Security	LGHS
Master of Public Health	MPH
Mbarara University of Science and Technology	MUST
Medicines, Technologies and Pharmaceutical Services	MTAPS
Memorandum of Understanding	MOU
Mentored Experiential Learning and Training	MELT
Ministry of Health	MoH
Ministry of Livestock and Fisheries	MOLF
Muhimbili University of Health and Allied Sciences	MUHAS
National Council for Technical Education	NACTE
National Health Security Action Plan	PANSS
National Technical Awards	NTA
Non-Governmental Organization	NGO
National One Health Platform	NOHP
National Institute of Health	NIH
Non-US Organization Pre-Award Survey	NUPAS
One Health	OH
One Health Monitoring Tool	OHMT
One Health Workforce Academy	OHWA
One Health Workforce Next Generation Project	OHW-NG
One Planet Education - Transdisciplinary Initiative	I HOPE-TDI
Partnering for Health professional training in African universities	P4PHTII
Prime Minister's Office	PMO
Protestant University of Central Africa	UPAC
National Program for Control of Emerging and Re-emerging Zoonosis	PNLZER
President's Office Regional Administration and Local Government	PO-RALG
Research and Ethics	R&E
Research Institute of Agriculture and Development	IRAD
Research Triangle International	RTI
Request for Proposals	RFA

Risk Communication and Community Engagement	RCCE
School of Specialization in Livestock and Meat Trades of Bingerville	ESEMVB
Service National de l'Education et de l'Information pour la Santé	SNEIPS
State Party Self-Assessment Annual Report	e-SPAR
Students One Health Innovations Club	SOHIC
Student Service and Learning Model	SSLM
Sokoine University of Agriculture	SUA
Technical Advisory Committee	TAC
Technical Working Group	TWG
Training in Tropical Diseases	TDR
Training of Trainers	TOT
Transition Award	TA
Uganda Christian University	UCU
Unité de formation et de Recherche des Sciences Médicales	UFR SM
Université Cheikh Anta Diop	UCAD
Université des Montagnes	UdM
Université Félix Houphouët-Boigny	UFHB
Université Nandjui Abrougoua	UNA
University of Buea	UB
University of Global Health Equity	UGHE
University of Kinshasa	UNIKIN
University of Lubumbashi	UNILU
University of Ngaoundere	UN
University of Rwanda	UR
University of Yaounde I	UYI
United States Agency for International Development	USAID
Veterinary Council of Tanzania	VCT
Virtual Community of Practice	vCOP
World Health Organization	WHO



Our Vision

A global leader in One Health approaches to sustainable health, for healthy, productive animals, prosperous communities and productive ecosystems.



Our Mission

To drive transformational change for continuous improvement of health and well-being of humans, animals, and environment through OH principles and approach to research, training and community service.

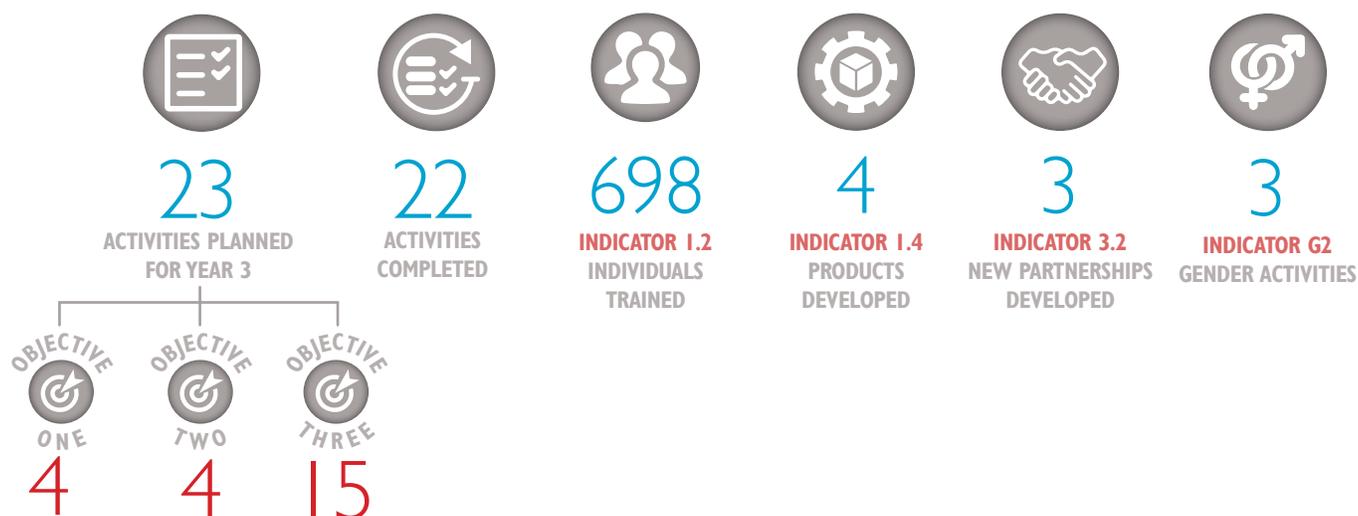


Our Core Values

Innovation, Multidisciplinary teamwork, Mutuality and Respect, Strategic Partnerships, Inclusiveness, Collective decision-making, Accountability and Transparency.

AFROHUN Secretariat

Dashboard Overview of Year 3



HIGHLIGHTS

- AFROHUN finalized the 10-year AFROHUN One Health Research Agenda. (September 2022).
- Conducted 11 Extension for Community Healthcare Outcomes (ECHO) sessions on e-learning that benefited 406 participants from various AFROHUN member institutions (October 2021 - August 2022).
- Engaged 245 students and alumni in a two-day symposium where they shared experiences on One Health Workforce Development. (July 2022).
- AFROHUN gained capacity in alumni tracking and had alumni survey efforts transitioned to AFROHUN from UC Davis (November 2021 - May 2022).
- AFROHUN underwent a Non - US Organization Pre-Award Survey (NUPAS) Plus assessment ahead of the USAID assessment to determine suitability of the network for a prime award (October 2021 and December 2021).
- Staff at the regional and country secretariats benefitted from a project management training conducted through six monthly virtual sessions (November 2021 and February 2022).
- Held partnership and grant writing meetings with both funding and implementing partners (January - September 2022).
- AFROHUN Secretariat and country teams attended the SEAOHUN Conference in Bangkok, Thailand (September 2022).

ACTIVITIES



OBJECTIVE I

Training and Empowerment

The Secretariat supported a core team of 14 Thematic Leads, under the leadership of the AFROHUN Academy Research and Ethics Technical Working Group (TWG), to draft the 10-year AFROHUN research agenda (AFR Activity 1.2.5). The leads identified regional and country-level One Health (OH) research priorities, based on a desk review and key informant interviews. A consensus was reached on seven thematic and four cross cutting OH research priority research areas, based on the findings from institutional and national research agendas which guided the team's discussions, evaluation and ranking, for inclusion in the AFROHUN research agenda. The priority thematic areas are; zoonotic diseases, antimicrobial resistance, food safety and security, environmental health, neglected tropical diseases (NTDs), climate change and vector-borne diseases. The cross cutting issues are gender equity and equality, community engagement, collaboration and communication. The team also developed a framework to guide the network's research portfolio and tackle potential strategic and operational issues. Ultimately, the agenda will help coordinate research efforts to inform policy and develop evidence-based interventions both at country and regional level.

During the same period, the R&E TWG presented its road map to the Academy Technical Advisory Committee (TAC) with a request to support kick-start activities that would operationalise the road map. The AFROHUN Secretariat

initiated the accreditation process of the Academy in Uganda. In August 2022, the Secretariat and the One Health Workforce Next Generation (OHW-NG) project consortium brainstormed on the AFROHUN One Health Academy strategic direction and business plan models. The Secretariat is designing a Mentored Experiential Learning and Training (MELT) Program as a flagship program for the Academy that will contribute to addressing the One Health Workforce challenges on the African continent and beyond. The overall goal of the MELT program is to develop and strengthen a local OH workforce with the capacity to prepare, prevent, detect, and respond to infectious disease outbreaks and complex health challenges in the African region and beyond.

Additionally, up to eleven ECHO e-learning sessions were held this year attracting approximately 406 participants from various AFROHUN member institutions (AFR Activity 1.2.4). These were 90-minute interactive sessions that covered different aspects of e-learning with an aim of enhancing the knowledge and skills of faculty amidst the increasing demand for e-learning emerging from the COVID-19 pandemic. The sessions included a case study and didactic presentation from local experts as well as opportunities for attendees to ask questions and use interactive learning management tools. Gender balance was prioritized during selection of experts. A program evaluation for faculty, students, and institutional leads

was initiated to inform the scope and content of the subsequent virtual Communities of Practice (vCOP) sessions.

AFROHUN onboarded two fellows under the AFROHUN Regional One Health Workforce Fellowship program (AFR Activity 1.2.6). The fellowship run for four months beginning in May 2022. One fellow was based at the AFROHUN Regional Secretariat and the other at AFROHUN Cote D'Ivoire. The 2022 cohort of the four-month fellowship program more specifically focused on developing and applying critical leadership and technical skills needed to successfully manage and implement OH programs.

Lastly, AFROHUN organized a virtual two-day symposium that featured student presentations on work arising out of their activities in the field and other training programs, skills building sessions, panel discussions and other events (AFR Activity 1.4.2). Over 245 students, alumni and faculty attended the event. This symposium provided a unique platform for students and alumni to share what they had learned and how they had been changed by these experiences.



OBJECTIVE 2

Developing Knowledge Management System

The draft Knowledge Management (KM) Strategy was disseminated (AFR Activity 2.1.7) in a series of workshops with an emphasis on the roles and responsibilities of stakeholders in implementation of the strategy. Each country developed a KM action plan. Presentations were also made to the AFROHUN Board and the AFROHUN Leadership Summit, both bodies committed support to implementation of the strategy and improved strategic use of AFROHUN knowledge.

Tracking One Health Alumni

After piloting alumni tracking in Year 2, the alumni tracking survey was scaled up to Tanzania, Ethiopia, Cameroon, Senegal, DRC, and Uganda (AFR Activity 2.2.3). Over 400 alumni responded to the survey and the responses provided useful insights into future engagement strategies.

National One Health Coordination Bodies

Similarly, the OH Coordinating bodies assessment, initiated in Year 2, was completed during Year 3 (AFR Activity 2.3.4). Virtual Focus Group Discussions (FGD) in Cameroon, Tanzania, Rwanda, Uganda, Ethiopia, and Kenya were conducted with selected survey participants drawn from universities, professional bodies government ministries and OH implementing partners and/or research institutions. The discussions provided richer information from the participants around key emerging themes. Country profiles are being developed in collaboration with the global team and will be used for engagement of National One Health Coordinating bodies at member countries in Year 4.



OBJECTIVE 3

NUPAS Assessment and Readiness

Working collaboratively with the Global Team and external auditors from SustainAbility Solutions (AFR Activity 3.1.5), AFROHUN underwent a NUPAS Plus assessment between October 2021 and December 2021 ahead of the USAID assessment to determine suitability of the network for a prime award. As a result, the AFROHUN Finance and Human Resources policies and procedures were updated, the Information Technology (IT) policy and plan were developed, and all were approved at the 32nd Board of Directors and 24th Leadership Summit in April 2022.

As a follow on to the NUPAS Plus assessment, USAID conducted an interim evaluation of the AFROHUN's financial capability, legal organisation, and written policies and procedures through a document review exercise (February 2022). In August 2022 an on-sight review verified AFROHUN's actual practices in accordance with its written policies and procedures and the status of policy related recommendations. As a result, the Transition Award (TA) was fully executed, indicating a general achievement of the minimum requirements.

Building Organizational Capacities

In another activity, strengthening staff capacities and improving organizational systems continued as the network pursued its sustainability goals. Staff, at the regional and country secretariats, were trained in project management (AFR Activity 3.2.3) through six virtual sessions between November 2021 and February 2022. Our Head Grants and Resource Mobilization,

benefited from a one to one coaching and was trained on using specific tools for partnership development.

Partnership Development and Engagements

Network partnership development and funding diversification for institutional sustainability remained a focus area for Year 3 (AFR Activity 3.3.3). Utilizing the good partnering practice knowledge and tools, we streamlined processes for effective donor engagement, the partnership strategy, Annex 3 of the Business Plan was updated. Working with the Global Team, the Secretariat developed packages such as pitch decks, capability statements, fliers, these are useful tools and are being used for different donor and partner engagements.

Additionally, partnership and grant writing meetings (AFR 3.3.4) were held in Year 3 with both funding and implementing partners including: German Agency for International Cooperation (GIZ) and a cooperative agreement is in final stages for an initial funding of Euro 160,000 over two years; Malteser International, a Memorandum of Understanding (MoU) was signed with funding of USD 65,000 for OH training in DRC (Democratic Republic of the Congo). Partnership meetings with ICF Incorporated, Research Triangle International (RTI), and Bixal Global Health were held between April and September 2022 in pursuance of the Localizing Global Health Security (LGHS) grant as a consortium. Two in-person grant writing workshops (February, May 2022) and several work sessions were held for the AFROHUN TA, the USD 4,981,319 award was fully executed in September 2022. Several additional grant funding through country missions (Cote d'Ivoire,

Cameroon, DRC) to about USD 1 million were secured. As part of a consortium, a grant proposal to a USAID Development Innovation Venture (DIV) <https://www.usaid.gov/div> was submitted to build on the Infectious Disease Research Collaboration (IDRC) gender and vaccine development work. During the SEAOHUN conference, lessons were picked and connections on how to engage private sector shared. Partnerships with private sector will be followed up in Year 4.

AFROHUN Network Visibility

Following the assessment conducted in Year 2, a communications expert was commissioned to facilitate the process of reviewing and re-shaping AFROHUN's Communications and Visibility Strategy which is ongoing (AFR Activity 3.2.4). This will support the process of repositioning the network and guide the production of communications and visibility products and templates. The final strategy and guidelines will be disseminated and made functional in Year 4.

Furthermore, partnership development and engagement materials have been produced (AFR Activity 3.3.5). These include a 4-pager, taking a snapshot view of the network's current status, a poster presented at the SEAOHUN 2022 International Conference in Bangkok, a video version of the 4-pager information, two newsletter editions (generated from approved Semi Annual Report and Annual Report content).

AFROHUN Revenue Generating Streams

Our team supported the launch of a fee-based continuing professional development course in Tanzania in September 2022. This pilot course, under the revenue generation efforts (AFR Activity 3.4.4), attracted multidisciplinary participants representing private and public sectors in Tanzania and Rwanda. This course will be used as a model and will be replicated in other AFROHUN countries.



LESSONS LEARNED

Program evaluation for participant buy-in and relevance

AFROHUN ran two successful vCOP. In order to keep the momentum and keep the community engaged, there is need to re-evaluate the activity in order to adapt it to the participant's need and inform the next steps.

The relevance of a cross-country OH research agenda

The research agenda development process indicated lack of OH research agenda for Africa. Therefore this process provides an opportunity for the network to engage in the development of cross-country OH research work on the common themes that were identified and will benefit a wider community beyond the network.

Pursuing institutional sustainability through proactive approaches

Traditionally, AFROHUN has been relying on solicited funding through Request for Proposals (RFAs) as the only strategy for resource mobilization. The network started to diversify approaches by systematically reaching out to funding partners. We are trying a more proactive approach to engage with different funding partners, such as development agencies or private sector, to going after solicited funding. This, however, requires profiling potential funders, building relations with them through sharing network stories of change, and engaging them with clear asks that aligns their interests to AFROHUN's interests.



NEXT STEPS

Year 4 will build on the lessons learned from the e-learning vCOP ECHO sessions and findings from evaluation for faculty, students, and institutional leads to inform the scope and content of the subsequent vCOP sessions.

The regional Secretariat will avail the draft research agenda to expert reviewers, including the Global Team, to input, before validation by the country and regional stakeholders and, approval by the Board and Leadership Summit. The network's OH research funded by the OHW-NG project shall be based on this agenda. Mobilization for additional research areas, both at the country and regional level shall be undertaken to support the network's research efforts. The regional Secretariat's plan for resource mapping around the identified research themes

shall be implemented in Year 4, under the leadership of the Academy's R&E TWG.

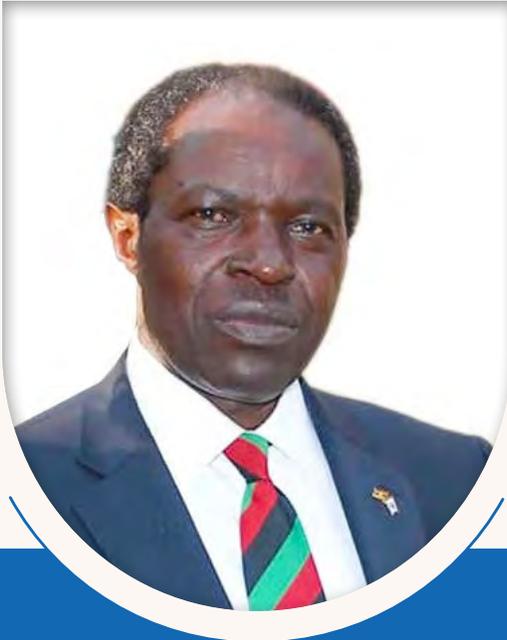
The feedback that was received during the students symposium event, which included a short survey, will feed into further workforce development engagements for both the pre-service and in-service beneficiaries of the students clubs and other OH capacity building initiatives by AFROHUN, under the leadership of the Academy Student One Health Innovation Club (SOHIC) TWG.

Using the experiences learned in Year 3 on proactive approaches, revenue generation models, AFROHUN is going to enhance its product development for visibility to potential funding partners and continue to reach out to them, including private sector players.



SECRETARIAT

ONE HEALTH CHAMPION



PROFESSOR WILLIAM BAZEYO

Job Title

AFROHUN Chief Executive Officer

Professional Credentials

MBChB, M.Med (OM), PhD

Role within the OHW-NG Project

Provides overall oversight to the Secretariat and implementation of the OHW-NG project

Affiliation

Africa One Health University Network



“We got the urge of people joining AFROHUN and we said let’s admit them such that they benefit from the ongoing projects. So, we admitted more institutions. We are now more relevant to Africa, and we can challenge these epidemics and pandemics”.



Individual's Impact

Prof. William Bazeyo is the founding Dean of the One Health Central and Eastern Africa (now Africa One Health University Network (AFROHUN)). As a Public Health physician, he has been in the lead of transformative thinking; moving from managing emergencies from a purely Public Health perspective to taking on a OH approach. Under his leadership as AFROHUN CEO, the network has grown from six countries to ten, with

more applying to join. The network is now regarded as principal thought leader in OH on the continent and globally. Prof. William Bazeyo is a recipient of the Tufts University 2021 class of Honorary degrees in recognition of his leadership in OH innovations research. He is widely published in government circles in the region for his engagements on OH and global health issues.

AFR SEC 1: AFROHUN Secretariat's OH Champion - Professor William Bazeyo. Photo source: AFROHUN Secretariat.

SUCCESS STORY



SECRET
STORY

Reaping the Benefits of Focused Investment in Knowledge Management at AFROHUN

AFROHUN has over the years been working on the process of streamlining and strengthening its Knowledge Management (KM) function. This stimulated commitment from the AFROHUN governing bodies to provide stronger leadership for KM. To guide this endeavor, a KM strategy was developed.

In Year 3, the KM strategy was disseminated and socialized with all key internal AFROHUN audiences. These included the AFROHUN Board, Leadership Summit, the Secretariat and country teams. As a result;

- 1) The Board and Leadership Summit committed to provide all necessary support to the KM function to ensure its growth.
- 2) Country teams are now implementing country-specific KM action plans such as developing products and building capacity at local level.

AFROHUN held a two-day write shop where country teams drafted success stories arising from work that has been done over the years, including beyond the OHW-NG project. From this process, the Secretariat facilitated the development of five success stories that are now ready for dissemination and will be part of the packages for partnership engagement and visibility efforts..



AFR SEC 2: AFROHUN Kenya Country Manager presenting his success story during the Knowledge Management peer review session. Photo source: AFROHUN Secretariat.



AFR SEC3: Knowledge management expert listening to plenary discussions during the Knowledge Management write shop in Dakar, Senegal. Photo source: AFROHUN Secretariat.

In addition, AFROHUN also built capacity for Cameroon through a write-shop to generate KM products that included; eight success stories and three manuscripts.

The key success for AFROHUN in terms of KM is that the process has been a participatory one, involving all staff, management and governance structures, and has to-date generated various knowledge products, and more are underway.

“We have come far in terms of building this capacity, from skepticism to hesitancy to now full-on enthusiasm about knowledge management and its benefits. We thank the OHW-NG Global team for the support they have deployed to bring us to this point. We are especially keen to utilize KM tactics and strategies that can help position us well as thought-leaders in One Health in Africa and globally. Through a strong knowledge management function, we hope to set the agenda for One Health workforce development in the world. We are not yet there but we can smell the prize,” **Ms. Milly Nattimba-** [AFROHUN Secretariat](#).

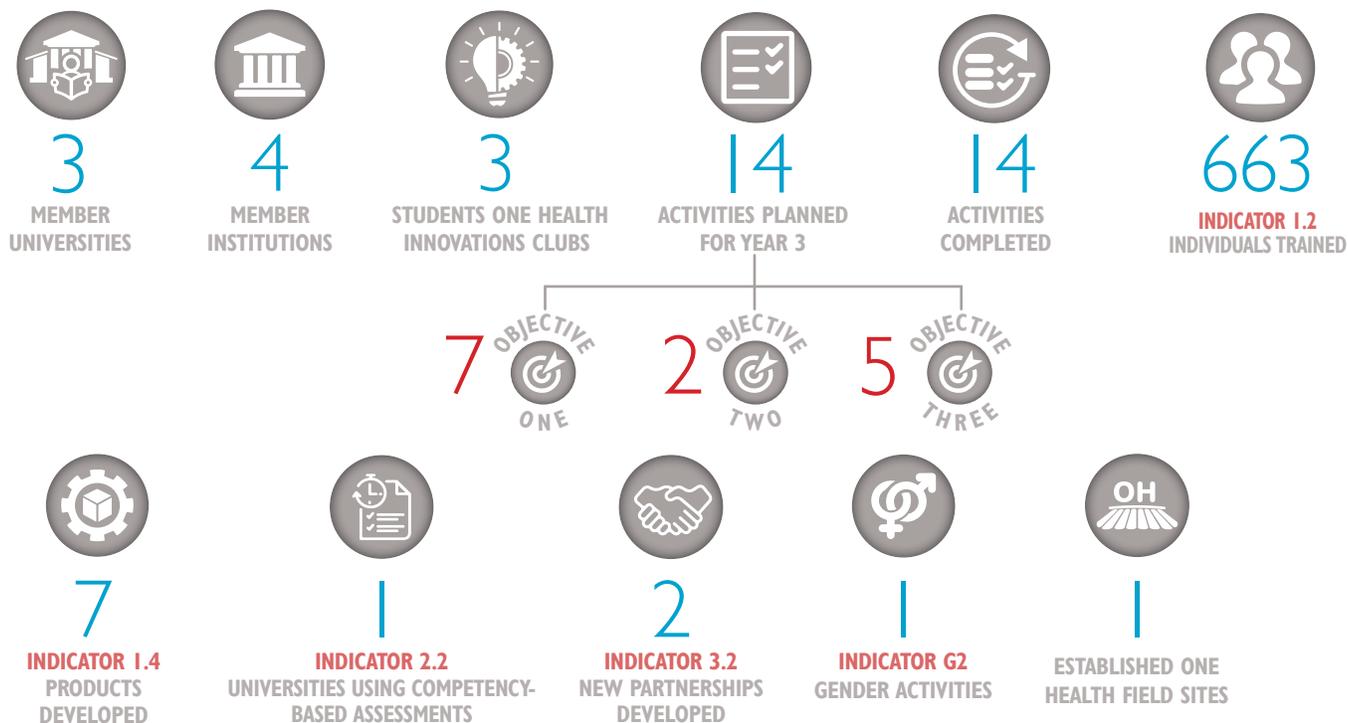


AFR SEC 4: View of lake Nakuru in Kenya, from Baboon cliff. Photo source: https://en.wikipedia.org/wiki/Lake_Nakuru

CAMEROON



Dashboard Overview of Year 3



HIGHLIGHTS

- ➔ Trained 72 faculty from 5 public and private Cameroonian Universities on One Health (OH) and its core competencies (April 2022).
- ➔ Organized the Global Health Case Competition (GHCC) attended by twelve teams from 3 member Universities (June 2022).
- ➔ Contributed to the capacity building of future faculty of University of Buea, Master's level Wildlife Medicine program (February - September 2022).
- ➔ Developed a small grants research program which enabled students to learn by working through collaboration (January - September 2022).
- ➔ Supported National One Health platform to organize a GHCC for women working with civil society organizations across Cameroon, culminating into the creation of a OH network of Cameroonian civil society (November 2021).

ACTIVITIES



OBJECTIVE I

Training and Empowerment

AFROHUN Cameroon conducted three sessions of the GHCC on Infectious Diseases, the OH Concept, and Outbreak Management (emergent threats) to enhance students' competencies in communication, community engagement and problem-solving skills, as well as stimulating interest in creating institutional OH Clubs (CRN Activity 1.2.4).

AFROHUN Cameroon also continued to enhance students' understanding of government systems, policies, and priorities in relation to management of epidemic prone diseases in Cameroon prior to in-service deployment, thus addressing core competency needs related to OH. In June 2022, twelve teams from three member Universities (University of Montagne (UdM), University of Ngaoundere (UN), University of Buea (UB)) participated in the first round of the GHCC. To promote gender balance, at least two females were required in each of the five person teams. Four teams from two member Universities

qualified for the second round of the competition. In July 2022, two of the four teams qualified for the third and final round of the competition.

Seven multidisciplinary teams of three students each were selected for the small grants research program which aimed at promoting interdisciplinary, inter-sectoral research and collaboration (CRN Activity 1.3.3). Four universities participated in this competition, namely UdM (2 teams), UN (2 teams), UB (2 teams), and a team from University of Yaounde I (UYI) (January - September 2022).

In addition to the student focused trainings and activities, AFROHUN Cameroon also trained ten faculty members on wildlife medicine and wildlife surveillance to enhance capacities of Cameroonian universities (CRN Activity 1.3.4). The participants were drawn from University of Bamenda, UdM, UN and UB.



CRN 1: Winning team of GHCC 2022 in Cameroon. Photo Source: AFROHUN Cameroon.



OBJECTIVE 2

The OH concept was born out of a recognition of the opportunities for protecting public health through policies and actions to prevent and control zoonotic pathogens in animal populations at the human/ animal/ environmental interface. AFROHUN Cameroon conducted an assessment of faculty competencies on RCCE. The results indicated that 100% faculty plan to introduce RCCE into their university field program. In another activity, we trained faculty from UN, Udm, UYI, Catholic University of Central Africa (UCAC), and Protestant University of Central Africa (UPAC) on the "One Health" concept and OH core competencies to strengthen their capacity (CRN Activity 2.3.4). Both in-person and online trainings were conducted. In-person trainings took place at Udm, Ecole Vétérinaire de Ngaoundéré, and Protestant University of Central Africa (UPAC). Online sessions were utilized to review topics and train participants on OH core competencies, Gender, Leadership and Communication. Overall, 72 faculty (53 males and 19 females) were trained.



CRN 2: Participants posing for a photo during the OH concepts and core competencies workshop held at Udm. Photo Source: AFROHUN Cameroon.



OBJECTIVE 3

AFROHUN Cameroon attended various meetings organized by partners including USAID and the USAID Mission in Cameroon. The meetings were an opportunity to share progress and best practices as well as a networking and partnership building platform.

In Year 3, the AFROHUN Cameroon Thematic Lead for curriculum development also participated in a communication training organized by the US Embassy in Yaounde. We also supported two faculty, a Thematic Lead and Activity Lead to participate in a symposium organized by the Cameroon Academy of science where AFROHUN Cameroon presented experiences on e-learning.

As part of expanding the network base, AFROHUN Cameroon supported the National Programme for the Control and Prevention of Emerging and Re-emerging Zoonoses (PNPLZER) which is the National One Health Platform to organize a three-day OH GHCC for civil society organizations on OH and Food Security. Six teams from women civil society organizations participated. AFROHUN Cameroon and PNPLZER constituted the jury for the competition. This support culminated into the creation of a OH network of Cameroonian civil society.



CRN 3: Team lead receiving a trophy on behalf of the best GHCC women group. Photo Source: AFROHUN Cameroon.

AFROHUN Cameroon also constituted a team of faculty from various institutions including UN, UdM, UYI, UCAC, UB, University of Dschang and Research Institute of Agriculture and Development (IRAD) to develop grant proposals (CRN Activity 3.1.6). A series of virtual meetings were held that focused on developing grant proposals on Rabies, COVID-19, Tuberculosis and Monkeypox. The proposals will be used to respond to funding calls as they become available.

Building on partnerships efforts, AFROHUN Cameroon developed new partnerships with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and UPAC. Together with GIZ, AFROHUN Cameroon played a key technical role in organizing and facilitating the launch of the GIZ OH Prevention and Pandemic programme. This collaboration enhanced visibility of AFROHUN Cameroon's work around OH. With UPAC, we collaborated to hold an in person OH Core Competence training for faculty. In this partnership UPAC mobilized resources such as logistics used during the training, meeting room facilities for common purposes thus contributing to achievements.



LESSONS LEARNED

Engagement of E-learning Options at the University Level

Since 2020, AFROHUN Cameroon has launched activities aimed at strengthening e-learning knowledge and capacity of faculty in 14 Cameroon universities (both public and private). To date, Cameroon has about 30 e-learning champions who launched a virtual Community of Practice (vCOP) in September 2022 on e-learning to boost the number of instructors and provide ongoing support to the student community. The quick move to e-learning helped to continue supporting capacity building activities.

Following the recommendations of the 2017 Joint External Evaluation (JEE)

conducted in Cameroon to strengthen wildlife monitoring by providing quality personnel in the field, AFROHUN Cameroon developed a Master's program in 2019 with the aim of training a critical mass of Cameroonians in the field of wildlife monitoring. In 2022, the Master's program was approved and will be launched at UB in 2023; 10 faculty were trained to run this program. This activity was the result of an institutional commitment from UB. This commitment has accelerated the desire to continue to innovate around OH and to promote opportunities it presents.



NEXT STEPS

In Year 4, in collaboration with partners of the USAID Global Health Security Agenda (GHSA), AFROHUN-Cameroon will support the UB in launching its AMR Masters program and work with Medicines, Technologies and Pharmaceutical Program (MTaps) to provide online teaching options and use a hybrid approach to instruction. AFROHUN Cameroon will also continue to provide technical support for building the capacity of wildlife monitoring staff in practical skills, and in active, passive and syndromic monitoring.

NEXT STEPS



ONE HEALTH CHAMPION



PROF HALLE-EKANE EDIE GREGORY

Job Title

Professor and Dean

Professional Credentials

MBBS; MD; PGD Reproductive Health; FWACS

Role within the OHW-NG Project

Dean at AFROHUN member institution (Faculty of Health sciences)

Affiliation

UB, Cameroon



“The flame produced by a Bunsen Burner (holistic approach), the tripod of a Bunsen Burner (human, animal and environment factors responsible for diseases) will definitely have a more impactful outcome than if they played complementary roles. The burning flame could be likened to ONE HEATH and the tripod to factors that could cause diseases.”



INDIVIDUAL'S IMPACT

As focal point under OHCEA (now AFROHUN) for 3 years and subsequently a Dean of Faculty of Health Sciences for 2 years, Prof. Halle has actively been involved in coordinating and supervising projects of OHW-NG. Furthermore, he participated in drafting and implementation the Master Programs on AMR and Veterinary Field epidemiology. Though quite challenging, it has been interesting and impactful for him to work with both national and

international stakeholders to spread the OH concept in disease management. Prof. Halle's fervent wish is the integration of the One Health concept in various curricula. His support will enable Cameroon to become an African leader in integrating OH into its national animal and human health systems.

CRN 4: Cameroon's OH Champion - Prof Halle-Ekane Edie Gregory. Photo source: AFROHUN Cameroon.

SUCCESS STORY



SUCCESS STORIES

Enhancing the Understanding of Public Health through a Multidisciplinary Approach

Over the past two years, AFROHUN Cameroon institutionalized a small grants program to promote interdisciplinary, inter-sectoral research and collaboration across seven universities. This grant scheme targeted undergraduate and postgraduate student research teams consisting at least three different disciplines. One of the key eligibility criteria was the multidisciplinary student teams and mentors, while ensuring gender considerations. The grants program enabled students to learn by working through collaboration in multidisciplinary teams.

“I have always been in my comfort zone until this adventure with my fellow students from other fields. I was able to learn from others and understood that alone, it is difficult for me to solve a scientific problem effectively. My wish is that AFROHUN Cameroon continues to give this opportunity to students to learn in a practical way the unique skills of collaboration, coordination, ethics and communication.” **MEGUE KENMOE Paule, a Biologist and former student at Udm.**

Since 2021, two rounds of small grants have been awarded to 18 students (10 females, 8 males). The disciplines involved included veterinary medicine (6); animal sciences (3); human medicine (5) and environmental sciences (4). This research activity allowed students to conduct field investigations and laboratory analyses on various OH topics such as antimicrobial residues from local fish farming system in Cameroon or studying the genetic diversity of *Cryptosporidium* species in children, neonatal calves, and environmental water sources in the southwest region of the country. Experience gained through the grant program has greatly influenced the beneficiaries while carrying out their duties.

“As chair of the SOHICs at Udm, and recipient of one of the small grants, I have come to appreciate the need to collaborate with students from other disciplines to answer complex research questions. This experience has greatly influenced the way I work in my current position.” **Élise Djien, Former Udm SOHIC President.**



SUPPLEMENTAL FUNDING: American Rescue Plan Act - Cameroon RCCE

Risk Communication and Community Engagement for COVID-19 at Universities

Activity Description

The COVID-19 pandemic disrupted in-person learning, advocacy, and community engagement in Cameroon. Thus, there was a need to improve COVID-19 information sharing within the university network and neighboring communities including traders, farmers, shopkeepers, families of the university communities, and herders. As a contribution towards improving risk communication in the country, AFROHUN Cameroon carried out the following RCCE activities:

- ➔ Training SOHIC and other university clubs on COVID-19 RCCE, including addressing misinformation and sharing accurate information on COVID-19 risk reduction measures (including vaccination) within the university and surrounding communities.
- ➔ Further strengthen the current university capacity in e-learning for improving virtual instruction capabilities and engaging the university community to enhance awareness on COVID-19 risk reduction measures.
- ➔ Training journalists on RCCE for improved reporting on COVID-19, and designing appropriate communication and engagement activities for community empowerment to uptake vaccination.
- ➔ Support AFROHUN to participate in COVID-19 stakeholder coordination meetings.



CRN 5: RCCE training of journalist and university communicators. Photo Source: AFROHUN Cameroon.

Highlights

- Modified COVID-19 messages developed under Tranche 3 to include communication tools bearing COVID-19 messages were developed.
- Radio and TV messages were also shared with the university communities. and that included vaccination targeting ,
- Trained 198 SOHIC members and other clubs at four universities on RCCE
- Trained 25 journalists on RCCE to ensure improved reporting on COVID-19.
- 110 SOHIC members from UdM and University of Douala sensitized 2,157 individuals in communities surrounding their university environments on COVID-19 vaccination awareness.
- Built capacity of 34 champions on practical sessions in e-learning techniques which included, setting up an online course while respecting the principles of pedagogy and carrying out evaluation of online teaching.



CRN 6: Practical e-learning training organize by AFROHUN Cameroon. Photo Source: AFROHUN Cameroon.



CRN 7: Facilitators for the e-learning session in Ngaoundere prepare the innovative scenario. Photo Source: AFROHUN Cameroon.



SUCCESS STORY

Managing COVID-19 misinformation through strengthening risk communication among journalists in Cameroon

With funding from the ARPA, AFROHUN Cameroon helped journalists better communicate on COVID-19 through a training on RCCE. Risk communication is not taught in journalism and mass communication schools, creating a gap in understanding of how to frame messages by journalists during crises like the COVID-19 pandemic.

AFROHUN Cameroon therefore designed a training for journalists to support building capacity in this area. In times of new epidemics or pandemics like COVID-19, people need timely, accurate, up-to-date health information they can trust. The media and journalists are usually the first and most accessible source of such information. However, journalists are rarely trained in RCCE. A total of 25 (8 females, 17 males) journalists of university campus radio stations and public health communicators benefited from the training which was conducted by AFROHUN in collaboration with the National One Health Platform. The participants gained skills in improved reporting on COVID-19 and vaccine uptake, increase efficiency and minimize misinformation and rumors during the pandemic.

Some of the journalists have applied the knowledge learned, as seen in their articles, radio editions and television spots. The collaboration between journalists and public health communicators was strengthened, recognizing ways they might help each other in their communication efforts.

“One of the things I learned from this training was how to use the immense possibilities of new technologies to keep up with the topics I cover as a journalist. Being able to provide accurate information is a constant challenge for the journalist, and the RCCE training has equipped me to meet this challenge. I have also mastered the OH approach - having to look at the problem of zoonoses and their treatment in a holistic manner,” **Jean AMOUGOU**, community journalist.

SUPPLEMENTAL FUNDING DASHBOARD



4

UNIVERSITIES IN WHICH RCCE TRAINING WAS CARRIED

UNIVERSITY OF NGAOUNDERE UNIVERSITY OF DOUALA UNIVERSITY OF BUEA UNIVERSITÉ DES MONTAGNES



7

COVID-19 POSTERS DEVELOPED

STUDENTS TRAINED ON RCCE

198

UNIVERSITY AND NEIGHBORING COMMUNITY JOURNALISTS TRAINED

25



FEMALES

93



MALES

105



FEMALES

8



MALES

17



2,157

INDIVIDUALS FROM UNIVERSITY SURROUNDING COMMUNITIES SENSITIZED ON COVID-19 VACCINATION BY



110

SOHIC MEMBERS

70

UdDM

40

UNIVERSITY OF DOUALA



FEMALES

40



MALES

30



FEMALES

22



MALES

18



34

E-LEARNING CHAMPIONS TRAINED (FACULTY)



FEMALES

16



MALES

18

FROM 8 UNIVERSITIES

- UN,
- UYI,
- UB,
- UNIVERSITY OF GAROUA,
- UNIVERSITY OF DOUALA,
- UCAC,
- UPAC,
- UdM



CRN 7: Mana suspension bridge over Mana river, a vital link to the Korup National Park, Cameroon. Photo Source: <https://bit.ly/3G1jVtN>

CÔTE D'IVOIRE



Dashboard Overview of Year 3



MEMBER
UNIVERSITIES



MEMBER
INSTITUTIONS



STUDENTS ONE HEALTH
INNOVATIONS CLUBS



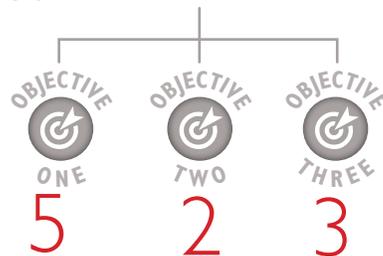
10
ACTIVITIES PLANNED
FOR YEAR 3



10
ACTIVITIES COMPLETED



1,092
INDICATOR 1.2
INDIVIDUALS
TRAINED



HIGHLIGHTS

- In collaboration with USAID partner Breakthrough Action (BA), AFROHUN CDI trained and sensitized 357 students from 3 universities in Korhogo, Bouaké and Yamoussokro through a communication campaign on the One Health (OH) concept, Rabies, Antimicrobial Resistance (AMR) and COVID -19 (November - December 2021).
- AFROHUN CDI in collaboration with the OH platform and other Global Health Security Agenda (GHSA) partners, organized the commemoration of OH Day held at Université Felix Houphouët Boigny (UFHB) (November 2021).
- Trained 29 faculty and Deans from UFHB and Université Nandjui Abrougoua (UNA) and from two training structures for health workers: Institut National de Formation des agents de la santé (INFAS) and L'Institut National de Formation Professionnelle Agricole (INFPA) on the OH approach (January 2022).
- Supported 13 administrative officers in charge of human resources from key ministries involved in OH to validate the report on human and infrastructural resources available in the public sector (March 2022).
- Final year students (141) from INFAS, Unité de Formation et de Recherche des Sciences Médicales (UFR SM) and INFPA benefited from a face-to-face and online training on certification for rabies control using modules on the Global Alliance for Rabies Control (GARC) educational platform (May 2022).
- Established two Student One Health Innovation Clubs (SOHICs) at UFHB (August 2022) and at UNA (September 2022).

ACTIVITIES



OBJECTIVE I

A validation workshop of the situation analysis of OH trainings was conducted by AFROHUN CDI and results indicated the need for inclusion of OH modules in the University Curricula (CDI Activity 1.1.5). The results informed a sensitization and training workshop for Deans and faculty (CDI Activity 1.2.4). With the support of experts from UC Davis, a training workshop was held in January 2022 for 29 people (faculty, Deans, and representatives of key OH departments) from UFHB and UNA. The training focused on the history of the OH approach, systems thinking, problem-based learning, and the involvement of multisectoral and multidisciplinary resources in the management of public health events.



CD 1: Participants during the OH training for university faculty. Photo Source: AFROHUN Côte d'Ivoire.

AFROHUN CDI launched two SOHICs in UFHB and UNA. Prior to the establishment, online and face-to-face engagement meetings with Deans, faculty and student leadership were held to introduce the OH approach. Thereafter, a one-day meeting involving 30 students per university was held. Collaboration with these student clubs will allow for more extensive participation of students in activities for promotion of OH in our universities.



CD 2: Students attending the installation of SOHIC at Université Felix Houphouët Boigny. Photo source: AFROHUN Côte d'Ivoire.



CD 3: SOHIC members posing for a photo during the installation of SOHIC at Université Nandjui Abrogoua. Photo source: AFROHUN Côte d'Ivoire.



OBJECTIVE 2

AFROHUN CDI conducted a workshop to validate the results of human and infrastructural resources mapping exercise that was held in Year 2. The validation workshop engaged 13 administrative officers in charge of human resources from key ministries involved in OH (CDI. 2.3.5). Following the data validation workshop, a comprehensive report was produced and 100 copies of the report were

distributed among various stakeholders. The information generated, informed the mapping of all human and infrastructural resources involved in the One Health approach. These results indicated a total of 49,645 active agents, 1,690 trainers, and 18,408 students spread across the human, animal and environmental health sectors for all key ministries.



OBJECTIVE 3

AFROHUN CDI participated in two workshops (CDI 3.2.3) organized by the national OH Platform. One workshop was aimed at evaluating the planning and performance of the OH Platform and the minimum capacities of the International Health Regulations (IHR), which indicated an increase in both organizational capacity and performance. This workshop also focused on finalizing the annual report on the IHR capacities. The second workshop evaluated the performance and operationalization of the National Health Security Action Plan (PANSS) and preparation of the OH platform activities report (June 2022). The operationalization of the platform ensures the use of tools to make it functional, namely the OH-APP tool, the State Party Self-Assessment Annual Report (e-SPAR) tool, PANSS,

and the annual report on the capacities of the International Health Regulations (IHR 2005).

AFROHUN CDI also participated in the commemoration of the OH Day (CDI 3.2.4) at UFHB with the central theme ***"Health security in Côte d'Ivoire depends on the availability and competence of human resources trained according to the OH approach."*** The university was chosen to sensitize faculty on the OH concept and to integrate the OHW-NG project at the member university level. AFROHUN CDI in collaboration with the OH platform and other Global Health Security Agenda (GHSa) partners supported 93 participants (13 of whom were faculty) to attend the commemoration.



LESSONS LEARNED

Good practices in organizing a workshop during COVID-19: CDI Experience

In January 2022, when we organized the training workshop for university faculty on the OH approach, Côte d'Ivoire was experiencing a third wave of COVID-19. AFROHUN CDI therefore had to identify a training site that complies with safety regulations. AFROHUN CDI sourced a large training site and personal protection equipment for each participant. This method was adopted by other institutions to ensure continuity of work within stringent but protective COVID-19 situations. The Secretary General of the University Presidency congratulated AFROHUN CDI on this achievement.

Peer-to-peer information

AFROHUN CDI experienced difficulties with getting students to join SOHICs this year. This challenge took the identification of a committee to spearhead and conduct sensitization to create awareness and buy in. Utilization of WhatsApp groups further helped to ensure outreach and constant communication among the students. More than 60 students were enrolled as a result of these efforts.



NEXT STEPS

AFROHUN CDI will continue to be integrated in the UFHB and utilize the leadership and volunteer faculty to create ownership of project activities to enhance adoption of OH modules in teaching and continuous capacity building for SOHICs will be provided.

The CDI AFROHUN team will also continue to leverage partnerships within the different ministries and the OH Platform to set up a human resource Groupe Technique de Travail (GTT) within the coordination of the OH platform. This group is an organ of the platform.





COTE D'IVOIRE

ONE HEALTH CHAMPION



KOUASSI YAO MATHIAS

Job Title

Chief of the Division of Occupational Health (University hospital of Angré-Abidjan).

Professional Credentials

Professor in Occupational Health, Researcher

Role within the OHW-NG Project

Thematic Lead - One Health Human Resources Reinforcement

Affiliation

Medical school (UFR Sciences Médicales) at University Felix Houphouet-Boigny - Abidjan, Côte D'Ivoire.



“One Health offers great opportunities for operational research partnerships in collaboration with and communication across various disciplines and sectors. One Health must help reduce social and economic costs and add value to health services, community development, the local economy and environmental preservation. I am committed to helping realize all these opportunities with the entire One Health team”.



INDIVIDUAL'S IMPACT

Professor KOUASSI is a Thematic Lead for the strengthening OH human resources area. He was a key player in realizing the OH human resources mapping, preparation of data collection documents, orientation of survey teams, data validation, and conducting the final data validation workshop. He is a resource person in the development of the Competency Based Education (CBE) pedagogical strategy in the institution. On a daily basis, he demonstrates his commitment and availability for the promotion of OH. After his participation in the OHW-NG CBE workshop held in Kampala, Uganda, he took the initiative of contacting volunteer faculty to implement OH, eventually establishing OH educational units in conjunction with the university.

CD 4: Côte d'Ivoire's OH Champion - Kouassi Yao Mathias. Photo source: AFROHUN Côte d'Ivoire.

SUCCESS STORY



SUCCESS
STORY

Building students' capacity for rabies prevention

In September 2022, during his internship in a hospital in Abidjan, Mr. Assouan Michel applied the knowledge gained from the rabies training to provide appropriate care and guidance that saved a life of a patient bitten by an unknown dog. Mr. Assouan is a 7th year medical student of the Unité de Formation et Recherche Sciences Médicales (UFR-SM) at Université Felix Houphouët Boigny (UFHB). He participated in a rabies training organized for graduating students by AFROHUN CDI under the OHW-NG project.

Three training sessions were held in May 2022 at the Faculty of Medicine, UFHB, the National Institute of Training of Health Workers (INFAS) and the School of Specialization in Livestock and Meat Trades of Bingerville (ESEMVB). Professors from the Faculty of Medicine and the School of Para-veterinary facilitated the training. They encouraged the students to reach out to parents, relatives, and friends to take their dogs for vaccination to avoid being infected with rabies.

The instructors also emphasized the measures that doctors should take following exposure to a bite or scratch by a dog or cat such as, taking a patient to a specialized service facility for post-exposure management in case of rabies. The Director of Veterinary Services created a WhatsApp group for students to continue

sharing and discussing about rabies.

After the workshop, Mr. Assouan took up the initiative to sensitize his parents, neighbours and friends about rabies and its prevention. Following his advice, the parents had their two dogs vaccinated against rabies at a private animal clinic in Abidjan. They did not wait for free vaccination services neither did some of his neighbours and friends.

Mr. Assouan was among the 141 students awarded with certificates following the knowledge and skills gained from training on rabies prevention.

“The training on rabies is very important because it allowed me to maybe save the life of this patient. In the service where I was that day, I was the only one who knew the protocol for follow-up of a person bitten by a dog. So, I shared the training link with medical students that were together with me on internship that had not participated in the rabies training.” **Mr. Assouan Michel, student UFR-SM UFHB.**



CD 5: Assoua Michel addressing students. Photo Source: AFROHUN Côte d'Ivoire.



SUPPLEMENTAL FUNDING: ARPA

Cote d'Ivoire COVID_19 vaccination

Reducing COVID-19 morbidity and mortality through accelerated equitable access to vaccines

Activity Description

Vaccination is one of the most effective ways to reduce the spread of COVID-19. To limit transmission and reduce morbidity and mortality from COVID-19, Côte d'Ivoire has decided to adopt vaccination as a means of preventing the pandemic. Since the launch of the COVID-19 vaccination program, there has been some vaccine hesitancy at the university, especially among teaching staff. The American Rescue Plan Act (ARPA) program supports two objectives: (i) to accelerate widespread and equitable access to safe and effective COVID-19 vaccine delivery and (ii) to reduce COVID-19 morbidity and mortality, mitigate transmission, and strengthen health systems, particularly to prevent, detect, and respond to pandemic threats. In collaboration with key partners (Ministry of Health, Ministry of Education, UFHB, Université Nangui Ambrogoua (UNA), Institut National de Formation des Agents de Santé, and École Nationale de Statistiques Appliquées), AFROHUN CDI is working with professional and student associations of the university community, to conduct awareness and training activities to increase the rate of immunization in the university campuses through the ARPA project.

Highlights

- ➔ Engaged 50 university staff and 32 students and over 2,400 people from neighboring communities through COVID-19 vaccination awareness campaigns.
- ➔ Trained 307 students

and instructors from the target structures of UFHB, the National Institute of Social Training, the School of Livestock and Meat Trades of Bingerville (ESEMVB) and UNA on COVID-19 epidemiology, the value of vaccination, community involvement in COVID-19 vaccination and communication tools.

- ➔ Supported the launch of the awareness and vaccination campaign for university communities and, initiated vaccination at 4 sites namely: UFHB, INFS (Institut national de formation Sociale), Ecole d'élevage de Bingerville and Ecole d'agriculture de Bingerville.
- ➔ Vaccinated 278 students, faculty and, administrative and technical staff from the different target structures at UFHB and UNA.
- ➔ Conducted a survey covering 338 faculty, students, associations and unions, and technical / administrative staff to better understand the reasons behind the low vaccination rate among university communities.



CD 6: Launch of COVID-19 awareness and vaccination activities under the ARPA project. Photo Source: AFROHUN Côte d'Ivoire.

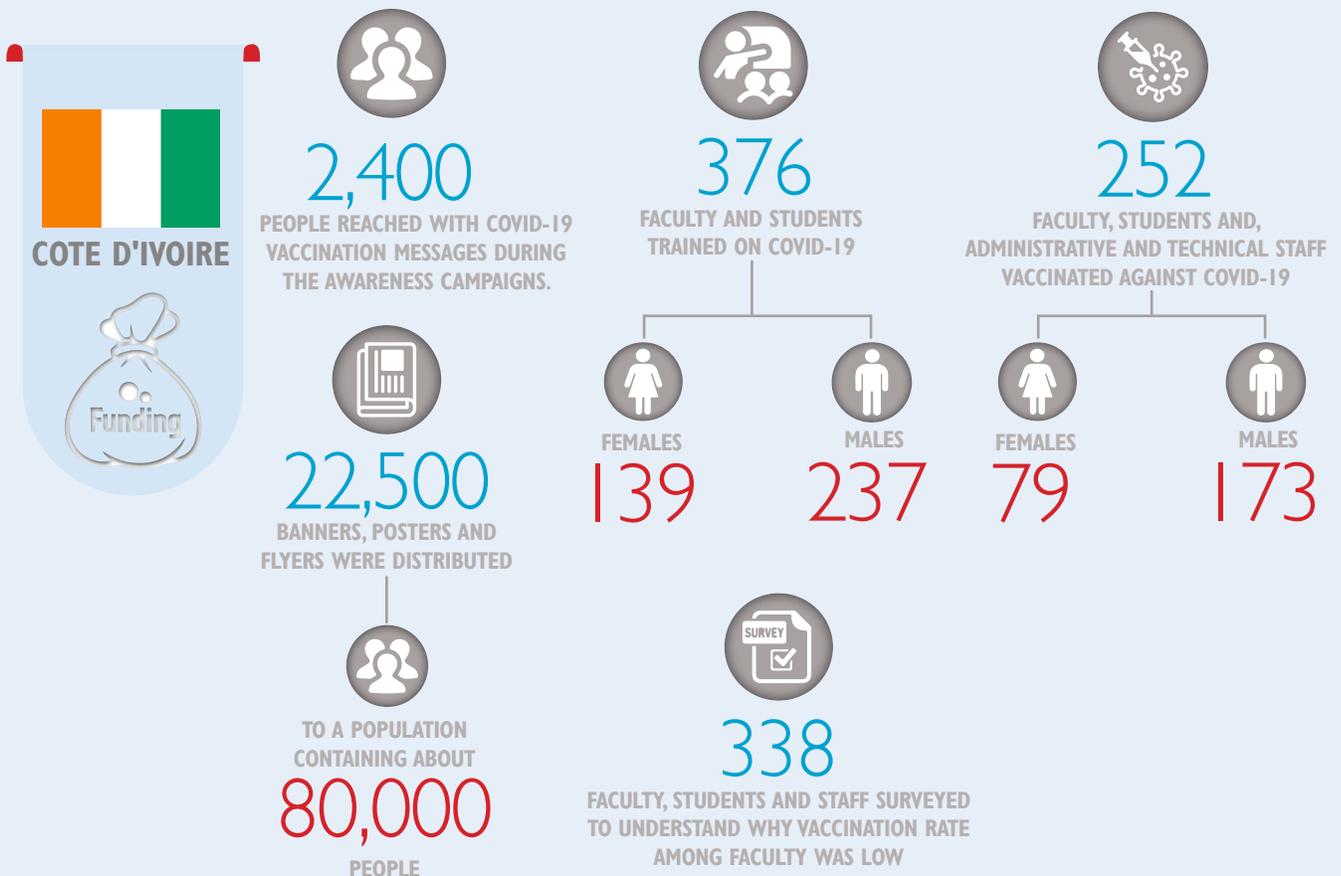


SUCCESS STORY

There has been some reluctance among a portion of the Ivorian population, particularly among health personnel and university communities to be vaccinated against COVID-19. This reluctance has been largely due to the ongoing public misconceptions about the quality and safety of COVID-19 vaccines. Such was the case with Ms. Christelle Elodie Ballo, the head of communications at UFHB. Ms. Ballo was afraid to get vaccinated against COVID-19 because of what she heard about COVID-19 vaccine safety. Luckily, her opinion changed when she attended a one day workshop that was held to sensitize and create awareness about COVID-19 vaccination for university staff and students. The workshop covered topics on the epidemiology of COVID-19, vaccination against COVID-19 and care of COVID-19 patients. After the training, Ms. Ballo sought for vaccination services and was vaccinated against COVID-19 within the university site. She is among the 278 students, faculty and university administrative and technical staff that were vaccinated against COVID-19 following the sensitization meetings held in UFHB and UNA.

“I accepted to takeup the vaccine because of the reassurance I received during the workshop. The presentations made by the speakers reassured me especially to takeup the Johnson & Johnson vaccine that required me to only take one dose to be protected,” **Ms. Christelle Elodie Ballo**, Communications In-charge, Office of UFHB president.

SUPPLEMENTAL FUNDING DASHBOARD





CD 7: Fisher on Lake Kossou near Kouso in Côte d'Ivoire. Photo Source: <https://bit.ly/3W7YyfH>

DRC



Dashboard Overview of Year 3



HIGHLIGHTS

- ➔ The territory administrators training module developed by AFROHUN DRC was reviewed and validated by the government, represented by the Ministry of Interior (February 2022).
- ➔ Evaluated, reviewed and updated the Infectious Disease Management (IDM) and Antimicrobial Resistance (AMR) module to train a new cohort of 66 students in Kinshasa and Lubumbashi (June 2022).
- ➔ Engaged Student One Health Innovation Club (SOHIC) members from University of Kinshasa (UNIKIN) and University of Lubumbashi (UNILU) in a rabies sensitization and vaccination campaign (April 2022).
- ➔ Strengthened One Health (OH) Clubs in member universities, through conferences in four universities (UNIKIN, UNILU, Catholic University of Graben, Institute of Medical Techniques in Bukavu (November 2021 - June 2022).
- ➔ Established a new partnership with Malteser International to train a cohort of 56 OH professionals in Ituri and Bas-Uélé provinces (June 2022).

ACTIVITIES



OBJECTIVE I

During Year 3, AFROHUN DRC supported a multidisciplinary group of experts to review and update the territorial administrators training module developed in 2016. This review helped to update the content and to add modules on Risk Communication for Community Engagement (RCCE) and Gender, based on lessons learned during the COVID-19 pandemic. The final product was validated by the government and will be integrated into the territorial administrators training curriculum for sustainability (CD Activity 1.1.5).

During the same period, infectious disease management alumni were engaged in the evaluation of the Infectious Disease and AMR training module (CD Activity 2.1.7) and their feedbacks used to review and update the module (CD Activity 1.1.6). The reviewed module was used to train a new cohort of 66 students (30 females and 36 males) in Kinshasa and Lubumbashi (CD Activity 1.3.3).

Existing SOHIC members were trained on rabies and participated in a rabies awareness and vaccination campaign in Kinshasa and Lubumbashi. A total of 300 unvaccinated dogs were vaccinated (CD Activity 1.4.2).



DRC 1: SOHIC member during the rabies sensitization campaign in Kindele, Kinshasa. Photo source: AFROHUN DRC.



DRC 2: Students posing with the Dean of Kinshasa School of Public Health and the AFROHUN DRC Country Manager ahead of the field outreach. Photo source: AFROHUN DRC.



DRC 3: Dog registration by a SOHIC member ahead of the vaccination exercise. Photo source: AFROHUN DRC.

To strengthen SOHICs in member universities and create new SOHICS, AFROHUN DRC organized five conferences that engaged more than 400 students. Topics related to AMR and Emerging Zoonosis were covered (CD Activity 1.4.3). In the same reporting period, four in-service professionals conversation spaces were established for OH awareness, online and in-person conferences organized covering AMR, Ebola, and Monkeypox, with up to 600 attendees (CD Activity 1.4.4). Lastly, the National One Health Strategic Plan developed during Year 2 with technical support from AFROHUN was launched by the government during Year 3 (CD Activity 1.5.1).



OBJECTIVE 2

Using an online survey, alumni trained from 2016 to 2019 evaluated the IDM and AMR modules. Gaps such as risk communication for community engagement, gender, and infection prevention and control were identified. Findings from this evaluation were used to guide the review and update of the Infectious Disease and AMR training module as mentioned above (CD Activity 2.1.7).



OBJECTIVE 3

Quarterly performance review meetings were organized involving all the AFROHUN DRC stakeholders, including Deans, Thematic Leads, Activity Leads, the OH platform, and partners (CD Activity 3.1.5). The review highlighted lessons learned and areas for improvement. The same stakeholders were also engaged during the Year 4 work planning meetings that supported the development of the AFROHUN DRC Year 4 work plan (CD Activity 3.1.6).



LESSONS LEARNED

A new partnership established for successful implementation of OH activities at the subnational level

During Year 2, the AFROHUN DRC team participated in the partnership engagement training organized by the Global Consortium. The knowledge acquired during the training helped the team to engage Malteser International, a German international Non Governmental Organization (NGO), in activities conducted in two provinces in the Northeastern part of DRC. On their request, AFROHUN DRC made a presentation highlighting the work done in the country and potential areas of collaboration. Following the presentation,

discussions were initiated and an MoU was signed between the two organizations. Through these engagements, USD 65,000 was mobilized for training 56 OH professionals in Buta and Mahagi where Malteser International is implementing a transboundary OH surveillance project. After this training, two OH committees were established in Buta and Mahagi to support the implementation of the project. Given that DRC is a huge country, there is a great need to have trained OH professionals at national and subnational levels.



NEXT STEPS

Workforce capacity development is an important component of the National One Health Strategic Plan that was developed during Year 2 with support from the Global Consortium and local experts and launched in Year 3. AFROHUN DRC will build on this Strategic Plan objective to train in-service professionals and pre-service students to support the implementation of the five-year plan. The training modules reviewed during Year 3, such as the territorial administrators training module, will be used to conduct a Training of Trainers (TOTs) at the national level. This is critical as this module will be integrated into the territorial administrators training curriculum. SOHICs will be involved during the outreach activities.

Partnerships created since Year 2 with Malteser International, Food and Agricultural Organization (FAO), and Breakthrough Action improved activity implementation and AFROHUN visibility at the country level. These partnerships will be strengthened and new partnerships created for successful implementation of OH activities.





DRC

ONE HEALTH CHAMPION



DÉSIRÉ MASHINDA KULIMBA

Job Title

Professor of Epidemiology and Dean of the Kinshasa School of Public Health

Professional Credentials

MD, MPH, PhD

Role within the OHW-NG Project

Dean of AFROHUN member institution

Affiliation

University of Kinshasa



“The challenges we are facing today, such as emerging and re-emerging infectious diseases, and AMR can’t be addressed by one sector. Public health professionals need to be equipped with OH competencies to manage public health events using a multisectoral approach. The School of Public Health has incorporated OH competencies in the training curriculum to prepare the future workforce.”



Individual's Impact

Prof. Mashinda, as the Dean of the School of Public Health, a member institution of the network, has provided leadership and support during activity implementation. He was part of OHW-NG activities implemented in Kinshasa including work planning to ensure that all activities are implemented as planned. He has supported partnership engagement activities by participation in meetings organized with stakeholders. As a result, a MOU was signed with a non-profit humanitarian agency, Malteser International. Under his leadership, OH is being integrated in the training curriculum of the school.

DRC 4: DRC's OH Champion - Désiré Mashinda Kulimba. Photo source: AFROHUN DRC.

SUCCESS STORY



SUCCESS
STORY

Using Multidisciplinary Students for a Rabies Sensitization and Vaccination Campaign

Rabies is one of the priority zoonotic diseases in DRC. The 2030 Rabies Elimination Plan, whose implementation is led by the Rabies Technical Working Group of the National One Health Platform, outlines actions toward rabies elimination in DRC including community sensitization and rabies vaccination campaigns. To contribute to this goal, AFROHUN DRC supports students to engage in community rabies awareness and vaccination outreach. Learning from previous activities, this year's rabies outreach had a few changes. After undertaking an online rabies training, students from different disciplines attended an in-person one-day training, where they were exposed to rabies epidemiology, symptoms, post

exposure prophylaxis, and prevention strategies including risk communication and community engagement. They also practiced community entry and designing communication messages and before their deployment. These sessions strengthened the students' understanding of rabies and activity planning. The 51 students who participated in the two-day event came from the faculties of Medicine, Veterinary Medicine, Social Sciences, Communications, and Environmental Sciences.

On day 1, students conducted a sensitization campaign, reaching 5000 community members in Kinshasa and Lubumbashi. Each group of students was supervised by a veterinary officer and a faculty member.



DRC 5: SOHIC members during rabies sensitization campaign conducted on the World Rabies elimination Day. Photo source: AFROHUN DRC

On day 2, the Rabies Technical Working Group provided vaccines that were administered by veterinary officers supported by students to vaccinate up to 400 dogs.



DRC 6: SOHIC final year student Biaba observing the dog vaccination demonstration by Dr Serge Lwange - Animal health officer for Mont-Ngafula. Photo source: AFROHUN DRC.

Through this activity students improved their knowledge of rabies and learnt community engagement strategies and multidisciplinary collaboration.

“With a social science background this activity helped me to learn about rabies and to understand my role toward rabies elimination. I was thinking that this is only for veterinarians but now I understand that without community engagement it’s very difficult to achieve rabies elimination in DRC. As a social scientist, I have the right knowledge to help with the community engagement with such activities.” **Prisca Kabangu, a Social Science student.**

“Despite my knowledge of rabies, it was not clear to me how a multidisciplinary approach can be useful for rabies elimination. Through this activity I was able to see that in action.” **Love Biaba, a Veterinary Medicine student.**



DRC

SUPPLEMENTAL FUNDING: DRC KSPH MPH Scholarships

Strengthening the pipeline of DRC One Health professionals

Activity Description

During Year 2, the USAID health office in DRC engaged AFROHUN and the OHW-NG Global Consortium to assist the Kinshasa School of Public Health (KSPH), an AFROHUN member institution, with the administration of their scholarship program and integration of OH into the program's curriculum. The objective of this program is to strengthen the pipeline of OH professionals in DRC. Under this program which targets in-service professionals working within the Ministry of Health & Ministry of Animal Health, full scholarships for Master of Public Health (MPH) at KSPH for over a period of 3 years were planned for 60 students. The DRC AFROHUN country office worked closely with KSPH's leadership and supported the program's administration to recruit the two cohorts of 30 scholarship recipients each year.

In Year 3, the second cohort of 30 scholarship recipients, (19 male and 11 females) were selected. It was however noted that only 26% of the total applicants were female, hence the need to conduct a study to understand barriers to access to higher education. It was noted that the major barriers were mainly sociocultural norms limiting access to higher education in DRC. This study provided an in-depth understanding of factors associated to gender inequality in access the MPH program.

Highlights

- ➔ The first cohort of 30 students recruited in Year 2 of the OHW-NG project completed their studies. Eight of them successfully defended their dissertations in June 2022 and the remaining will do so in December 2022.
- ➔ The second cohort of 30 students recruited in Year 3 of the OHW-NG project completed their first semester and are now studying the second semester modules.
- ➔ The KSPH financial management team received field support from the regional Secretariat on programmatic management of the MPH scholarship regarding requirements of a yellow book audit which is a comprehensive audit that entailed checking the program's compliance with organizational and donor policies and standard operating procedures. Yellow book audit recommendations were addressed and staff capacity built in that regard. One Health competencies have been integrated in the KSPH reviewed curriculum after a three-day face to face follow-up workshop for 25 faculty including heads of departments and Deans.
- ➔ A gender gap study was conducted to understand the gender gap in access to higher education at the Kinshasa School of Public Health. Socio-economic and cultural factors were identified as the major barriers to access to master's level education by women.



SUCCESS STORY

Understanding gender gaps in access to higher education

During Year 2, the USAID health office in DRC engaged AFROHUN and the OHW-NG Global Consortium to assist the KSPH, an AFROHUN member institution, with the administration of their scholarship program and integration of OH into the program's curriculum. The objective of this program is to strengthen the pipeline of OH professionals in DRC. The program targeted in-service professionals working within the Ministry of Health & Ministry of Animal Health.

In Year 3, AFROHUN DRC worked closely with KSPH's leadership to support the program's administration in recruiting the second cohort of 30 scholarship recipients (19 male and 11 females). Unfortunately, with only 26% of the applicants being female, this gender imbalance needed to be addressed. Every year, the school receives less than 30% of its applications from women. By 2021, KSPH had trained more than 1,450 MPH students, of which only 261 were female while 1,189 were male. However, there was lack of data to explain gender gaps in enrollment, recruitment, and selection of candidates. We therefore conducted a study to identify the gender barriers to access to higher education. A mixed method study complemented by document review was conducted.

The study provided an in-depth understanding of the factors associated with gender gaps relating to access to higher education in general and the MPH program at KSPH in particular. It was noted that the major barriers were socio-economic and cultural factors in nature. Most of the women who were interested in applying for the MPH program faced financial challenges; negative/prohibitive family/cultural influence and unawareness

about the existence of the USAID-funded scholarships, among other factors. The understanding of these factors will guide the development of mitigation strategies going forward..

Below we share insights from the study participants on key factors identified.

"The family does not favor the woman to do higher education especially when she is not married, because the priority of the family is marriage and the surroundings also obstruct as well as society which says that the woman is weak even if she studies she will not do anything with it," said a female participant during the focus group discussion.

"The husband or fiancé is also a big obstacle especially if he knows that after studies the wife will have a higher level of education than him. Culture also an obstacle," said a male participant during the focus group discussion.

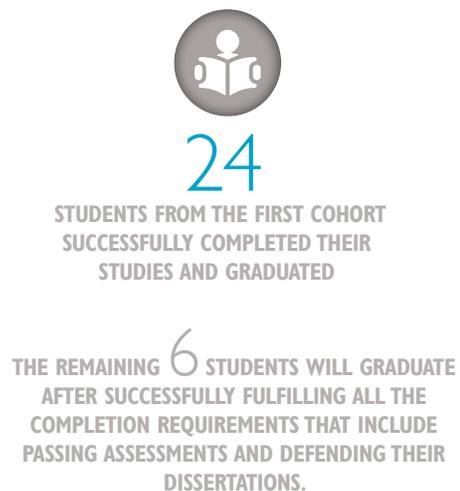
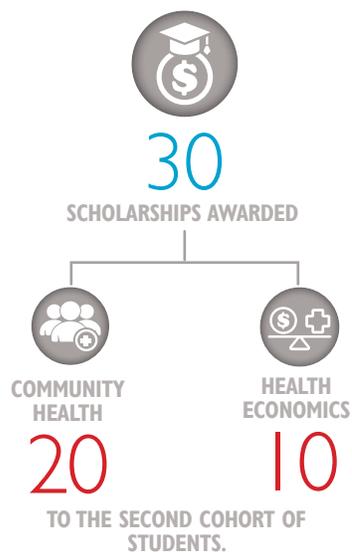
"Marriage is the first obstacle, especially if you have children. It is not easy for the husband to let you go but also the distance especially for women in the provinces, not to mention the in-laws that intoxicate {influence} the husband," said a female participant during the focus group discussion.

One of the successful candidates of the program, Mayala Masiala Viviane, a medical doctor in the Health Economics track working with KSPH in the department of Management, suggests that a lot needs to be done to encourage women to take up the program.

“We should encourage women to apply. It is not easy when one has children and other commitments at home to take on such trainings. But if the woman has the will and determination, it is possible to make it. This {scholarship} opportunity was good because it took good care of us. Me, I am married since 3 years ago and I have a child of 2 years but I have the determination to study. Even when you are in class there are (people at home) calling you. But you have to have the will to continue,” **Dr. Mayala Masiala Viviane**, medical doctor.

It became clear that there is need to create awareness about the scholarship program to reach the intended beneficiaries. *“A real problem of communicating on the existence of the scholarship, almost all women doctors in my area don’t have this information,”* said a male participant during the focus group discussion.

SUPPLEMENTAL FUNDING DASHBOARD



ETHIOPIA



Dashboard Overview of Year 3



HIGHLIGHTS

- Trained 35 students from Jimma University and Akililu Lemma Institute of Pathobiology in Infectious Disease Management (IDM) with the purpose of producing professionals that are able to identify and manage infectious diseases using a One Health (OH) approach (May - June 2022).
- Conducted a training for 58 in-service professionals from Jimma and Addis Ababa on OH Risk Analysis for in-service personnel and faculty members, enhancing multidisciplinary capacity in risk identification, assessment, management and communication on OH problems (May - June 2022).
- Supported 20 faculty members from Jimma University and Akililu Lemma Institute of Pathobiology to attend a cross-country virtual training workshop on grant proposal & concept note development designed to build faculty capacity in developing multidisciplinary and winning grant proposals (April 2022).
- Held virtual and physical grant proposal writing meetings for 29 faculty from Jimma University which resulted in the development of five grant proposals for submission to funding agencies (April - September 2022)
- Supported 164 students from Jimma, Mekelle and Addis Ababa Universities to participate in Ethiopian Students One Health Innovative Club (ESOHIC) seminars and panel discussions on OH (October 2021 - September 2022).
- AFROHUN Ethiopia in partnership with University of Bologna, Italy and other two Ethiopian universities won two capacity building projects from Italy (November 2021).

ACTIVITIES



OBJECTIVE I

Thirty five final year students (40% female) from Jimma and Addis Ababa Universities representing the disciplines of veterinary and human medicine, nursing, public health, environment, biology, and animal science were trained in IDM (ET Activity I.1.5). The training covered concepts including: OH fundamentals, infectious disease epidemiology and multidisciplinary approach in IDM, the global burden of disease, outbreak investigation, gender, infection control, leadership, risk communication and systems thinking. Teaching modalities included problem based learning and simulation exercises.



ET 1: Students and trainers pose for a photo during the IDM training in AAU. Photo Source: AFROHUN Ethiopia.



ET 2: IDM training in Addis Ababa University. Photo Source: AFROHUN Ethiopia.

Under ET Activity 1.1.6, 58 participants from the Ministry of Agriculture, Ministry of Health(MoH), Ministry of Environment, the disaster risk management office, government officials, and members of academic staff from Jimma and Addis Ababa universities participated in a training on risk management and communication. The training equipped the academic staff and government sector office professionals with knowledge and skills on risk communication, risk assessment and risk management, and skills in conducting multidisciplinary research.

A virtual training workshop was organized by four AFROHUN member countries (Ethiopia, Kenya, Senegal and Rwanda) (ET Activity 1.3.3) on grant proposal development. This enhanced the skills of 20 faculty from Jimma and Addis Ababa Universities. Furthermore, 29 faculty from Jimma University participated in five virtual sessions and a five day in person grant proposal writing workshop in which five grant proposals focusing on AMR, climate change, stray dog management, Brucellosis, and livestock banking through OH approach were developed.



ET 3: Participants pose for a photo with the president and vice president of Jimma University during the grant proposal development workshop in Jimma. Photo Source: AFROHUN Ethiopia.



ET 4: Group work during proposal development workshop. Photo Source: AFROHUN Ethiopia.



OBJECTIVE 3

Quarterly performance review meetings were organized involving AFROHUN Ethiopia stakeholders including university Deans, Thematic Leads, Activity Leads, OH platform representatives, and program partners. The reviews highlighted lessons learnt and areas for improvement. The same stakeholders were also engaged during the Year 4 work planning meetings that supported the development of the AFROHUN Ethiopia Year 4 work plan (ET Activity 3.2.4).



ET 5: Country Manager with Jimma University, College of Agriculture and Veterinary Medicine Deans after the Year 4 work plan meeting. Photo Source: AFROHUN Ethiopia.

In addition, meetings were held with the President and Vice President of Jimma University to lobby for financial and technical support towards AFROHUN's activities and will be followed up in the upcoming year. AFROHUN Ethiopia leadership also participated in various Global Health Security Agenda (GHSA), USAID mission, and National OH Partner meetings, and OH Steering Committee activities, where they presented on progress as well as used these meetings to strengthen partnerships and collaboration.



ET 6: Country Manager presenting at GHSA partners meeting. Photo Source: AFROHUN Ethiopia.

AFROHUN Ethiopia team together with the Jimma University senior leadership including the President, Vice President and Research Director visited the Koyesha Hydroelectric Dam. With more than 5000 workers, the contingent visited the dam to conduct a fact finding mission to design a potential OH development and intervention project. AFROHUN Ethiopia was tasked to develop a proposal for OH interventions in the area. This will be followed up in the upcoming year.

During the reporting period, AFROHUN maintained student engagement through the national level SOHIC known as the ESOHIC. A series of virtual sensitization events namely; seminars, panel discussions, and information dissemination of OH information were conducted via social

media for AFROHUN member and non-member university students across Ethiopia.

As a result, more than 10,000 people were reached with the presentations and articles through social media platforms.

Under the partnerships efforts, AFROHUN Ethiopia participated in a regional planning meeting for the One Planet Education - Transdisciplinary Initiative (I HOPE-TDI) Africa Consortium which was held in February 2022. The aim of the meeting was to initiate and establish an Africa regional consortium of I HOPE; AFROHUN was included as partner of the global initiative of I HOPE. Further to this initiative, AFROHUN Ethiopia held follow up meetings with I HOPE to discuss areas for potential partnership and collaboration.



LESSONS LEARNED

Nurturing new partnerships for more activity implementation

Due to the current political unrest in the country, AFROHUN Ethiopia had limited funding to implement Year 3 activities. Thus, resource mobilization and partnership mapping were conducted, and new partners were engaged. As a result, AFROHUN Ethiopia, Vets for Africa and University of Bologna developed a joint proposal that was awarded 44,000 Euros from the Italian government. Aimed at

implementing capacity building trainings in Ethiopia and Italy, to date 170 experts have participated in online trainings and three Ethiopian experts traveled to Italy for training. In light of this success, we learned that additional efforts while nurturing new partnerships with various stakeholders is required in order to continue addressing OH funding gaps and leverage synergies across partners.



NEXT STEPS

AFROHUN Ethiopia will continue to support the SOHICs and to utilize virtual options for wider reach. AFROHUN Ethiopia plans to undertake an alumni survey for professionals who participated in the OH risk analysis training to assess

the relevance of the training provided and to inform future capacity building efforts. Our team will continue efforts geared towards enhancing partnerships and collaboration with potential funders and implementing partners.



ONE HEALTH CHAMPION



PROF. SEID TIKU MERETA

Job Title

Research and Postgraduate Coordinator

Professional Credentials

Professor in Ecology and Environmental Health

Role within the OHW-NG Project

Thematic and Activity Lead (OH Risk Analysis and Grant Proposal Writing)

Affiliation

Jimma University



“Ecosystem management is the principal strategy that prevents nature's revenge and attains optimal health for humans and animals”



Individual's Impact

Prof. Seid has been working as a Thematic and Activity Lead for OH risk analysis training and grant proposal writing for the last seven years. He played an active role during the development of the OH risk analysis training module and its delivery at Jimma and Addis Ababa universities. Additionally, he also played a key role in the assessment of national OH workforce core competencies and OH coordinating entities in Ethiopia.

ET 7: Ethiopia's OH Champion - Prof. Seid Tiku Mereta. Photo source: AFROHUN Ethiopia.

SUCCESS STORY



SUCCESS STORIES

Spreading the One Health Concept through Expanding Student One Health Innovation Clubs in Ethiopia

To keep students virtually engaged in One Health (OH) activities during the COVID-19 pandemic, SOHIC members from Jimma and Mekelle Universities established a single, country wide, SOHIC called the Ethiopian Student One Health Innovation Club (ESOHIC). ESOHIC fosters peer mentorship and learning in the field of OH. AFROHUN Ethiopia supported ESOHIC and opened a free virtual OH advocacy and sensitization training program to multidisciplinary students from Jimma & Mekelle Universities. The students gained knowledge about OH concepts and practical engagements skills. They used this platform to spread the OH concept across Ethiopian universities which attracted requests from nonmember university students to participate in AFROHUN One Health activities.

In Year 3 of the OHW-NG project, ESOHIC successfully organized bimonthly OH sessions entitled “**One Health Advocacy, Incubation and Sensitization Events**” for all Ethiopian students. The program called upon all passionate professionals and skilled students to share knowledge and experience in OH with ESOHIC members. The sessions attracted students and experts from

more than twelve universities, three ministerial offices and the private sector. The webinar presentation and discussion materials shared with all club members and the public through ESOHIC social media platforms reached more than 10,000 beneficiaries. Following the advocacy and sensitization events, two non AFROHUN member Universities namely University of Gonder and Samara University, officially established the One Health Students Clubs. Three other universities have initiated the process of establishing clubs in their respective universities.

“I have great appreciation for your motivation to promote OH. This platform seems a very energetic group that should be used as a vehicle for proper dissemination of information & awareness raising on the concept OH approach to wider community,” **Dr. Darsema Gulima, Senior Advisor, One Health Prevent Epidemic Team, Resolve to Save Lives, Ethiopian Public Health Institute.**

The future of ESOHIC is bright! Awareness about OH throughout Ethiopia will be achieved with support and close collaboration among Ethiopian universities.



ET 8: Ethiopian Wolf. Photo source: <https://ethiopianembassy.be/discover-ethiopias-rich-wildlife-and-nature/>

KENYA



Dashboard Overview of Year 3



HIGHLIGHTS

- The Master of Science (MSc) in Infectious Disease and Global Health (IDGH) was officially launched by the Deputy Vice Chancellor (DVC) Moi University, Sir Prof Ambrose Kiprop, representing the Vice Chancellor (September 2022).
- Conducted Antimicrobial Resistance (AMR) and Food Security Extension for Community Healthcare Outcomes (ECHO) series to sensitize pre-service and in-service professionals with appropriate skills to address complex One Health (OH) challenges (October 2021- June 2022).
- Engaged 106 Student One Health Innovation Club (SOHIC) officials and members from the 2 member Universities in 4 outreach activities, where students demonstrated their OH leadership and competency skills through leading the events (October 2021 - September 2022).
- Supported 10 faculty to develop 8 manuscripts for publication in peer reviewed journals (March 2022).
- In partnership with Farming Systems Kenya, 3 faculty members from the 2 member Universities trained primary

school teachers and members of a youth group on OH to promote science communication and trans-disciplinarity, and equipping the community with necessary skills and knowledge to take ownership of challenges using the OH approach (February 2022).

- Engaged in redesigning the One Health Field Experience to incorporate new ideas and address measures for sustainability of the program (March 2022).
- The draft OH policy brief developed in Year 2 was validated and approved for presentation to the government to inform policy (February 2022).
- Multidisciplinary pre-service and in-service professionals including faculty participated in an online training for frontline workers on digital communication tools and applications (August - September 2022).
- Built capacity of 29 participants from Siaya County in implementation and institutionalization of the OH approach at the sub-national level (March 2022).



KY 1: Eastern plateau forelands, located east of the Rift highlands, Kenya. Photo source: <https://www.britannica.com/place/Kenya>

ACTIVITIES



OBJECTIVE I

AFROHUN Kenya launched the MSc IDGH curriculum (KY Activity I.1.5) after a six year long journey that was officiated by the DVC of Moi University and attended by the OHW-NG consortium, AFROHUN network, Food and Agricultural Organization (FAO) Kenya, World Health Organization (WHO) Kenya, Global Health Security Agenda (GHS) partners and professional regulatory bodies among others. Three full scholarships were awarded for the program courtesy of Prof Mining, a faculty member from the Moi University School of Medicine, through the European Union (EU) funded Partnering for Health professional training in African universities (P4PHT-II) project.



KY 2: The chief guest, Sir Prof Ambrose Kiprop, DVC Moi University (7L), Principal College of Health Sciences-MU (6L), Dean School of Public Health-MU (5L), representatives from FVM(3R) and FHS(4R) UoN and other distinguished invited guests after the unveiling of the mockup and official launch of the MSc IDGH. Photo source: AFROHUN Kenya.



KY 3: The chief guest Sir Prof Ambrose Kiprop preparing to cut the ribbon for unveiling the mockup and official launch of the MSc IDGH. Photo source: AFROHUN Kenya.



KY 4: Prof M. Nangami, Dean, School of Public Health-Moi University, making her closing remarks following the official launch of the MSc IDGH. Photo source: AFROHUN Kenya.

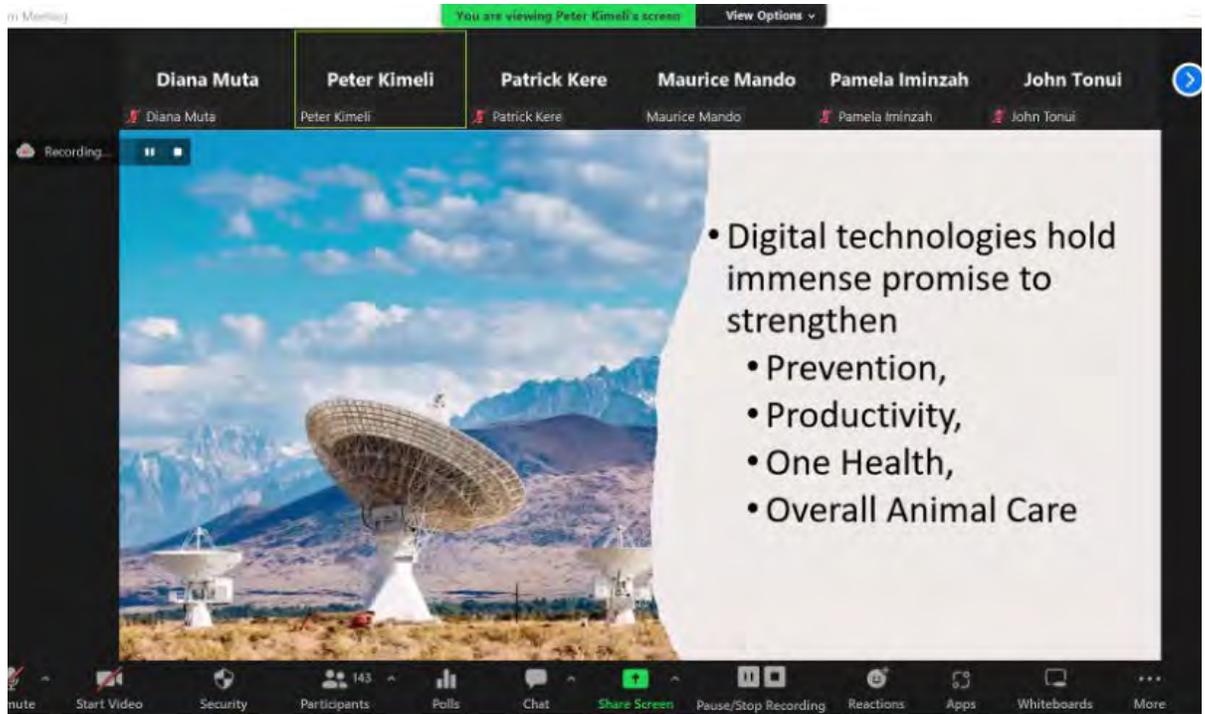
AFROHUN Kenya in collaboration with the American Society for Microbiology and the ECHO team, equipped approximately 192 multidisciplinary pre-service and in-service professionals, drawn from within and beyond Kenya, with appropriate skills and knowledge to address the complex AMR challenge (October-December 2021), and included case presentations, didactic sessions and plenary discussions. The AFROHUN Kenya team conducted a second ECHO series on food security and gender which attracted a total of 148 participants.

Under faculty mentorship, SOHIC members equipped 1,200 primary school children and 3,500 community members with information on OH topics including rabies, environmental management and conservation, waste management and segregation, and hand hygiene among others (KY Activity 1.2.5). Additionally, over 500 dogs and cats were vaccinated against rabies and 135 pets were surgically sterilized. Furthermore, a total of 55 SOHIC students participated in an outbreak simulation exercise and journal club activities which were coordinated in collaboration with Food and Agricultural Organization Emergency Centre for Transboundary Animal Diseases (FAO-ECTAD) Kenya team.

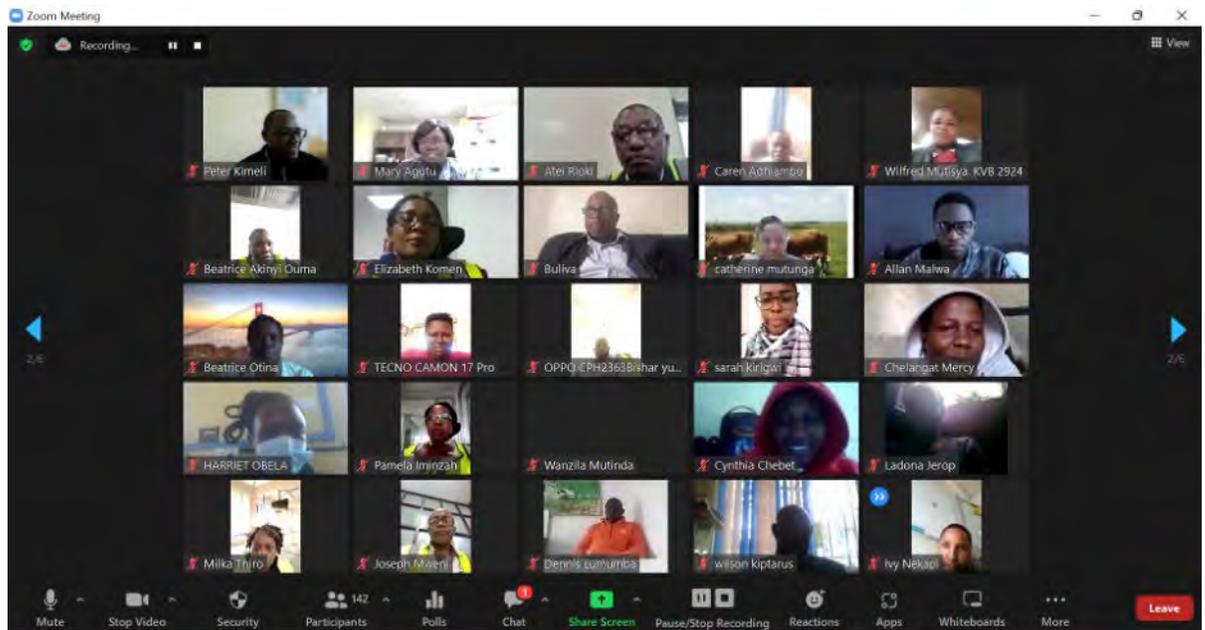
AFROHUN Kenya conducted a manuscript development workshop (KY Activity 1.2.6), where faculty generated eight manuscripts for submission to peer reviewed journals. In a bid to promote OH knowledge to non-traditional disciplines and to the community, 19 participants including ten primary school teachers, a Ministry of Education official, three community youth group members, a local administration chief and four members

of a local NGO learned about OH and were equipped with skills to share OH knowledge in their spaces and communities (KY Activity 1.3.4). AFROHUN Kenya also engaged five faculty from the two member Universities in updating the Kenya One Health Field Experience (KY Activity 1.4.2) to make it more robust, incorporate new ideas and address measures for sustainability of the program. This was done drawing lessons learnt over the last five years. GHSA partners from COREGroup, Kenya Red Cross Society and FAO joined the AFROHUN team in the activity, and met their costs for the event. Dr. Jennie Lane also joined the meeting, representing the OHW-NG global consortium.

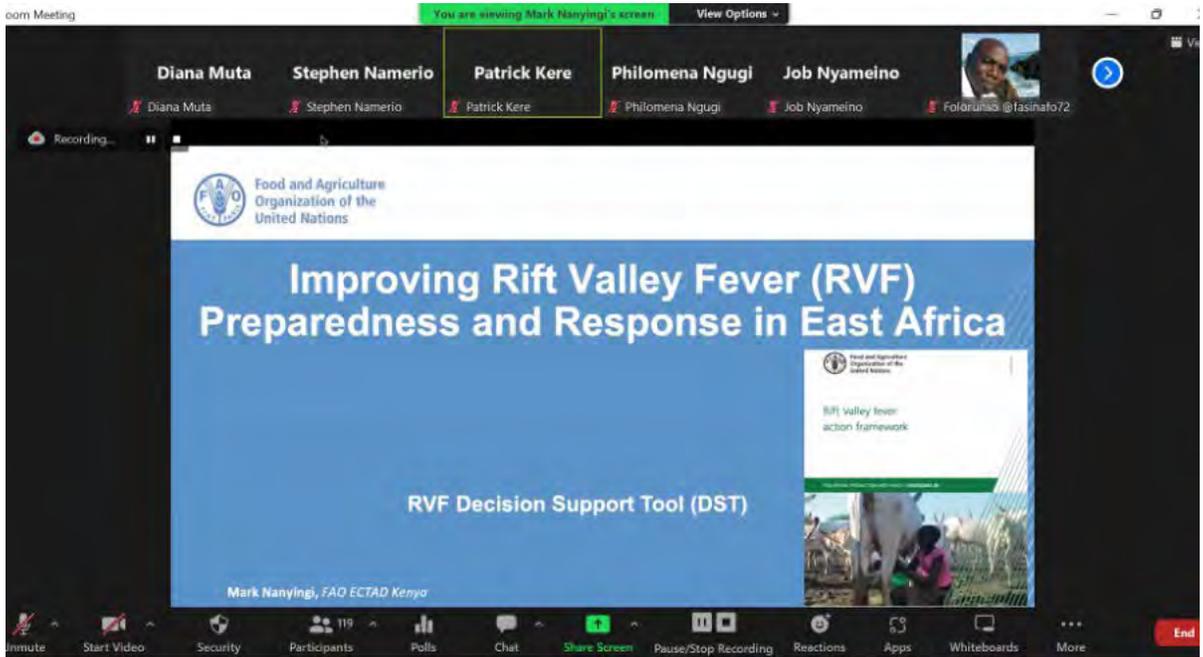
AFROHUN Kenya also sought to influence policy and engaged the national government and other stakeholders (KY Activity 1.5.3), who validated the OH Policy brief developed in Year 2, for submission to the government. Piloting of the short course for frontline workers developed in Year 2 was done (KY Activity 1.3.3) where, 402 multidisciplinary pre-service and in-service professionals including faculty were in attendance. The online training on digital communication tools and applications was accredited for Continuing Professional Development (CPD) by the Kenya Veterinary Board (19 CPD points), Environment Institute of Kenya (25 CPD points) and the Public Health Officers and Technicians Council. Majority of the participants (95.1%) indicated that the training was useful in providing information needed to effectively participate in digital communications for improved healthcare delivery.



KY 5: Presentation on Data Types, Sources and Animal Health Informatics, by Dr. Peter Kimeli (UoN-FVM), during the frontline workers training on Digital Communication Tools and Applications. Photo source: AFROHUN Kenya.

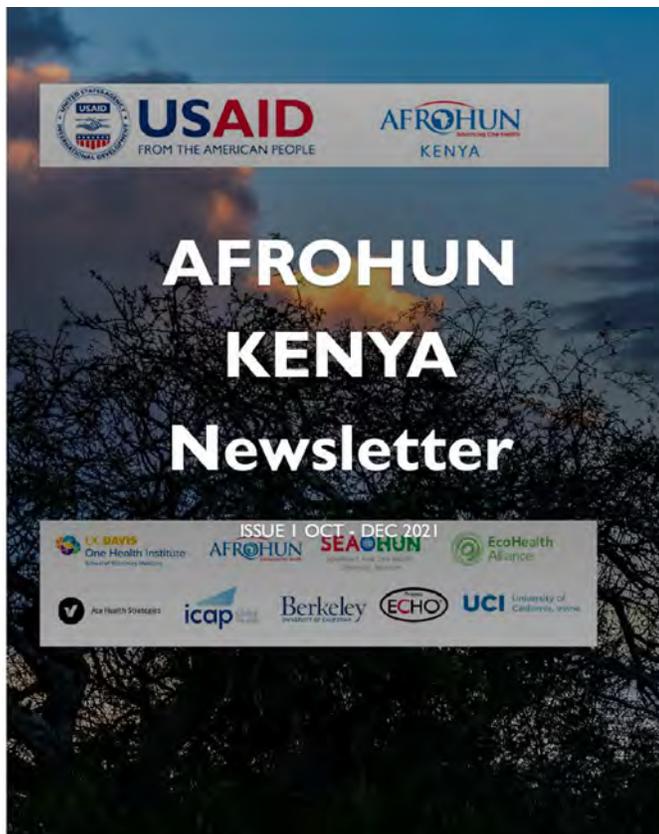


KY 6: Multidisciplinary participants during the frontline workers training on Digital Communication Tools and Applications. Kenya Veterinary Board (represented in the photo) supervised the training for award of CPD. Photo source: AFROHUN Kenya.



KY 7: Case Presentation on Rift Valley Fever Decision Support Tool by Dr. Mark Nanyingi (FAO ECTAD Kenya) showing practical application of Digital Communication Tools during the frontline workers training. Photo source: AFROHUN Kenya.

The development of a newsletter (KY Activity 1.2.7), was one of the channels AFROHUN Kenya aimed to utilize for information dissemination.



KY 8: First issue of the AFROHUN Kenya newsletter. Photo source: AFROHUN Kenya.



OBJECTIVE 2

Building on the collaboration initiated in Year 2, AFROHUN Kenya engaged in building the capacity of the County of Siaya OH (KY Activity 2.3.4) where 29 individuals from the Executive and Assembly Committees participated in a three-day training, officiated by the Clerk of the Assembly. This training was designed to help institutionalize a OH approach at the sub-national government level. The County co-sponsored the training, providing meeting allowances for the participants and contributing to transportation costs for AFROHUN Kenya students to attend an outreach activity at Jaramogi Oginga Odinga University of Science and Technology (JOOUST). In addition, an alumni engagement strategy was developed (KY Activity 2.1.7) building on the alumni tracking exercise conducted in Year 2. The strategy will guide the development of robust alumni engagements with AFROHUN Kenya.



OBJECTIVE 3

AFROHUN Kenya developed stakeholder profiles and a partnering agreement template that will be used to engage partners and promote organizational and network strengthening (KY Activity 3.3.3). AFROHUN Kenya engaged with the Animal Health Technicians and Technologists Association of Kenya (AHTTAK) and identified areas of collaboration including capacity building of veterinary paraprofessionals, to create a future generation workforce that is able to respond to emerging complex health challenges. One of the areas identified by AHTTAK for collaboration with AFROHUN Kenya was on digital skills for veterinary professionals, from which their members were invited to an online training on digital communication tools and applications, thereby contributing to the achievements realized. Research on OH was identified as a priority (KY 3.2.3). All these documents are expected to be living documents that will be updated regularly and implemented as per partner engagements. Quarterly performance review meetings were held and the Year 4 work plan was also developed (KY Activities 3.2.4 and 3.2.5).



LESSONS LEARNED

Maximizing Impact: Stakeholder Mapping and Synergy

As part of its strategic direction, AFROHUN seeks to leverage partnerships in response to complex OH challenges. To effectively venture into this new space, AFROHUN Kenya sought out a partner with more experience working in and promoting initiatives within primary education. Farming Systems Kenya (FSK), led by their executive director, collaborated in the planning of the scheduled training and introduced AFROHUN Kenya to its network. This new partnership resulted in a successful event, where ten primary school teachers, a Ministry of Education official, three community youth group members, a local administration chief and four members of FSK learned about OH. Within a couple of weeks, the participants reached out to more members in their spaces and the communities as they committed to sharing their achievements through a communication platform established at the training. We have learned the importance of stakeholder mapping and engagement for OH impact.

Carving out a niche: demand meets supply

In Year 1, AFROHUN Kenya set out to determine the unmet needs of frontline workers for effective pandemic preparedness and response. One of the areas that was highlighted during the training needs assessment was the use of digital tools and applications. A short course with four modules was later developed in Year 2 and piloted in Year 3. There was overwhelming response to the pilot phase of the course, which was CPD accredited by three professional bodies, and which focused on digital communication tools and applications. The majority of the 402 multidisciplinary frontline workers, faculty and final year students in attendance were in agreement that the training was timely, useful and served to create new awareness in them. Participants appreciated the case studies presented, in addition to general acknowledgements of what other disciplines were doing in the digital space. With the pilot phase of implementation of the short course done, the experience and lessons learned will inform future front line worker trainings.



NEXT STEPS

Following the development of manuscripts, AFROHUN Kenya together with the faculty, will identify potential journals and submit the manuscripts for publication to showcase impact and improve visibility. AFROHUN Kenya will build on the alumni engagement strategy developed in the first half of Year 3, exploring areas of implementation that are low resource and/or not capital intensive. This will promote the involvement of alumni in activities, enhance brand visibility, foster communities of practice and increase sustainability of programs.

AFROHUN Kenya also plans to utilize the partnering agreement template developed in Year 3, and will intentionally seek to engage partners in mutually beneficial relationships. This will further contribute to organizational and network strengthening.

Using the already developed platforms and resources, AFROHUN Kenya will continue capacity building efforts for multidisciplinary pre-service and in-service professionals.



KENYA

ONE HEALTH CHAMPION



TEQUIERO ABUOM OKUMU

Job Title

Veterinarian

Professional Credentials

BVM, MSc, PhD

Role within the OHW-NG Project

Thematic Lead for Curriculum, course strengthening, program development & delivery

Affiliation

University of Nairobi, Faculty of Veterinary Medicine



“Knowledge is a garden; a self-sustaining system that thrives depending on how it is nurtured.”



Individual's Impact

As the thematic workstream lead, Dr. Abuom successfully led and coordinated the launch of the AFROHUN Kenya One Health ECHO series, a first of its kind within the country and the region.

The first series focused on AMR and OH, ran over eight sessions from July 2021 to December 2021 and had 308 participants in attendance. This series was also accredited for Continuous Professional Development (CPD) points by the Environment Institute of Kenya (EIK), who awarded 5CPD points per session.

Dr. Abuom actively participated in the preparation and delivery of case presentations which were critical for session discussions.

KY 9: Kenya's OH Champion - Tequiero Abuom Okumu. Photo source: AFROHUN Kenya.

SUCCESS STORY



SUCCESS STORIES

The Elite Athlete Mindset: The Discipline to Get it Done

The mood was celebratory, the ambience set, the tape ready, and the atmosphere was expectant with anticipation. This scene was reminiscent of when the elite athlete Eliud Kipchoge, from Uasin Gishu County, Kenya, broke his own marathon record by running under two hours at the 2022 Berlin Marathon. However, this was the setting of the launch of the MSc Infectious Disease and Global Health (IDGH) by Moi University, which was done on 29th September 2022, at the Eka Hotel, Eldoret, in Uasin Gishu County.

This concluded an exercise whose journey began under USAID funded One Health Workforce project support and the stewardship of AFROHUN Kenya team, previously One Health Central and Eastern Africa Kenya.

After inception in 2016, University of Nairobi and Moi University jointly developed the MSc IDGH program, that is unique in Kenya and beyond. The process involved conducting a needs assessment, benchmarking both regionally and internationally, stakeholder workshops and the Universities and Commission of University Education (CUE) approval processes.

Various literature suggests that a winning mindset, the mindset of an elite athlete, possesses certain characteristics including persistence, patience, and optimism, tightly knit in discipline. It took these and a whole lot more to overcome the challenges and obstacles that lay in the path of the MSc IDGH launch.

Over seventy invited guests who joined physically and online witnessed the celebration. The Moi University Deputy Vice Chancellor (DVC), Sir Prof. Ambrose Kiprop, representing the Vice Chancellor graced the event. Other representation recorded include USAID, OHW-NG Consortium, AFROHUN network, Government of Kenya, University of Nairobi, Food and Agriculture Organization (FAO) Kenya, World Health Organization (WHO) Kenya, COREGroup, Kenya Red Cross Society (KRCS), Institute of Primate Research (IPR) - the Smithsonian Institute, professional regulatory bodies including Public Health Officers and Technicians Council, Kenya Wildlife Services, Africa Population and Health Research Center, AFROHUN Kenya Student One Health Innovation Club members and alumni among others.

The program received three fully funded scholarships for students, courtesy of Prof. Simeon Mining of Moi University School of Medicine, through the EU funded Partnering for Health professional training in African universities (P4PHT-II) project.

The conference room burst out in celebration minutes after 5pm EAT, when the ceremonial tape revealing the curriculum mock-up was cut by the DVC, marking the official launch of the program. Participants agreed that this was a memorable event that ushered in a timely curriculum and program.

“The program has come at the right time, considering the fact that the world currently faces a lot of challenges with pandemics. I think this program is timely, very very timely,” **Dr. Carol Sawe**, department of Human Nutrition, Moi University.

“It is a good and timely investment in human capital development. In the context of global interconnectedness, the epidemiological transition, marked for Africa by the double burden of communicable and non-communicable diseases, and the global devastation of the COVID-19 pandemic, Kenya, and indeed the world needs this graduate programme.” **Professor Blessing Mberu**, Head of Population Dynamics and Urbanization, African Population and Health Research Center, Nairobi, Kenya.



KY 10: Group photo of the chief guest with the principal College of Health Sciences-MU, Dean, School of Public Health-MU, representatives from FVM and FHS-UoN, AFROHUN Kenya County office team, and the CoD and faculty of the department of Epidemiology and Biostatistics, SPH, MU where the MSc IDGH will be housed. Photo source: AFROHUN Kenya.

Photo Collage

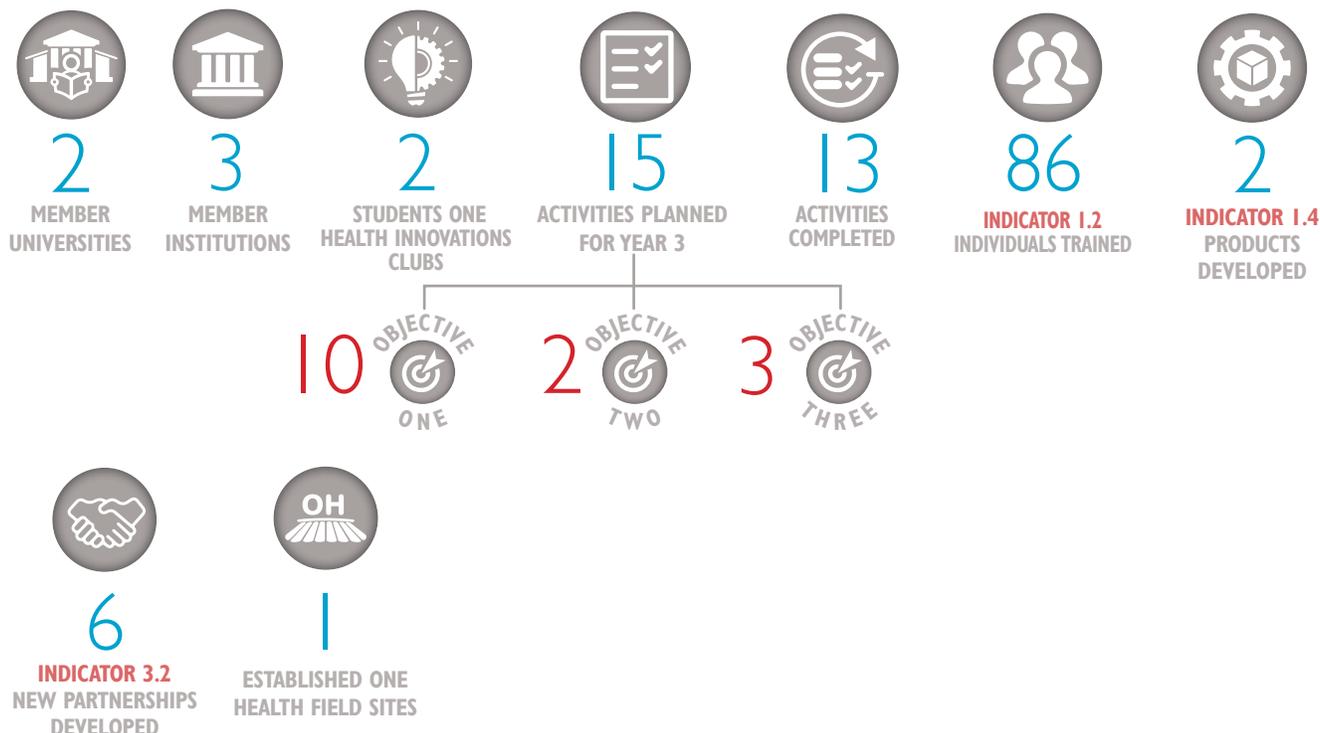
Official launch of MSc Infectious disease and Global Health Academic Program. Photos source: AFROHUN Kenya.



RWANDA



Dashboard Overview of Year 3



HIGHLIGHTS

- ➔ Ten faculty from University of Rwanda (UR) and University of Global Health Equity (UGHE) participated in a cross country grant writing training (May - June 2022).
- ➔ Trained 40 Student One Health Innovations Club (SOHIC) members during the One Health (OH) Field Experiential Learning (FEL) to identify existing OH challenges (June 2022).
- ➔ Held a mini conference after the OH FEL that attracted more than 100 university students and faculty (August 2022).
- ➔ Organized a national Global Health Case Competition (GHCC) as a means to train students on critical thinking, disease epidemiology, and other disease dynamics (February 2022).

ACTIVITIES



OBJECTIVE I

To strengthen capacity for grant writing, ten faculty from UR and UGHE and members from four AFROHUN member countries (Kenya, Ethiopia, Senegal and Rwanda) participated in a training with technical support from the Global and local expert teams (RW Activity 1.2.4). The training aimed at improving the grant writing skills of the team and provided an opportunity to create cross country writing teams that would collaborate and develop joint grant proposals.

Using a multidisciplinary approach, 40 students participated in FEL in Kayonza District. This site was chosen because it is one of the established demonstration site, and is an arid place with severe water shortage. The challenges identified included tsetse fly infestation, and rift valley fever as well as lack of protective gear for the miners in the area. Students identified and reported on health issues, prioritized the challenges together with community members and developed interventions using locally available resources (RW Activity 1.4.3). Interventions included designing information posters and disseminating this information at the district in collaboration with the health promotion and disease prevention officer. The participation of the district official in this activity provided an opportunity for partnership between the universities and local government. Reports and posters were developed by students and faculty mentors as a result of this activity.



RW 1: Students constructing shelters for child headed families in the community. Photo Source: AFROHUN Rwanda.



RW 2: Students sensitizing cattle farmers about Rift Valley Fever during the field Experiential learning. Photo Source: AFROHUN Rwanda.



RW 3: Students taking part in vaccinating animals against Rift Valley Fever. Photo Source: AFROHUN Rwanda.

A one-day mini conference (RW Activity 1.4.4) following a field experiential learning activity was held in August 2022 attracting over 100 university students and faculty. Students shared their experiences, OH cases scenarios observed and suggested interventions. In addition, panel discussions were organized under three themes: “Advancing the OH Response to Antimicrobial Resistance (AMR)”; “Zoonotic Disease Surveillance and Control using the OH Approach”, and “The Role of pre-service (students) and in-service workforce (employed) in OH”. The discussions were an additional opportunity to raise student awareness about OH challenges, the need for multidisciplinary and collaborative effort and the capacity needed to effectively respond to OH challenges.



RW 4: Students' community participating at the mini conference. Photo Source: AFROHUN Rwanda.



RW 5: Panelists at the mini conference. Photo Source: AFROHUN Rwanda.

A national GHCC was organized by AFROHUN Rwanda (RW Activity 1.4.5) and used to train students on critical thinking, disease epidemiology, and other disease dynamics. AFROHUN Rwanda assigned university teams to compete among themselves through debates and determine the winning team at each University campus. The winning team from each campus then competed at the national level to determine the overall winner. Final competitions were presided over by a team of adjudicators from the Ministry of Health and from the National Drug and Food Authority.

AFROHUN Rwanda continued to support national efforts in the fight against COVID-19 in the community (RW Activity 1.5.4) and provided an opportunity for students to practice Risk Communication and Community Engagement (RCCE) regarding zoonotic threats. Six teams of SOHIC members engaged communities around their respective campuses for a period of two days, equipping them with knowledge about the pandemic, and how to avoid infection and spread of the virus. Social distancing, personal hygiene and behavior change were among the topics discussed with community members. One of the major challenges the students faced in their campaign was countering the belief among less educated community members that the pandemic is a disease of the affluent only, or that youth have total immunity to the disease. An estimated 1,800 people were reached through these community engagement activities.



RW 6: SOHIC members taking part in COVID-19 awareness in Huye 2 community. Photo Source: AFROHUN Rwanda.



OBJECTIVE 2

AFROHUN Rwanda supported the regulatory councils, namely, the Medical and Dental Council, National Council of Nurses and Midwives, Allied Health Professional Council, National Pharmacy Council and the Rwanda Council of Veterinary Doctors, to strengthen Continuous Professional Development (CPD) Curricula (RW Activity 2.3.4) through identifying and documenting gaps in the curricula on OH competencies. A total of 19 participants were trained in OH competencies in March 2022. A post training survey showed that of all the modules taught, principles and concepts of OH was the most prioritized by the participants. AFROHUN was requested by the regulatory councils to apply for accreditation as a CPD provider, thus opening the door to strengthening and

concretizing partnerships, and potentially creating an opportunity for revenue generation for AFROHUN Rwanda in future.

AFROHUN Rwanda organized a one-day workshop (RW Activity 2.1.7) in Kigali for UR alumni to share a proposed alumni engagement framework, update the SOHIC alumni database, initiate discussions around creating an alumni association for continuity, and discuss mentorship opportunities for continuing SOHIC members. The 20 participants that attended held discussions around establishment and functionality of a SOHIC Alumni association. A caretaker management committee was elected to spearhead establishment of this association, plan alumni meetings and agree mentorship modalities.



OBJECTIVE 3

AFROHUN Rwanda management team and the Dean of UR participated in a stakeholder meeting organized by Ministry of Health (May 2022). The meeting was aimed at reviewing the Prime Minister's instructions on establishing OH Multisectoral Coordination Mechanism and determining its mission, organization and functioning. The platform had not been functional for a long time due to lack of a legal instrument establishing it. This meeting was therefore a stepping stone for operationalization of the platform.

Additionally, AFROHUN Rwanda developed partnership with Kitabi Integrated Regional Polytechnic Center, a regional center of the Rwanda Polytechnic which offers courses that are important to OH e.g. Forest and Environment Resource Management and Tourism. Through the existing AFROHUN mechanism of setting up SOHICs, a OH student club was established in the institution that is aimed at building capacity of the future OH workforce. Under this arrangement, registered SOHIC members benefit from OH field experiential learnings, OH trainings, outreach activities and wider networking facilities. Plans to strengthen this collaboration in other fields of mutual interest as may be identified are underway.



LESSONS LEARNED

The Value of Partnerships in Field Experiential Learning Activities

AFROHUN Rwanda's implementation of FEL and involvement of district personnel have demonstrated the added value of partnerships with government officials. AFROHUN Rwanda involved district health officers in mobilizing the community, facilitating interactions between students and farmers, or providing information and data on prevailing animal and human diseases among other services. The district staff's involvement and facilitation of student activities in the field made the community entry and learning process easy and more productive. In addition,

intentional involvement of the district personnel provided a link between decision-makers at district level and the students, which helped students advance their recommendations.

Partnerships for CPD development Enhances Visibility

The second lesson learnt in partnership was our involvement with Professional Councils CPD programs, through which AFROHUN Rwanda hopes to gain a new status as CPD provider. This is a direct way for AFROHUN to advance the OH agenda and to generate some revenue for some of its programs.



NEXT STEPS

AFROHUN Rwanda will actively continue to engage with the professional councils to collaboratively develop a robust CPD training program that includes OH competencies. We will also develop a training of trainers (TOT) program for in-service professionals to strengthen the councils training capacity moving forward.





RWANDA

ONE HEALTH CHAMPION



DR EMMANUEL IRIMASO

Job Title

Head of Department Veterinary Medicine

Professional Credentials

Veterinarian

Role within the OHW-NG Project

SOHIC mentor and Activity Lead for One Health FEL and Infectious Disease Management activities.

Affiliation

University of Rwanda



“Being healthy and safe requires every discipline’s contribution. I like the One Health approach because it is everyone’s call to address complex problems”



Individual's Impact

Over the years, Dr Irimaso has shown great passion for OH and keen interest in transmitting the same passion to SOHICs through OH related activities. He regularly initiates and takes lead in students’ OH mentorship. Some specific examples include coaching the winner of the 2022 edition of the Country Global Health Case Competition. He regularly organizes and facilitates students OH Field Experiential Learning at demonstration sites, leads

the development of OH case studies and facilitates students to analyze such case scenarios using the OH approach. Dr Irimaso has also been trained in and is conversant with CEB. All the above examples and much more make him an all-round OH Champion, an important attribute in the development of Rwandan OHW-NG professionals.

RW 7: Rwanda's OH Champion - Emmanuel Irimaso. Photo source: AFROHUN Rwanda.

SUCCESS STORY



SUCCESS STORIES

Student's Experience in the Demonstration Site Field Experiential Learning

Sandra Makaka, a third-year student of Environmental Studies at the UR was among the lucky students who joined the Year 3 Field Experiential Learning (FEL). The program offers multidisciplinary students the chance to uncover health issues in a specific region in Rwanda. This year, the activity took place in Rwinkwavu where students learned about waterborne diseases and human-animal interaction through water sources, and interacted with the general community, farmers, and their animals. The site is also close to the Akagera National Park making it an excellent study point for ecosystem and wildlife.

As an Environmental Science student, Sandra learnt how to apply OH concepts in her area of practice. She identified health issues in collaboration with the community and fellow students as part of a learning process. The first lesson Sandra learned from the field experience was that cooperation and teamwork yielded the best community health solutions. Sandra improved her problem-solving skills and understood the importance of communicating with the community.

"Participation in the demo site activity improved my appreciation of the One Health concept through interaction with multidisciplinary colleagues. I was also able to actively engage in disease outbreak responses," **Sandra, an Environmental Science student at University of Rwanda.**

Together with her fellow students, Ms. Sandra raised awareness about the danger of waterborne diseases, encouraging the community to find a more viable alternative source of drinking water. Additionally, Sandra had the opportunity to immunize cattle and goats against Rift Valley Fever and, educate the community about the prevention and control of the disease.

Additionally, Sandra and her fellow students also had an opportunity to forge strong friendship with farmers and provided them with tsetse fly traps to help fight the flies that are vectors to Trypanosomiasis, a chronic disease among the farmers' cattle.

"Getting rid of tsetse fly will increase our milk production and improve the health of our cows. Although not all farmers got traps, we are happy with the students' voluntary initiative to provide us with traps." **Jackline, a farmer in Kagyeyo area bordering Akagera National Park**



RW 8: Students setting up and demonstrating the functioning of tsetse traps. These traps were donated by students to farmers. Photo Source: AFROHUN Rwanda.

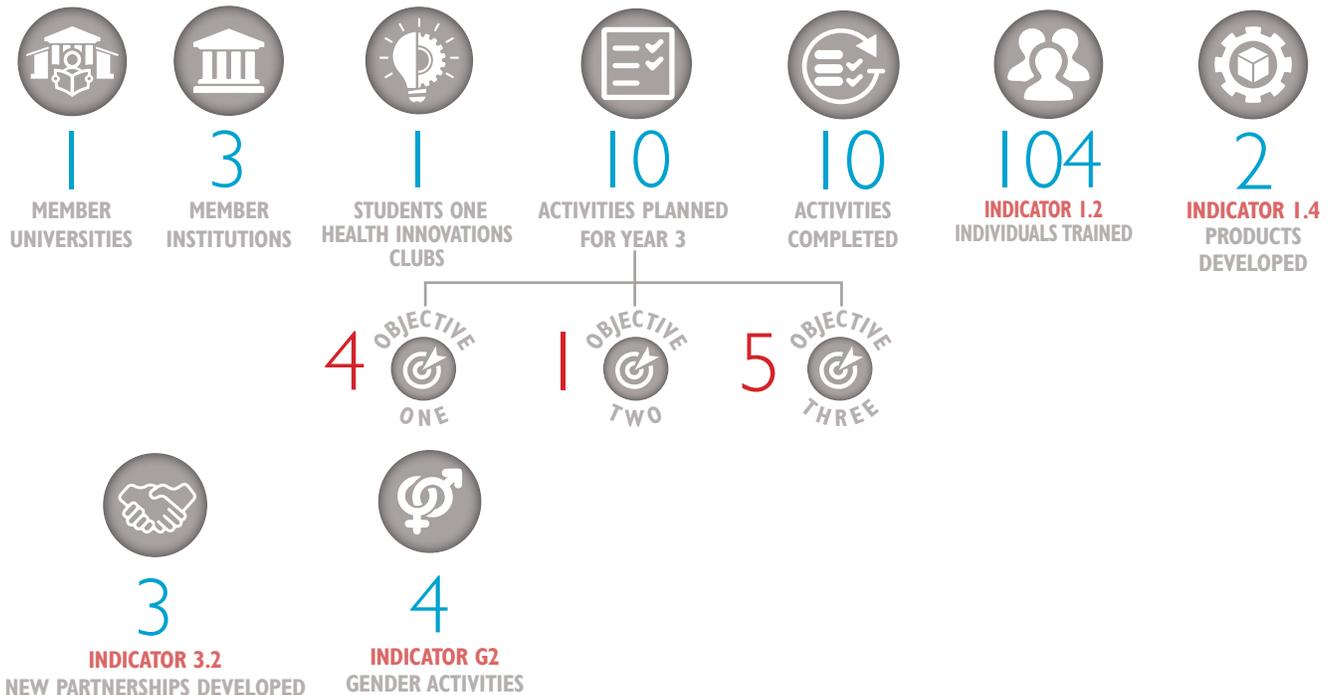


RW 9: Ndambarare Waterfall, Nyungwe National Park, Rwanda. Photo source: <https://bit.ly/3uZTwGn>

SENEGAL



Dashboard Overview of Year 3



HIGHLIGHTS

- Trained 66 Student One Health Innovations Club (SOHIC) members from 6 public Universities on Risk Communication, thereby enhancing the effectiveness of club activities, as well as their professional knowledge (March 2022).
- Provided an online training to 12 small grants recipients and 6 scholarship beneficiaries on multidisciplinary research, scientific writing and policy-brief & fact-sheet development (April 2022).
- Identified Field Experiential Learning (FEL) sites following two experience-sharing meetings held with support of the Global Consortium (Rx OH Program) and AFROHUN Kenya (July 2022).
- Conducted an alumni tracking activity that attracted 88 alumni respondents, of which 75 (85%) indicated that the trainings offered were beneficial (September 2022).
- Conducted a cross country grant writing training together with AFROHUN Ethiopia, Kenya, and Rwanda that benefited 17 faculty from Senegal (January - June 2022).
- Submitted a concept to the World Health Organization/ Research and Training in Tropical Diseases (WHO/TDR) program for funding (July 2022).

ACTIVITIES



OBJECTIVE I

Training and research are a high priority for AFROHUN Senegal. In Year 3, AFROHUN Senegal awarded six scholarships to four Masters and two PhD students. In addition, two small grants were awarded to two multidisciplinary teams comprised of 12 recipients, to conduct research using a collaborative approach. To enable the small grants and scholarship recipients become more efficient, three trainings were organized that focused on methods for multidisciplinary research, scientific writing and policy-brief and fact-sheet

development.

AFROHUN Senegal, with support of the Global Consortium (Rx OH Program) and AFROHUN Kenya organized two experience-sharing meetings, during which the Rx OH and the AFROHUN Kenya teams oriented Senegal on the key steps of the experiential learning training, objectives and activities, as well as tips for success. AFROHUN Senegal was able to identify sites for experiential learning and field visits were conducted in July 2022.



SN 1: Identification of field experiential learning sites: Eco guard explaining the issue of marine erosion at Park National de la Langue de Barbarie. Photo Source: AFROHUN Senegal.



SN 2: Identification of field experiential learning sites: Actions initiated around the Gueumbeul wildlife reserve against plastic pollution. Photo Source: AFROHUN Senegal.



SN 3: Identification of field experiential learning sites: Meeting with the women community leader in a village close to the Gueumbeul wildlife reserve. Photo Source: AFROHUN Senegal.

SOHICs contribute to preparing students to better facilitate implementation of One Health (OH) activities that impact their communities. In Year 3, AFROHUN Senegal, in collaboration with Breakthrough Action (BA) and Service National de l'Education pour la Santé (SNEIPS), trained 66 students from six Senegalese public universities on risk Communication. This training was conducted online to allow participants from multiple universities to participate. This training focused on fundamentals of risk communication, internal communication, transboundary communication, importance of gender, culture and ethics in communication, rumor management, and principles for emergency intervention planification during outbreaks.



OBJECTIVE 2

Since 2016, AFROHUN Senegal has been conducting trainings, providing scholarships and small grants to various beneficiaries. In order to assess the impact over the years, alumni tracking was conducted in Year 3. An online survey was conducted among all the alumni. A total of 88 alumni responded to the questionnaire, among whom 33% of the respondents were female. Overall, 75 (85%) indicated that the trainings offered by AFROHUN were helpful in their career. Development of Knowledge Management (KM) products from these activities will be finalized in Year 4.



OBJECTIVE 3

AFROHUN Senegal, in collaboration with other country chapters (Ethiopia, Kenya and Rwanda) organized cross-country grant writing training which involved 7 faculty. Among those who benefited from the training, six faculty were involved in a bi-modal workshop where a concept note was developed and submitted for funding.

AFROHUN Senegal also engaged chapter members in writing a paper for publication. The paper was developed from results of the Continuous Professional Development (CPD) conducted in Year 2 (SN activity I 17) and is under review at Elsevier Journal (Science in One Health).



LESSONS LEARNED

Online training for SOHICs on risk communication (SN Activity 127) and grant writing workshops (SN Activity 323) allowed AFROHUN Senegal to reach a large audience from different disciplines and locations/countries.

The trainings covered;

- i) fundamentals of grants writing
- ii) context and justification of a grant
- iii) grant objectives and activities, and
- iv) proposal finalization and submission.



NEXT STEPS

AFROHUN Senegal will continue to design and implement FEL activities and refine priority research areas in collaboration with the global consortium.





SENEGAL

ONE HEALTH CHAMPION



FATIMATA NIANG-DIOP

Job Title

Lecturer of Biodiversity

Professional Credentials

Doctorate in Environmental Sciences

Role within the OHW-NG Project

Thematic Lead: Scholarships, Grant awards & Research

Affiliation

Institute of Environmental Sciences, Faculty of Sciences and Technics, Cheikh Anta Diop University of Dakar, Senegal.

“I am optimistic that the One Health approach will continue to increase but, my biggest concern is that most projects are short-term, while research questions require long-term efforts to solve them.”



“Ecosystems have degraded dramatically and [this trend] is likely to continue. We need to understand what changes are occurring and how those influence health risks. So, my hope is to build leadership and creating incentives and resources to continue fostering the development of research in ecosystem health.”



Individual's Impact

Dr. Fatimata Niang-Diop is a lecturer at the Institute of Environmental Sciences focusing mainly on biodiversity and is very active in all AFROHUN related activities. She was a focal point during the One Health Workforce project and is a Thematic Lead under the One Health Workforce-Next Generation project. She puts substantial effort into helping students and early career researchers envision research activities, encouraging them to operationalize collaboration and

multidisciplinary research. Dr. Niang-Diop is also working with AFROHUN Senegal to obtain additional resources to sustain research activities. Her involvement is very valuable at national level where she leads small awards and scholarships activities as well as at regional level (AFROHUN network) where she is the co-chair of the Research Technical Working Group and provides strategic direction and technical advice.

SN 4: Senegal's OH Champion - Fatimata Niang-Diop. Photo Source: AFROHUN Senegal.

SUCCESS STORY



Strengthening capacity of Senegalese early career researchers in One Health research through small grants program

AFROHUN Senegal provides small grants to early career teams of researchers on annual basis. This support framework is a boon to young researchers given the limited financial resources for research in Senegal. During the grant program, recipients undergo trainings on multidisciplinary research methodology and scientific writing to strengthen their skills in OH approach and to allow the research teams successfully complete their research projects. Mr. Mouhamadou Moustapha SOW was one of the OHW-NG project small grants program beneficiaries under the second cohort. Currently, this young researcher, is a PhD student who is applying the skills he gained from the grants program to carry out his duties in a Antimicrobial resistance (AMR) project under the National Institute of Agricultural Research.

“Small grants were the trigger for an awareness of the role that we must play as students wishing to continue in research in order to provide solutions to the problems of zoonoses and AMR. Currently I have started my PhD and intend to capitalize the skills received during the research trainings from AFROHUN Senegal to carry out my work,” declared **Mouhamadou Moustapha SOW, PhD student at Université Gaston Berger (UGB).**

Mr. Sow and his research team worked on the research topic ‘Analysis of the risk of dissemination of Avian Flu in Senegal’. He appreciated the opportunity which allowed him to participate in conducting studies that address complex public health threats using a OH approach and to collaborate with different disciplines.

“This initiative of AFROHUN Senegal is an opportunity for us young researchers, which allows us to work on OH related public health issues within multidisciplinary research teams in order to propose sustainable solutions,” **Mouhamadou Moustapha SOW, PhD student at UGB.**



SN 5: Mr. Sow conducting a Knowledge, Attitudes and Practices survey under the 2021 small grants program. Photo Source: AFROHUN Senegal.

Following the successful completion of the research taken under the small grant award, Mr. Sow and team had a chance to share their project results during the 2022 national OH platform Research and Development workshop that focused on zoonotic diseases and AMR. The team also developed a draft article that is awaiting submission to a peer reviewed journal.

“My team and I were able to produce an article, which is not yet published; but we hope it will be the case soon,” **Mouhamadou Moustapha SOW**, PhD student at UGB.

These small grants program impacted the career pathway of Mr. Sow and seven other early career researchers by creating collaboration opportunities for them



SN 6: Boabab trees silhouetted against the setting sun, Senegal. Photo Source: <https://www.radiopopolare.it/il-baobab-albero-simbolo-del-senegal/>

TANZANIA



Dashboard Overview of Year 3



HIGHLIGHTS

- Nineteen (19) participants from colleges under the Ministry of Health and the National Council for Technical Education (NACTE) the regulatory body for curricula, developed the One Health (OH) integrated curricula for three diploma and certificate levels (November 2021).
- Built capacity of 28 tutors from 14 diploma and certificate level institutions on how to deliver OH integrated curricula (February 2022).
- Integrated OH content into National Technical Awards (NTA) levels 4, 5 and 6 curricula of Clinical Medicine, Nursing and Midwifery; Environmental Health and Medical Laboratory in collaboration with the Ministry of Health (MOH) in order to facilitate approval by the National Council for Technical Education (NACTE) (August 2022).
- Trained 20 professionals in both public and private institutions using a OH Continuous Professional Development (CPD) course curriculum jointly developed by the AFROHUN Tanzania and the professional councils. This was conducted as a pilot to kick start future CPD trainings under accredited universities as providers (March 2022).
- Supported 9 professionals to attend a fee-based OH CPD course which was organized by Muhimbili University of Health and Allied Sciences (MUHAS). (September 2022).

ACTIVITIES



OBJECTIVE I

AFROHUN Tanzania held a workshop in Bagamoyo to integrate OH content into the diploma and certificate training programs curricula (Activity TZ 1.1.6). This activity focused on newly identified diploma programs that were left out during the initial phase of content integration. OH content was incorporated into the diploma and certificate level curricula for Clinical Dentistry programs as well as the revised format of the Environmental Health and Medical Laboratory Certificate and Diploma curricula. The five-day workshop involved 19 participants; eight from diploma and certificate colleges, two participants from MOH, one participant from NACTE, three facilitators from MUHAS and two from Sokoine University of Agriculture (SUA), one Activity Lead, and two administrators. Participants were tasked with integrating the OH content into their curricula. The product of this activity was a draft curricula at the diploma and certificate levels for the three programs. The drafts were then submitted to MOH for validation and subsequent

approval (November 2021).

In another activity, 28 diploma and certificate level tutors from 14 colleges were trained on OH approaches using OH materials which had been incorporated in the diploma and certificate level curricula. (Activity TZ 1.3.3). The four-day training of trainers (TOT) workshop was organized in Dodoma in December 2021 and two participants (one male and one female) were invited from each of the diploma and certificate training institutions to attend the workshop. The training was facilitated by seven experts from MUHAS and SUA. This activity allowed the 28 tutors to demonstrate their capacity in delivery of OH integrated curricula to students in their respective institutions. Since 2020, we have trained 60 (or about 86%) of existing colleges. In the near future, we aim at covering 100% of the colleges with at least two faculty/staff trained. Teaching OH in these colleges is expected to be routine when the integrated curriculum is approved and rolled out nationally.



TZ 1: Participants pose for a group photo during the training on Developing capacity of faculty to deliver OH integrated curricula. Photo Source: AFROHUN Tanzania.



TZ 2: Workshop participants listening to a presentation. Photo Source: AFROHUN Tanzania.

Management and Development for Health (MDH) provided support for the integration of OH content into NTA levels 4, 5 and 6 curricula of Clinical Medicine, Nursing and Midwifery; Environmental Health and Medical Laboratory in collaboration with the MOH in order to facilitate approval by NACTE (August 2022). This activity was attended by 15 participants from the MOH and six facilitators. These curricula will be validated by NACTE and approved by the MOH for national rollout.

AFROHUN Tanzania made a showcase presentation about its flagship activity on Student Service and Learning Model (SSLM) to create awareness. The model is designed to engage students in mass dog vaccination campaigns in Tanzania to help meet the Global Rabies Elimination Goal by 2030. This model is expected to support rabies elimination activities in Tanzania.



OBJECTIVE 2

AFROHUN Tanzania piloted the OH training CPD course among in-service personnel at district level and members of professional councils (Activity TZ 2.3.4). The workshop attracted a total of 20 participants and covered OH competencies that included: leadership, emerging and re-emerging pandemic threats, Antimicrobial resistance (AMR), overview of OH concepts and practices, systems thinking and OH, team building and conflict management and resolution in OH, risk assessment, communication and management, disaster preparedness and response, structure of the OH coordination desk and role of stakeholders and field visits. It is expected to run on a yearly basis by the two partner universities which have been accredited to run it for the next ten years. Furthermore, the course will constitute an income generating aspect for the accredited universities. This activity will have a significant impact when more professionals enroll and obtain credit points for their licensure.

Following the successful pilot, AFROHUN Tanzania with support from AFROHUN

secretariat conducted a fee based OH CPD course. The five-day stand-alone short course which was advertised online and directly to professional councils for one month, covered important OH competencies, including leadership skills, emerging and re-emerging infectious diseases and AMR among others. Organized by MUHAS, it attracted nine multidisciplinary in-service professionals. The course enabled the professionals to gain CPD credits for licensure. AFROHUN Tanzania plans to use these professionals as ambassadors for future calls for the course. Additionally, two participants from Rwanda Council of Veterinary Doctors and faculty from University of Rwanda also attended the course to observe and learn from members of professional councils in Tanzania about the process of involving councils in establishing OH CPD courses to enable them to run a similar course in Rwanda. Therefore, this course will be used as a model and the lessons learned from the process shall inform future CPD courses including its replication in other AFROHUN countries starting with Rwanda.



OBJECTIVE 3

Thirty AFROHUN Tanzania stakeholders engaged in quarterly performance review meetings. The reviews evaluated performance during year 3 including flagship activities, the thematic workstream approach and adherence to the activity implementation schedule. The same stakeholders were also engaged during the Year 4 work planning meetings that supported the development of the AFROHUN Tanzania Year 4 work plan

The Country Manager attended various stakeholder meetings during Year 3 (Activity TZ 3.2.3). The monthly GHSA partner and other national level meetings included the following:

- Refinement of the OH Strategic Plan for 2021-2026 for Tanzania mainland. This meeting was attended by more than 30 participants who developed a plan currently awaiting approval.
- National validation meeting to align the National OH Strategy with that of the East African Community (November 2021).
- Launch of the Brucella Study for Tanzania and Rwanda (BRU-STAR), where the two countries will collaborate in studies to estimate the prevalence and map the distribution and molecular epidemiology of Brucella strains circulating in humans and animals in Tanzania and Rwanda (December 2021).
- An expert meeting to pilot the OH Monitoring Tool (OHMT) in Tanzania to assess progress made so far. Meeting attendees conducted a preliminary country assessment and collected information from relevant sectors and disciplines at all levels of OH implementation.
- Meeting with the technical working group (TWG) on International Health Regulations (IHR) to assess progress in its implementation.
- Global Health Security Agenda (GHSA) partner meetings where updates on project activities and lessons learned were shared. Quarterly status reports/minutes that highlight partners' activities success stories and challenges were developed.

In addition, AFROHUN Tanzania was officially registered as a Non-Governmental Organization (NGO) in Tanzania in February 2022 for a ten-year period. This official registration is an opportunity for AFROHUN Tanzania to mobilize resources as part of its sustainability strategy to continue OH work in the region. This milestone paves the way for future OH activities in Tanzania, and the AFROHUN sustainability sub-committee will be engaged to assist with the formulation of strategies for sustainability



LESSONS LEARNED

Mobilizing Students to implement Rabies Vaccination Campaigns; the Tanzania Experience

In Tanzania, there are inadequate human resources in the districts to vaccinate animals against life threatening diseases such as Rabies. However, students from universities and other training colleges are well trained in different disciplines and constitute a ready pool of individuals that can be called upon for disease control/eradication efforts in communities. Students from these institutions can be mobilized to participate in implementing such campaigns at a low cost compared to utilizing regular employees. To leverage this student resource, AFROHUN Tanzania utilized its recognition by the Prime Minister's Office (PMO) which houses the One Health Coordination Desk under the Department of Disaster Management to support students' assistance during rabies vaccination campaigns. While providing an essential service to communities, this strategy also provided invaluable field experience for students in OH competencies. Challenges encountered included inadequate financial resources to support student participation and difficulties in procuring rabies vaccines for the campaigns. However, collaboration with Food and Agricultural Organization (FAO) to procure vaccines was a helpful action. We learned that to continuously leverage the low-cost student resource in such activities, funding support is required for greater impact. To address this need, negotiations are ongoing with the

President's Office Regional Administration and Local government (PO-RALG) and the Ministry of Livestock and Fisheries (MOLF) to provide financial support to students as well as transportation to the field on a regular basis through internally generated funds.

Implementation of the first revenue generating OH CPD course

AFROHUN Tanzania successfully implemented the first revenue generating OH CPD course at MUHAS (September 2022) which was designed for members of professional councils and in-service personnel. This was a result of efforts put into involving Tanzanian professional councils in the development and first pilot of the OH CPD training held in March 2022. MUHAS and SUA have been accredited to run this course and award certificates while the councils will be offering the required credit points for licensure after attending the course. While over 30 individuals applied to the course, only nine attended the training. A significant number of participants could not attend the training due to short notice and the fact that many government departments did not have a budget line for supporting participation. The lesson learned is the need to run advertisements for the course early enough to provide adequate time for applicants to plan to attend, and ensure a wider reach including government and non-governmental organizations as well as various online avenues. AFROHUN Tanzania also plans to engage the pioneer participants as ambassadors for future calls.



TZ 3: The Ngorongoro Crater, northern Tanzania. Photo source: <https://www.britannica.com/place/Ngorongoro-Conservation-Area>



NEXT STEPS

AFROHUN Tanzania will continue to build on collaborative efforts with government and other stakeholders to build an effective OH workforce in Tanzania and to support student participation in rabies vaccination activities. In Year 4, we plan to finalize approval of the diploma and certificate curricula and roll out nationally.

A TOT for the same colleges will be conducted to enhance their ability to

deliver the integrated curricula when the approved is introduced. The fee based OH CPD course will continue to be held on a yearly basis alternating between MUHAS and SUA. Enrollment and course planning processes will be implemented in a timely manner utilizing alumni as course ambassadors; efforts to lobby and collaborate with ministries and NGOs will be emphasized.



TANZANIA

ONE HEALTH CHAMPION



SALMA ABDI MAHMOUD

Job Title

Lecturer, SOHIC Coordinator

Professional Credentials

MD, Mmed, PhD

Role within the OHW-NG Project

SOHIC Coordinator at State University of Zanzibar (SUZA)

Affiliation

School of Health and Medical Sciences, The State University of Zanzibar



“To have an economically strong nation, we need intensive investment in the One Health workforce for productivity, critical thinking, and sustainability. Universities are the ideal place for such investment.”



Individual's Impact

As an active coordinator of SOHIC at the School of Health and Medical Sciences, Dr. Salma has sensitized students to join the OH Club in their studentship. Through club mobilization, Dr. Salma together with SOHIC members have conducted outreach programs to support

local communities in understanding the OH approach to solving complex health problems. At the university level, she hopes to build capacity and sensitize graduates as the future OH workforce for a healthy nation.

TZ 4: Tanzania's OH Champion - Dr. Salma Abdi Mahmoud. Photo source: AFROHUN Tanzania.

SUCCESS STORY



Fee Based OH Continuing Professional Development (CPD) Course in Tanzania: Participant's Experience

Dr. Onesmo Peter Mandike is a Veterinary Officer working in the Department of Agriculture, Livestock and Fisheries at Arusha City Council in Tanzania. To continue practicing in 2022, Dr. Mandike needed to renew his practice license by gaining Continuing Professional Development (CPD) credits. His search for an opportunity to renew his practicing license was futile until he came across AFROHUN's September 2022 advert inviting applications for a OH CPD short course for in-service professionals.

The OH CPD course is a five day stand-alone short course on OH which enables in-service professionals to gain CPD credits for licensure. In 2021, AFROHUN Tanzania in collaboration with five professional councils, developed the course with support from USAID. The course covers important OH competencies, including leadership skills, emerging and re-emerging infectious diseases and AMR among others.

Filled with excitement, Dr. Mandike applied for the course and was recruited. Dr. Mandike, together with eight professionals from human health, animal health, forestry and environment disciplines, gained knowledge on OH through the CPD short course. When asked if he had heard about OH,

Dr. Mandike said, *"The first time I heard about One Health was during the course"*.

When asked what he would do with the knowledge and skills gained during the course he said, he would encourage his peers to join future courses so that the OH workforce in Tanzania is strengthened.

With gladness, Dr. Mandike received a certificate for course completion which he can use to attain the required credits from the Veterinary Council. Dr. Mandike finally made the following statement regarding the usefulness of the course.

"The One Health CPD course is a very useful program, not only for improving participants' knowledge and skills but also for preparing a strong One Health workforce for Tanzania as a country."

Onesmo Peter Mandike

When Dr. Mandike returns to his home institution in Arusha, he will submit this certificate to the Veterinary Council of Tanzania (VCT) to receive 15 CPD credits which he accrued from this course. However, he still needs another 15 CPD credits to obtain his full license to practice for the year 2022/2023 cycle. When he was asked how he would obtain the rest of the 15 credit points he mentioned that he was planning to attend the Tanzania Veterinary Association Scientific Conference in November 2022 which also offers 15 CPD credits. So, Dr. Mandike is convinced that he will complete his credit points for this year.



TZ 5: View of Kilimanjaro from Amboseli National Park, Kenya. Photo source: <https://bit.ly/3HK2dvV>

UGANDA



Dashboard Overview of Year 3



HIGHLIGHTS

- ➔ Trained faculty and community/field supervisors on mentoring/overseeing undergraduate students during community placements. (November - December 2021)
- ➔ Trained staff from districts of Bulikwe, Luwero and Kayunga on One Health (OH) concepts, Risk Communication, Outbreak Investigation and Emergency Response and developed annual OH workplans for funding by partners and the government of Uganda. (July - August 2022)
- ➔ AFROHUN Uganda built capacity in detection, prevention and control of infectious disease outbreaks of zoonotic nature for 70 multidisciplinary students. (April - May 2022)
- ➔ Conducted placement of 31 students in three different demo sites in Kampala and Lira for two weeks to identify community challenges and implement cost effective OH interventions. (May - June 2022)
- ➔ Trained six graduate fellows in Infectious Disease Management, and hosted them at government and non government agencies. (May - August 2022)
- ➔ Developed and shared two manuscripts and OH practitioner strategy for review among stakeholders. (November 2021 - September 2022)
- ➔ AFROHUN Uganda developed and submitted two grant proposals to World Health Organization Research & Training in Tropical Diseases (WHO-TDR) and the National Institute of Health (NIH). (September 2021 - August 2022)
- ➔ Developed partnerships and shared best practices with partners during GHSA meetings, workshops and the USAID mission in Uganda. (October 2021 - September 2022)

ACTIVITIES



OBJECTIVE I

Every year, over 500 undergraduate students from the faculty of Medicine, laboratory technologists, pharmacists, nurses, medical doctors conduct outreaches via community placements to address challenges such as malaria, and diarrhea among others.



UG 1: MakSOHIC with community members posing for a photo after sensitizing them on AMR. Photo Source: AFROHUN Uganda.



UG 2: FEL members teaching food vendors on the importance of good sanitation and the dangers of too much exposure to heat in Kalerwe/Katanga. Photo Source: AFROHUN Uganda.

In Year 3, AFROHUN Uganda conducted a training (UG Activity 1.3.3) for a multi-disciplinary team of 45 community/field supervisors and faculty mentors (24 female and 21 male). The training equipped mentors with knowledge and skills to effectively supervise undergraduate students during their community placements. The training covered: OH concept, infectious diseases, investigation and response, gender, culture, ethics and community engagement. Participants were drawn from diverse disciplines, including: medicine, agriculture, education, and public/environment health, whereas faculty supervisors were drawn from Mbarara University of Science and Technology (MUST).



UG 3: Assoc. Prof Joseph Ngonzi giving remarks during the field supervisors training in Bushenyi district. Photo Source: AFROHUN Uganda.

To contribute to the decentralization of OH at sub national levels and meet the Joint External Evaluation (JEE) commitments made regarding having this concept decentralized in 50 districts by 2024, AFROHUN Uganda trained 45 professionals from three districts (15 in each district) on OH (UG Activity 1.3.4). Participants were drawn from the District Health Office, District Production office, District Veterinary office, District Education office, Community Development Office, Chief Executive Office, Political Offices such as (Resident District Commissioner's Office). The training covered OH concepts, risk communication,

outbreak investigation and emergency response. Participants developed annual OH work plans after the training to guide future implementation.

To further develop the Ugandan workforce capacity in management of infectious diseases, AFROHUN Uganda organized a multidisciplinary training on Infectious Disease Management for participants from both public and private institutions (Makerere University, Lira University and Uganda Christian University (UCU)). The selection process aimed to include participants from various disciplines including animal human health, environmental, information technology

and humanities. Out of the 70 participants, 31 applied the knowledge and skills gained by supporting community interventions such as waste management at abattoirs in Kampala and Wakiso districts (UG Activity 1.4.2).



UG 4: The manager of the Kalerwe abattoir briefing FEL students on how the activities are carried out around the abattoir. Photo Source: AFROHUN Uganda.



UG 5: FEL members teach the abattoir workers on advantages and disadvantages of keeping their workstation clean. Photo Source: AFROHUN Uganda.

Six graduate fellows were placed at different host sites for two months including National One Health Platform, Pathogen Economy Bureau - State House Uganda, Ministry of Health (MoH) - Health promotion and Education department, Infectious Disease Institute (UG Activity 1.4.4). During their placement, fellows participated in OH research activities, field activities, outbreak response activities, and writing various knowledge management products as required by the host institutions. This supported skills improvement efforts and strengthened AFROHUN's partnership with the host institutions.



OBJECTIVE 2

Following the organization's emphasis on increasing visibility and contribution to the OH knowledge base, AFROHUN Uganda developed two manuscripts (UG Activity 2.1.7) which have been submitted to peer reviewed journals and are awaiting publication. These are:

- *"Surveillance of COVID-19 Prevention and Standard Operating Procedures for Re-Opening Schools in Uganda: A Qualitative Survey" submitted to Frontiers in Public Health, section Occupational Health .*
- *"Safety, Knowledge, Attitudes, and Adherence relating to COVID-19 and its prevention measures in High-risk Districts of Uganda".*

Our team drafted a strategy defining a OH practitioner which is awaiting validation and roll out to the relevant sectors (UG Activity 2.3.4). The strategy stipulates the roles and responsibilities of a OH practitioner, the competencies and skills required to execute their roles and will be utilized by all OH sector players to plan capacity building interventions and identify areas of collaboration. This work was done in consultation with stakeholders including academia (Makerere University, MUST), Africa Field Epidemiology Network, MoH, Ministry of Agriculture, Animal Industry and Fisheries, National One Health Platform among others.



OBJECTIVE 3

Quarterly performance reviews were conducted to share progress, challenges and identify improvement actions. The reviews were conducted with the participation of the Deans and faculty involved with AFROHUN Uganda. It was an opportunity for the country team to course correct and share achievements. The team also participated in the Year 4 workplan development.

Lastly, two grant proposals were developed, one for WHO-TDR (jointly with University of Nairobi, Daktari East Africa and Makerere University) and NIH planning grant for capacity building in Infectious Diseases (jointly with UC Davis, MUST and Makerere University) between September 2021- August 2022. The proposal development process enabled the team appreciate the value of joint and multidisciplinary effort in grant writing. The grant proposals were submitted awaiting feedback from the respective donor institutions.



LESSONS LEARNED

Transformation of technical reports into publishable materials; Our story our experience

Since the inception of the OHW-NG project, AFROHUN Uganda has conducted research, trainings and innovations which needed to be developed further into publishable material. As a result, we constituted a team of subject matter experts in scientific writing who supported the review process and provided feedback. This experience taught us the importance of working directly through write shops with Thematic and Activity Leads who are corresponding authors to ensure a more participatory process and timely production of deliverables.



NEXT STEPS

AFROHUN Uganda will build on existing partnerships at national and sub-national level to implement planned activities in line with the National Operation Plan in Year 4. We will engage stakeholders to validate and roll out the strategy on the OH Practitioner in Uganda, support capacity building among in-service cadres, evaluate the Uganda One Health Institute to assess possibilities of generating business ideas from the activities implemented under the institute.

In addition, we will support the coordination and response to outbreaks and emergencies of zoonotic nature while building capacity for pre-service cadres from various disciplines.

AFROHUN Uganda will also develop grant proposals as a resource mobilization strategy, and develop knowledge management products to contribute to the body of evidence and increased visibility.



UGANDA

ONE HEALTH CHAMPION



LUCIA RUVARASHE NDANGA

Job Title

Law Student

Professional Credentials

Vice Chair, World Association of Girl Guides and Girl Scouts Africa Region

Role within the OHW-NG Project

President - Makerere University Students One Health Innovations Club (MAKSOHIC)

Affiliation

Makerere University

"One Health is diverse, I have learnt to appreciate the role of every discipline in this approach. As a law student, I am able to now relate how laws and policies can best be incorporated in the One Health approach to achieve the best results".



Individual's Impact

Lucia Ruvarashe Ndanga is an alumnus of the Uganda One Health Institute - Field Experiential Learning (FEL), cohort 2021. She was key in leading a Sexual Reproductive Health Awareness Project for Youth in Katanga and, drafted and contributed to the annual strategic plan of MAKSOHIC.

As the 2021/2022 MAKSOHIC President, Lucia reinstated regular weekly meetings following the COVID-19 lockdowns in Kampala, Uganda. These meetings were aimed at strengthening coordination of clubs across the university, and improving

community outreach. In addition, the club members were avenues for putting together materials for distribution to communities during awareness campaigns. During her presidency, 40 new SOHIC club members across different disciplines in Makerere University were recruited and trained.

Additionally, as a result of her good planning skills, 250 lives of young people and community members were reached during an Antimicrobial Resistance awareness outreach held in Nakulabye and Katanga.

UG 6: Uganda's OH Champion - Lucia Ruvarashe Ndanga. Photo source: AFROHUN Uganda.

SUCCESS STORY



Impact of One Health Trainings among District One Health Teams in Buikwe District.

AFROHUN Uganda supported the decentralization of OH at sub-national level between July and August 2022 in Buikwe, Kayunga and Luwero districts. In Districts (Buikwe), all district office departments were mobilized by the Chief Administrative Officer (CAO) to attend the weeks training in OH.

Mr. Mutiri David Oundo was among the district staff members selected for training. Mr. Mutiri is the Inspector of Schools in Buikwe district where he has worked for over 3 years. His responsibilities include development and distribution of Information, Education and Communication (IEC) materials, and monitoring schools' compliance and adherences, especially during the COVID-19 pandemic.

Mr. Mutiri felt that the education department was independent from other departments within the district. Under his department, materials would be developed and distributed to schools with limited or no consultation/input from the other relevant sectors. During the COVID-19 pandemic, all sectors were required to come together and plan for the district but most importantly to prepare for safe re-opening of all learning institutions in Uganda. This posed as a great challenge for Mr.

Mutiri as the departments preferred to work independently. However, with perseverance, Mr. Mutiri coordinated the development of the district OH annual workplan and budget thus exercising the skills and competencies gained during the training.

“We had challenges bringing on board all actors to plan and execute the post-COVID-19 recovery for the district, but this training has helped us plan more effectively and in a coordinated manner,”
Mr. Mutiri David Oundo.

Mr. Mutiri was among the 22 participants who were taken through the various modules including OH concepts, risk communication, outbreak investigation and emergency response, biorisk management, among others.

“The training has changed my perspective towards the other departments. I now appreciate the role of other sectors/ departments and the community members in response to infectious diseases. Have been encountering challenges to understand certain technical terms used by the medical practitioners but now I appreciate them and have learnt to use them from time to time.”
Mr. Mutiri David Oundo



UG 7: View of Akempene Island on Lake Bunyonyi Islands, Uganda. Photo source: <https://bit.ly/3YxbSMp>



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