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# AFRICA ONE HEALTH UNIVERSITY NETWORK (AFROHUN)

ONE HEALTH WORKFORCE - NEXT  
GENERATION (OHW-NG)

**YEAR 4**  
SEMI-ANNUAL REPORT

**2022-2023**

**AFROHUN**  
Advancing One Health

## **AFROHUN NETWORK**

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

This publication was prepared by the AFROHUN Secretariat headquartered at Plot 20B, Kawalya Kaggwa Close, Kololo-Uganda.

[www.afrohun.org](http://www.afrohun.org)  
Plot 20B, Kawalya Kaggwa Close  
P.O.Box 100953  
Kampala Uganda

## **EDITORS**

### **AFROHUN SECRETARIAT**

Elizabeth Alunguru, William Bazeyo, John David Kabasa, Winnie Bikaako, Irene Naigaga, Sarah Nannyanzi, Milly Nattimba, Charity Kyomugisha, Christine Muhumuza, Agnes Yawe and Isaac Mwotasubi.

## **CONTENT**

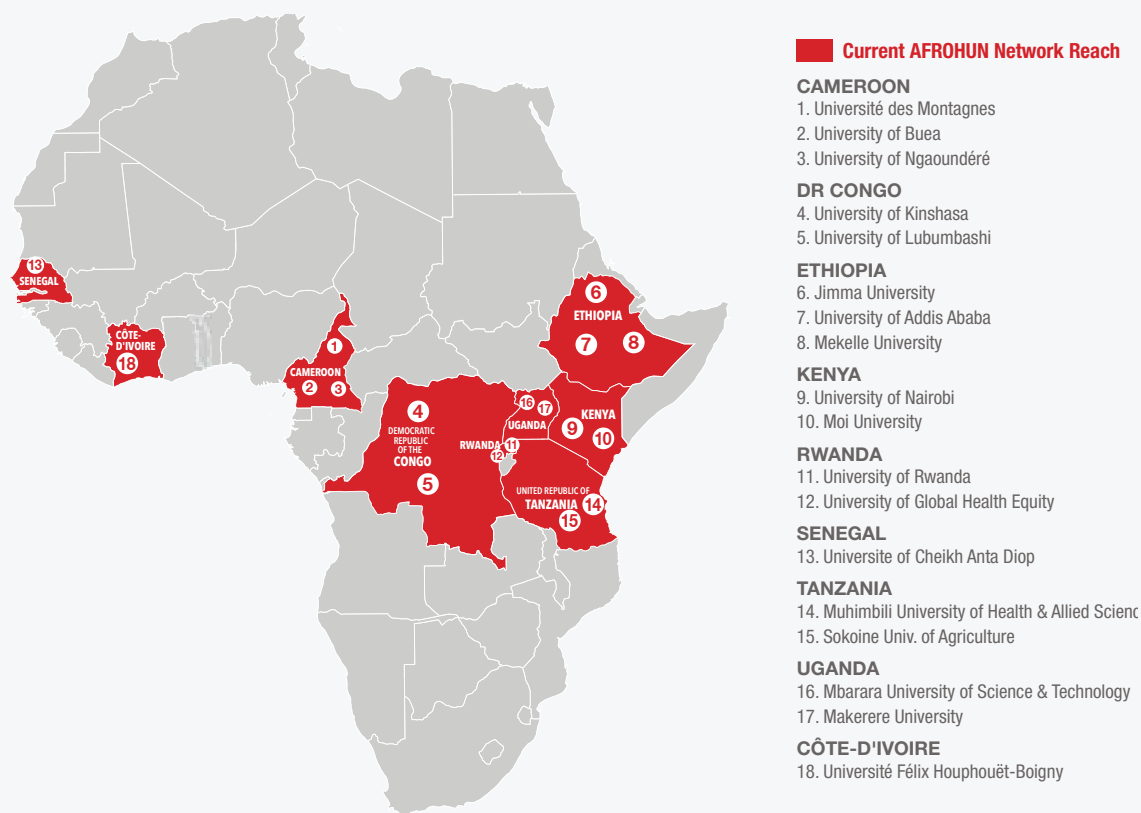
This report represents a collaborative effort in which all AFROHUN countries provided content. This publication was developed and contributed by AFROHUN, as part of the One Health Workforce - Next Generation (OHW-NG) Global Consortium.

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Cover photo source: [AFROHUN Senegal](#).

## 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.



## LAYOUT & DESIGN

Jacob Nansinguza

Editorial design and medical illustration.

## SUGGESTED CITATION

Africa One Health University Network. 2021-2022 One Health Workforce - Next Generation Semi-Annual Report. AFROHUN Secretariat, Kampala, April, 2023.

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# ACRONYMS AND ABBREVIATIONS

Academie de recherche et d'enseignement supérieur	ARES
Africa One Health University Network	AFROHUN
Antimicrobial Resistance	AMR
American Rescue Plan Act	ARPA
Breakthrough Action	BA
Capacitating One Health in Eastern and Southern Africa	COHESA
Centers for Disease Control and Prevention	CDC
College of Veterinary Medicine, Animal Resources and Biosecurity	COVAB
Continuing Professional Development	CPD
Communities of Practice Technical Working Group	CoP TWG
Democratic Republic of Congo	DRC
Deputy Vice Chancellor	DVC
District Health Team	DHT
Ebola Virus Disease Outbreak	EVD
Emergency Centre for Transboundary Animal Diseases	ECTAD
Extension for Community Healthcare Outcomes	ECHO
Interstate School of Veterinary Science and Medicine	EISMV
Global Alliance for Rabies Control	GARC
Global Health Case Competition	GHCC
Global Health Security Agenda	GHSA
Deutsche Gesellschaft für Internationale Zusammenarbeit	GIZ
Human Resources Working Group	GTT-RH-OH
Food and Agriculture Organization	FAO
Food and Drug Authority	FDA
Heads of Department	HOD
Health Care Provider	HCP
Health Sub district	HSD
Higher Education Institutions	HEIs
Human Resource	HR
Infectious Disease Detection and Surveillance	IDDS
Institute of Health and Development	ISED
Institute of Environmental Sciences	ISE
Integrated Disease Management	IDM
Integrated Polytechnic Regional Centers	IPRC
Information Technology	IT
International Livestock Research Institute	IRLI
International Health Regulations	IHR
International Program in Public Health Leadership	IPPHL
Institut de formation des Agents de Santé	INFAS
Institut National de Formation Professionnelle Agricole	INFPA
Institute of Primate Research	IPR
Implementing Partner	IP
Jimma University One Health Training, Research and Outreach Centre	JU-OHROC
Joint External Evaluation	JEE

Kinshasa School of Public Health	KSPH
Knowledge Management	KM
Master of Public Health	MPH
Mbarara University of Science and Technology	MUST
Medicines, Technologies and Pharmaceutical Services	MTaPS
Memorandum of Understanding	MOU
Ministry of Health	MoH
Muhimbili University of Health and Allied Sciences	MUHAS
National One Health Steering Committee	NOHSC
National One Health Platform	NOHP
Non-Governmental Organization	NGO
Norwegian Agency for Development Cooperation	NORAD
One Health	OH
One Health Workforce Academy	OHWA
One Health Workforce Next Generation Project	OHW-NG
Request for Proposals	RFA
Risk Communication and Community Engagement	RCCE
Rwanda Biomedical Center	RBC
Rwanda Development Board	RDB
Rwanda Polytechnic	RP
Senegalese Institute of Agricultural Research	ISRA
Subject Matter Expert	SME
Students One Health Innovations Club	SOHIC
Sokoine University of Agriculture	SUA
Technical Advisory Committee	TAC
Technical Working Group	TWG
Terms of Reference	TOR
Training of trainers	TOT
Transformational Strategies for Farm Output Risk Mitigation	TRANSFORM
Transition Award	TA
Uganda Christian University	UCU
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 Ngaoundere	UN
University of Rwanda	UR
United Nations Economic Commission for Africa	UNECA
United States Agency for International Development	USAID
Veterinary Council of Tanzania	VCT
Village Health Teams	VHTs
Vocational Training College	VTC
virtual Community of Practice	vCOP
World Health Organization	WHO
World Organization for Animal Health	WOAH
World Association for Buiatrics	WAB



## 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.

AFR SEC 2: Ugandan female kob, Semliki Wildlife Reserve. Photo source: Wikimedia.



# AFROHUN Secretariat



## Dashboard Overview of Year 4

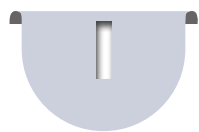


## HIGHLIGHTS



- ➔ Conducted virtual Community of Practice (vCoP) Extension for Community Healthcare Outcomes (ECHO) sessions that attracted 248 participants from academia, the health sector, the private sector and government. (January 2023)
- ➔ AFROHUN supported countries to integrate Knowledge Management (KM) action plans into their ongoing activities. (October 2022 – March 2023)

# ACTIVITIES



## OBJECTIVE 1

### **AFR Activity 1.2.1 Implement an ECHO regional virtual Community of Practice on topical issues for One Health faculty**

- AFROHUN implemented ECHO series vCoP in collaboration with the global team and the One Health Workforce Academy (OHWA) Communities of Practice Technical Working Group (CoP TWG).

### **AFR Activity 1.4.2 AFROHUN symposium for students and alumni**

- Planning for the symposium is ongoing, spear-headed by Students One Health Innovations Club (SOHIC) faculty

who support student club activities in the countries. The symposium will be conducted as part of the AFROHUN 2023 conference slated for September 5<sup>th</sup> – 7<sup>th</sup> 2023. The symposium will be held in person and a virtual option offered for those unable to travel.

### **Other activities**

- The Secretariat is moving forward with the Gender policy strategy by preparing the launch of tailored gender analysis and integration training course. This course targets the AFROHUN Network audience and will contribute to AFROHUN's commitment to operationalizing the AFROHUN gender policy and strategy.



## OBJECTIVE 2

### **AFR Activity 2.1.1 Support implementation of knowledge management action plans**

- AFROHUN supported the country chapters to integrate KM action plans into ongoing, budgeted activities. Implementation will pick up in quarter 3.

### **AFR Activity 2.1.2 Support countries with the implementation of KM activities in their Year 4 workplans**

- AFROHUN Secretariat supported Cameroon through developing Terms of Reference (TORs) identifying and appointing faculty in charge of KM which has been completed (CRN Activity 2.1.1).

- The AFROHUN Secretariat provided technical assistance for DRC to plan and design a KM product out of the OH demonstration site field attachment which will be implemented in quarter 3 (CD Activity 1.4.1).
- AFROHUN Secretariat supported Ethiopia to plan for a training on tracking and engagement of OH risk analysis alumni (ET Activity 2.1.1), which will be implemented in quarter 3.

### **AFR Activity 2.1.3 Produce AFROHUN Bi-annual Newsletter**

AFROHUN Secretariat planned the development of a newsletter and its production will be done in quarter 3 using the Semi Annual Report content.

## OBJECTIVE 3

### AFR 3.2.3 OHW-NG Global Consortium meeting

- Planning meetings commenced, with committees created to handle specific aspects of the meeting, which is being shaped into a conference.
- Dates agreed on are 5<sup>th</sup> – 7<sup>th</sup> September 2023
- **Theme:** Contribution of One Health approach to Global Health Security: Taking stock and Looking into The Future
- The AFROHUN symposium for students and alumni (AFR Activity 1.4.2) is also being planned as part of the conference.

### AFR Activity 3.3.1 Implement partnership development and funding diversification strategies to help AFROHUN deliver on its 5-year Business Plan and sustainability goals.

- AFROHUN Secretariat selected priority funding agencies such as Chevron, Global Affairs Canada's Climate Action Africa, Welcome Trust, GIZ from the donor mapping exercise by the OHW-NG Global team. The Secretariat will engage with the identified agencies as part of the resource mobilization efforts.

### AFR Activity 3.3.2 Grant writing workshops and proactive resource mobilization (public and private)

- Proactive resource mobilization characterized the first two quarters through email based engagements and virtual meetings where five funding partners have been engaged (Chevron, GIZ, Welcome Trust, Fleming Fund, Global Affairs Canada's Climate Action Africa). The secretariat awaits response from these engagement meetings.
- The Secretariat commenced writing a grant proposal in response to the World Bank Pandemic Fund first call in collaboration with Food and Agriculture Organization – Emergency Centre for Transboundary Animal Diseases (FAO-ECTADE).



# LESSONS LEARNED

## Active stakeholder engagement for sustaining vCOP momentum

### Background

ECHO series are an initiative under the AFROHUN Academy led by the CoPTWG) that is hosted by the AFROHUN Academy.

The ECHO series enable the vCOP to connect participants and SMEs for the purpose of promoting dissemination and peer-to-peer sharing of best practices and addressing identified knowledge and practice gaps through collaborative problem solving.

### The Challenge

AFROHUN witnessed varying and fluctuating attendance and engagement in the vCoPs overtime.

### Lesson Learned

AFROHUN devised means of identifying various stakeholders to lead vCoPs and conducting wide consultation to ensure that they include participant needs. This ongoing and participatory stakeholder engagement has been critical to sustaining the vCoP momentum and has also seen improvements in the attendance.



## NEXT STEPS

- ➔ Preparations for the Global Consortium meeting/conference OHW-NG will peak in Quarter 3 when speakers will be identified and travel plans finalised.
- ➔ A four-part training series on gender analysis and gender integration targeting the AFROHUN country and regional gender champions, Thematic Leads, and Activity Leads at regional and country level, and Country Managers is planned between April and June 2023. The gender training participants shall develop plans for engendering the OH education and training programs of AFROHUN and gender integration in OH courses offered by the AFROHUN member institutions, using the developed tools and templates. We will build on the lessons learned from the e-Learning vCOP ECHO sessions in Year 2 and the satisfaction surveys per session to inform the scope and content of the subsequent vCOP sessions.
- ➔ AFROHUN plans to continue to support countries to implement KM action plans.
- ➔ AFROHUN will develop alumni dashboards using the data from alumni tracking and the competence survey
- ➔ AFROHUN Secretariat will continue its resource mobilization efforts to deliver on its 5-year Business Development Plan and sustainability goals.



SECRETARIAT

# ONE HEALTH CHAMPION



## DR. IRENE NAIGAGA

### Job Title

Regional Program Manager

### Professional Credentials

Bachelor of Veterinary Medicine, Postgraduate Diploma (Wildlife Health and Management), MSc, PhD

### Role within the OHW-NG Project

- Coordination and provision of strategic and policy guidance
- Technical leadership and support to programme management and capacity development
- Team leadership
- Secretary to the AFROHUN Board of Directors
- Strategic stakeholder management
- Resource mobilization, management, and monitoring

### Affiliation

Makerere University - Uganda



*“With all the glitz and glamour around the One Health approach, and its application potential in alleviating complex health emergencies; One Health in practice will continue to elude many One Health initiatives if such initiatives do not get intentional at building robust coordination structures, that are respected by all parties involved. My ten years of working with a super complex One Health network like AFROHUN that not only traverses disciplines, but also borders, regions, and cultures, has taught me that One Health in practice is not a given. It is hard work that calls for a robust coordination mechanism and a guarded shared vision by the parties involved”*



### Individual's Impact

Dr. Naigaga is a thought leader on matters of One Health. She has ably led the Regional Secretariat and nine Country Teams in designing, implementing, assessing the One Health Workforce Next Generation and Transition Award Projects that are running during this period. Her contribution to the two projects has involved providing strategic and technical guidance as well as quality assurance. She is a mentor whose transformational leadership skills have enabled AFROHUN

navigate and settle into a Prime Partner role with greater ease.

During this period, Dr. Naigaga has also extensively facilitated multi stakeholder processes to form collaborations and seek networking opportunities with other like-minded partners. She is a sought after speaker/panelist and technical lead on One Health by the different partners which experience has been infused into the thinking and working of AFROHUN.

AFR SEC 3: AFROHUN Secretariat's OH Champion – Dr. Irene Naigaga Photo source: Twitter

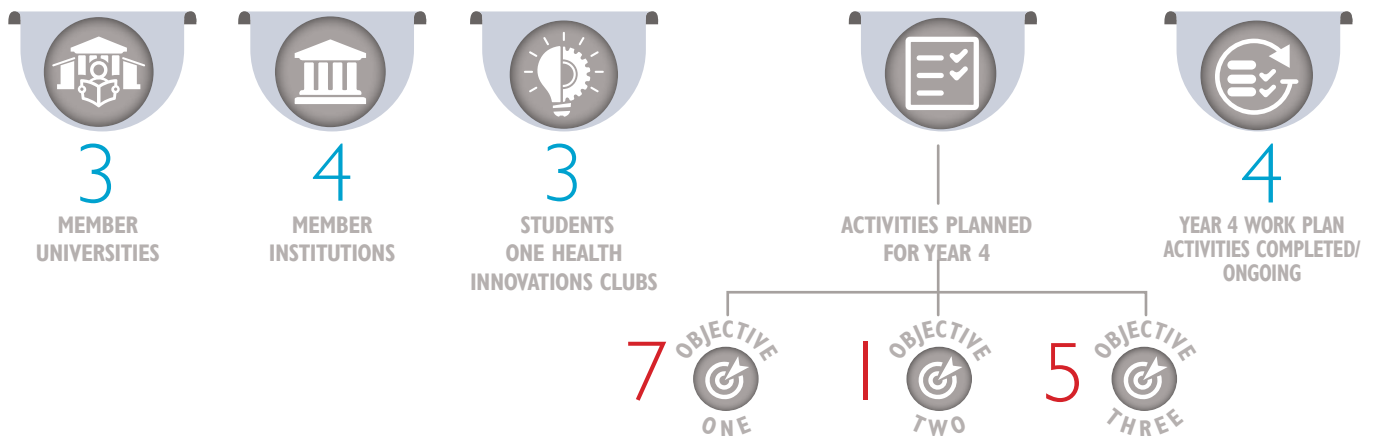


AFR SEC 4: Scenic Aruu falls located in northern Uganda, off the Gulu-Kitgum highway. Photo source: <https://flashugnews.com/>

# CAMEROON



## Dashboard Overview of Year 4



## HIGHLIGHTS



- Presented to the 4<sup>th</sup> International Forum on the Management of Public Health Emergencies and Events under the theme: "COVID-19: An opportunity for health systems strengthening and control of other epidemics". (November 2022).

# ACTIVITIES



## OBJECTIVE 1

### **CRN Activity 1.1.1: Develop an e-Learning platform for the Masters of Veterinary Public Health and One Health Masters at the University of Ngaoundere using a competency-based education approach.**

- Stakeholder engagement and planning meeting for the Master of Veterinary Public Health and One Health (OH) Masters at the University of Ngaoundere (UN) using a competency-based education approach was co-organized virtually by AFROHUN. An in-person engagement meeting will be held in quarter 3.
- A virtual technical planning meeting to prepare the e-Learning Platform and Training Modules for capacity building in Veterinary Public Health and OH Masters was held.

### **CRN Activity 1.1.2: Development of e-Learning modules for a postgraduate degree program on AMR at the University of Buea.**

- Stakeholder engagement and planning meeting for an e-Learning platform and training modules for capacity building in Antimicrobial Resistance (AMR) at the University of Buea (UB) was co-organized by AFROHUN, Medicines, Technologies, and Pharmaceutical Services (MTAPs), and Infectious Disease Detection and Surveillance (IDDS).
- Technical planning meeting to prepare e-Learning platform and training modules for capacity building in AMR was conducted by AFROHUN, MTAPs and IDDS.
- A 5-day meeting was held to develop the MSc curricula content and AMR certified eLearning courses with a team of faculty by AFROHUN, MTAPs and IDDS.
- A presentation of the e-learning platform will be shared in quarter 4 to the UB leadership and MTAPs and IDDS.



## OBJECTIVE 2

### **CRN Activity 2.1.1: Strengthen Knowledge Management at AFROHUN Cameroon**

- An AFROHUN Cameroon Knowledge Management focal point has been identified.





# 3

## OBJECTIVE 3

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### **CRN Activity 3.1.1: Support Members of AFROHUN Cameroon to participate in GHSA and Strategic Partners' Meetings for sustainability of activities and promoting collaboration.**

- AFROHUN Cameroon participated in the OH work validation by UB.
- Coordinated the OH session and presented as a key note speaker during the 4<sup>th</sup> International Forum on the Management of Public Health Emergencies and Events under the theme: “**COVID 19: An opportunity for health systems strengthening and control of other epidemics**”.
- Participated in a meeting with the National One Health Platform (NOHP) about a Risk Communication and Community Engagement (RCCE) strategy development plan in Cameroon.



# LESSONS LEARNED

## The importance of engaging University community staff for collaborative and successful program implementation

### Background

The Master's training program on AMR has been of great interest to the university community in Buea despite the limited number and capacity of academic staff.

### The Challenge

We face the challenge of a lack of available AMR training in Cameroon. In launching this training, UB demonstrates their institution's strong leadership to implement this new training domain, yet more academic staff is needed to run and sustain such a program.

### Lesson Learned

Collaborative efforts employed to garner support from the university wide community helped UB to make a strong case for designing and implementing the AMR Masters program.



## NEXT STEPS

- ➔ Develop the e-Learning platform for the AMR Masters program at UB.
- ➔ Develop partnerships to support the launch of scholarships for future Master's Program



# ONE HEALTH CHAMPION



## Prof Jean Pierre MVONDO AWONO

### Job Title

Dean of Faculty of Agriculture and Veterinary Medicine (FAVM)

### Professional Credentials

PhD

### Role within the OHW-NG Project

Dean at AFROHUN member institution

### Affiliation

University of Buea (UB), Faculty of Agriculture and Veterinary Medicine



*“To avoid another pandemic, we must be more proactive and recognize the inextricable links between human, animal, and environmental health.”*



### Individual's Impact

Prof Awono is the architect of the institutionalization of the master's in wildlife medicine with a strong OH component at the UB. He has played a key role in coordinating the integration of OH competencies in curricula at the University of Buea. Very motivated about OH issues, Prof Awono has supported the enhancement of AFROHUN's visibility through his active participation in national OH related meetings.

CN 1: Cameroon's OH Champion – Prof Jean Pierre MVONDO AWONO. Photo source: AFROHUN Cameroon.



# SUCCESS STORY

## Engaging the Academic Community about Antimicrobial Resistance

AFROHUN Cameroon supported the development of a Master's program on Antimicrobial Resistance due to the need to improve the JEE performance which indicated that the country had limited human resources capacities to manage AMR issues. The developed program will significantly improve the awareness and capacity of healthcare personnel on AMR related health issues. For its implementation, it was necessary to identify an institution that would host and engage in the process of obtaining authorization from the University hierarchy and approval from the Ministry of Higher Education. This situation therefore posed a challenge for how to expand the human resource pool capable of addressing AMR.

The Faculty of Medicine at University of Buea, a member of AFROHUN Cameroon, responded to the challenge and agreed to implement this program in the academic year 2022-2023. The

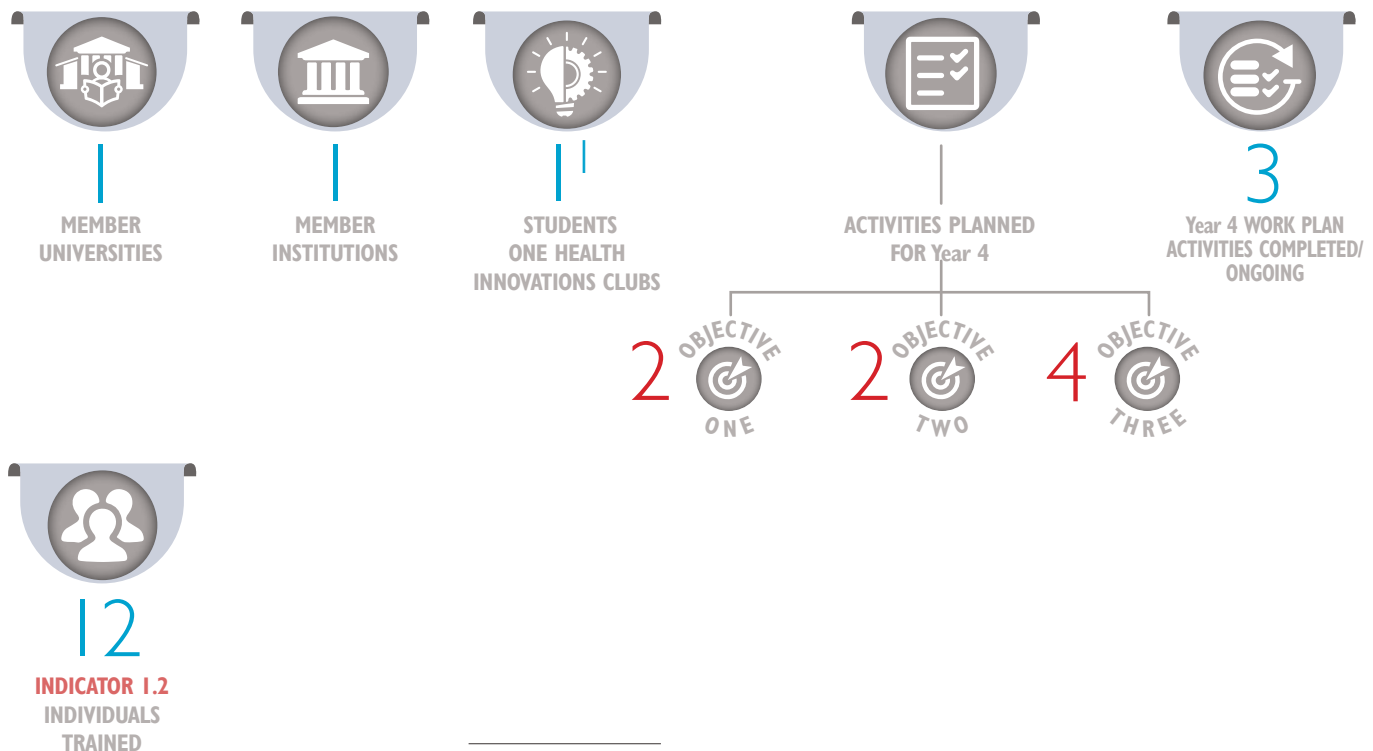
Master's program was successfully launched in 2022, and 15 students were recruited for studies. This program has attracted the interest of partners who are supporting the university through AFROHUN in its implementation. Two partners, MTaPS and IDDS through AFROHUN Cameroon, contributed to the reform of the education system by providing resources for the blended learning approach and, by developing a scholarship opportunity for the next cohort of master's students.

*Prof Edie Gregory Halle-Ekane, Dean of the Faculty of Medicine and Dean of AFROHUN UB said, "I am very satisfied with the implementation of the program, which has the support of the university community. The engagement meeting identified funding opportunities for greater sustainability."*

# CÔTE D'IVOIRE



## Dashboard Overview of Year 4



1. Additional SOHICs exist in 3 non-member institutions.

## HIGHLIGHTS



- ➔ Trained 12 volunteer faculty members from 3 public training institutions to adapt their rabies and Eco-health courses with a One Health (OH) approach. (November 2022)

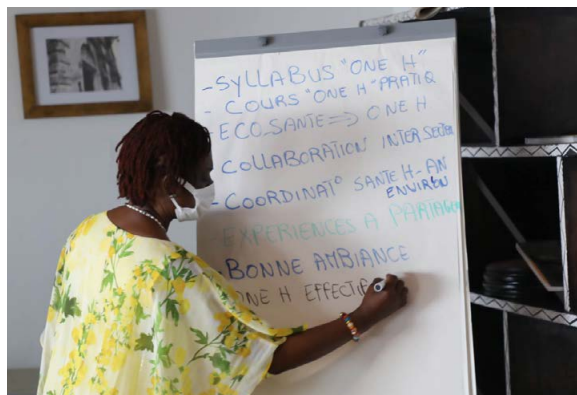
# ACTIVITIES



## OBJECTIVE 1

### CDI Activity 1.1.1 Update OH modules

University lecturers adapted practical case studies and added a OH lens with support from the global consortium. Each participant will write a new case study related to this course and share it for finalization.



CD 1: Prof. Alphonsine facilitating during the workshop to update OH modules. Photo source: AFROHUN Côte d'Ivoire.



CD 2: Participants discussing during the workshop. Photo source: AFROHUN Côte d'Ivoire.



## OBJECTIVE 3

### CDI Activity 3.2.1 Participation in GHSA partners' and OH national Steering Committee meetings

AFROHUN Côte d'Ivoire attended online Global Health Security Agenda (GHSA) meetings in October & November 2022 which has enhanced visibility and created opportunity for experience sharing.

Attended a meeting for USAID partners and the national OH platform to ensure better coordination of activities.

### CDI Activity 3.2.2 Participation of SOHICs in OH events in collaboration with the One Health platform

30 student members of Students One Health Innovations Clubs (SOHICs) of University Felix Houphouet Boigny (UFHB) and University Nandju Abrougoua (UNA) participated in the ceremonies organized by the OH platform of the country in commemoration of the OH Day.



# LESSONS LEARNED

## Thematic leads Continuous Capacity Building: A necessary step for stakeholder ownership

### Background

The AFROHUN Côte d'Ivoire team works closely with Thematic and Activity Leads in both the identification of priority activities and their actual implementation. The Leads are often oriented on their roles to ensure effective implementation.

### The Challenge

One of the major challenges encountered in the implementation of field activities is inadequate training of implementers to fully understand the application of their roles. It's noted that this is due to the training method that does not provide adequate information and cases. AFROHUN Côte d'Ivoire therefore improved the training to include case studies as a methodology.

### Lesson Learned

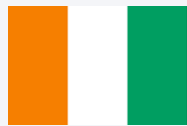
Training faculty using case study exercises and application of this method by Thematic Leads led to improved appreciation and application of the learning.

Also, periodic capacity building of Thematic and Activity Leads on their roles in the implementation of project activities is critical for achievement of positive results and sustainability.



## NEXT STEPS

- A meeting with the faculty champions to finalize the update of the OH modules.
- Support the OH Platform to establish a Human Resources Working Group (GTT-RH-OH) which will take place in April 2023.
- Capacity building of SOHICs is planned in June 2023 in collaboration with Breakthrough Action.



CÔTE D'IVOIRE

# ONE HEALTH CHAMPION



## ASSOUAN EHONLAMIN MICHEL

### Job Title

Medical Doctor Intern

### Professional Credentials

Medical Doctor (MD)

### Role within the OHW-NG Project

AFROHUN One Health fellow for 6 months

### Affiliation

Unité de Formation et de Recherche Sciences Médicales,  
Université Félix Houphouët Boigny (UFRSM, UFHB)



*“One Health opens the door to collaboration, training and rethinking the world as a whole in terms of health.”*



### Individual's Impact

In 2022, Dr. Assouan Ehonlamin Michel was awarded a scholarship by AFROHUN Côte d'Ivoire in his last year of study at the UFHB medical school. He defended his doctoral thesis in medicine in March 2023. During his internship at AFROHUN Côte d'Ivoire, Dr. Assouan participated in a training on OH concepts and was engaged during the implementation of AFROHUN activities. In order to deepen his understanding, he wrote

his doctoral thesis in medicine on the OH concept: **“Knowledge and attitudes of students in health sciences on the One Health concept”**.

Currently Dr. Assouan is a member of the SOHIC at UFHB and actively encourages other students to join SOHIC as members. He also encourages them to participate in SOHIC activities that promote the OH concept at the university.

CD 3 : Côte d'Ivoire's OH Champion – Assouan Ehonlamin Michel. Photo source: AFROHUNCôte d'Ivoire





# SUCCESS STORY

## The Role of OH in Academia; A story of Transformation for a Medical Student

In 2022, AFROHUN awarded a 6-month fellowship to a graduate student at the University of Felix Houphouet Boigny (UFHB). The fellowship aims to promote transformational leaders and critical thinkers who can apply the OH approach in multidisciplinary teams. Dr. Assouan Michel (Medical Doctor) benefited from this fellowship. Through multiple AFROHUN CDI trainings (virtual and in person), Dr. Assouan developed his knowledge on OH, as well as soft skills such as communication, teamwork and Leadership. He was also exposed to research and understanding the important role of academia in OH.

While participating in AFROHUN's activities N CDI within the university, he realized that the OH concept was unknown or misunderstood by faculty and students. Therefore, he carried out his end-of-cycle research on the OH concept.

Dr. Assouan defended his doctoral thesis on Wednesday, March 01, 2023 on *"Knowledge and Attitudes of Students in Health Sciences on the OH Concept at the University Felix Houphouet Boigny."*



CD 4: Dr Assouan taking an oath. Photo source: AFROHUN Côte d'Ivoire.

The results of this work revealed an insufficient knowledge of the OH concept among medical students of the UFHB. In collaboration with his mentors, he made the following recommendations to the university's Medical Sciences Training and Research Unit:

- ➔ Harmonize the pedagogical programs and integrate the OH concept;
- ➔ Promote collaboration between the different universities/institutions through the organization of workshops, conferences, and seminars on the OH concept and zoonotic disease surveillance;

These recommendations were appreciated by members of the jury and Dr. Assouan's thesis was sanctioned with an "honorable mention of congratulations by the jury and recommended for sharing with other universities."

*"The One Health approach is the key solution to respond and prevent current and future health threats for the world and Africa in particular, as it promotes multisectoral collaboration by preparing the future's human resources," Dr. Assouan Michel, medical doctor UFR/SM UFHB*



COTE D'IVOIRE

# SUPPLEMENTAL FUNDING: CDI

## COVID-19 vaccinations

**Reduce COVID-19 morbidity and mortality through accelerated equitable access to and delivery of safe and effective 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 adopted 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 such as: 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

- ➔ Reached 43,177 people from the university community through dissemination of COVID-19 vaccination awareness messages at the 5 target universities.
- ➔ Trained 904 students and teachers from 5 target universities (2 Abidjan, Bouaké, Daloa and Korhogo) on vaccination against COVID-19.
- ➔ Installed 28 mobile vaccination sites through which, 3,883 students, professors, administrative and technical staff from the various target universities (Abidjan, Bouaké, Daloa and Korhogo) and university hospitals were vaccinated
- ➔ Conducted awareness campaigns that realized vaccination of 3,883 university community members of which, 70% received their first dose.



## SUCCESS STORY

Health Care Providers (HCPs) remain the most trusted influencers of vaccination decisions in Cote d'Ivoire. However, in the face of emerging vaccine hesitancy, there are still significant gaps in their own vaccine confidence and vaccination behavior which has significant impacts on their vaccination recommendations to others.

As part of the activities implemented under the ARPA project, AFROHUN CDI held several meetings with the different university hospital management teams which allowed the identification of the health workers' vaccination focal points who are the occupational physicians. Additionally, AFROHUN conducted a Training of Trainers (ToT) for focal points and Heads of Department (HODs) from different university hospitals on COVID-19, community engagement and sensitization on COVID-19 vaccination.

Following the training, each focal point designed a strategy for sensitization of the staff at their respective hospitals. Then, each hospital structure implemented with AFROHUN's support an awareness and vaccination campaign for the health workers. The focal points exchanged regularly to share experiences, which proved to be more effective in the field.

Before the implementation of this project activity, each occupational health department worked alone in its structure. Today, this collaboration between the focal points to implement the project's activities continues in their daily activities.

*“Country Manager we shall continue to work together to better monitor CHU agents”*  
**Pr Kouassi Mathias**, Chief of the Division of Occupational Health, University hospital of Angré-Abidjan).

## SUPPLEMENTAL FUNDING DASHBOARD



COTE D'IVOIRE

Funding



43,177

PEOPLE REACHED WITH COVID-19 VACCINATION MESSAGES DURING THE AWARENESS CAMPAIGNS



904

FACULTY AND STUDENTS TRAINED ON COVID-19 RELATED TOPICS



3,883

FACULTY, STUDENTS AND ADMINISTRATIVE AND TECHNICAL STAFF VACCINATED AGAINST COVID-19



338

HEALTH WORKERS PARTICIPATED IN THE VACCINATION TEAMS AT THE TARGET UNIVERSITIES



FEMALES

338



MALES

566



FEMALES

1,435



MALES

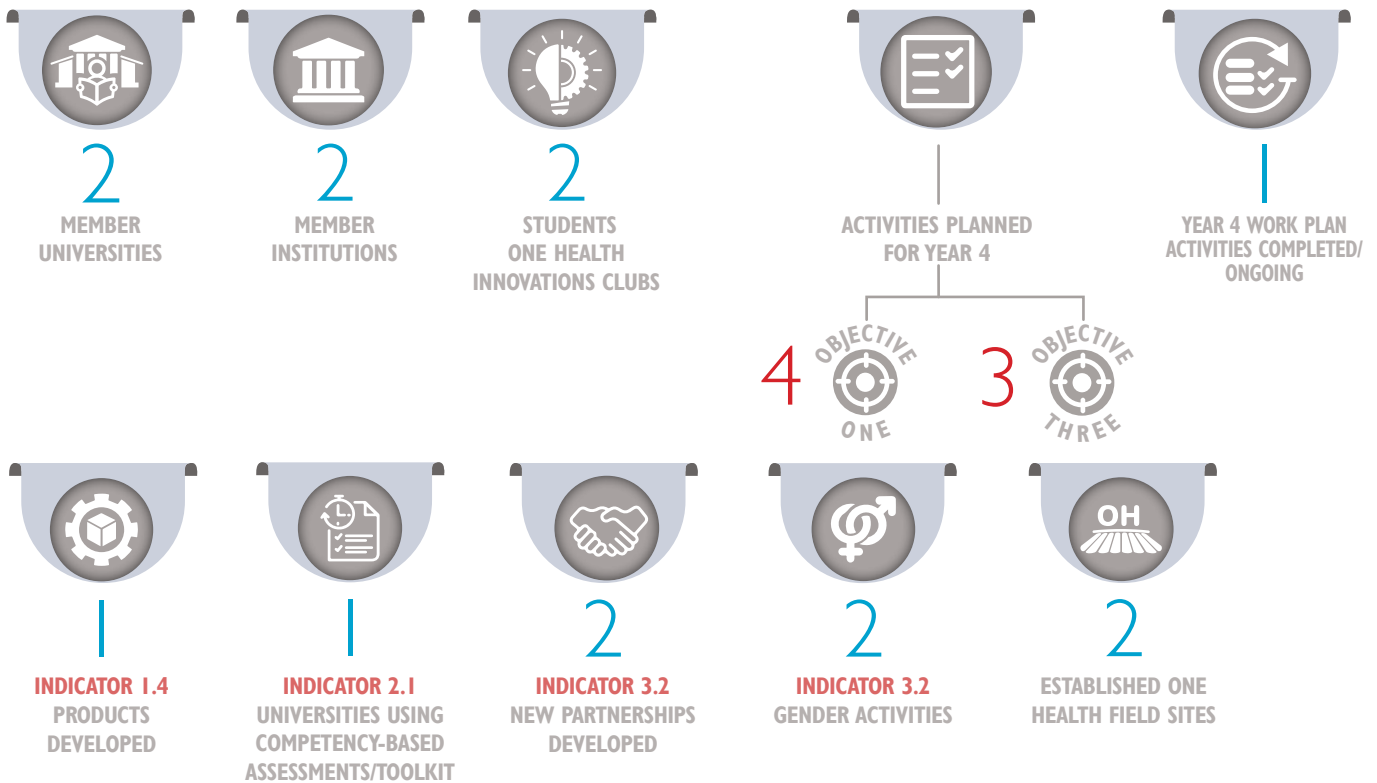
2,448



CD 5: Hippopotamuses on a sand bank, 1 km downriver from Buffle Noir tourist camp along the Bénoué River, Cameroon. Photo source: <https://www.cambridge.org/>



## Dashboard Overview of Year 4



## HIGHLIGHTS



- ➔ Engaged alumni, faculty and the Lubumbashi School of Veterinary Medicine management to conduct an evaluation of the MSc wildlife program in Lubumbashi. (February 2023)
- ➔ Trained 28 subnational One Health (OH) committee members in Bukavu, South-Kivu from different ministries at the provincial level in collaboration with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). (November - December 2022)

# ACTIVITIES



## OBJECTIVE I

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### **CD Activity I.I.I MSc. Wildlife evaluation and partners' sustainability meeting**

- A two-day meeting was held to conduct the evaluation of the MSc Wildlife program, with support from a local consultant.
- This activity helped to identify partners that can be engage to fund the training program.



# LESSONS LEARNED

## Strengthening decentralization of the OH platform in the DRC

### Background

The DRC National One Health Platform (NOHP) was established in 2011 with representatives coming from government institutions, civil society and partners. Since then, activities were only implemented at the national level. Since 2021, with support from partners such as AFROHUN, Breakthrough Action (BA) and FAO, the decentralization of the platform started by developing a governance manual clarifying tasks and responsibilities for the national and subnational levels. By the end of 2022, six subnational OH platforms were established in South-Kivu, North-Kivu, Haut-Katanga, Kongo Central, Kasai-Oriental and Tshuapa.

### The Challenge Lesson Learned

However, without prior training in OH, the established subnational committees were not able to deliver on their functions effectively.

AFROHUN DRC developed a training module that helped to train the South-Kivu OH committee. This training module was therefore adopted by the NOHP to extend trainings to other provinces. In the future, partners including AFROHUN will provide support to train the remaining provinces under the leadership of NOHP and using the module developed by AFROHUN.



## NEXT STEPS

- ➔ We plan to conduct the Training of Trainers for the territorial administrators' training, as planning meetings have already started and the activity implementation is scheduled for April 2023.
- ➔ Using the two existing field attachments, one in Nsele (Kinshasa) and another in Kashamata (near Lubumbashi), AFROHUN DRC will conduct the field demonstration site activity between April and May 2023.



DRC

# ONE HEALTH CHAMPION



## VICTOR OKOMBE EMBEYA

### Job Title

Professor of Veterinary Medicine and Dean of University of Lubumbashi, School of Veterinary Medicine.

### Professional Credentials

Bachelor of Veterinary Medicine, Master of Science in veterinary Medicine, PhD

### Role within the OHW-NG Project

Dean of School of Veterinary Medicine

### Affiliation

University of Lubumbashi



*“The One Health approach is the ideal option to solve issues related to human and animal health in their respective environments at the same time. There’s a need to improve the way we think and train students.”*



### Individual's Impact

Prof. Okombe is the Dean of the School of Veterinary Medicine, a member institution of the network, and has provided leadership and support during activity implementation in Lubumbashi. He coordinated and engaged Deans of different schools to get students to participate in trainings and field demonstration site events and other OHW NG capacity building activities. Students benefitted from the rich experience of the Dean and other faculty.

DRC I : DRC's OH Champion –Victor Okombe Embeya. Photo source: AFROHUN DRC.





# SUCCESS STORY

## Creating a Trickle-Down Effect: Decentralizing Training for One Health Platforms

Since the creation of the DRC National One Health Platform in 2011, there have been no subnational committees. Decentralizing the One Health Platform is one of the objectives of the National One Health Strategic Plan 2022-2027. In 2022, the process of establishing sub-national One Health Platforms was started, and after a two-day sensitization, six provincial One Health committees were established in Kongo Central, North Kivu, South Kivu, Haut-Katanga, Kasai-Oriental and Tshuapa. Most of the platform members were not trained in OH despite being OH committee members. This training gap was creating challenges in understanding the approach and applying it at the subnational level.

The South-Kivu provincial One Health Platform, one of the newly established groups, reached out to GIZ and requested capacity building in the OH approach. A partnership between GIZ and AFROHUN DRC was created, and a 5-day OH training workshop was designed and delivered. The training was held from November 28<sup>th</sup> to December 02<sup>nd</sup> 2022 in Bukavu, South-Kivu, involving 32 members of the OH Committee. These participants came from different ministries at the provincial level including health, livestock and fisheries, environment and conservation, civil society, Red Cross, and local partners. The training covered the following topics: introduction to Health; OH competencies; using system

thinking to map key OH challenges; disease surveillance and information sharing; risk analysis and risk communication for community engagement; and partnership engagement. A field visit to the local abattoir was organized to see the human-animal interface.

*“This training workshop helped us to understand why we really need to improve collaboration under the One Health approach. We also understood that this is really needed during preparedness and response for most of the health emergencies we are facing in our province.”* **Dr Patrick Murhula**, Coordinator of the South Kivu provincial One Health Platform

*“This training was very interesting for us; we really liked the topics covered and the methodology used by trainers. We have a lot of issues that require us to successfully implement the One Health approach in our province.”* **Mr Patrick Birali**, member of the South Kivu provincial One Health Platform.

This training will be used as a model by the National One Health Platform to train the remaining provinces in the country where the provincial OH platforms were created.

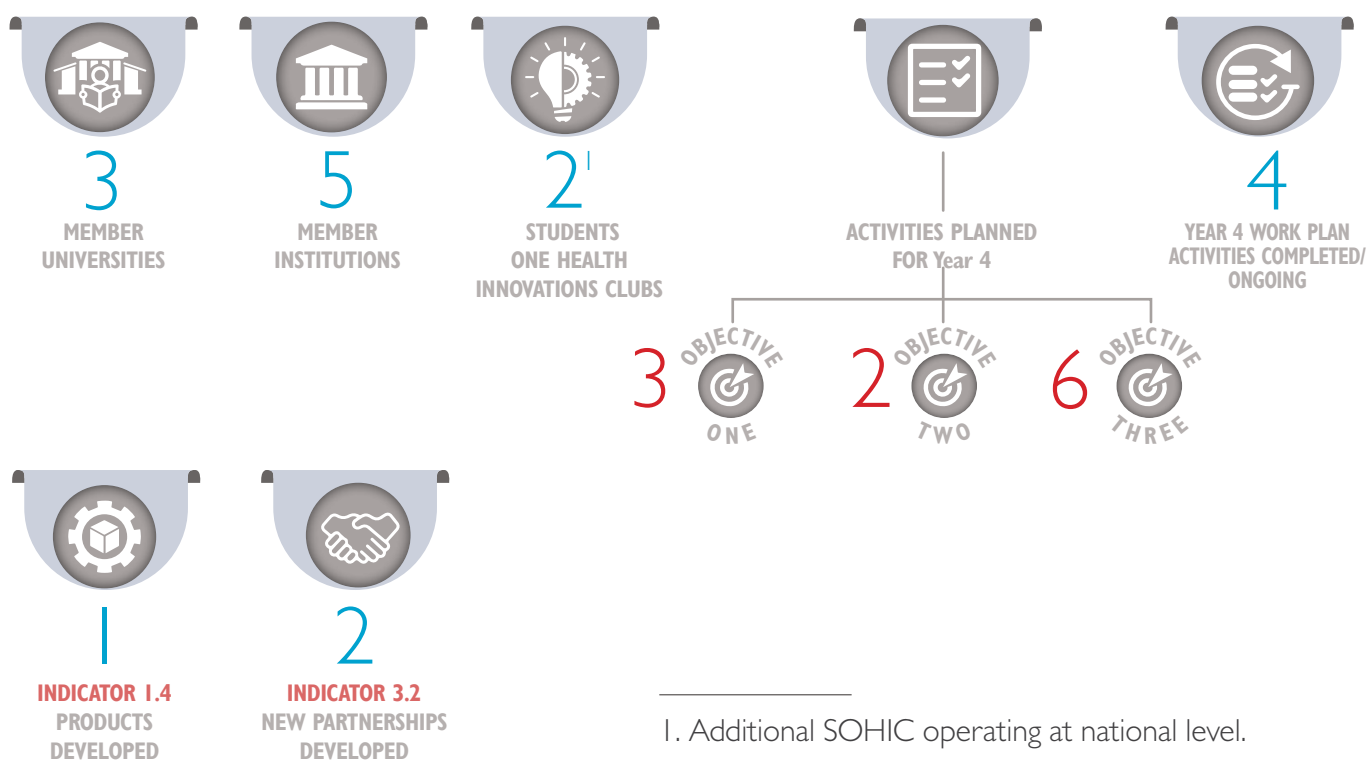


DRC 2 :The Congo Basin peatlands. Photo source: news.mongabay.com

# ETHIOPIA



## Dashboard Overview of Year 4



## HIGHLIGHTS



- ➔ Conducted a kickoff meeting to discuss the approved Year 4 activities, budgets and, selection of Thematic and Activity Leads. (October 2022)
- ➔ Organized a meeting with all deans, directors, board members and administrative staff to discuss the current status and challenges of the project. (February 2023)
- ➔ Submitted in collaboration with University of Bologna, a project proposal "Support to the Veterinary Education in Wolaita Region in Ethiopia" running from February to December 2023. (October – November 2022)

# ACTIVITIES



## OBJECTIVE 1

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### **ET Activity 1.4.2 Conduct One Health advocacy and sensitization for Ethiopia Student One Health Innovations Club and beyond**

- AFROHUN Ethiopia held a planning meeting with the Thematic Lead and One Health (OH) advocacy program on March 20, 2023.



## OBJECTIVE 2

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### **ET Activity 2.1.1 Support tracking and engagement of the One Health risk analysis training**

- The Thematic Leads and experts were selected by the Deans.
- The experts had a virtual meeting on March 21, 2023 to develop the risk analysis training methodology
- Data collection and communication with alumni commenced.

## OBJECTIVE 3

### ET Activity 3.2.1 Support the establishment of the One Health Training, Research and Outreach Centre at Jimma University

- AFROHUN Ethiopia supported technical experts at Jimma University to assess national and international best practices and to develop guiding documents (conceptual and strategic plan documents) for the establishment of the One Health Training, Research and Outreach Centre at Jimma University (JU-OHROC).
- AFROHUN Ethiopia submitted the strategic plan to the university senate for approval.
- Presented the guiding documents for the establishment of the OH center for validation to 20 experts and regional leaders.

### ET Activity 3.2.2 Conduct quarterly performance review meetings

- AFROHUN Ethiopia organized a virtual meeting on Feb 7, 2023 with all Deans, Directors, Board members and administrative staff to review progress and challenges of the project.
- ET Activity 3.3.2 Participate in GHSA partners and national One Health steering committee meetings
- AFROHUN Ethiopia attended the National One Health Steering Committee (NOHSC) monthly meetings held on Feb 6, 2022 and March 7, 2023.

- On March 8, 2023, AFROHUN Ethiopia held a discussion for potential collaboration and partnership with the World Health Organization (WHO) One Health officer at the United Nations Economic Commission for Africa (UNECA) - Ethiopia office.
- On March 6, AFROHUN Ethiopia held discussions with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) to identify opportunities for collaborative work on OH in Ethiopia.
- AFROHUN Ethiopia presented its OH work to the World Organization for Animal Health (WOAH) and World Association for Buiatrics (WAB) international workshop on March 8, 2023.
- On March 15-16, 2023, AFROHUN Ethiopia presented a keynote speech in the OH workshop organized by International Livestock Research Institute (IRLI) Addis Ababa for the Capacitating One Health in Eastern and Southern Africa (COHESA) project.
- Out of the seven capacity building courses in the partnership project with University of Bologna and Wollo university entitled 'Capacity Building Training in the context of One Health', AFROHUN Ethiopia implemented one course from October 24- 28, 2022 for Students, university professors and local professionals in Amhara regional state.



# LESSONS LEARNED

## Utilizing shared resources from different institutions to work together

### Background

Following the series of advocacy and sensitization events conducted by AFROHUN Ethiopia, many universities have requested for network membership and to participate in OH related activities.

### The Challenge

Though AFROHUN is interested in taking on members from other universities, inadequate funds remain a challenge.

### Lesson Learned

Efforts have been made to utilize shared resources from different institutions and the university themselves to cover the expenses of their respective persons to participate in OH activities.



## NEXT STEPS

- ➔ Organize the Center for OH launch workshop in Jimma University, where funders and implementing institutions will be invited.
- ➔ AFROHUN Ethiopia will implement the Integrated Disease Management (IDM) and OH Risk Analysis training in all member institutions.



ETHIOPIA

# ONE HEALTH CHAMPION



## FEYESA REGASSA GELETA

### Job Title

Lead Researcher and IHR-NFP (International Health Regulating National Focal Point)

### Professional Credentials

Diploma in Veterinary Medicine, Master of Science in Tropical Veterinary Epidemiology

### Role within the OHW-NG Project

Chairperson and member of the National One Health Steering Committee (NOHSC) - Oversees, guides, and supports AFROHUN – Ethiopia’s plans and activities in alignment with government needs.

### Affiliation

Ethiopian Public Health Institute



*“Integration through a OH approach in governments and societies is at times not an option; it is a must to ensure national and global health security through effectively addressing emerging and re-emerging health threats.”*



### Individual's Impact

Dr Feyesa is a co-founder of the NOHSC. He has led the committee since its establishment in 2016 and serves as the chairperson. He organized and led the National Action Plan for Health Security, and the development of strategic OH documents including the OH 5-year strategic plan, rabies elimination program and, anthrax prevention and control program. Dr Feyesa played a crucial and leading role in ensuring a sustainable national OH platform. He has also helped coordinate and

deploy multi-sectoral rapid response teams for zoonotic disease outbreak investigation and response. During the preparation of AFROHUN annual plans, he ensured the alignment of activities to government needs and continuously provided follow up, guidance and feedback on AFROHUN’s activities. Overall, he is at the frontline advocating for OH at all national meetings and events.

ET 1: Ethiopia's OH Champion – Feyesa Regassa Geleta. Photo source: AFROHUN Ethiopia.



# SUCCESS STORY

## The Impact of OH Trainings: A Personal Experience of Hentsa Hadush Desta in Ethiopia

Hentsa Haddush Desta holds a Master of Public Health and Bachelor of Science in Nursing. He is also an Epidemiologist and Health Systems Strengthening specialist as well as an International Program in Public Health Leadership (IPPHL) Fellow. Despite his impressive background, Hentsa was not originally trained in One Health (OH) and had little opportunity to collaborate with other sectors to address the many health related, natural and human made challenges frequently found in Ethiopia.

To address this gap, AFROHUN Ethiopia, with support from OHW-NG project, conducted a series of OH related meetings, workshops, advocacy and sensitization events and OH Risk Analysis trainings for in-service professionals over the last four years. Hentsa was among those that benefited from some of these trainings and activities, where he gained valuable skills in risk analysis and managing and responding to disease outbreaks. His engagement in AFROHUN programs has led to instrumental contributions to the development of OH strategic and operational plans as well as a roadmap for operationalizing OH at all levels of the health care system in Ethiopia. He has excelled at creating connections between multiple sectors and academia.

After completing various trainings in OH and multi sectoral collaboration with AFROHUN Ethiopia, in May 2020 Hentsa was assigned by the Africa CDC to support COVID-19 preparedness and response efforts in the Tigray region of Ethiopia, while also supporting emergency and humanitarian responses caused by the civil war. He led the national teams in fighting COVID-19 in Ethiopia.

Currently, Hentsa Haddush Desta works with Africa CDC as a National Coordinator in the Division of Disease Prevention and Control, at the Eastern Africa Regional Coordinating Center based in Nairobi, Kenya to support 14 Member States.



**ET 2: Supervision in Gambella region while assessing OH activities in the fight against zoonotic and neglected tropical diseases. Photo source: AFROHUN Ethiopia.**

Hentsa said, *“The long-time engagements with OHCEA and AFROHUN, the One Health related knowledge and One health leadership skills I acquired during my stay with AFROHUN helped me in enhancing my career and my successful accomplishments in national and international positions. I can confidently say AFROHUN has contributed a lot in One Health workforce development. I recommend all friends to read and use the huge One Health related resources found on the website of AFROHUN ([www.afrohun.org](http://www.afrohun.org)).”*

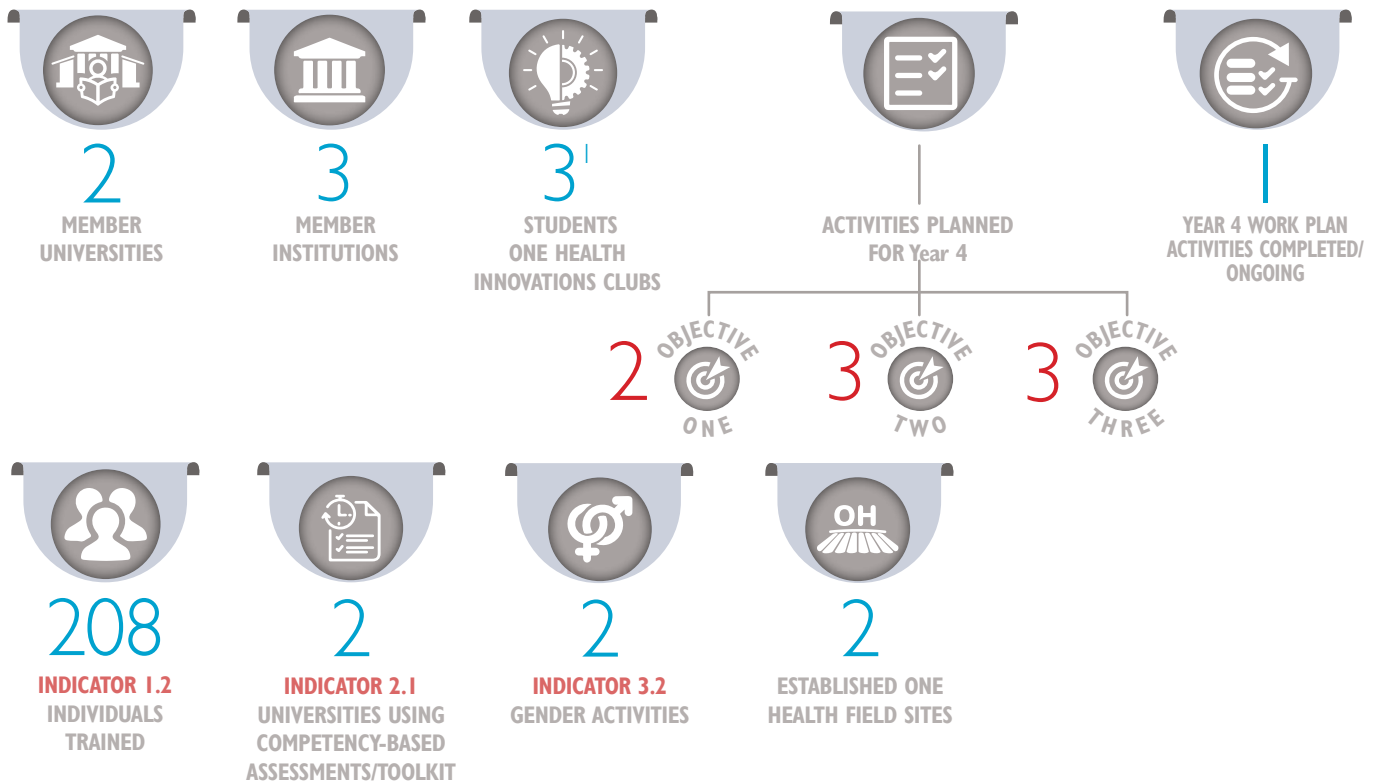
The trainings, advocacy activities and the reading resources provided by AFROHUN Ethiopia are positively impacting the workforce capacity at individual, institutional and country levels. AFROHUN's trainings and OH resources can be used not only as a ladder to climb higher, but also to attain relevant positions that strategically address the current complex and challenging health problems.



# KENYA



## Dashboard Overview of Year 4



1. There are 3 additional SOHICs in 3 non - member universities

## HIGHLIGHTS



- ➔ Sensitized 208 students including members of the Student One Health innovation Club (SOHIC) from University of Nairobi, Faculty of Veterinary Medicine on workforce readiness. (November 2022, March 2023)
- ➔ Facilitated the placement of a SOHIC alumna in a paid internship within a Global Health Security Agenda (GHSa) partner organization. (March 2023)

# ACTIVITIES



## OBJECTIVE 1

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### **KY Activity 1.3.1 Develop online content for training frontline health workers**

- Activity implementation schedules developed.
- Planning meetings held and assignment of roles and responsibilities completed
- Key stakeholders within the country to be invited to make their contributions and enrich the training content.



## OBJECTIVE 2

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### **KY Activity 2.1.1 Implement the One Health alumni engagement strategy**

- A call for engagement of a subject Matter Expert (SME) was developed, advertised and evaluation of expressions of interest conducted for award.
- Development of the alumni database is ongoing.

### **KY Activity 2.2.1 Hold a 3-day workshop to develop a draft guidance document/training manual for primary schools**

- Activity implementation schedules developed.
- Planning meetings held and assignment of roles and responsibilities completed.
- The workshop is planned to be held in quarter three when the primary school teachers are on recess.
- Key stakeholders within the country to be invited to make their contributions and enrich the training content in quarter 3.



## OBJECTIVE 3

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### **KY Activity 3.1.1 Participate in the global all-country consortium meeting in Entebbe**

- Planning meetings held with AFROHUN secretariat where responsibilities were assigned to the countries, providing an opportunity for ownership, teamwork and diversity of ideas essential for a successful event.



# LESSONS LEARNED

## Enhancing the SOHIC members competitive edge for workforce placement

### Background

Kenya's large youth population and stiff competition for scarce employment opportunities has resulted in a high youth unemployment rate. Through SOHICs, AFROHUN Kenya continues to work towards building capacities of students and getting them workforce ready.

### The Challenge

Despite enhancing efforts to build students' skills and capacities in prevention, detection and response to infectious diseases and other public health threats, some students were observed to lack soft skills, thereby negatively affecting their employability and subsequent contributions in the workforce. These were brought to the fore during a process of facilitating a paid internship for a SOHIC student or alumna with a partner organization.

### Lesson Learned

AFROHUN Kenya learned that it is important to create a competitive edge for SOHIC members, through sensitization on how to build their personal brand from an employer's perspective, among other areas of improvement. AFROHUN Kenya partnered with TRANSFORM project under Cargill for such a session and intends to continue supporting SOHIC members through student mentorship sessions.



## NEXT STEPS

- ➔ AFROHUN Kenya plans to continue with the development and implementation of the alumni database. Current students, alumni of AFROHUN Kenya training programs as well as OH experts in Kenya will be invited to register in the database.
- ➔ Additionally, AFROHUN Kenya intends to continue participating in preparations for the global all country consortium meeting in Entebbe.
- ➔ Further AFROHUN Kenya plans to implement workshops for the development of online content for frontline workers, as well as the development of a OH training manual for primary school teachers.



# ONE HEALTH CHAMPION



## DR. JUDITH MANGENI

### Job Title

Lecturer

### Professional Credentials

Bachelor of Science in Nursing, Masters in Public Health, PhD

### Role within the OHW-NG Project

Thematic Lead for Faculty development and academic offerings and Policy and Partnership engagements.

### Affiliation

Moi University



*“It is not one giant step that does it. It’s lots of little steps.”*



### Individual's Impact

Judith coordinated a team of faculty from participating universities across the AFROHUN Kenya chapter to write up and showcase the activities they have been doing in their various workstreams. Their collective focus on writing resulted in several manuscripts and policy briefs, for publication in various journals and on Google Scholar. She also initiated the development of the first AFROHUN Kenya OH newsletter. These regular newsletters help keep everyone informed about OH implementation success stories in Kenya.

A lecturer and epidemiologist, Judith's research is mainly in communicable disease control. She is passionate about addressing multifactorial OH challenges through research and ensuring this information is visible to policy makers and other stakeholders through publications. Judith plans to ensure the writing culture is inculcated throughout the AFROHUN faculty and all of the thematic work stream activities.

We are starting with small steps and hope to grow!

KY I : Kenya's OH Champion – Judith Mangeni. Photo source: AFROHUN Kenya.



# SUCCESS STORY

## Supporting Students One Health Innovations Club members to contribute to One Health workforce needs.

AFROHUN Kenya has continued to develop the capacity of SOHIC members through availing opportunities to enhance their skills and prepare for the workplace.

On behalf of the Veterinary Medicine SOHIC, AFROHUN Kenya invited Cargill Kenya limited for a two-hour session, where 126 students in Years 2 to 5 of their Bachelor of Veterinary Medicine Studies learned about employment readiness skills from an employer's perspective.



**KY 2: Valentine preserving *Glossina* species Collected in Kibwezi. Photo source: AFROHUN Kenya.**

*This enabled them to improve their personal brand, enhance their employability, and understand how to make a professional*

*contribution in the workplace. SOHIC provides a platform for students to develop skills and gain hands-on experience in leadership, teamwork, communication, project management, data analysis, and scientific writing”* **Valentine Ochar, SOHIC Member**

With this exposure, and as part of the USAID GHSA initiative including promoting partnerships for impact and creating opportunities for youth to grow their skills and enhance their employability Cargill Kenya Limited partnered with AFROHUN Kenya to provide an internship opportunity to a recently graduated OH alumna. Following a recruitment process that involved interviewing candidates nominated by AFROHUN Kenya, Valentine Ochar, a Bachelor of Veterinary Medicine graduate, and member of the AFROHUN Kenya Students One Health Innovations Club (SOHIC), was selected.

Part of the duties that Valentine is involved in during the internship include; undertaking research and developing training materials and brochures.

She is also involved in organizing farmer trainings and workshops, logistical support and communicating with farmers, data collection during farmer surveys, analysis and interpretation of results. She is providing general administrative support to the TRANSFORM function and involvement in the monitoring of poultry and dairy trials.

Feedback received from the Employee Experience /ER /IR Lead - Kenya, at Cargill



KY 3: Linet Anyika, Employee Experience /ER /IR Lead at Cargill Kenya Limited, facilitating a student mentorship session titled 'A Brief Guide on Your Personal Brand & Job Search', for SOHIC members and other students.

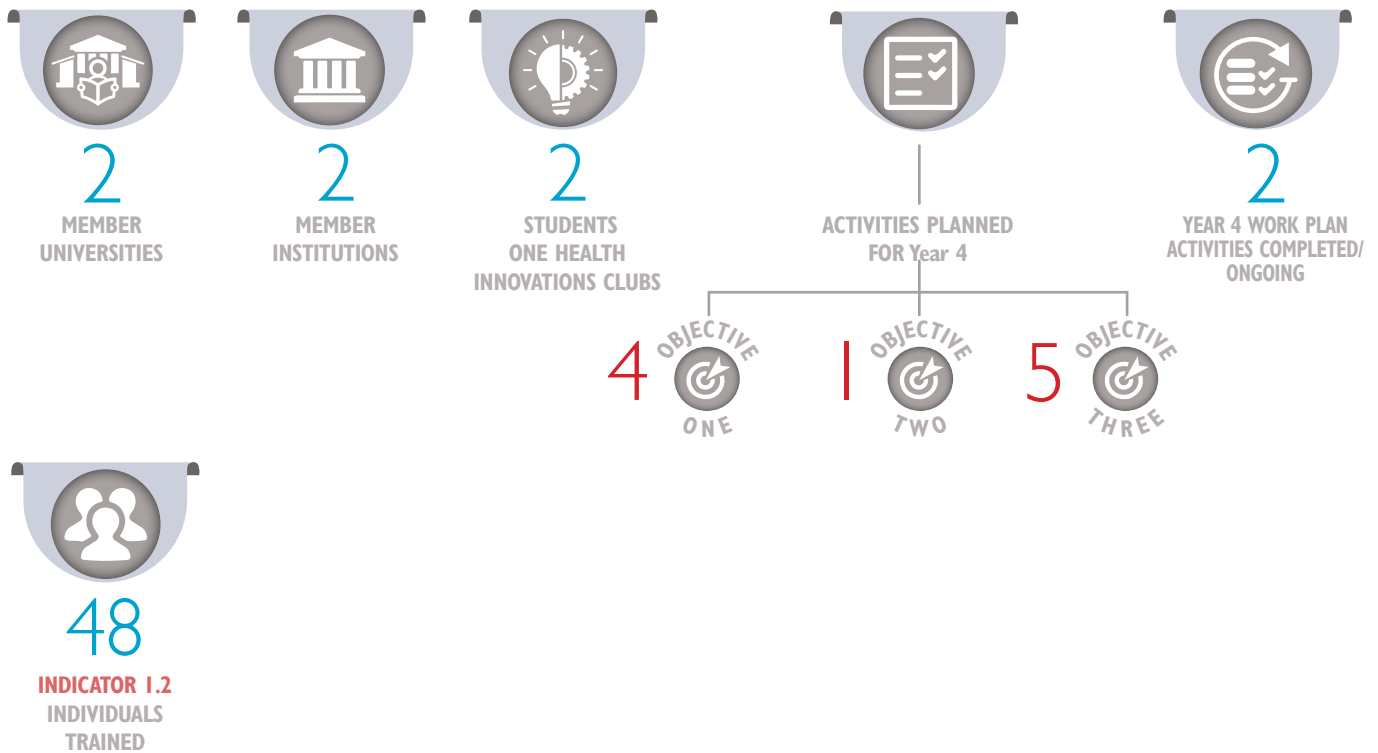
Kenya Limited indicates that the organization is happy with her performance, noting that Valentine has: *“risen to the occasion, is proactive and integrous.”*

*“I can attest that the skills and competencies I gained through the SOHIC experience, and the competencies taught in One Health module in class, have played a crucial role in enabling me to secure an internship position at Cargill. The combination of my academic training and involvement in the One Health Innovations Club enabled me to demonstrate my understanding of the One Health approach and the competencies required to implement it, illustrating my readiness for the internship position,”* **Valentine Ochar, SOHIC Member.**

# RWANDA



## Dashboard Overview of Year 4



## HIGHLIGHTS

- ➔ Sensitized 25 faculty and Heads of Departments from two vocational training institutions on One Health (OH) competencies. (March 2023)
- ➔ Supported faculty and course leaders on strategies to mainstream at least ten OH modules into teaching courses (March 2023).
- ➔ Conducted the Global Case Competition (GHCC) for over 150 Student One Health Innovation Club (SOHIC) members from University of Rwanda (UR) and University of Global Health Equity (UGHE), which improved students skills in risk analysis and risk communication. (April 2023)

# ACTIVITIES



## OBJECTIVE I

### **Activity RW 1.1.1 One Health sensitization and integration of OH modules in curricula for vocational training institutions**

- Three Subject Matter Experts (SMEs) sensitized Heads of Departments and course leaders of Kitabi and Huye Integrated Polytechnic Regional Centres (IPRCs) to improve OH curricula at IPRCs.
- Vocational training institutions were equipped with a clear understanding and the relevance of OH competencies to their courses and each faculty prioritized modules to incorporate.
- AFROHUN led the discussion with IPRCs on steps to mainstream identified modules in existing courses.
- An agreement was reached between AFROHUN and IPRCs to continue working together and to extend this partnership into other areas like research and students' mentorships.
- IPRCs proposed to strengthen the relationship through a Memorandum of Understanding (MoU) with AFROHUN.

### **RW Activity 1.4.2 Organize and implement a national Global Health Case Competition**

- OH case competition is an important tool that enhances students' ability to analyze a health case scenario and propose appropriate OH oriented mitigation actions.
- Phase one of the student OH case competition was held at all campuses of University of Rwanda and University of Global Health Equity (UGHE) under the theme **“A holistic Approach to Combating Avian influenza in East Africa: A One Health Solution”**
- Multidisciplinary teams at each university were formed and they competed against one another. The winning team will proceed to the national finals to be held in Kigali, April 2023.
- This year's competition attracted 20 teams at the campus level and seven teams (a team from each campus) qualified for the finals. Adjudicators from our key partners; the Rwanda Food and Drug Authority (FDA), the Rwanda Biomedical Center (RBC) and the Rwanda Development Board (RDB) have been invited to the finals. These partners have a OH approach program in their portfolio.





# LESSONS LEARNED

## AFROHUN Rwanda extends constructive engagement to vocational training institutions to advance OH approach

### Background

In the past, integration of OH competencies in teaching curricula within Universities has been successfully carried out by AFROHUN. However, our other partners, the Vocational Training Colleges (VTCs) have yet to reach this stage. Therefore, major efforts have been placed on bringing vocational schools on board, because we believe that various courses they teach to students have relevance to OH. It was vital to embed in the curriculum OH competencies to teach the next generation Workforce that all courses, all disciplines can contribute to OH.

### The Challenge

Despite enhancing efforts to build students' skills and capacities in prevention, detection and response to infectious diseases and other public health threats, some students were observed to lack soft skills, thereby negatively affecting their employability and subsequent contributions in the workforce. These were brought to the fore during a process of facilitating a paid internship for a SOHIC student or alumnus with a partner organization.

### Lesson Learned

Curriculum development in the Rwanda Polytechnic systems is top-down, meaning that individual course leaders have a predetermined curriculum with limited room to maneuver and/or create changes with flexibility.

However, various engagements were held between AFROHUN and the vocational schools' module leaders to create awareness but also discuss ways in which OH competencies could be embedded in the standard trainings.



## Enhancing students risk investigation skills through exposure to case scenarios

### Background

Many tools and avenues are available to enhance students ability to critically analyze causes, course and response to real or potential disease outbreaks. Such avenues include but are not limited to student debates, field experiential learning in demonstration sites or real time field investigations. This year, AFROHUN Rwanda has chosen student debates as the best approach under existing country context.

### The Challenge

By far, the biggest challenge to skills building was inadequate funds in the face of the need to reach out to as many learners as possible.

### Lesson Learned

AFROHUN Rwanda identified strategies for implementation that will enable it to meet its objectives cost-effectively. Utilizing a series of debates around provided case scenarios was considered to be a pragmatic mechanism to reach out to as many multidisciplinary students as possible. Besides, debates improved students' communication skills and ability to address public gatherings confidently. Finally, it proved to be a cost effective method of achieving the desired objective.



## NEXT STEPS

- AFROHUN Rwanda will continue to strengthen a working relationship with IPRCs. During our engagement with them, we discovered many opportunities for example, collaboration in research and community engagements. As a first step in operationalizing this collaboration, AFROHUN was invited to start taking part in and contribute to public debates organized by the institutions. This is a good opportunity for us to continue creating awareness in OH and how each course they offer can contribute to it.
- Regarding the development of students' skills and capacity to identify, prevent and respond to zoonotic diseases and other health concerns, we shall continue to prioritize students case competitions as of practical option to achieve the objective in the absence of adequate budget, and will work hard to institutionalize it for sustainability.



# ONE HEALTH CHAMPION



## Assoc. Prof. Madeleine MUKESHIMANA

### Job Title

Associate Professor of Nursing (Community Health)

### Professional Credentials

Masters in Community Health, PhD.

### Role within the OHW-NG Project

Activity Lead for grant writing

### Affiliation

University of Rwanda



*“I always agree with Albert Howard who once said, the health of soil, plant, animal, and man is one and indivisible”*



### Individual's Impact

As the former Dean of the School of Nursing and Midwifery, Prof. Mukeshimana was key in initiating and implementing the integration of OH content into Nursing and Midwifery curricula as well as involvement of nursing and midwifery students in SOHIC activities.

She led the Continuous Professional Development (CPD) for the Nursing and Veterinary Councils, to learn about OH and about how to incorporate OH topics into CPD

courses for all members of councils. In 2022, Prof Mukeshimana also coordinated a grant writing activity, that led to the development of proposals which were submitted for funding.

To date, she actively participates in different OH community outreach and other OH related activities where she continues to involve faculty and students.

RW 1: Rwanda's OH Champion – Assoc. Prof. Madeleine MUKESHIMANA. Photo source: AFROHUN Rwanda.



# SUCCESS STORY

## Creating One Health partnerships with vocational training institutions through curriculum review and beyond

Over the years, AFROHUN Rwanda has trained multidisciplinary cohorts of OH Workforce members to identify, respond and prevent emerging and re-emerging zoonotic diseases and other health threats, using a suite of OH modules, field experiential learnings and SOHICs. The training has traditionally targeted university students. With the new drive to be an all-inclusive capacity development institution, and the need to expand our partnership base, it was agreed to move beyond university walls and reach out to vocational, technical training institutions. This is because graduates of these institutions also have a role to play in responding to emerging health threats.

Even though many of these vocational institutions offer courses such as Animal Health, Wildlife, Forestry and Environmental Sciences, Tourism and Hospitality among others, many module leaders have no idea about the OH approach.

A two-day engagement with Heads of Departments (HoDs) and course leaders at Kitabi and Huye Integrated Polytechnic Regional Centers (IPRC) of the Rwanda Polytechnic (RP) was carried out with the aim of sensitizing management and HoDs/module leaders about OH, and to discuss modalities that would facilitate mainstreaming AFROHUN's OH competency modules in the vocational training curricula.



RW 2: Faculty and Heads of Department discussing during the OH sensitization meeting at IPRC HUYE. Photo source: AFROHUN Rwanda.

Our proposed steps on how to proceed in each course was unanimously adopted. At the beginning of the talk, the Deputy Principal in charge of Academic and Training (DPAT) at Huye Integrated Polytechnic Regional Centre had this to say:

***“I must confess, I do not know what One Health is all about” and at the end of the discussion he said, “... I now have a better understanding of the concept and its relevance in our training programs.”***

The Head of IT Department of Kitabi Integrated Polytechnic Regional Centre said, ***“I can now appreciate the role of Information Technology in advancing One Health – it does not involve only medical personnel, but all of us. We are in it together”***.

It therefore became clear to us that sensitization on the OH concept was a prerequisite to introduction of OH competency modules into vocational training curricula.

At the conclusion of our trip, the Deputy Principal in charge of Academic and Training at Rwanda Polytechnic invited AFROHUN Rwanda to be a regular guest at their weekly public talks where OH will feature prominently. An MoU was strongly suggested to expand the cooperation beyond curriculum development to include other areas like research, further training, common projects development and implementation. It was gratifying to note that what started as curriculum development was now taking shape into a wider scope of cooperation. We believe that OH institutionalization in these IPRCs is on the right path of development and that the ground has been laid to enhance AFROHUN - IPRCs cooperation and partnership.

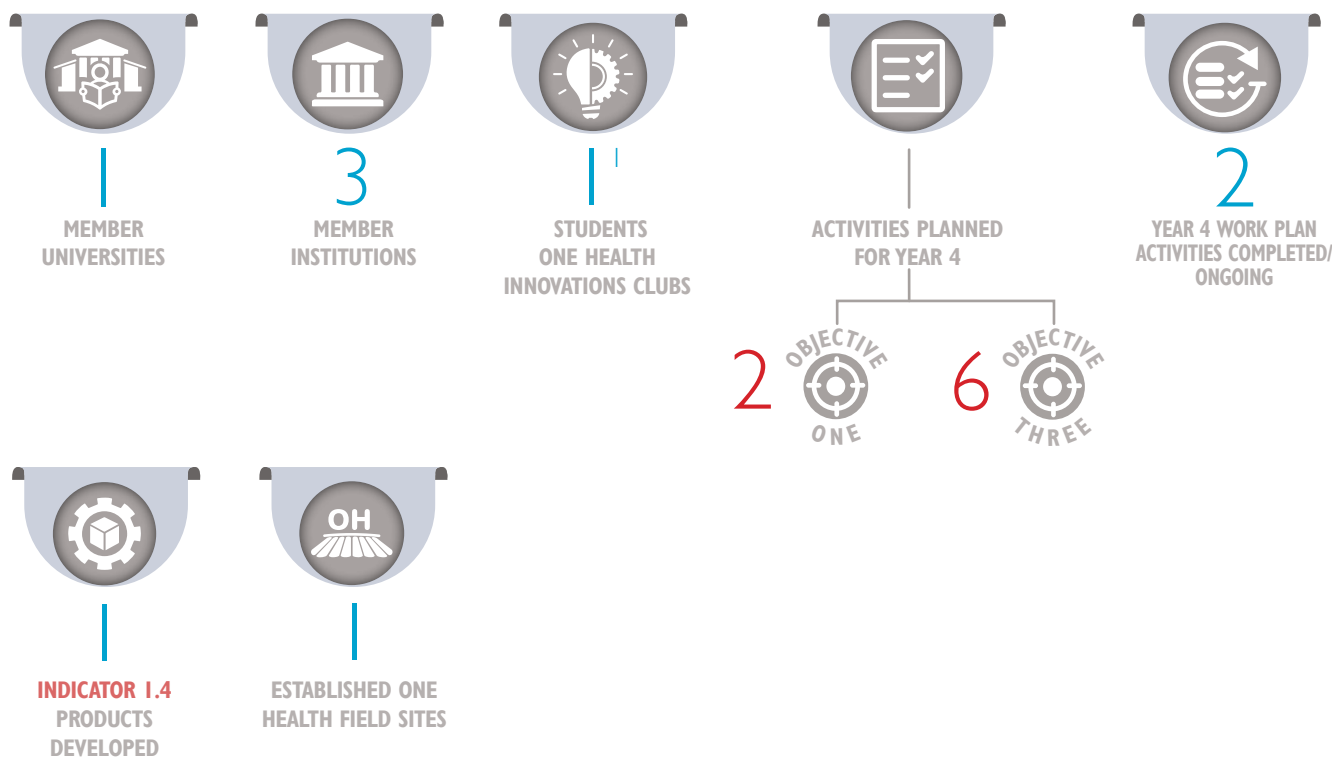


RW3: Banana Market on the shores of Lake Kivu. Photo source: <https://cdn.britannica.com/>.

# SENEGAL



## Dashboard Overview of Year 4



1. There are additional SOHICs in four non-member universities.

## HIGHLIGHTS

- ➔ Convened a handover meeting between the former and the incoming Students One Health Innovations Club (SOHIC) leadership (February 2023) – *Other activity not in the workplan.*
- ➔ Participated in USAID Implementing Partners (IPs) meetings and government partner meetings, thereby strengthening collaboration and enhancing AFROHUN network's visibility. (October 2022 to March 2023)
- ➔ Supported the Mali National One Health Platform (NOHP) to train 34 members on One Health (OH) principles and competences (February-March 2023) – *Other activity not in the workplan.*

# ACTIVITIES



## OBJECTIVE 1

### **SN Activity 1.4.1 Organize a One Health Field Experiential learning training for students**

- Implementation schedule populated.
- Training areas and trainers identified.
- Call for student applications for the OH Experiential Learning was launched.
- Coordination meetings are ongoing (one meeting was held on 23<sup>rd</sup> March 2023; another is scheduled for 3<sup>rd</sup> - 9<sup>th</sup> April 2023).



## OBJECTIVE 3

### **SN Activity 3.3.1. Establish a joint multidisciplinary program for sustainability of One Health research activities**

- Implementation schedule filled and identification of participants completed.
- One brainstorming meeting was organized to discuss technical support with the Global Consortium.

### **SN Activity 3.3.4 Participate in GHSA and other partners activities (Activity will be conducted if adequate resources are available.)**

- AFROHUN Senegal attended the USAID Health Department activities and those of other partners, both online and in person. These included:
  - ➔ Steering Committee of USAID and Ministry of Health (25<sup>th</sup> January 2023) meet and greet.

- ➔ Meeting to share the Ministry of Health's National plan for human resource development.
- ➔ Quarterly meeting of USAID IPs.
- ➔ Presentation in the USAID training on environmental compliance.
- ➔ Global Health Security Agenda (GHSA) 1<sup>st</sup> IP meeting.
- ➔ Meeting organized with the NOHP to share AFROHUN achievements in OHW-NG Year 3 and perspectives.
- ➔ Participated in a meeting organized by the NOHP to draft Terms of Reference for the National Action Plan.





# LESSONS LEARNED

## Learning from GHSA partners and enhancing collaboration in activity implementation

### Background

AFROHUN Senegal participated in GHSA partner meetings under the leadership of the GHSA advisor and specialist. The meetings are aimed at ensuring collaboration and experience sharing among partners to understand and highlight their contribution to the GHSA.

### The Challenge

During the meeting, it became clear that partners do not know much about GHSA, nor about the importance of aligning project activities to the GHSA. Partners were equally not aware of which other partners are working in the areas that feed into the GHSA.

### Lesson Learned

Attending GHSA implementing partners meetings has been key for AFROHUN Senegal to identify areas for collaboration, but also to learn through partners' experiences. AFROHUN Senegal shall continue attending such meetings and build strong collaborations to increase its visibility in the GHSA space, as well as to assure relevant impact of its activities with the GHSA arena.



## NEXT STEPS

- AFROHUN Senegal plans to train students who will be participating in the experiential field on theoretical aspects of OH and on emerging issues at the sites to be visited. This training will be organized online every Saturday (15 April to 6 May). Following this online training, students will acquire new practical OH skills at the Saint-Louis region sites from 21-27 May 2023.
- AFROHUN Senegal will hold brainstorming sessions to identify emerging questions on multidisciplinary research programs (based on national strategic documents and directions).



# ONE HEALTH CHAMPION



## MIGURI KALANDI

### Job Title

Assistant Professor, Department of Biological and Medical Physics and Chemistry

### Professional Credentials

Diploma in Veterinary Medicine, PhD

### Role within the OHW-NG Project

Thematic Lead - SOHIC, Applied learning

### Affiliation

École Inter-États de Sciences et Médecine Vétérinaires (EISMV, UCAD, Senegal)



*“OH teaches us a virtue of humility. This concept pushes us to get out of our comfort zone and open up to others. Through this concept, I was able to discover a part of health that we tended to neglect, namely the environment, which I believe is the key to health”*



### Individual's Impact

Since 2016, Dr Miguri played a critical role in setting up and supporting Students One Health Innovations Clubs (SOHICs) in Senegal. First as an Activity Lead during the One Health Workforce (OHW) project, then as Thematic Lead under the One Health Workforce-Next Generation (OHW-NG) project, Dr Miguri supports the SOHIC at Université Cheikh Anta Diop (UCAD) in its daily operations. Under his guidance during the expansion process,

AFROHUN Senegal created student clubs in 4 other universities. With an impressive amount of pedagogy, he supervises the clubs. At the AFROHUN country office in Senegal, Dr Miguri plays a considerable role not only in planning, implementation and follow-up of activities concerning the OH clubs; but also, in all domains where his expertise and support are needed.

SN I: Senegal's OH Champion – Miguri Kalandi. Photo source: AFROHUN Senegal



# SUCCESS STORY

## Experiences from the Seeds of the One Health approach: Students One Health Innovations Clubs (SOHICs)

Students One Health Innovations Clubs is a strategy through which students from different disciplines meet to learn and seek to apply OH principles and skills, under the supervision of one or more faculty. With the increasing number of complex health problems globally, there is need to prepare a skilled OH workforce that is ready to respond to emergencies. Developing such a workforce has been a challenge, given that most trainings offered at Senegalese universities are siloed and are inadequate in providing collaborative skills that are necessary to address complex problems.

In order to build a workforce that is able to work beyond disciplinary barriers, AFROHUN Senegal established a SOHIC at UCAD in Dakar. Initially, it was made up of students from three AFROHUN Senegal member institutions, namely the Interstate School of Veterinary Science and Medicine (EISMV), Institute of Health and Development (ISED), and the Institute of Environmental Sciences (ISE), but has now gradually opened up to include students from other disciplines. Through the club, AFROHUN trains and mentors students on key OH skills such as OH leadership, gender & OH, and communication. SOHICs were also expanded to other public universities to allow their students to benefit from these trainings.

Today, the club is increasingly sought after to participate in activities at national and international levels. At the national level, the SOHIC is regularly invited to participate in activities organized by the national OH

platform. As a result of this recognition, SOHIC students were selected to represent Senegal at a debate competition organized by the African Union (CDC Africa) in collaboration with FAO ECTAD during the global AMR awareness week

At international level, with funding from Academie de recherche et d'enseignement supérieur (ARES) and support from the AFROHUN Senegal, the club implemented a project focused on the fight against climate change, in collaboration with the One Health Club at the University of Liege and the Senegalese Institute of Agricultural Research (ISRA). This new experience was well appreciated by the students who were able to apply a number of skills learned in the field.

*"First of all I would like to thank AFROHUN and the SOHIC members, from whom I have learned a lot. Through the Climate-Smart Village project funded by ARES, I was trained on grafting techniques, establishment of tree nurseries and agro-fruit gardens. My public speaking skills have improved through awareness raising. I acquired new knowledge and a new vision of the environment through the One Health approach, in addition to discovering a part of Senegal and its socio-economic and cultural realities (Ziguinchor, Kaffrine),"* said **Ndeye Fatou Ndiaye**, Environmental Sciences student and the outgoing SOHIC treasurer at UCAD.



SN 2: Ndeye Fatou Ndiaye, a SOHIC leader in the field. Photo source: AFROHUN Senegal.

The testimony of the Deputy Secretary General of the outgoing SOHIC leadership committee also illustrates the impact of the club on his life. *"The One Health Students Club is an organization that promotes human, animal and environmental health. My stay with the club as a General Secretary allowed me to acquire new human and behavioral skills and experiences such as adaptability, leadership and agility, coupled with the ability to work in a multidisciplinary team,"* **Papa Ngom**, outgoing Deputy Secretary General, SOHIC

These experiences testify to the effectiveness of mentoring and capacity building carried out by AFROHUN and the various supervisors. They show that SOHICs are a good point of entry to promote multisectoral collaboration to face complex problems. However, even if this model promotes innovation, Papa Ngom noted that *"SOHICs are facing challenges, particularly at the operational level, in terms of community engagement and funding"* and need to be more prepared and active by strategically mobilizing alumni and other stakeholders to support SOHIC activities.

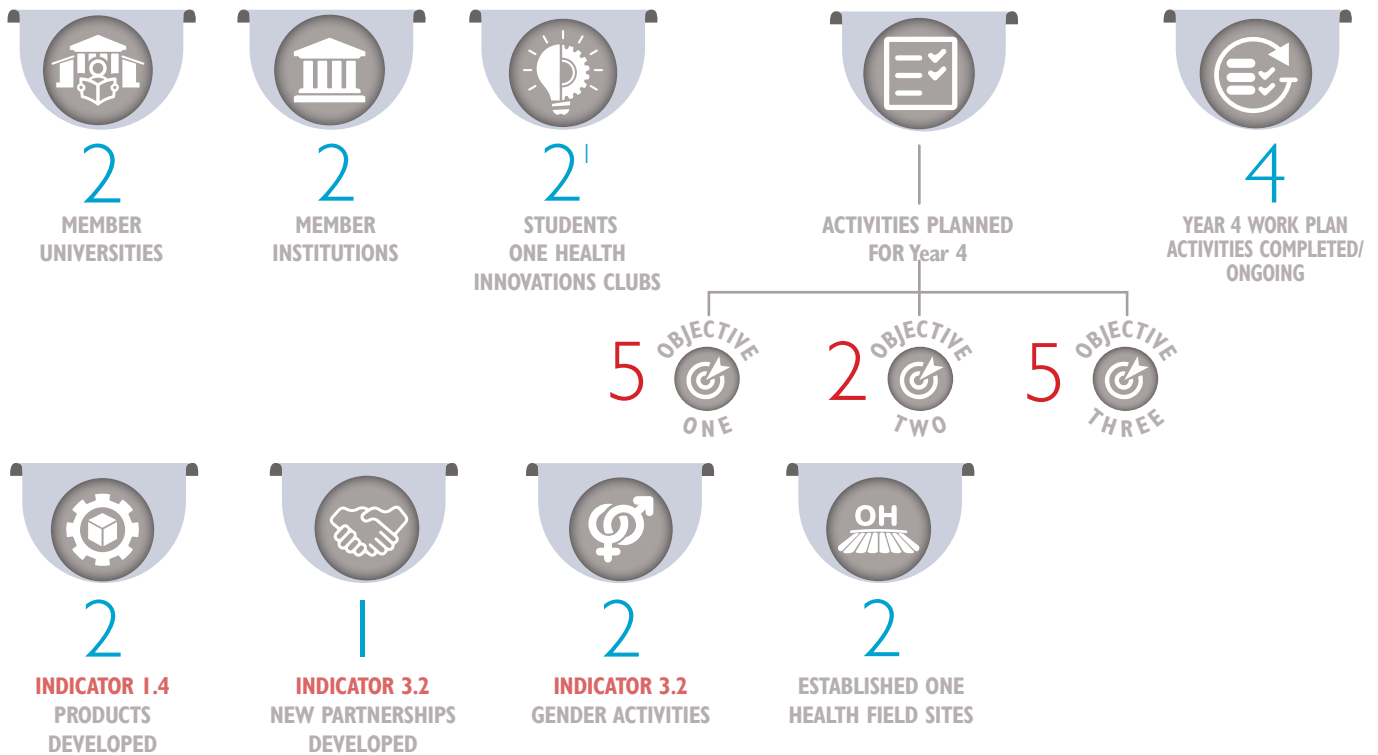


SN 3: Papa Amadou NGOM, a SOHIC leader receiving a certificate from AFROHUN Country Manager. Photo source; AFROHUN Senegal.

# TANZANIA



## Dashboard Overview of Year 4



1. There are additional SOHICs in four non-member universities.

## HIGHLIGHTS



- ➔ Provided technical support to 12 faculty from Higher Education Institutions (HEIs) to review existing curricula and integrate One Health (OH) content towards increasing the capacity of pre-service personnel to prevent, detect and respond to emerging pandemic threats. (March 2023)
- ➔ Supported eight government beneficiaries to integrate principles of OH into existing diploma and certificate curricula. (November 2022)

# ACTIVITIES



## OBJECTIVE I

### **TZ Activity I.1.5: Curricula review across institutions of higher education for integration of One Health content into existing curricula.**

- AFROHUN Tanzania provided technical assistance to HEIs to review their learning materials with a OH lens.
- Training facilitators from nine the participating institutions presented their OH training materials for review and improvement. Following this review process, presenters refined their curricular and shared with participants from other institutions to harmonize OH training across institutions.



**TZ 1:** Participants from Higher Education Institutions pause for a photo during the workshop to review curricula for integration of OH content. Photo source; AFROHUN Tanzania.

### **TZ Activity I.1.6: Conduct workshop to support ministry authorities to review and approve OH integrated curricula of diploma and certificate training programs.**

- AFROHUN Tanzania supported Government officials to integrate OH content into existing diploma and certificate curricula and to update existing facilitation guides for the tutors. The ministries will approve the integrated curricula for national roll-out and continue to refine the facilitators' guides.



**TZ 2:** Government officials during the workshop to integrate OH content into existing diploma and certificate curricula. Photo source; AFROHUN Tanzania.

# 3

## OBJECTIVE 3

### TZ Activity 3.2.3 Attend GHSA and other national level meetings

- AFROHUN Tanzania attended several workshops conducted by the Prime Minister's Office One Health Coordination Section and the Ministry of Health to assess progress of the International Health Regulation, Joint External Evaluation, and the Global Health Security Agenda (GHSA) in achieving the core capacities for prevention, detection and response to emerging pandemic threats including anti-microbial resistance and other Public Health threats of international concern.



## LESSONS LEARNED

### Curricula approvals: Overcoming overly long Curricula approval process

#### Background

Despite timely integration of OH content into existing diploma and certificate programs, there were still challenges in approval by the relevant ministries for national roll-out. AFROHUN contacted high ranking officials from the relevant ministries to try and resolve the problem.

#### The Challenge

Discussions with the officials revealed that the training institutions did not have facilitator guides for training manuals to assist the tutors to deliver the OH content. It was agreed that each ministry should update its guides and existing curricula to reflect OH content.

#### Lesson Learned

Strategic collaboration with and involvement of national level and other key stakeholders is critical for ensuring progress related to getting program buy in and approvals.

AFROHUN should continue to mobilize resources for training TOTs to deliver the content to a critical mass of the tutors.

## Bringing together University partners to integrate OH content into existing curricula

### Background

In a move to expand AFROHUN nationally we brought together university partners to start integrating OH content into existing curricula in the same way as the original network members Muhumbili University of Health and Allied Sciences (MUHAS) and Sokoine University of Agriculture (SUA). It was a gradual process which involved high ranking university leaders responsible for training. The university partners were sensitized on emerging pandemic threats and antimicrobial resistance as major complex problems requiring the OH approach as a solution.

### The Challenge

The move to expand AFROHUN nationally faced challenges related to other universities being entirely human health institutions which did not have animal health institutions to pair and collaborate with, as there is only one animal health university (SUA) in Tanzania. This delayed the OH integration process.

### Lesson Learned

Leveraging the experience of MUHAS and SUA was critical to the process. AFROHUN Tanzania invited facilitators from both MUHAS and SUA to the sensitization workshops to demonstrate how OH interdisciplinarity works. The workshops were also an avenue to encourage the human health universities to work with SUA, Ministry of Livestock and Fisheries, Ministry of Health, Ministry of Agriculture, environmental and wildlife sectors to prevent, detect and respond to the various health problems that require a OH approach.



## NEXT STEPS

AFROHUN Tanzania plans to:

- ➔ Continue providing technical support to universities to integrate OH content into their existing curricula
- ➔ Support Students One Health Innovations Clubs to implement OH related activities such as commemoration of the World Environmental Day among others.
- ➔ Support MUHAS and SUA to mobilize and implement the fee based CPD course to in-service personnel and members of professional bodies.





# ONE HEALTH CHAMPION



## MOURICE N. MBUNDE

### Job Title

Lecturer

### Professional Credentials

BSc, MSc, PhD

### Role within the OHW-NG Project

Activity Lead, SOHIC related activities

### Affiliation

Muhimbili University of Health and Allied Sciences



*“My desire is to see energetic, skillful students fully engaged in addressing issues requiring the OH approach.”*



## Individual's Impact

Mourice is a pioneer, co-founder, and champion of the OH clubs in Tanzania since 2012 when he was a student at SUA. At that time, he managed to sensitize and encourage students to join OH clubs and organized joint activities between students from MUHAS and SUA. He also sensitized students at St John's University and University of Dodoma to establish OH clubs. His infectious passion for OH made him engage with university students in the implementation of OH related activities.

This demonstrated commitment to OH led to his appointment as Co-Mentor of the SOHIC at MUHAS. In 2021, he was among the student supervisors during the rabies vaccination campaign in Kisarawe District, which applied the student workforce learning and service model. Mourice currently volunteers to assist students at other universities and colleges in Tanzania establish SOHICs.

TZ 3: Tanzania's OH Champion – Mourice N. Mbunde. Photo source: AFROHUN Tanzania.



# SUCCESS STORY

## “Ask me anything about Rabies”: using social media for Rabies education

Ms. Given Sam pursued her Bachelor of Science in Environmental Health degree from MUHAS. She was among 50 students who participated in the rabies vaccination campaign in 2021: where over 1,000 dogs and cats were vaccinated. This initiative, funded by the United States Agency for International Development (USAID) through AFROHUN, provides experiential learning opportunities to students through campaigns to sensitize communities on the control/ elimination of rabies and other priority zoonotic diseases in Tanzania.

Sam decided to do a free online course offered by the Global Alliance for Rabies Control (GARC). She obtained a Rabies Educator Certificate and a Community Coordinator for Rabies Certificate and; is using the knowledge gained in community outreach work as part of her current engagement as an intern with AFROHUN Tanzania



TZ 4: Given Sam (Front Center) with her colleagues pause for a photo during rabies campaign in Kisarawe District, Tanzania. Photo source; AFROHUN Tanzania.

As an alumnus of the Students One Health Innovation Club (SOHIC - MUHAS Chapter), she joined hands with club members to promote rabies awareness towards World Rabies Day in 2022 through an online campaign. Sam utilized Instagram, a popular social media platform among students and young people. The online campaign was named **'Ask me anything about Rabies'** and; it ran from August to September 2022. She made an introductory video clip to launch the campaign and showcased it on her Instagram page. The number of followers increased as well as numerous questions and comments about rabies. This was an effective way to reach young people in a short period of time that demonstrated the need to value and utilize social media platforms in creating and increasing awareness among young people.

*"The load of discussions and questions raised during this online campaign showed me the impact of social media on information sharing. We had very intense and exciting discussions on rabies. We were able to reach many more people in a short time. These tools should not be left behind"* **Given Sam, AFROHUN Tanzania Intern**

In addition to the online campaign, she made a painting to commemorate the World Rabies Day and launched her artwork under the title **'The High Fives'**, which further promotes rabies awareness.



**TZ 5: Given Sam displaying her painting that depicts One Health.** Photo source;AFROHUN Tanzania.

The online campaign activities made a great impact both at personal and community levels, reaching more than 10,000 people.

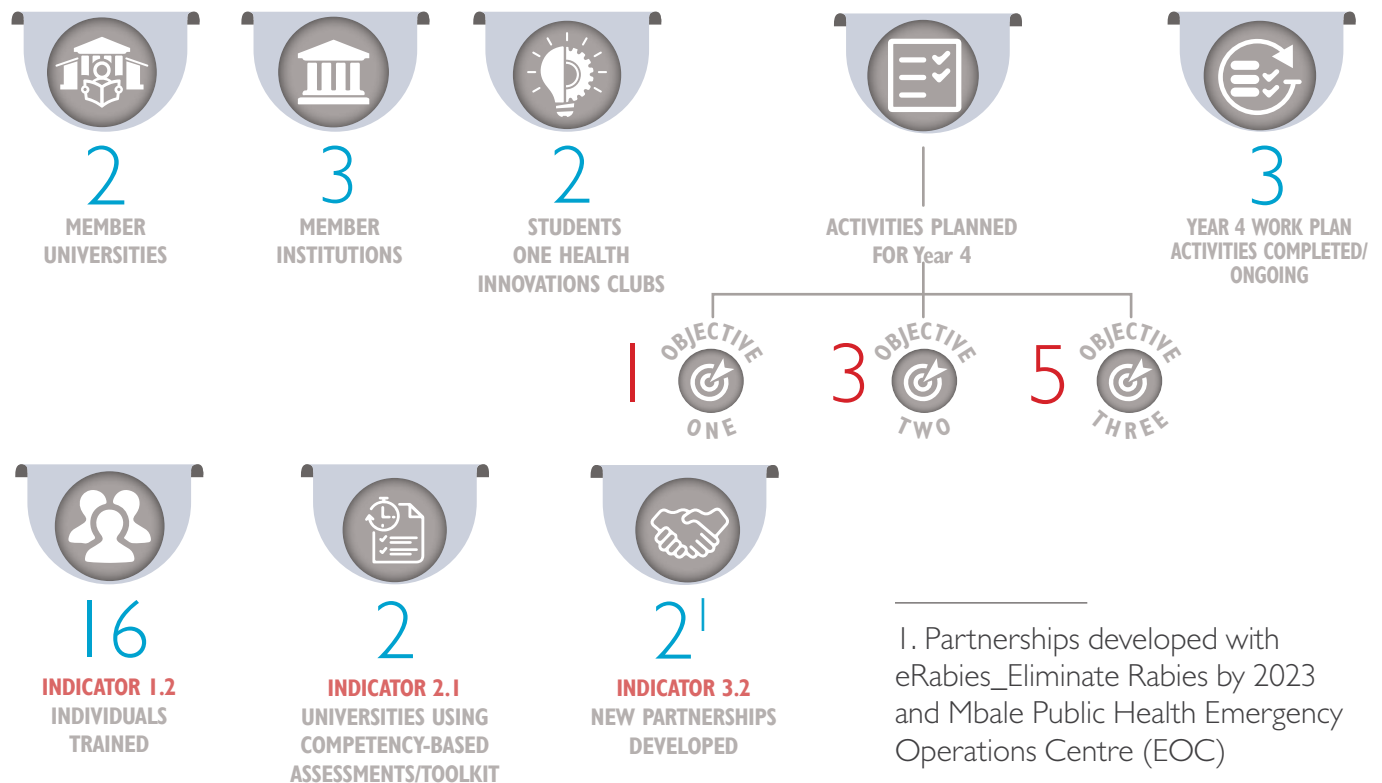


TZ 6: The Great Migration in Mara River, Serengeti National Park, Tanzania. Photo source; Wikimedia.

# UGANDA



## Dashboard Overview of Year 4



## HIGHLIGHTS



- ➔ Trained 16 graduate students from three public universities and one private university in basic principles of epidemiology, outbreak investigation and emergency response using a One Health (OH) approach. (October 2022)
- ➔ Held a seminar series about AFROHUN Uganda and potential student opportunities that attracted over 100 students from the College of Veterinary Medicine, Animal Resources and Biosecurity (COVAB) who expressed interest in joining the Students One Health Innovations Club (SOHIC). (March 2023)

# ACTIVITIES

2

## OBJECTIVE 2

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### **UG Activity 2.1.2 Evaluation of the Uganda One Health Institute**

- AFROHUN Uganda selected a consultant, to undertake an evaluation of the OH institute. The evaluation is aimed at understanding the relevance, applicability of the modules, and competences and knowledge/skills gained during the training. The evaluation will commence in quarter 3. Recommendations from this evaluation will inform program implementation of the institute

3

## OBJECTIVE 3

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### **UG Activity 3.1.1 Conduct virtual quarterly performance review meetings.**

- AFROHUN Uganda conducted virtual performance review meetings where they shared country updates on progress made and sought guidance from the Deans on areas for improvement.

### **UG Activity 3.3.1 Support grant writing and resource mobilization through joint partnerships between academia, civil society organizations, private sector and government agencies.**

AFROHUN Uganda worked on grant proposals namely:

- Enhancing Resilience of small holder farmers for improved food security in East Africa from Norwegian Agency for Development Cooperation (NORAD).
- Promoting equity and access to One Health education in East Africa from the Spencer Research on Education.

### **UG Activity 3.3.2 Contribute towards strengthened partnerships, coordination and collaboration during outbreak or emergency response.**

- Trained 16 graduate students from four universities (three public universities and one private university) on basic principles of epidemiology, outbreak investigation and emergency response using a one health approach. These were drawn from animal health, Environmental health, public health and planning disciplines.
- Supported 5 graduate students to participate in an anthrax outbreak in Kween district, Eastern Uganda from 12<sup>th</sup> - 23<sup>rd</sup> March 2023.



UG 1: Students engaged in case identification by reviewing medical records. Photo source; AFROHUN Uganda.

- AFROHUN Uganda advocated for and agreed on coordination mechanisms between Kween local government and Western Pokot County in Kenya whose community is keeping animals next to a game reserve in Kween.
- AFROHUN Uganda attended during the Global Health Security Agenda (GHSA) partners meeting led by USAID Washington during which revised reporting templates and expectations were shared amongst partners and partnership opportunities discussed.
- The Country Manager gained knowledge and skills in alert management, alert verification, contact tracing and data management after attending a training to onboard senior epidemiologists to take lead in Ebola Virus Disease Outbreak (EVD) organized by Ministry of Health with support from World Health Organization (WHO).
- The Country Manager gained skills in reporting and communication of OH science to different stakeholders through attending a Regional OH Science Communication and Leadership training organized by International Service of the acquisition of Agri-Biotech Application in Nairobi.



## LESSONS LEARNED

### Continuous student capacity building for outbreak response: An example of anthrax outbreaks in Kween District.

#### Background

Upon completing a theoretical training in epidemiology and outbreak investigation, AFROHUN Uganda selected and supported five students to participate in investigating anthrax in Kween district, Eastern Uganda. These were drawn from Public Health, Environmental Health, Animal Health and planning disciplines.

#### The Challenge

The anthrax outbreak in Kween district is affecting the poor population who are often not able to afford or access both medical and / or other support during and after outbreaks. In addition, outbreaks have been occurring annually with reports of increasing psychosocial and other challenges in the community as well as increasing morbidity rates for both humans and animals, with limited follow up on the effects of the outbreaks

#### Lesson Learned

With such information on patterns and effects of anthrax outbreaks in Kween district, continuous efforts of utilizing multidisciplinary students and building their capacity for response cannot be over emphasized.



## NEXT STEPS

- ➔ AFROHUN Uganda will coordinate the implementation of the evaluation of the OH institute to generate information for improving program practice.
- ➔ AFROHUN Uganda will also utilize the existing coordination mechanisms with the National One Health Platform to leverage support for implementing activities in a cost effective manner.





UGANDA

# ONE HEALTH CHAMPION



## JUSTINE OKELLO

### Job Title

Graduate fellow and OH research Associate

### Professional Credentials

Bachelor of Laboratory Technology, Masters in Veterinary Preventive Medicine

### Role within the OHW-NG Project

OH Research Associate

### Affiliation

Makerere University



*“As a OH practitioner, I strive to always to utilize OH approaches to save humanity from preventable health and economic challenges. Working with rural communities in these aspects has been a good approach as it creates a bigger multiplier effect in spreading information as well as improving uptake of the awareness created”*



## Individual's Impact

Justine was at the forefront of the implementation of OH approaches at grass-root (community) levels. He participated in chairing several OH community talks in selected rural communities. He educated the next generation of OH champions – primary school children, on OH and its relevance. Justine also participated in a presentation on Ebola Virus Disease during a virtual OH Eco session organized by AFROHUN. The presentation attracted

the attention of key stakeholders from Universities, Development Agencies, private sector, government ministries, and Non Government Organizations (NGOs) included epidemiologists, health workers, academia, in-service veterinary trainees across Africa and beyond.

UG 2: Uganda's OH Champion – Justine Okello. Photo source: AFROHUN Uganda.



# SUCCESS STORY

## Epidemiology training for Graduate Students: Milly Akullu's story of Change

AFROHUN Uganda organized a series of trainings in epidemiology, outbreak investigation, and emergency response for 16 graduate students from four universities in Uganda to support disease outbreak response efforts at national and sub-national level. These included graduate students in Public Health, Education and Community Health, Social Sciences, Culture and Ethics among others. The training aimed at improving their knowledge of and approach, towards response to zoonotic diseases in preparation for outbreak investigation in Uganda. Several modules including basic concepts of epidemiology and diseases prevention, outbreak investigation steps, preparing data collection materials and data collection during emergencies were covered.

Ms. Milly Akullu, is a graduate student of Master in Public Health from Lira University who is also a beneficiary of the training organized by AFROHUN Uganda. She is an environment health practitioner who has worked with Lira District local government for over 17 years. She serves as the Health Educator for Erute North, Health Sub district (HSD) in Lira district, where she supervises over 1,000 Village Health Teams (VHTs) and 30 health workers. During her day to day work, Akullu is involved in community health education and coordination of teams at the HSD. Milly attended and completed AFROHUN Uganda trainings including, a case study aimed at equipping her with knowledge to respond timely with the right teams and expertise needed.

Upon completing the training, Ms Akullu wrote back to the AFROHUN country office indicating how relevant the training was. She conducted an orientation for the District Health Team (DHT) on strengthening

surveillance of priority zoonotic diseases and how to work with the Public Health Emergency Operation Centre. She has also trained over 30 VHTs and 15 health workers in disease identification and reporting.

Ms Akullu extended her gratitude to AFROHUN Uganda for identifying and supporting her through Lira University to attend the excellent training on "**Detection, Prevention and Outbreak investigation and Emergency Response**" that she needed as an Environmental Health Officer.

*"I knew little about surveillance, response, detection and prevention but now, undertaking this training has enabled me to learn in-depth concepts of epidemiology and disease prevention. I feel competent, I have oriented my teams on what I was taught, I am fully equipped to take lead in outbreak investigation, implement public health actions and make evidence-based recommendations and conclusions accordingly."* **Milly Akullu**



AFROHUN Uganda, plans to extend this training to more graduate students who are holding positions in various sectors including government and private sector among others. This will improve the capacity of the workforce that is ready to support coordination, detection, prevention and control of emerging and re-emerging disease outbreak.





**For More Information about AFROHUN**

Plot 20B Kawalya Kaggwa Close, Kololo-Uganda

P.O Box 100953 Kampala

+256 392 001 642   secretariat@afrohun.org   www.afrohun.org   @AFROHUN\_



*This Report is made possible by the generous support of the American people through the United States Agency for International Development (USAID). The contents are the responsibility of One Health Workforce Next Generation implementing partners (AFROHUN) and do not necessarily reflect the views of USAID or the United States Government.*