

Workshop report

Capacitating One Health in Eastern and Southern Africa (COHESA)

Project partner orientation



Photo credit: Gezahegn Alemayehu

16 December 2021



© 2021 International Livestock Research Institute (ILRI)

ILRI thanks all donors and organizations which globally support its work through their contributions to the [CGIAR Trust Fund](#)



This publication is copyrighted by the International Livestock Research Institute (ILRI). It is licensed for use under the Creative Commons Attribution 4.0 International Licence. To view this licence, visit <https://creativecommons.org/licenses/by/4.0>. Unless otherwise noted, you are free to share (copy and redistribute the material in any medium or format), adapt (remix, transform, and build upon the material) for any purpose, even commercially, under the following condition:



ATTRIBUTION. The work must be attributed, but not in any way that suggests endorsement by ILRI or the author(s).

NOTICE:

For any reuse or distribution, the licence terms of this work must be made clear to others.

Any of the above conditions can be waived if permission is obtained from the copyright holder.

Nothing in this licence impairs or restricts the author's moral rights.

Fair dealing and other rights are in no way affected by the above.

The parts used must not misrepresent the meaning of the publication.

ILRI would appreciate being sent a copy of any materials in which text, photos etc. have been used.

Written by Hiwot Desta¹ and Theo Knight-Jones¹

¹International Livestock Research Institute

Citation

Desta, H. and Knight-Jones, T. 2021. *Capacitating One Health in Eastern and Southern Africa (COHESA): Project partner orientation*. Nairobi, Kenya: ILRI.

Patron: Professor Peter C Doherty AC, FAA, FRS

Animal scientist, Nobel Prize Laureate for Physiology or Medicine–1996

Box 30709, Nairobi 00100 Kenya

Phone +254 20 422 3000

Fax +254 20 422 3001

Email ilri-kenya@cgiar.org

ilri.org

better lives through livestock

ILRI is a CGIAR research centre

Box 5689, Addis Ababa, Ethiopia

Phone +251 11 617 2000

Fax +251 11 667 6923

Email ilri-ethiopia@cgiar.org

ILRI has offices in East Africa • South Asia • Southeast and East Asia • Southern Africa • West Africa

INTRODUCTION

Tripartite (FAO, OIE, WHO) and UNEP define One Health as an integrated, unifying approach that aims to sustainably balance and optimize the health of people, animals, and ecosystems. It recognizes the health of humans, domestic and wild animals, plants, and the wider environment (including ecosystems) are closely linked and inter-dependent. The approach mobilizes multiple sectors, disciplines, and communities at varying levels of society to work together to foster well-being and tackle threats to health and ecosystems, while addressing the collective need for clean water, energy and air, safe and nutritious food, acting on climate change, and contributing to sustainable development.

Recognizing the challenges countries face when dealing with One Health issues and the massive impact they have on society the European Commission OACPS Research and Innovation Programme has funded a new multinational project: Capacitating One Health in Eastern and Southern Africa (COHESA).

On the day the project officially commenced a virtual workshop was held to engage project multipliers that could help deliver the program in eastern and southern Africa. The aim of the workshop was potential project partners to gain a solid understanding of the project, including why it was funded, what it will consist of and importantly the potential role of participants in the project as multipliers that help to deliver the project in country, or as potential beneficiaries.

Capacitating One Health in Eastern and Southern Africa (COHESA)

Project summary

Duration: 48 Months – Start December 2021

Budget: 9,300.000 EUR

Countries: Eastern Africa (Ethiopia, Kenya, Rwanda, Tanzania, Uganda) and Southern Africa (Botswana, Namibia, Malawi, Mozambique, Zambia, Zimbabwe)

Lead: Dr Theo Knight-Jones (ILRI).

Dr Alexandre Caron (CIRAD); Dr Margaret Karembu (ISAAA)

Consortium

- International Livestock Research Institute ([ILRI](#))
- Centre de coopération internationale en recherche agronomique pour le développement (French Agricultural Research Centre for International Development) ([CIRAD](#))
- International Service for the Acquisition of Agri-biotech Applications AfriCenter ([ISAAA AfriCenter](#))



Funders The project is supported by the European Commission OACPS Research and Innovation Program: ACP-EU initiative, co-funded through ILRI and CIRAD.

Background

The world is facing unprecedented, inter-connected threats to the health of people, animals, and the environment; addressing these threats requires cross-sectoral, systems-wide approaches. This is encapsulated in the One Health concept, which recognizes the interconnection between people, animals, plants, and their shared environment. COVID-19 and its origins as a zoonotic pathogen is a particularly pertinent example, but One Health concerns many of the other major threats of our time, such as climate change and disease emergence, anti-microbial resistance, ecosystem destruction with loss of biodiversity and the fragility of food and feed systems. In a globalized world, it is imperative that all nations and societies better manage One Health. In this project we look to build One Health capacity in Eastern and Southern Africa.

Overview of the project:

The project aims to generate an inclusive research & innovation ecosystem, facilitating rapid uptake, adaption, and adoption of solutions to issues that can be dealt with using a One Health (OH) approach, with the OH concept embedded across society in eastern and southern Africa (ESA), working for healthy humans, animals, and environments.

Objectives

- Increased relevance of OH research and policies in eastern and southern Africa (ESA)
- Enhanced national and subregional cross-sectoral collaboration between government entities with OH mandates and OH stakeholders across society
- Educational and research institutes equipped to train the next generation workforce in tackling OH issues

- Increased capacity of government and non-governmental stakeholders trained by the intervention to identify and deliver OH solutions to key problems of final beneficiaries

Outputs

- Government entities with OH mandates and OH stakeholders across society capacitated in cross-sectoral collaboration around OH
- Government entities capacitated in the development of evidence based OH strategies and policies
- National secondary, tertiary, and vocational education institutes strengthened in building OH capacity for the next generation workforce
- Research institutes capacitated in training next generation OH researchers
- Research institutes capacitated in identification, development, adaption, and delivery of OH solutions (technologies, soft skills and strategic approaches for addressing current challenges)
- Service providers (public, private) capacitated in identification, adoption, and delivery of OH solutions
- OH related Public-Private Partnerships strengthened in delivery of OH solutions and consultation on OH issues
- Contribution to emerging understanding on OH, its appropriate use and added value
- Knowledge and Information on OH research and policies in ESA promoted through project platforms

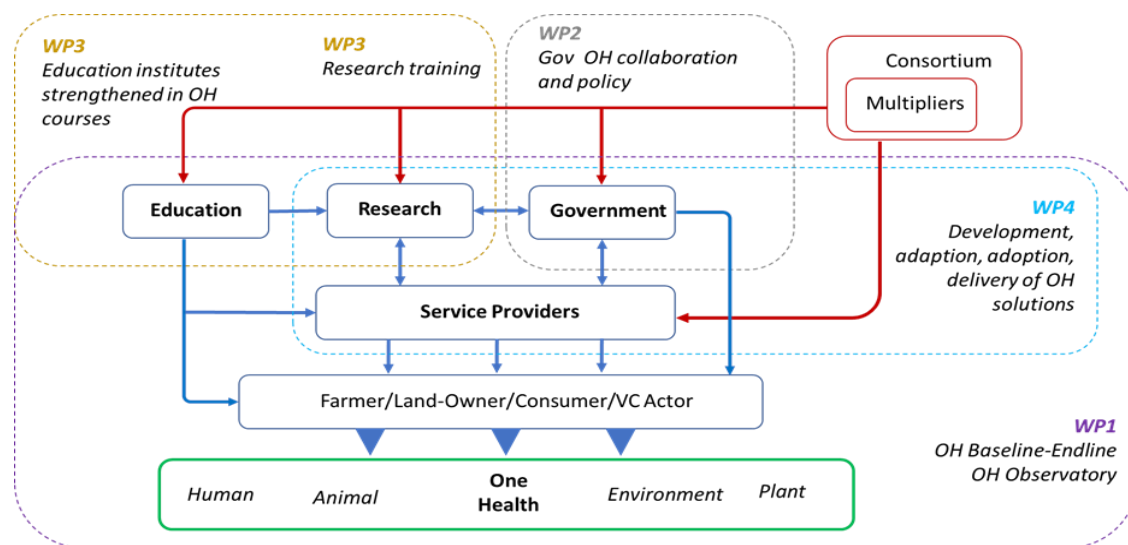
Project design

The Consortium (ILRI, primarily in East Africa; CIRAD, primarily in Southern Africa; and ISAAA AfriCenter) will work with in-country multiplier organizations (mostly One Health research and implementation organizations) to deliver the project to beneficiaries, mainly government, education, research and service providers engaged in OH.

The COHESA project designed into four work packages:

- WP1 – Understanding and furthering OH capacity, knowledge and information sharing in ESA
- WP2 – Promoting national and regional OH collaboration and governance
- WP3 – Building the future OH workforce
- WP4 – Delivering OH solutions

Figure 1: Overview of COHESA design



WORKSHOP ACTIVITIES

This engagement workshop brought together potential project partners and updated on the launching of the project. Approximately 38 participants in the selected countries from different institutions attended the workshop. Many had attended the project design workshop held in June 2021. (List of participants is annexed).

The workshop participants were welcomed by **Theodore Knight Jones**, Team Leader Heard Health of ILRI. This was followed by opening remarks of Dieter Schillinger, ILRI DDG. Alex Caron from CIRAD then presented on One Health in context. Theo Knight-Jones then gave an overview of the COHESA project.

Presentations were made by the COHESA Consortium on their related work, by ILRI, CIRAD, ISAAA representatives. This was followed by explanation and discussion on the COHESA Work Packages, project structure and the role of multipliers. This included further project details including the next steps. Each presentation was followed by a brief question and answers. Finally, Margaret Karembu (ISAAA) closed the meeting. (workshop agenda is annexed).

WELCOME AND OPENING REMARKS

Theodore Knight Jones, Team Leader Heard Health of ILRI

In his welcoming address, Theodore Knight Jones offered his regards to all the workshop participants that joined. He presented the aim and schedule of the workshop. Lastly, he presented ILRI DDG, Dieter Schillinger to say a few words about the project.

Dieter Schillinger, ILRI DDG

Dieter Schillinger started by welcoming the participants and coordinators of the workshop. He then presented a brief overview of the COHESA project countries where the project will operate; Eastern Africa (Ethiopia, Kenya, Rwanda, Tanzania, Uganda) Southern Africa (Botswana, Namibia, Malawi, Mozambique, Zambia, Zimbabwe); and the diverse institutions it will engage local and central government institutions, research and educational institutes, public, private, and non-profit sector service providers, who will in

turn help to achieve the intended objectives. Finally, he acknowledged the European commission for funding the COHESA project and OACPS research and innovation program. Also, Gerard den Ouden from OACPS for helping us with the development of the project and paid particular thanks to our partners CIRAD and ISAAA AfriCenter.

PRESENTATIONS

Brief introduction to the One Health in concept and beyond by Alex Caron, CIRAD

Alex Caron presented himself and where he works and then gave a quite reflection on the One Health concept and the context within which this project will operate.

<https://www.slideshare.net/ILRI/intro-one-health>

Objectives and Overview of the project, Theodore Knight Jones, ILRI

Theodore presented the objectives, overview, and work Packages of the project COHESA.

<https://www.slideshare.net/ILRI/cohesa-overview-251185702>

The COHESA Consortium and their related work, representatives from ISAAA, CIRAD, ILRI

Margaret Karembu, ISAAA – introduced herself, where she works and the role of ISAAA, which includes science communication and policy advocacy. <https://www.slideshare.net/ILRI/cohesa-isaaa>

Alex Caron, CIRAD – Presented about CIRAD’s relevant work in Southern Africa and their prominence in OH. <https://www.slideshare.net/ILRI/cirad-southern-africa>

Theodore Knight Jones, ILRI – Presented about ILRI and OH related works the organization is working.

<https://www.slideshare.net/ILRI/one-health-zoonoses-ilri>

The work packages, project structure and multipliers, Theodore Knight Jones, ILRI and Margaret Karembu, ISAAA

Theodore discussed on the COHESA timeline and the potential role of the consortium and multipliers. (See project summary at beginning of report).

Eric Fèvre, joint appointee between ILRI and University of Liverpool, presented himself and explained the HORN project, which looks at One Health Research capacity development in Kenya, Ethiopia, and Somalia.

Questions and Answers

Below we list questions that were raised and summaries of responses.

1. you gave an example for the same wine in different bottles for Eco health and OH. How did you relate such two different terms?

Ans: Eco-health is under the umbrella of OH, Eco-health is more related to ecosystem health or healthy environmental.

2. Is there an early plan to generate evidence on what exists on ground as regards OH as this will facilitate collaboration at country level?

Ans: WP1 includes a baseline national OH assessment in each country, as well as a regional assessment. Findings from this will inform later phases of the project.

3. Involvement of other countries being staggered, implying that they may come much later. What time frame are we talking about here?
Ans: The four Deep Dive countries will commence work asap in 2022, activities in other countries will start late 2022/2023.
4. OH, country situations could have evolved since the project was drafted. Will there be country (regional)-level inception meeting which could adjust the plans and priorities?
Ans: Yes. Within each country we will start with a key stakeholder engagement and the OH baseline assessment. This will be used to finalize the country specific bespoke program, which will be followed by a larger national workshop to discuss the baseline assessment findings and engage wider stakeholders in the project as it launches in that country.
5. In the deep dive countries, does the project has a plan to have a OH platform among the countries?
Ans: We primarily focus on One Health approaches and support OH platforms within-country. Through the multi-country nature of the project there will be activities applied across the region, and we can expand regional workshops to include neighboring countries that are not part of this project. We are interested in cross-border collaborative OH initiatives as the project aims to forge a model that can then be applied to other OH problems after the project, and many OH threats are international and transboundary.
6. What is the Level of engagements of universities in delivering this OH program?
Ans: The multipliers that deliver COHESA in-country will mostly consist of universities.
7. Are there any multipliers in the non-academic sector? (Thinking of one health units that exist in some countries at a grassroot level)
Ans: In WP4 there will likely be One Health service providers that may be engaged as multipliers helping to improve delivery of OH solutions for project focal topics. They could be other non-academic multipliers, e.g. OH related bodies. COHESA is not a research project and multipliers are not engaged because of the academic potential, but because of their OH expertise and capacity for delivering OH capacity development for diverse stakeholders, principally government, education sector, research and service providers.
8. As wildlife's are transboundary nature/mobile, not only focus on wild-domestic interface areas/sites but also note that outside conservation areas or protected areas.
Ans: Point noted, wildlife will play a key part in many elements of the project.
9. What kind of private partnerships? Someone to roll out a technology.
Ans: The project is not looking to support the development of new technologies *per se*, but will look to support the adoption, adaption, and implementation of existing technologies. When looking at OH delivery in WP4 we will include public-private partnerships are a key method to support in order for OH challenges to be addressed, as they frequently concern issues of widespread public concern, cannot wholly be funded on a user-pays basis, due to the externalities that exist needing to support wider deliver to protect public interests; at the same time the public sector can experience challenges when trying to deliver at scale without some level of delivery through incentivized private agents.

Expectations – points discussed

1. Country level versus regional expectations and roles
2. Potential role of universities
3. Certainly, advocacy and capacity building are great to bring the OH agenda and principles into training, research and program. The challenge however is on how to bring all partners (human,

animal, climate/environment experts) to join hands together and with the beneficiaries for a shared purpose. Perhaps pooling experiences on this may help

4. Ensure adequate engagement of partners across the OH spectrum

Next steps

After closing discussions participants were informed that the consortium would soon be in touch with them as part of the process of engaging multipliers to deliver the project within the eleven countries. Multipliers play a fundamental role in the project working with the consortium as the project's implementers on the ground.

Participants currently working on OH

1. Mirgessa - Project lead for HORN OH Addis Ababa University
2. Musso MUNYEME - from the University of Zambia [UNZA] One Health Coordinator for the Africa Center of Excellence for Infectious Diseases for Humans and Animals (ACEIDHA). Four main thematic areas worked upon: Emerging and zoonotic viral diseases, Emerging and zoonotic bacterial diseases including antimicrobial resistance, neglected tropical diseases, Vector-borne zoonotic diseases. Also, Univ Zambia collaborate on disease response (rabies, anthrax, Bola, Covid) how to provide a robust platform to share experience and what can be done
3. José Sumbana - Faculty of Medicine, Eduardo Mondlane University, Mozambique: Antimicrobial resistance in the context of OH.
4. Kebede Amenu - Addis Ababa University, various zoonoses and food safety projects.
5. Anselme Shyaka – Rwanda Univ. involved in teaching, MSc programs, integrated OH in the curriculum. (Teaching and community outreach)
6. Lilongwe university of agriculture and natural resources - new department of veterinary medicine, have some ILRI funded projects on AMR, food safety and disease surveillance.
7. Flora Pule-Meulenberg– Botswana Univ. not directly involved but working on research projects of OH
8. Musa Sekamatte - National One Health Platform Coordinator, Uganda
9. Raymond Hamoonga, One Health Specialist at Zambia National Public Health Institute. Zoonotic surveillance and AMR
10. Simon Angombe – univ of Namibia interested in to explore and expand the work on AMR, Rabies control and issues with Human and Wildlife (buffalo and FMD outbreak)
11. BUAN also has a faculty of Animal and Veterinary Sciences. They have been involved in research on Anaplasma
12. Prof Gift Matope - univ Zimbabwe OH involvement on AMR we are working with projects funded by EU, UK, Netherlands and Sweden also led by FAO and WHO. Working on capacitating OH lab on AMR, AMU

Closing remarks, Margaret Karembu, ISAAA

Margaret expressed her appreciation to the partners Theo and Alex. She also thanked participants for their presence and active participation. Margaret mentioned that the team is very encouraged by the discussion and suggestions.

Note: Animal science group let us start thinking about the contribution of the environment is making to our animals and the agriculture sector start thinking about how animals' impact on food production.

Challenge by Margaret Karembu

as Mahatma Gandhi said

“If you want change, you must be the change you want to see in the world.”

Let us challenge ourselves to

Expand the way we think about our own discipline by thinking of the role of other disciplines

EU Capacitating One Health in Eastern and Southern Africa (COHESA)
Online Zoom workshop - Project Partner Orientation workshop
16th December 2021

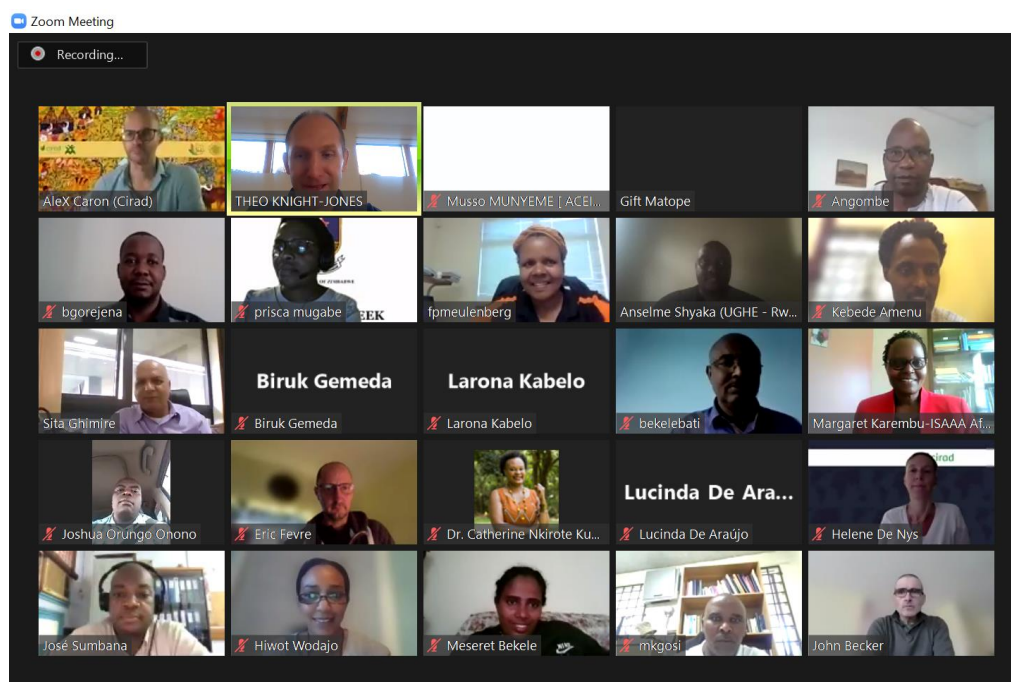
Time EAT	Sessions	Presenters
15:00-15:05	Welcome remarks	Theodore Knight Jones, ILRI
15:05-15:10	Opening remarks	Dieter Schillinger, ILRI DDG
15:10-15:30	One Health in context	Alex Caron, CIRAD
15:30-15:45	COHESA Project overview	Theodore Knight Jones, ILRI
15:45-1600	Q & A	
1600-1620	The COHESA Consortium and their related work	ILRI, CIRAD, ISAAA
1620-1625	buffer or break	
1625-1645	The Work Packages, project structure and multipliers	Theodore Knight Jones, ILRI
1645-1705	Q & A	
1705-1715	More details, timing and what's next	Theodore Knight Jones, ILRI
1715-1725	Q & A	
1525-1730	Closing remarks	Margaret Karembu, ISAAA

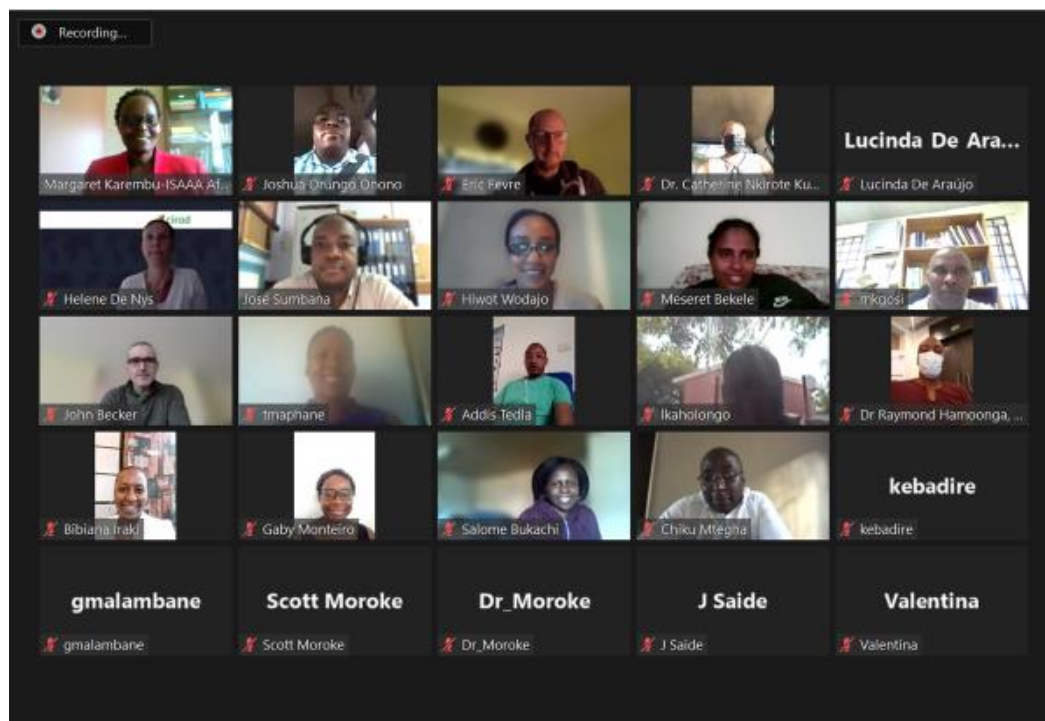
EU Capacitating One Health in Eastern and Southern Africa (COHESA)
Participant list of the Orientation workshop
16th December 2021

SN	Names	Organization	Country
1	Behailu Goshime	Ethiopian Wildlife Conservation Authority/EWCA	Ethiopia
2	Kebede Amenu	Addis Ababa University	Ethiopia
3	Mirgissa Kaba	Addis Ababa University	Ethiopia
4	Nigatu Kebede	Addis Ababa University	Ethiopia
5	Wondwoson Bekele	MOA	Ethiopia
6	Biruk Alemu	ILRI	Ethiopia
7	Meseret Bekele	ILRI	Ethiopia
8	Catherine Nkirote Kunyanga	Department of Food Science, Nutrition and Technology, University of Nairobi	Kenya
9	Salome Atieno Bukachi	Institute of Anthropology, Gender and African Studies, University of Nairobi	Kenya
10	Joshua Onono	University of Nairobi, College of Agriculture and Veterinary Sciences	Kenya
11	Musa Sekamatte	Ministry of Health	Uganda
12	Martin Ntawubizi	university of Rwanda-College of Agriculture, Animal Sciences and Veterinary Medicine (UR-CAVM)	Rwanda
13	Anselme Shyaka	University of Rwanda,	Rwanda
14	Catherine Wood	Lilongwe University of Agriculture and Natural Resources	Malawi
15	Chiku Mtegha	Lilongwe University of Agriculture and Natural Resources	Malawi
16	Jose Fafetine	Universidade Eduardo Mondlane (UEM) Faculdade Veteriaria	Mozambique
17	Joaquim Said	Universidade Eduardo Mondlane (UEM) Centro ed Biotecnologia	Mozambique

18	José Sumbana	Faculty of Medicine, Eduardo Mondlane University	Mozambique
19	Lucinda De Araújo	Universidade Eduardo Mondlane (UEM)	Mozambique
20	Prisca Mugabe	University of Zimbabwe (UZ), Faculty of Animal Science,	Zimbabwe
21	Gift Matope	University of Zimbabwe (UZ) Faculty of Veterinary Medicine	Zimbabwe
22	Musso Munyeme	University of Zambia (UNZA) Faculty of Veterinary Science/ACEIDHA	Zambia
23	Raymond Hamoonga	Zambia National Public Health Institute [ZNPHI]	Zambia
24	Flora Pule-Meulenberg	Botswana University of Agriculture and Natural Resources	Botswana
25	Moathodi Kgosimore	Botswana University of Agriculture and Natural Resources	Botswana
26	Simon Angombe	University of Namibia	Namibia
27	Brighton Gorejena	University of Namibia	Namibia
28	John Becker	University of Pretoria	South Africa
29	Larona kabelo		
30	Bibiana Iraki		
31	Gaby Monteiro		
32	Scott Mrooke		
33	Valentina		
34	mkgosi		
35	tmaphane		
36	ikaholongo		
37	kebadire		
38	gmalambane		

WORKSHOP PICTURES







All information material, reports, publications and other media-related information produced as part of the implementation of this project funded by the ACP Innovation Fund will include the following phrase: *"ACP Innovation Fund, OACPS Research and Innovation Programme. A programme implemented by the Organization of African, Caribbean and Pacific States, with the financial contribution of the European Union".*



Co-funded through ILRI and CIRAD