Better lives through livestock

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Inaugural Africa One Health Network (AfOHNet) workshop
3–7 October 2022
Accra, Ghana
One Health

“One Health is 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 interdependent.”

OHHLEP, 2021

https://www.who.int/publications/m/item/one-health-high-level-expert-panel-annual-report-2021
The Drive for One Health

Figure 1: Timeline of significant emerging zoonoses outbreaks over the past 30 years. Listed at year of emergence or highest impact with animals affected and/or reservoir animals. BSE = Bovine Spongiform Encephalitis, S. suis = Streptococcus suis (Thomas et al., 2020).

Complex challenges

Needs collaborative approaches, systems thinking, multi-disciplinarity

COHESA Overall Objective

The project aims to generate an inclusive Research & Innovation ecosystem, facilitating rapid uptake, adaption and adoption of solutions to One Health (OH) issues, with the OH concept embedded across society in Eastern and Southern Africa (ESA), working for healthy humans, animals and environments using a systems approach to learning.
COHESA Consortium and Countries

**Duration** 48 Months – December 2021 – 2025

**Countries**
EA Ethiopia, Kenya, Rwanda, Tanzania, Uganda
SA Botswana, Namibia, Malawi, Mozambique, Zambia, Zimbabwe

**Bold Deep Dive, Standard Italics, rest are focussed**

**Consortium**
ILRI – International Livestock Research Institute
CIRAD – French Agricultural Research Centre for International Development
ISAAA AfriCentre – International Service for the Acquisition of Agri-biotech Applications
University of Pretoria assist as partner
This project is supported by the European Commission OACPS Research and Innovation Programme: ACP-EU initiative, co-founded through ILRI and CIRAD
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 to **identify and deliver OH solutions** to final beneficiaries
Work Packages

WP1 - Understanding OH capacity, knowledge and information sharing
- All countries

WP2 - Promoting national and regional OH collaboration and governance
- All countries

WP3 - Building the future OH workforce
- Deep Dive, limited in Standard and Focussed programme

WP4 - Delivering OH solutions
Deep Dive, little in Standard and Focussed programme

WP5 – Project management
Consortium led by ILRI, CIRAD, ISAAA
Project Design – Led by Consortium & Delivered by Multipliers

WP3
Education institutes strengthened in OH courses

WP3
Research training

WP2
Gov OH collaboration and policy

Consortium
Multipliers

WP4
Development, adaption, adoption, delivery of OH solutions

WP1
OH Baseline-Endline OH Observatory

Education → Research → Government → Service Providers → Farmer/Land-Owner/Consumer/VC Actor

Human → Animal → One Health → Environment → Plant
Project Design – Led by Consortium & Delivered by Multipliers

BOTSWANA

ETHIOPIA

KENYA

MOZAMBIQUE

NAMIBIA

RWANDA

TANZANIA

MALAWI

UGANDA

ZAMBIA

ZIMBABWE

SOUTH AFRICA (partner)
Work Package 1 – One Health Status

**Baseline:** To perform a baseline & endline assessments with key informants on One Health topics on the following:

1. **One Health national challenges, gaps, and capacities**
2. Understand current One Health Research and Innovation landscape to identify strengths and weaknesses
3. Identify rapid approaches to identify key One Health issues
4. Assess sectoral performance in One Health, capacity, and bottlenecks
5. Avail baseline and endline data to evaluate performance and impact of COHESA project

*Online Observatory & Net-mapping*
Work Package 3 – Future OH Workforce

Baseline survey on One Health education needs

Benchmarking curricula

One Health capacity building material

One Health outreach
Summary

- One Health needed to face the major challenges of our time
- COHESA seeks to capacitate countries to face these challenges
- 11 countries in Eastern and Southern Africa - 4 years – 2022-25
- Consortium delivers project through in-country multipliers to national and local stakeholders
  i.e. Government, Education, Research, Service providers
- Build on and collaborate with other One Health initiatives
The International Livestock Research Institute (ILRI) is a non-profit institution helping people in low- and middle-income countries to improve their lives, livelihoods and lands through the animals that remain the backbone of small-scale agriculture and enterprise across the developing world. ILRI belongs to CGIAR, a global research-for-development partnership working for a food-secure future. ILRI’s funders, through the CGIAR Trust Fund, and its many partners make ILRI’s work possible and its mission a reality. Australian animal scientist and Nobel Laureate Peter Doherty serves as ILRI’s patron. You are free to use and share this material under the Creative Commons Attribution 4.0 International Licence ©©. 