OACPS Research and Innovation Programme

COHESA

Capacitating One Health in Eastern and Southern Africa

Theo Knight-Jones (ILRI)

cirad

ISAAA *Afri*Center

ILRI
INTERNATIONAL LIVESTOCK RESEARCH INSTITUTE

Implemented by the OACPS Secretariat

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Financed by the European Union

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Capacitating One Health in East and Southern Africa (COHESA)

Duration: 48 Months –December 2021 – 2025 (4 years)

Budget: 9,294,118 EUR

Countries:

Eastern Africa (Ethiopia, Kenya, Rwanda, Tanzania, Uganda**)**

Southern Africa (Botswana, Namibia, Malawi, Mozambique, Zambia, Zimbabwe)

Consortium:

- ILRI – International Livestock Research Institute - Consortium lead
- CIRAD - French Agricultural Research Centre for International Development
- ISAAA AfriCentre - International Service for the Acquisition of Agri-biotech Applications

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What was the rationale for seeking support from the ACP Innovation Fund?

- **Complex challenges with massive impact**
- **Need One Health collaborative approach**

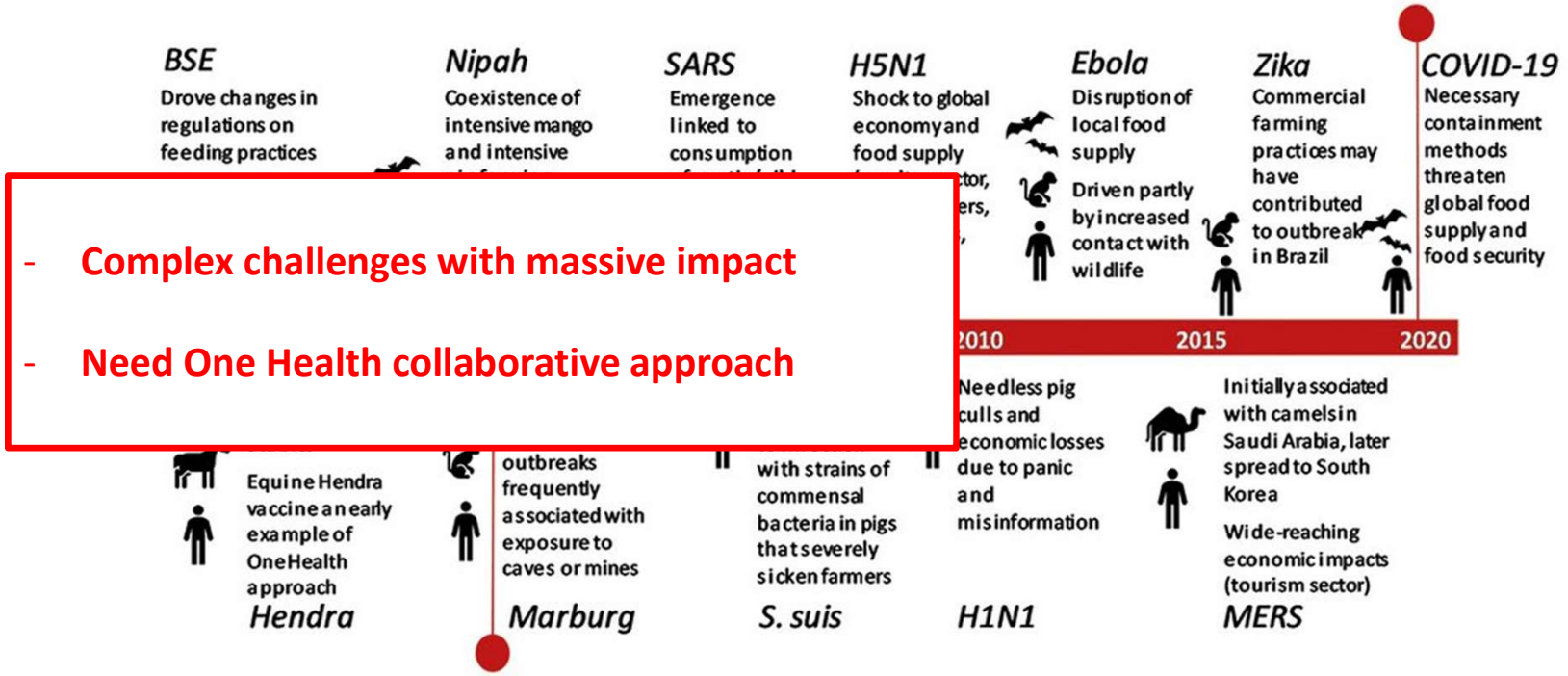

Figure 1: Timeline of significant emerging zoonoses outbreaks over the past 30 years. Listed at year of emergence or highest impact with animals affected and/or reservoir animals. BSE = Bovine Spongiform Encephalitis, S. suis = *Streptococcus suis* (Thomas et al., 2020).

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What was the rationale for seeking support from the ACP Innovation Fund?

One Health: the need for joined up approaches to human, animal and ecological health

- The planet faces massive threats to human, animal, environment and ecosystem health.
- These threats are complex and inter-connected.
  - *75% of emerging human infections come from animals*
  - *We need to produce more food but environmental contamination from agriculture causes human, animal and ecological harm*
- Siloed approaches have limited our ability to manage these threats, with disastrous consequences
- A One Health approach is needed

"One Health is an integrated, unifying approach that aims to sustainably balance and optimize the health of people, animals and ecosystems…"

Why was the grant needed?

- Massive variation in the application of One Health across Africa and across sectors with environmental aspects poorly integrated
- COHESA helps countries to advance, connect and learn from each other

Outcomes

- 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)….with
  - Increased relevance and impact of OH research and policies inA 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 (Research institutes, Service Providers - professional and grassroot organisations - and PPPs) trained by the intervention to identify and deliver OH solutions to Final Beneficiaries

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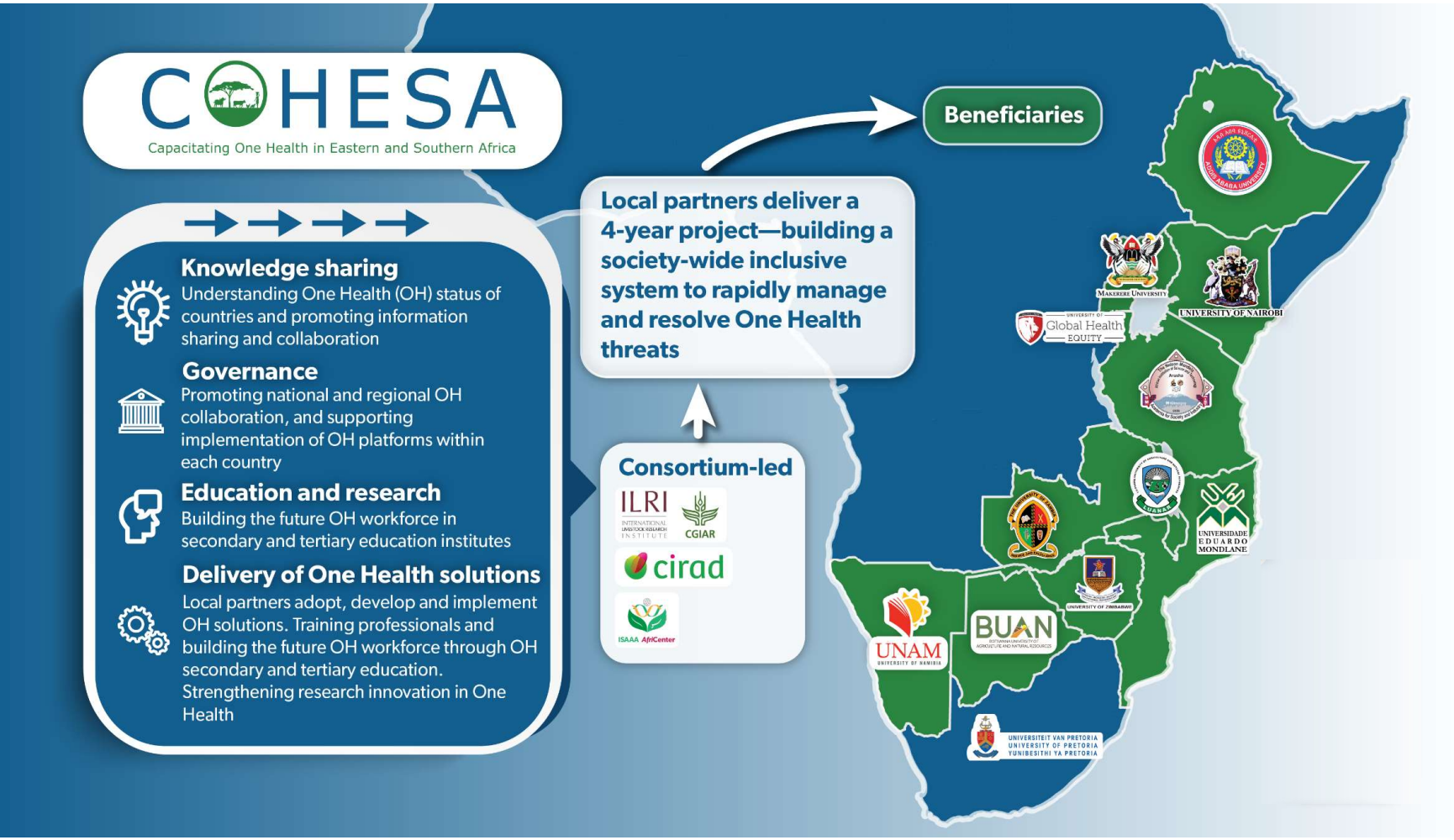
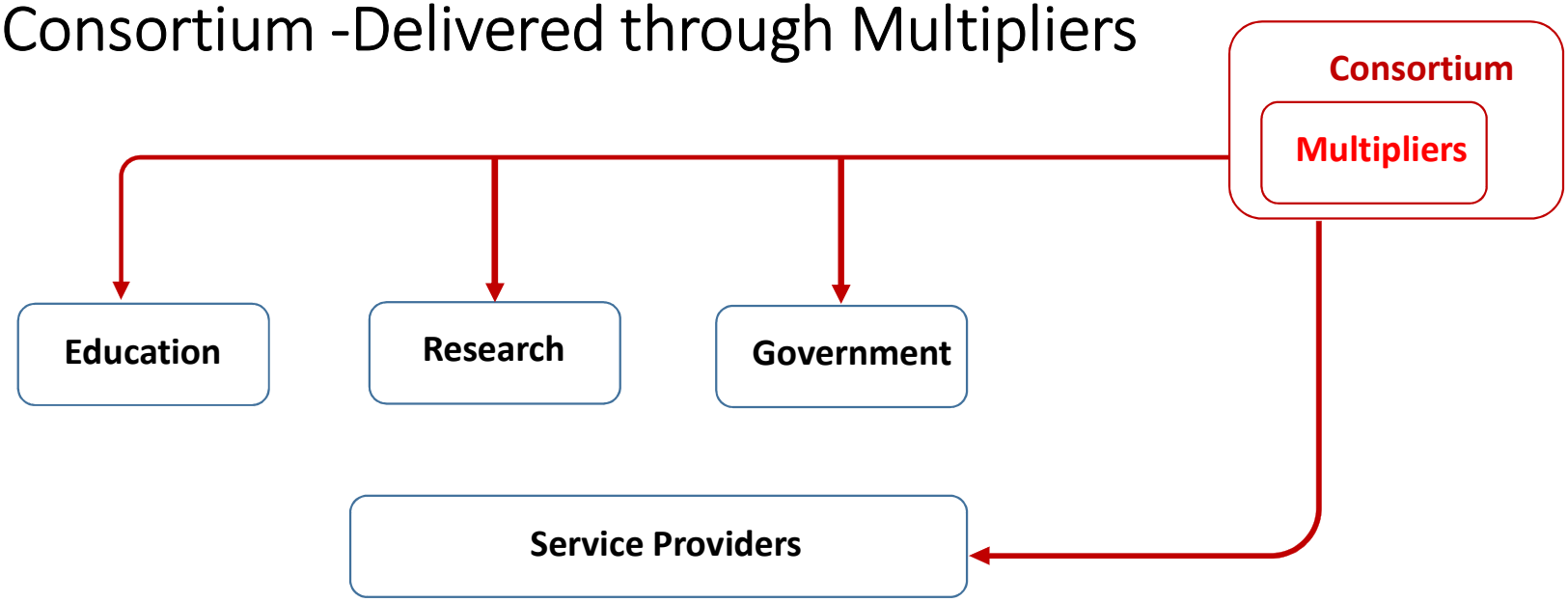
How is the project implemented?



Led by Consortium -Delivered through Multipliers



- The Consortium (ILRI, primarily in East Africa; CIRAD, primarily in Southern Africa; with ISAAA AfriCenter)
- Delivered by in-country multiplier organisations (mostly One Health research and implementation organisations)
- Delivered to beneficiaries, mainly government, education, research and service providers engaged in One Health

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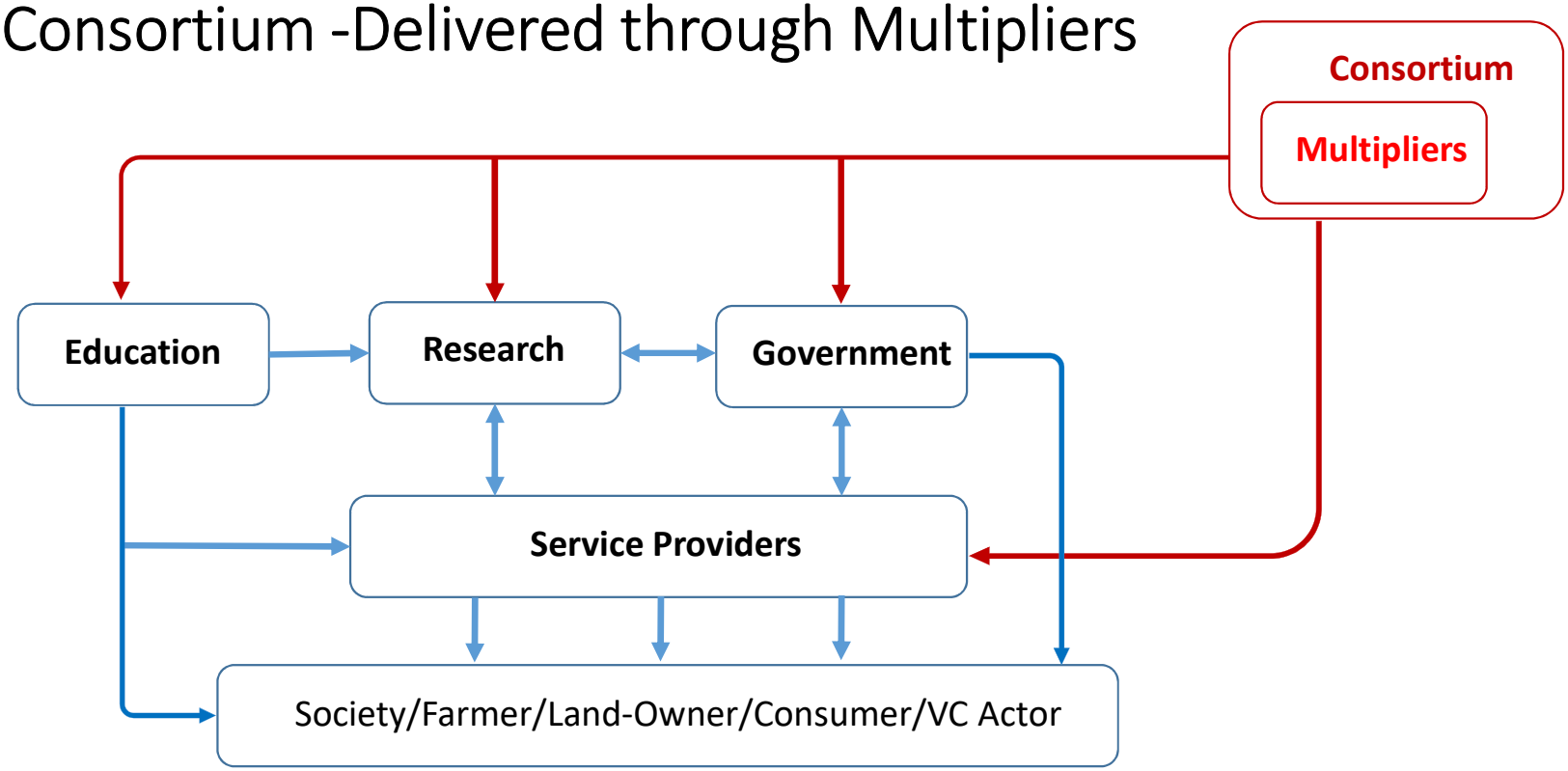

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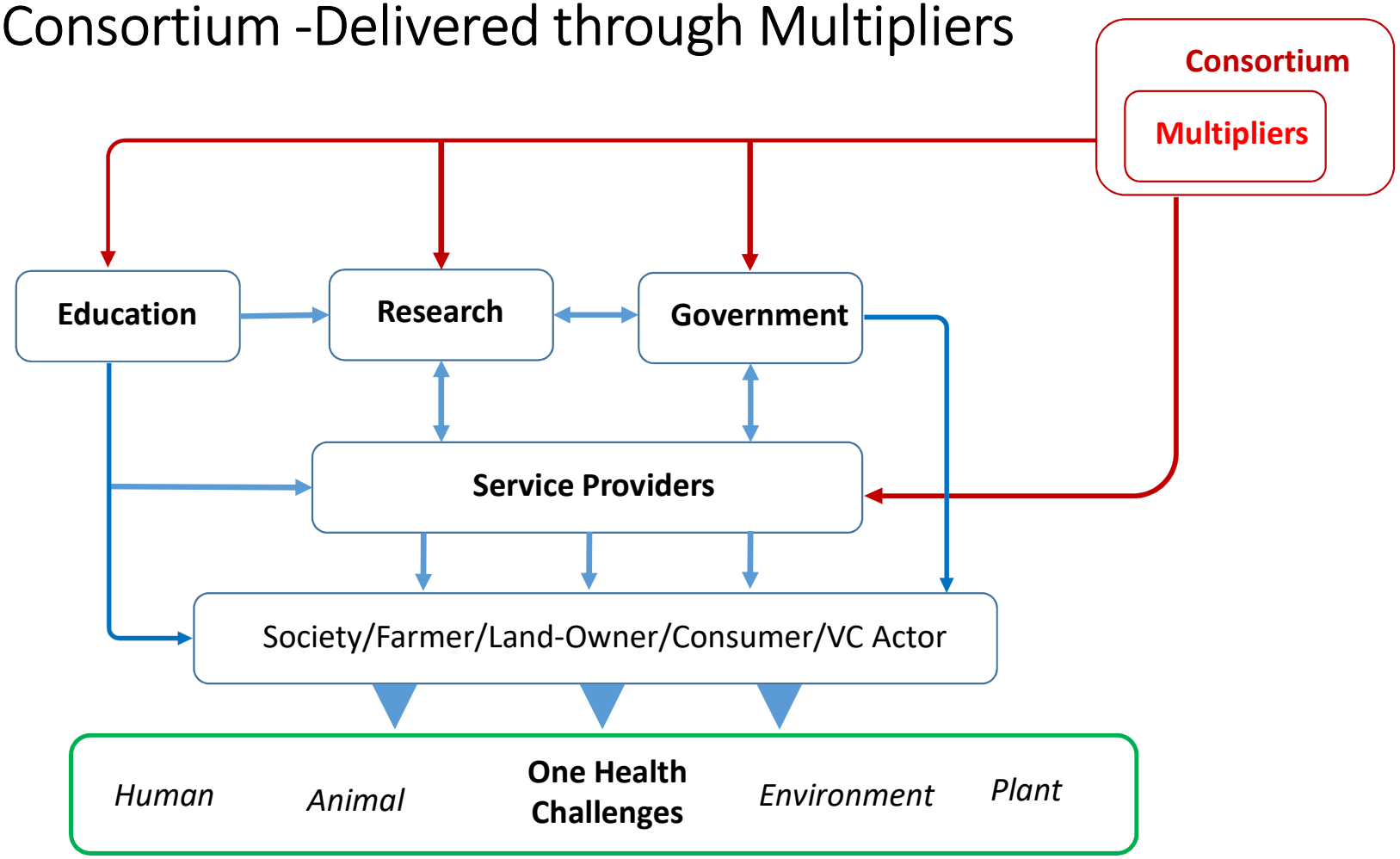

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What are the local multipliers doing?

Duration of local multipliers' involvement – 3.5 years

Products of local multipliers / consortium and how are they being used?

- WP1 One Health Knowledge: *inform national and international OH stakeholders*
  - Baseline surveys of OH landscape 11 countries – Netmappings to identify gaps in network of One Health implementers and stakeholders – One Health virtual observatory
- WP2 One Health Governance: *Strengthen governance structures and mechanisms, evidenced based policy*
  - One Health government platform and strategy– Science Media cafes
  - Training of stakeholders (leadership, communication, advocacy, project management, One Health in action)
- WP3 One Health Education: *Higher, secondary education students – future workforce – short-trainings for professionals*
  - One Health curricula and courses– OH Education fora with engagement of major national and international partners (WHO, FAO, WOAH, WorldBank…)
  - OH applied research outputs
- WP4 One Health Delivery*: Support delivery of One Health programme (e.g. rabies, AMR, food safety, wildlife conflict, agrochemical management)*

- Between country support and learning
- Synergise with existing initiatives

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Capacitating One Health in Eastern and Southern Africa

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CGIAR

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 CC BY.

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