

# Quadrupartite Community of Practices on Return on Investment for OH and OH Governance

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**World Organisation for Animal Health**

D19 November 2025, Athens,  
QPT Regional Workshop: Accelerating the Operationalisation of the One Health Joint Plan  
of Action in Veterinary Services in Europe






# Agenda

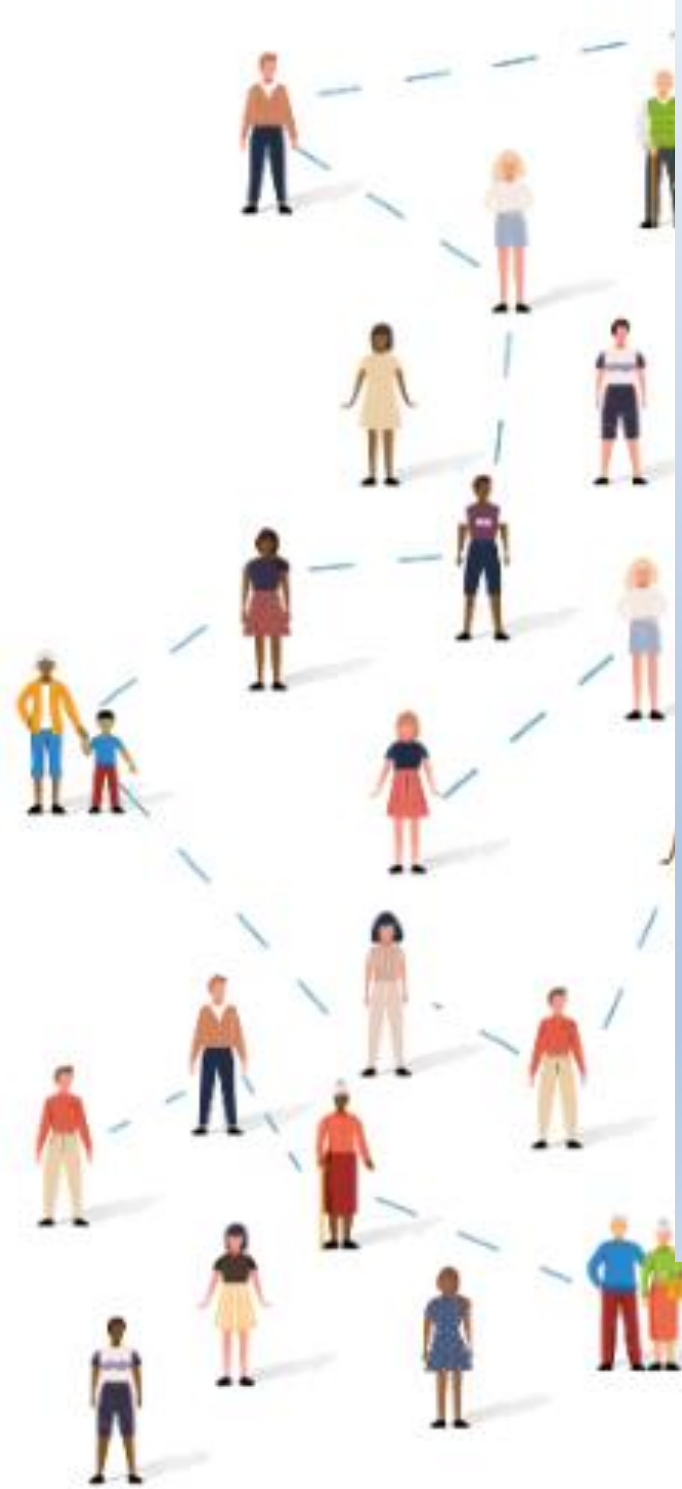
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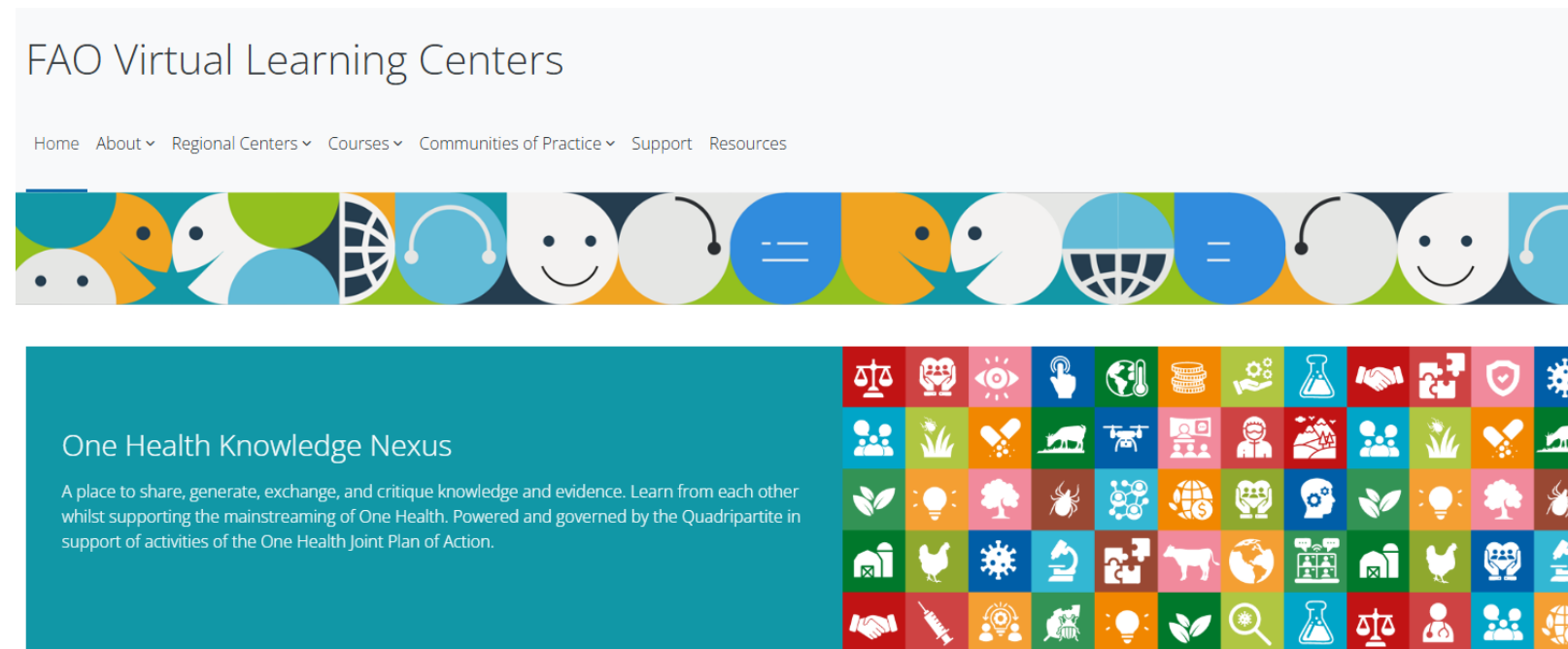
- 1.What is Community of Practice (CoP)**
  - 2.CoP on the Return on Investment (ROI) for OH**
  - 3.CoP on OH Governance**
  - 4.Conclusions and Q&A**
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# 1.What is Community of Practice (CoP)

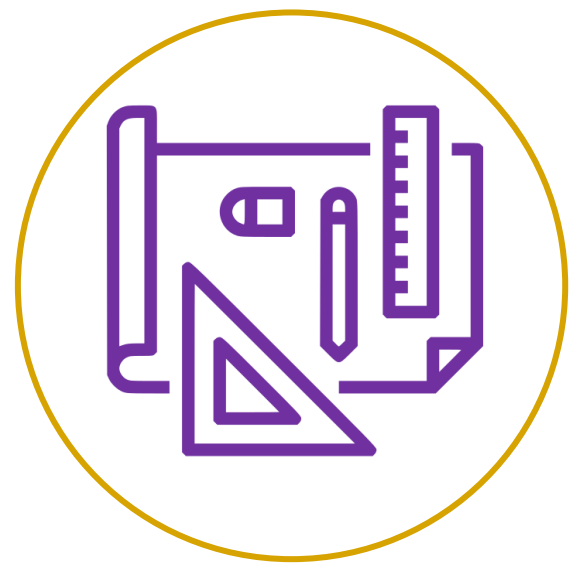
- CoP is a **free accessible** digital **space** made to facilitate **peer-based, collaborative learning** between professionals with shared interests
- After registration, a private environment is created that provides access to **many learning possibilities in many languages**
- CoPs can be powerful, because:
  - They **encourage diversity** (diversity of perspectives), which is critical to **innovation and improvement**
  - They can create an environment for co-learning based on **sharing** of practical experiences
  - They have the potential to grow and **create** new knowledge



# 1.What is Community of Practice (CoP)



- Hosted in *The One Health Knowledge Nexus*, of the FAO Virtual learning Centers



Ownership  
and Funding



Joint Governance



Quadripartite  
Communities of  
Practice

- QPT roles





# 2 CoP on the Return on Investment (ROI) for OH

POWERED BY THE QUADRIPARTITE COLLABORATION



Food and Agriculture  
Organization of the  
United Nations



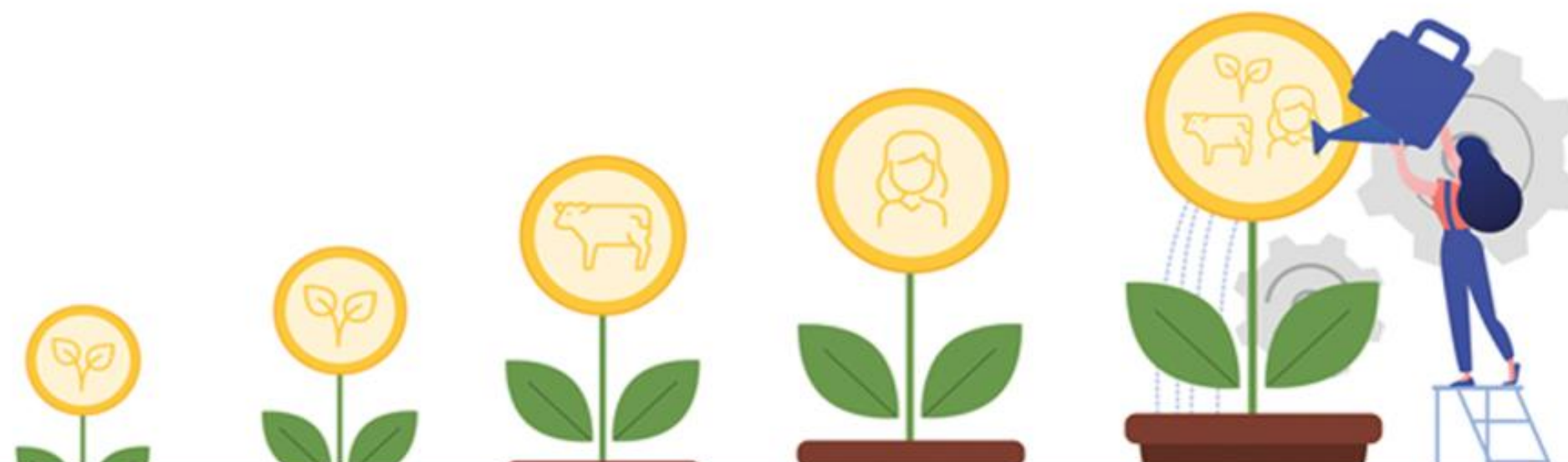
UN  
environment  
programme



World Health  
Organization



World Organisation  
for Animal Health  
Founded as OIE



Return on Investment for One Health and One Health Investment Planning

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Welcome to this **Quadripartite-Powered Community of Practice (CoP) on the Return on Investment (ROI) for One Health and One Health Investment Planning**.

Launched in November 2023.

Our community comprises of a diverse group of members with a range of technical knowledge, skills, and experience on returns for investment and economic evaluations of One Health as well as One Health investment planning.

We are looking forward to welcoming you into the community.

To get started, see the [introduction](#).

**Key collaborators and coordination**

What's new?

**One Health investment planning and leverage in Kenya**

**29 August at 13:00 CEST**

**RECORDING**

[Join the discussion](#)

**One Health governance in eastern and southern Africa**

## Why? What?

Demonstrating the Return on Investment (RoI) of One Health (OH) Initiatives is **essential for justifying investments** and guiding decisions on resource allocation.

Therefore, what we try to **evaluate** is the **strength of the collaboration or integration in a specific initiative** (e.g., integrated surveillance analysis), and then **measure the added** value compared to the outcome if there was no One Health initiative.



## 2 CoP on the Return on Investment (ROI) for OH Activities

Systematic literature review

International survey

Knowledge for investment product

Guidance for economic evaluations

Case studies

Community of practice building

Training course

Resources

Webinars



### Introduction

[View More](#)



### Who is who

Meet and find out more about other members.

[View More](#)



### Knowledge hub

FAO publications, other publications and useful resources.

[View More](#)



### Discussion forum

Engage in conversations with the community members.

[View More](#)



### Meetings and Events

Find recordings and summary notes from past meetings.

[View More](#)



### E-Learning Courses

Access learning materials on the guidance document.

[View More](#)



### Case Studies

Here you can find a selection of case studies on the return on investment for One Health.

[View More](#)



### Feedback and contacts

Have your say on the Community of Practice and find the details of how to contact us.

[View More](#)



# 2 CoP on the Return on Investment (ROI) for OH

## Status update on project implementation- Rol CoP (Q3 2025)



1. Expansion of the network : CoP of **474 members** from **92 countries** (vs 386 from 87 in June) – engagement through online events, discussion forums, targeted outreach
2. **Expansion of knowledge base through**
  - i. **2 new online events** : One Health governance to facilitate investment in One Health projects with OH Governance CoP (June 2025) and Quantifying animal disease burden to contribute towards return-on-investment calculations in One Health projects (September 2025)
  - ii. **New case studies** : 4 identified – first one on anthrax in Tanzania under review
3. **Technical guidance**
  - i. Published in June 2025 : Investing in OH – a framework to demonstrate its added value and return on investment in OH Atlas (CABI)
  - ii. Progress on advanced **draft publication** : Knowledge 4 investment
  - iii. Progress on advanced draft **guidelines for economic evaluation**
4. **Training** : 5 online VLC modules, soon to be launched with tutored course planned for September
5. Using CoP knowledge for **evidence-based methodology to develop investable, costed OH National Action Plans (OH NAPs)** in Malawi, Ghana and Nigeria (under development)

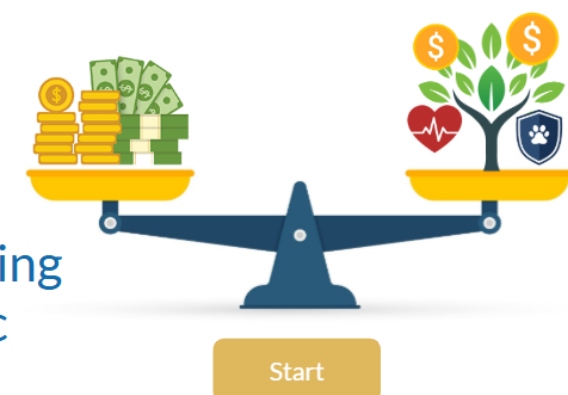
### *Distribution of members as of October 2025*



### One Health Economic Evaluation

#### Module five

Designing and conducting a One Health economic evaluation



# 3. CoP on OH Governance



## Community of Practice One Health Governance

[HOME](#) | [MY COURSES](#) | [OH GOVERNANCE](#)



Welcome to the Community of Practice on One Health Governance!

This Community of Practice is a dynamic space for policymakers, One Health experts, practitioners, Indigenous Peoples, and other stakeholders to collaborate on strengthening One Health governance frameworks at global, regional, national, and local levels.

The purpose of the community is to:

- foster knowledge exchange;
- co-develop solutions to governance challenges; and
- promote inclusive dialogue on policies that bridge the health of humans, animals, plants and the environment.

Explore our forums, contribute to working groups, and discover valuable tools and resources.

We invite you to engage actively and shape the future of One Health governance.

Why? What?

**Strengthen One Health governance frameworks, policies, and coordination mechanisms at global, regional, national, and local levels to support the effective implementation of the One Health Joint Plan of Action**



# 3. CoP on OH Governance activities

Introduction



Discussion forum



Resources



Webinar recordings



Who is who



Discussion	Started by
★ <a href="#">FAO Global Conference on Sustainable Livestock Transformation - Let's Connect!</a>	 <a href="#">Lina AWADA</a> 10 Sep 2025
☆ <a href="#">Webinar on successful experiences in America / Seminario web sobre experiencias exitosas en America</a>	 <a href="#">Lina AWADA</a> 5 Nov 2025
☆ <a href="#">Quadripartite One Health Legislative Assessment Tool for AMR</a>	 <a href="#">Vladimir Mijato...</a> 22 Sep 2025
☆ <a href="#">Coming soon: The Cambridge Handbook of One Health and the Law</a>	 <a href="#">Katie Woolaston</a> 8 Aug 2025
☆ <a href="#">Report of the Lancet One Health Commission</a>	 <a href="#">Mauro De Rosa</a> 7 Aug 2025
☆ <a href="#">Webinar - Experiences in One Health governance in Latin America and the Caribbean</a>	 <a href="#">Lina AWADA</a> 3 Jul 2025
☆ <a href="#">New One Health Explainer</a>	 <a href="#">Helen Coskeran</a> 24 Jun 2025
☆ <a href="#">One Health Events</a>	 <a href="#">KRISTINA ALMA...</a> 24 May 2025
☆ <a href="#">Examples of One Health governance</a>	 <a href="#">Marion Selosse</a> 30 Apr 2025
☆ <a href="#">Youth in One Health</a>	 <a href="#">KRISTINA ALMA...</a> 30 Apr 2025


## Webinar recordings

[HOME](#) | [MY COURSES](#) | [OH GOVERNANCE](#) | [WEBINAR RECORDINGS](#)

In this section you will be able to find recordings and presentations of the previous community webinars.

 [One Health Governance to facilitate investment in One Health projects \(June 2025\)](#)

 [Launch of the Quadripartite Community of Practice on One Health Governance \(30 April 2025\)](#)

 [Experiences in One Health Governance in Latin America and the Caribbean - Experiencias de gobernanza de una sola salud en América Latina y el Caribe \(July 2025 - Julio de 2025\)](#)



### 3. CoP on OH Governance activities

**Event:**

**One Health research priorities in focus**

In collaboration with CABI's One Health Hub

**Date:**

19 November | 14:00-15:30 CET | [Online](#)

**Event:**

**Environmental sector in One Health Governance: Example of the Asia-Pacific region**

Webinar 2 of the Community of Practice on One Health Governance

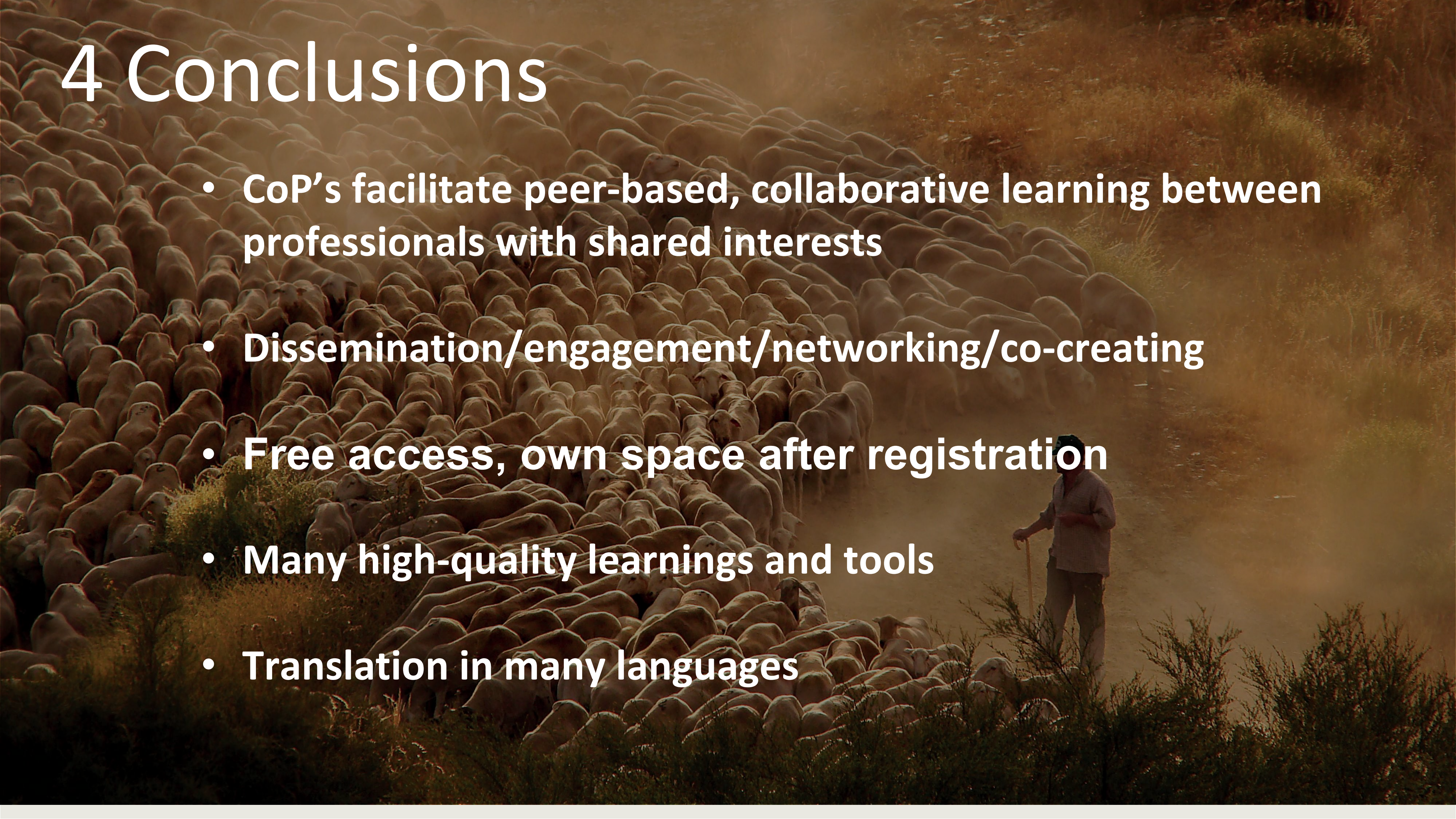
**Date:**

*Beginning December*



# 4 Conclusions

- CoP's facilitate peer-based, collaborative learning between professionals with shared interests
- Dissemination/engagement/networking/co-creating
- Free access, own space after registration
- Many high-quality learnings and tools
- Translation in many languages





Q&A



# Thank you

## Acknowledgments:

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QR-code Community of Practice sign-up:

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Health

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mondiale  
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animale

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Mundial  
de Sanidad  
Animal





Contents lists available at ScienceDirect

One Health

journal homepage: [www.elsevier.com/locate/onehl](http://www.elsevier.com/locate/onehl)

## Current evidence of the economic value of One Health initiatives: A systematic literature review

Aashima Auplish<sup>a,\*,1</sup>, Eleanor Raj<sup>a,1</sup>, Yoeri Booijink<sup>b</sup>, Katinka de Balogh<sup>a</sup>, Marisa Peyre<sup>b</sup>, Katrin Taylor<sup>a</sup>, Keith Sumption<sup>a</sup>, Barbara Häsler<sup>a,c</sup>

<sup>a</sup> Food and Agriculture Organization of the United Nations (FAO), 00153 Rome, Italy

<sup>b</sup> Centre de Coopération Internationale en Recherche Agronomique Pour le Développement (CIRAD), Montpellier Cedex 5 34398, France

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### ARTICLE INFO

**Keywords:**  
One Health  
Economic evaluation  
Return on investment  
Systematic review  
Added value

### ABSTRACT

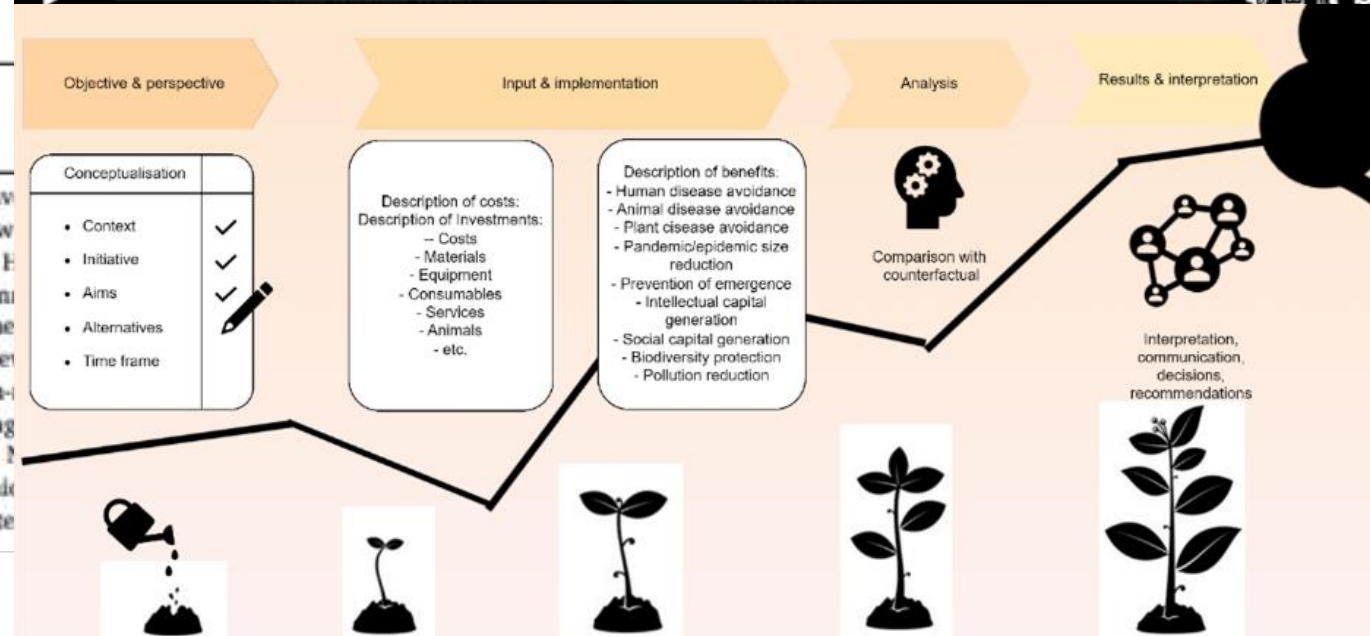
Funding and financing for One Health initiatives at country level remain challenging as they require demonstrated evidence of economic value or returns. The objectives of this review critically analyse and summarise quantitative evidence of the net economic value of One Health initiatives. The review i) documents methodologies commonly used in the scientific literature; and ii) describes common evidence gaps. Scientific databases were searched for published literature following the PRISMA protocol and an online survey and workshop with subject matter experts were used to identify relevant studies. Studies were included if they reported on quantitative costs and benefits (monetary and non-monetary) across at least two sectors. Relevant publications were analysed and plotted against the Quadrupartite One Health Joint Plan of Action to help classify the initiatives. 100 studies were included. Eighty studies involved only two sectors and 78 reported a positive economic return. Of those studies that reported a positive return, 49 did not compare with a sectoral counterfactual.

### About this course

## Learning objectives

At the end of this module, you will be better able to:

- 1 explain the term One Health;
- 2 list the main events that shaped One Health;
- 3 describe the importance of One Health;
- 4 provide an example of how the One Health approach could be applied in practice; and
- 5 identify the benefits and challenges of a One Health approach.



How to manage subscriptions

One Health Governance and political economy aspects

Environmental and health benefits of using a One Health approach

Evidence of the economic value of One Health initiatives

Measuring the added value of One Health

Cost-benefit analysis of capacity strengthening for transboundary animal disease emergencies

Building an investment case for action against AMR

Ecosystem health economics

## GAME THEORY: ONE HEALTH-RABIES CONTROL IN AFRICA



Sectors involved:  
Veterinary medicine  
Public health  
Government agencies

Swiss Tropical and Public Health Institute, University of Basel, University of Zurich, Centre Suisse  
Funded by:  
Investment: Multi-million dollar investment over multiple years

### ONE HEALTH COLLABORATION

The initiative to combat rabies through a One Health approach emerges against the backdrop of a longstanding public health challenge posed by rabies, particularly in low and middle-income countries. The initiative aims to leverage the synergies between human and animal health sectors to achieve more effective and sustainable outcomes in rabies prevention and control.

The primary objective of the initiative is to eliminate human deaths caused by dog-mediated rabies by 2030. This ambitious goal underscores the urgency of adopting a comprehensive approach that integrates interventions targeting both human and animal populations.

### ALTERNATIVE INTERVENTION- SCENARIOS

In this model, the strategies were compared to establish. Among alternative strategies under the assumption of no collaboration between the public health and veterinary authorities, focusing solely on transboundary PEP and canine rabies control, and secondary, an integrated approach involving coordinated campaigns, with medium-term pathogen introduction from outside the country border. Finally, a coordinated regional vaccination campaign, with coordinated efforts to both wildlife and domestic public health and veterinary efforts collaborating in a One Health approach, and cooperation between countries.



**\$1.8-\$13.1 PER VACCINATED DOG**

The strategy to control rabies encompasses various initiatives, notably mass vaccination campaigns targeting the canine population. These efforts are supplemented by dog-mediated rabies control, including rabies control, education, prevention and control, ensuring people to get necessary prophylaxis for bite victims, and coordinated surveillance efforts to prevent pathogen introduction. Costs associated with these strategies include vaccine procurement, personnel training, surveillance infrastructure, and administrative expenses.

### ASSOCIATED COSTS

**143,398,505 CANINES**

Estimated total canine population across the 60 countries included in the study for the base year 2020.

For the base year scenario in 2020, the countries report the average number of rabies-related deaths of 15,000 in the average age range between 20 and 29 years. The capital cost of one life due to rabies is valued between \$700,000 and \$900,000.

### IMPACT

Implementation of the One Health approach has the potential to significantly reduce human deaths and disability-adjusted life years lost due to rabies. By interrupting rabies transmission in the canine population, the initiative aims to achieve zero human deaths from dog-mediated rabies by 2030. Economic modeling suggests substantial financial gains and avoidance of human capital losses through coordinated mass vaccination campaigns. Economic modeling suggests substantial financial gains and avoidance of human capital losses through coordinated mass vaccination campaigns.

**PREVENT UP TO 59,000 RABIES RELATED DEATHS PER YEAR**

Rabies is a fatal neurological disease causing an estimated 59,000 human deaths, 5.7 million disability-adjusted life years and \$5.6 billion USD in economic loss each year.

**ELIMINATE RABIES WITHIN THE ANIMAL RESERVOIR**

### RETURN ON INVESTMENT

**BREAK-EVEN IN 2033**

Model scenarios suggest that the break-even point between the coordinated mass vaccination program and the baseline PEP model occurs in 2033. Other scenarios have been found to be less profitable than the baseline strategy, including Human Capital effect and the baseline point in 2036. For some scenarios the Human Capital effect gains were important that it is profitable from the beginning of the vaccination campaign.

**9,547,000,000 USD IN 2054**

The gain of economic benefit from vaccination campaign, resulting in an estimated of 9,547,000,000 USD in 2054, compared to the baseline situation.

**COORDINATION SHIFTS THE DOMINANT STRATEGY**

Without vaccination on the world, about 2 groups of countries with different dominant strategies. The first group consists of countries where it is more beneficial to invest economic dogs independent of other countries' choices. The second group consists of countries for which mass dog vaccination is very beneficial. All countries participate in the coordinated strategy within the baseline without vaccination or losses. Coordination shifts the dominant strategy to mass dog vaccination campaigns of the group of countries for all countries and is considered a Pan-regional strategy.

### CHALLENGES & LESSONS LEARNED

Despite the challenges remain across to countries, coordinated by the reality of dogs and people for transmission. In certain regions, limited vaccine availability and poor governance impede a comprehensive rabies intervention. Overcoming these challenges requires robust engagement and collaboration, requiring defined efforts and resources across sectors and borders.

Effective rabies control requires a multi-sectoral and interdisciplinary approach, emphasizing surveillance, communication and capacity building. Intersectoral modeling and economic analysis provide valuable insights into the potential impact and cost-effectiveness of intervention strategies. Coordinated cooperation is essential for achieving sustained rabies elimination and preventing further zoonotic outbreaks.