



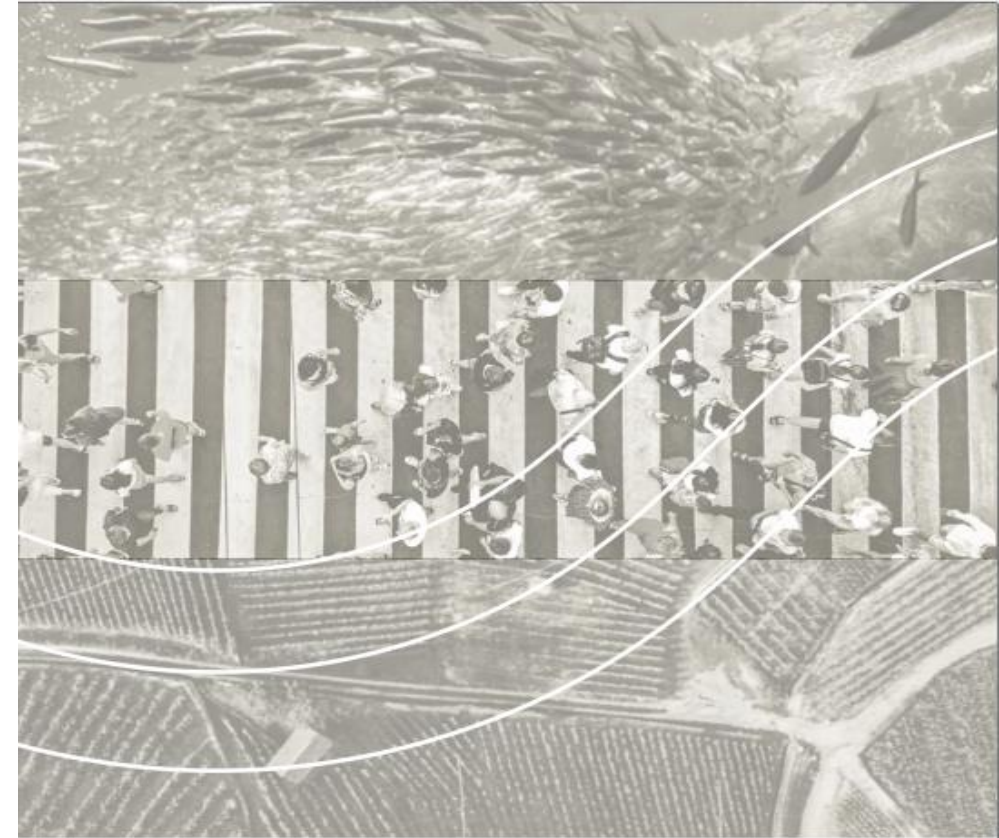
# Building a One Health Workforce: From Day 1 Foundations to Expert Practice

**Accelerating the Operationalisation of the One  
Health Joint Plan of Action (OHJPA) in Veterinary  
Services in the European Region**

18-20 November 2025

Athens, Greece

Capacity Building Department  
WOAH HQ



**One Health**

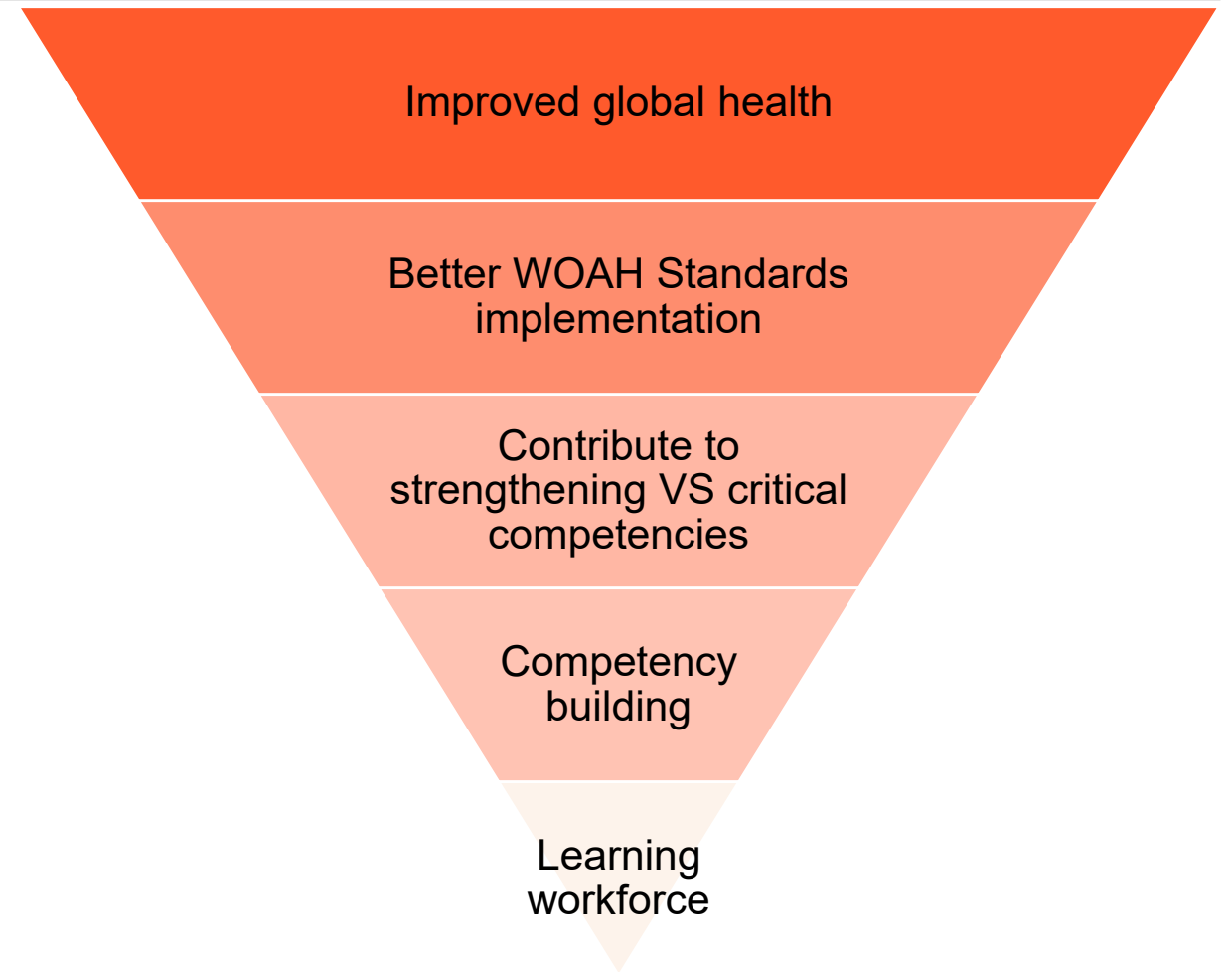
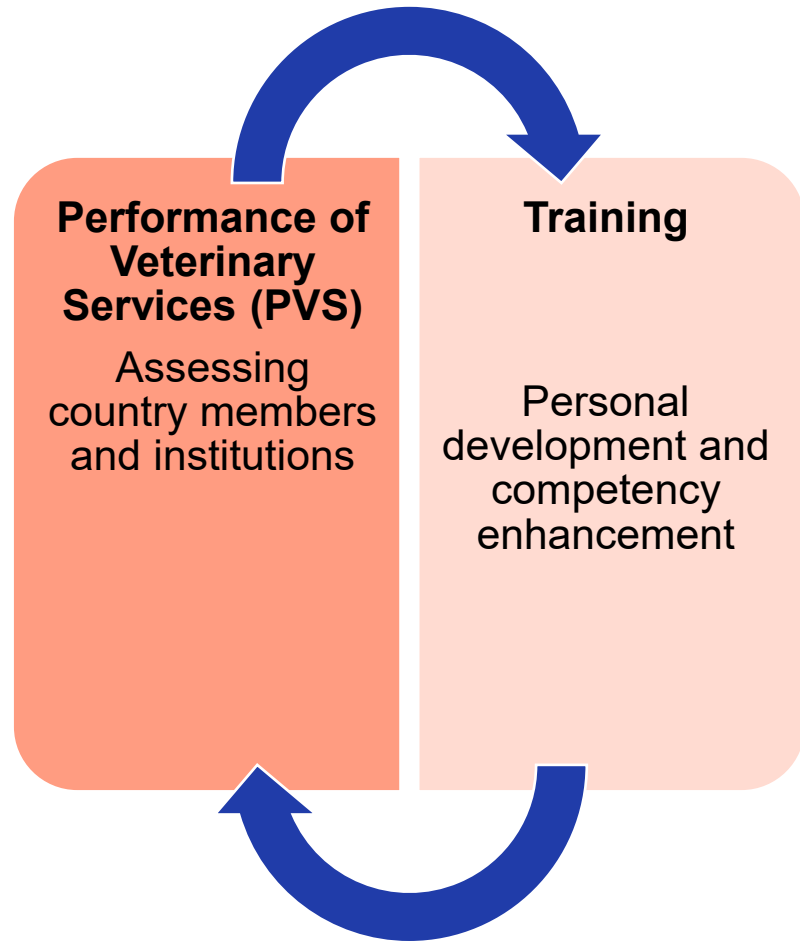
Competency Package

11



World Organisation  
for Animal Health  
Founded as OIE

Training Platform



- The **PVS** serves as a baseline for assessing **country members and institutions**, while the **Training** System targets **learners and individuals**
- The training is a relevant component of workforce development, designed to elevate **knowledge skills** and **competencies**

HOME

ABOUT ▾

DOCUMENTS

INSIGHTS

TOOLS ▾

ADD NEW MISSION

MANAGE MY MISSIONS

MANAGE EXPERTS

MANAGE METADATA

MANAGE REPORTS

UPLOAD DOCUMENTS

- ☐ Conduct training needs assessment for veterinary para-professionals
- ☐ Conduct training on disease surveillance and prevention
- ☐ Consider cost of training in other countries
- ☐ Consider savings in training facilities and lecturers
- ☐ Consider specialized training for Veterinary Para-professionals
- ☐ Consider specialized training/qualifications/experience

Consider savings in train

Qualitative Insights

🔍 training

- ☐ Conduct Foot and Mouth Disease surveillance testing and training
- ☐ Conduct formal training needs assessment
- ☐ Conduct needs assessment for veterinary training
- ☐ Conduct study on cost effectiveness of increased veterinary training
- ☐ Conduct systematic review of curriculum and training me
- ☐ Conduct training and simulation exercises for diseases

Conduct study on cost effectiveness of increased

Qualitative Insights

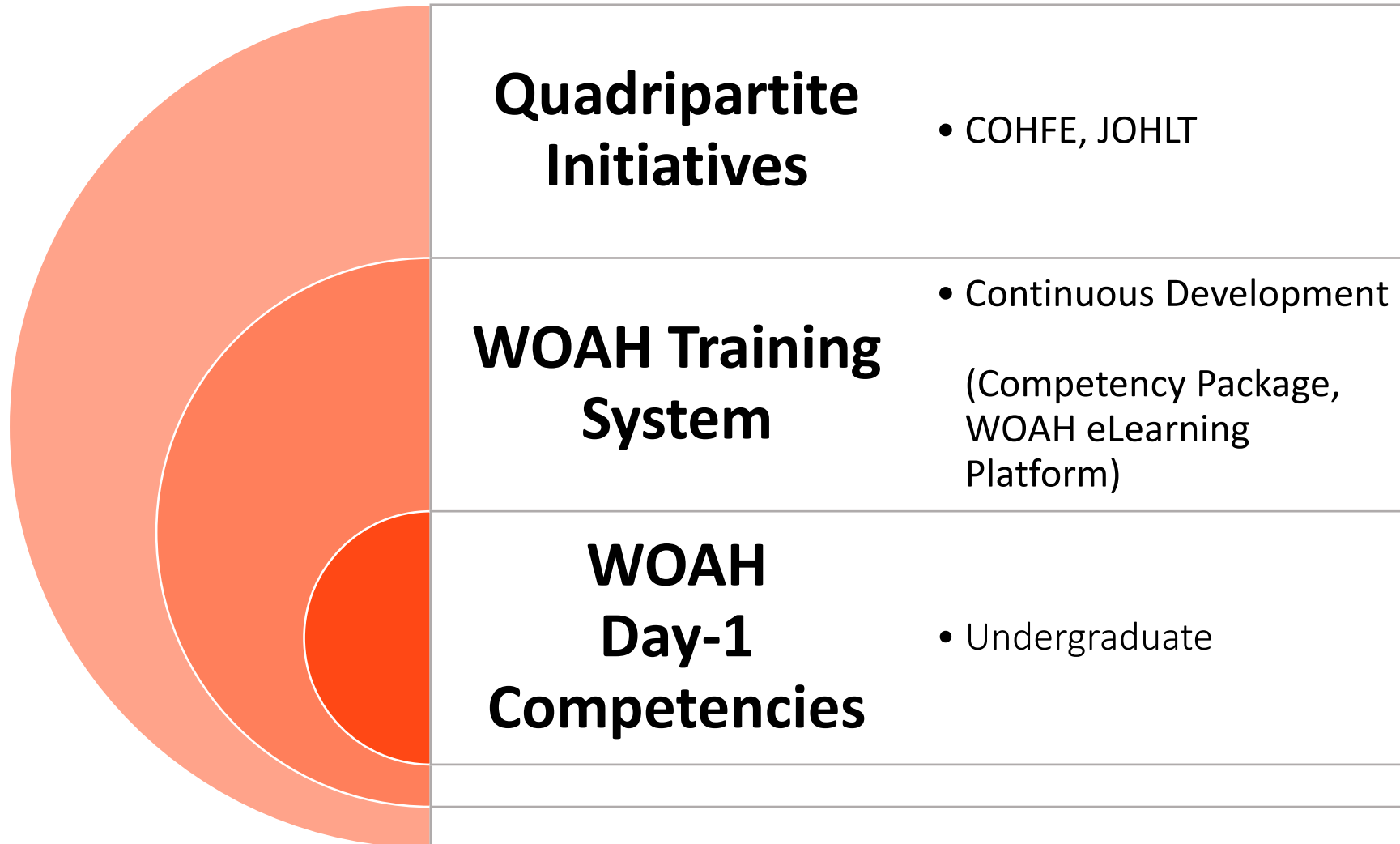
- ☐ Consider training at overseas institutes
- ☐ Consider training for staff capacity in equivalence agreements
- ☐ Consider training of veterinarians in different universities
- ☐ Consider training private veterinarians and para-professionals for regulatory functions
- ☐ Consider Veterinary Council accreditation of Veterinary Para-professional training institutions
- ☐ Consolidate training provided by different institutions
- ☐ Consult European Union's PTSE initiative for training

Consider traini

- ☐ Allocate resources for training program at Animal Health and Production College
- ☐ Allow program priorities to drive training investments
- ☐ Allow student training at national laboratories
- ☐ Analyze human resource needs and develop training plan
- ☐ Analyze human resource needs and develop training plan with continuing education
- ☐ Appoint personnel for animal health training

Analyze human resource

Qualitative Insights





# WOAH Training System- Why individual competencies are important to improve Veterinary Services?

**WOAH  
Manuals  
and  
Codes**

## **Section 3 of Codes**

Quality of  
Veterinary  
Services / Aquatic  
Animal Health  
Services

**PVS  
Pathway**

45 Critical  
Competencies  
(Institutional  
Capacities)

Individual  
Competencies

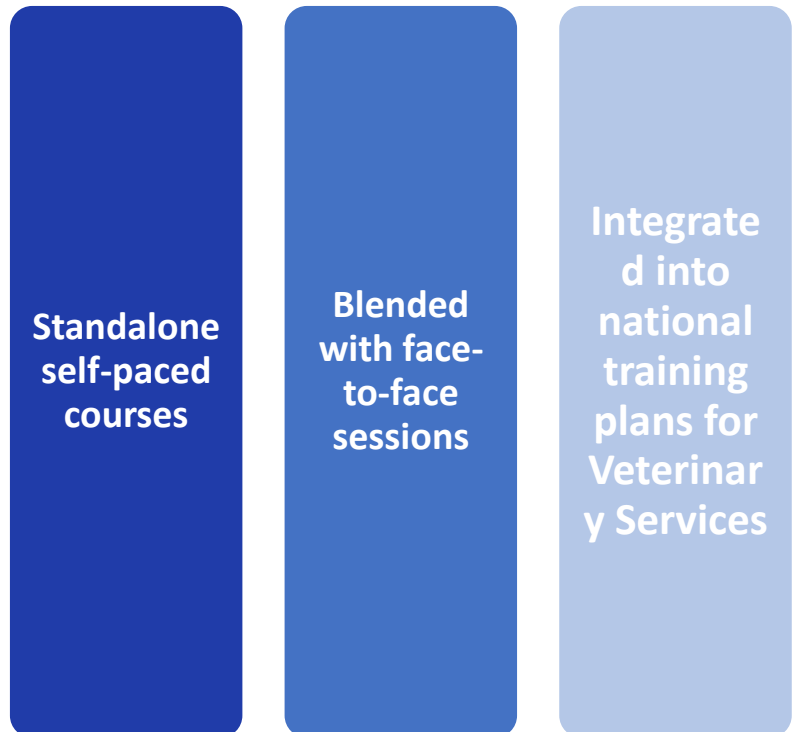
## **Competency Based Training Framework**



## Learning Audiences

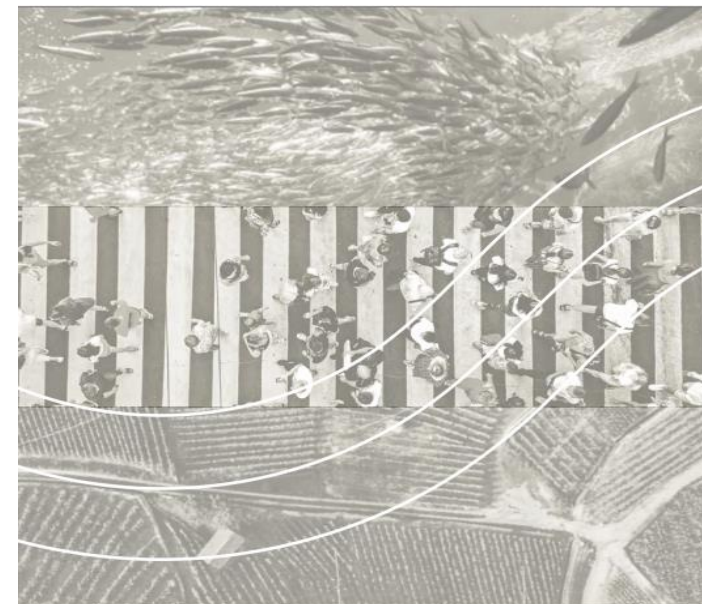
Years of experience	Knowledge	Skills	Competencies
<b>Day 1:</b> Newly graduated (0-3 years)	Basic factual and theoretical knowledge	Applying basic skills to tasks	Self-management, responsibility
<b>Day 2:</b> Mid-career (3- 5 years)	Specialised knowledge, critical awareness	Creative problem-solving and innovation	Decision-making, leadership in small teams
<b>Expert:</b> Senior professionals (5+ years)	Advanced frontier knowledge	High-level expertise, critical evaluation	Strategic management, professional leadership

## How to use WOAH eModules?





- **Breaks Down Silos:** Provides a common language and skill set for different sectors to collaborate
- **Standardises Excellence:** Defines what "good" looks like for One Health competency globally
- **Guides Investment:** Helps governments and donors target training and capacity-building funds effectively
- **Strengthens Global Health Security:** A competent One Health workforce is our first line of defense against pandemics



One Health

Competency Package

11



World Organisation  
for Animal Health  
Founded as OIE

Training Platform



- I. WOAHA knowledge system and CP11
- II. Scope
- III. Learning audiences
- IV. PVS critical competencies relevant to One Health
- V. Learning modules
- VI. Recommended learning paths
- VII. Glossary
- VIII. References
- IX. Annex



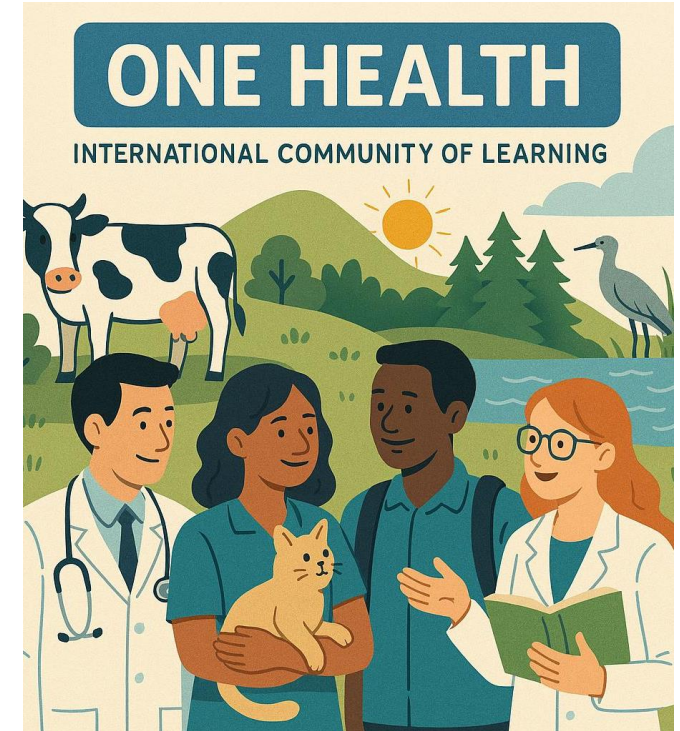
**One Health**

Competency Package  
**11**





1. **One Health Fundamentals (Concepts, Systems Thinking)**
2. **Collaborative Working (Teamwork, Leadership)**
3. **Personal Behaviour and Accountability (Ethics, Inclusion)**
4. **Governance, Policy, Communication and Advocacy**
5. **Research and Implementation Science**
6. **Monitoring and Evaluation**
7. **Institutions and Workforce Development**





# One Health Topics and sub-topics

Topics	Sub-Topics
T1. One Health Fundamentals	<ul style="list-style-type: none"><li>1.One Health concepts</li><li>2.Systems thinking</li><li>3.Ecosystem science</li><li>4.Social determinants of health</li><li>5.Added value of One Health</li></ul>
T2. Collaborative Working (for individuals)	<ul style="list-style-type: none"><li>1.Transdisciplinarity</li><li>2.Collaborative working</li><li>3.Stakeholders, inclusion, and equity</li><li>4.Leadership</li></ul>
T3. Personal Behaviour and Accountability	<ul style="list-style-type: none"><li>1.Personal behaviour and accountability</li><li>2.Interpersonal relationships</li><li>3.Gender equity and inclusion</li></ul>
T4. One Health Governance, Policy, Communication and Advocacy	<ul style="list-style-type: none"><li>1.One Health governance and policy</li><li>2.Principles of One Health communication</li><li>3.Cross-disciplinary engagement in One Health communications and advocacy</li><li>4.Influencing One Health through communications and advocacy</li><li>5.Multisectoral tools for the sustainable implementation of the One Health approach</li></ul>
T5. One Health Research and Implementation Science	<ul style="list-style-type: none"><li>1.One Health research and data literacy</li><li>2.Theories and models of One Health Implementation Science</li><li>3.Enabling One Health stakeholders and implementation teams</li><li>4.Evidence to inform One Health implementation</li></ul>
T6. One Health Monitoring and Evaluation	<ul style="list-style-type: none"><li>1.One Health monitoring and evaluation</li></ul>
T7. One Health Institutions and Workforce	<ul style="list-style-type: none"><li>1.One Health organisational structure and operations</li><li>2.One Health capacity-building and workforce development</li><li>3.Institutional partnerships</li></ul>

Competent Authority	Professional Profiles	Responsibilities
Veterinary Services/ Aquatic Animal Health Services (central, provincial, local)	WOAH Delegates, WOAH Focal Points	Supervise and report on the implementation of WOAH standards and guidelines on One Health
	Veterinarians, Veterinary paraprofessionals, Community animal health workers	Develop One Health legislation, policies and strategies in compliance with WOAH standards and guidelines on One Health
		Implement One Health legislation, policies and strategies in compliance with WOAH standards and guidelines on One Health
Competent Authorities for environmental health	Agronomists, agricultural researchers, environmental engineers, wildlife conservationists, etc.	Implement One Health legislation, policies and strategies in alignment with WOAH standards and guidelines on One Health
Competent Authorities for human health	Public health personnel (surveillance officers, field epidemiologists, etc.) Human health providers (physicians, nurses, mental health providers, pharmacists, etc.) Health managers	
Other Competent Authorities involved in One Health (central, provincial, local)	Staff of international and regional organisations	



Learning audiences	Responsibilities
<ul style="list-style-type: none"><li>• Animal shelters/rescues, pet/equine boarding facilities</li><li>• Zoological organisations</li><li>• Cooperative extension agencies</li><li>• Academic institutions (post-graduate level)</li><li>• Humanitarians</li><li>• Non-governmental organisations</li><li>• Municipalities</li><li>• Citizens</li><li>• Private business operators (farmers, pastoralists, breeders, transporters, pet stores, etc.)</li><li>• Students</li><li>• Finance authorities</li><li>• Social development agencies</li><li>• Emergency managers and first responders</li><li>• Other public health institutions</li></ul>	<p>Support the implementation of One Health legislation, policies and strategies in compliance with WOAHS standards and guidelines on One Health</p>

PVS critical competency	Description	Rationale
<b>I. Human, Physical, and Financial Resources</b>		
<b>I-1.A: Veterinary and other professionals (university qualified)</b>	The appropriate level of staffing of the VS to allow for veterinary and other professional functions to be undertaken efficiently and effectively	Essential for implementing One Health practices and ensuring integration of animal, human, and environmental health.
<b>I-1.B: Veterinary paraprofessionals</b>	The appropriate level of staffing of the VS to allow for veterinary paraprofessional (according to the WOAHP definition) functions to be undertaken efficiently and effectively.	Paraprofessionals expand the reach of Veterinary Services, which is crucial for One Health approaches in resource-limited settings.
<b>I-2.A: Veterinary and other professionals (university qualified)</b>	This references the OIE recommendations on the Competencies of graduating veterinarians ('Day 1 graduates') to assure National Veterinary Services of quality, and WOAHP guidelines on Veterinary Education Core Curriculum.	Adequate staffing is critical for addressing both animal and human health challenges.
<b>I-2.B: Veterinary paraprofessionals</b>	This references the WOAHP Competency Guidelines for Veterinary Paraprofessionals and WOAHP Curricula Guidelines for Veterinary Paraprofessionals	Extends the capacity of Veterinary Services, particularly in rural and underserved areas.





# About the eModule Catalogue

A growing collection of online training modules developed under the WOAHA Competency-based Training Framework (CBTF), aligned with WOAHA Terrestrial and Aquatic Codes, Manuals, and Guidelines







# **“Learning that Strengthens Veterinary Services Worldwide through WOAH Standards”**



## **Who can access it?**

**WOAH eLearning Platform is an open access free for every learner. Veterinary professionals can self-enroll**



[Home](#)[About eLearning](#)[eModules Catalogue](#)[Guidelines](#)[Partners](#)

CP1 - WOA and its partners introduction



CP2 - Quality and management of  
Veterinary Services/Aq AHS



CP3 - Risk analysis



CP4 - Laboratory services



CP5 - Animal health management



CP6 - Emergency management



CP10 - Partnership



CP11 - One Health



CP12 - Trade of animals and animal  
products



CP13 - Food safety



CP14 - Economics of animal health



CP15 - Aquatics



CP16 - Wildlife



CP17 - Internal OIE trainings

## Interactive and Engaging



Videos



Podcasts



Case studies



Quizzes





CP 1

WOAH and its Partners








## 2025 WOAHA New Delegates

Knowing WOAHA: Your Journey Begins Here!

Welcome to "Knowing WOAHA", a dynamic video series designed especially for new Delegates! Each week, unlock a short, insightful video that will guide you through the essential pillars of the World Organisation for Animal Health (WOAH).

From understanding our global mission to discovering your role as a Delegate, this journey will equip you with the knowledge to navigate the world of international animal health and welfare governance.

Here's what to expect:

-  **Video 1** – WOAHA: An organisation dedicated to serving its Members
-  **Video 2** – Being a WOAHA Delegate around the year
-  **Video 3** – Developing and implementing WOAHA standards on animal health and welfare
-  **Video 4** – How WOAHA officially recognises disease-free status and endorses control programmes
-  **Video 5** – Early warning and transparency: Exploring WOAHA's WAHIS platform



## Discover the World Organisation for Animal Health (WOAH)

This introductory module offers a foundational overview of the World Organisation for Animal Health (WOAH), designed to familiarise learners with its structure, mission, and global impact. The content is clearly structured to guide participants through WOAHA's historical evolution, strategic objectives, and the pivotal role it plays in supporting Veterinary Services worldwide. Through accessible narratives and key takeaways, learners are not only informed but also empowered to become ambassadors of WOAHA's mission. The module effectively sets the stage for deeper engagement with WOAHA's standards and initiatives, aligning with best practices in adult learning by connecting organizational knowledge to real-world relevance.

**Duration** : 2 hours

**Enrollment method** : Self-enrollment

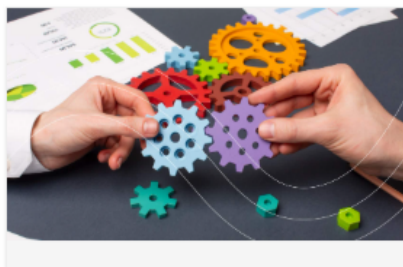
**Course language** : EN





CP 2

Quality of Veterinary Services  
and Aquatic Animal health  
Services



### Leadership Essentials for Veterinary Services

This module represents a cornerstone of the WOA series on leadership in Veterinary Services. It is a foundational tool designed to introduce leadership theories and styles while building key competencies across professional levels. It lays the groundwork for individual learning pathways and forms part of a modular toolbox tailored for Intermediate, Advanced, Chief Veterinary Officers (CVOs) and WOA Delegates.



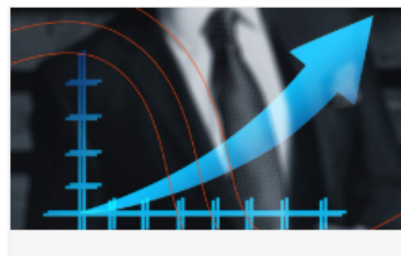
### Leadership of Chief Veterinary Officers and WOA Delegates for stronger Veterinary ...

This module equips CVOs and WOA Delegates with leadership skills to effectively manage Veterinary Services, navigate evolving challenges, and implement strategic policies. It focuses on high-level decision-making, stakeholder engagement, advocacy, and negotiation. Learners will enhance their ability to: understand and anticipate change, adopt a strategic vision, advocate for their country, manage risks and conflicts, build and lead teams, and communicate effectively at all levels, including political engagement.



### Leadership in Veterinary Services: intermediate level module

This module delves into best practices to empower intermediate-level veterinary leaders to lead with impact. It includes interactive simulations, real-life cases, and practical scenarios to strengthen leadership competencies. Learners will develop the ability to work in dynamic environments, take responsibility for decision-making, build trust, delegate, and manage conflicts within teams and stakeholder networks.



### Leadership in Veterinary Services: advanced level

This module represents a cornerstone of the WOA series on leadership in Veterinary Services. It is a foundational tool designed to introduce leadership theories and styles while building key competencies across professional levels. It lays the groundwork for individual learning pathways and forms part of a modular toolbox tailored for Intermediate, Advanced, Chief Veterinary Officers (CVOs) and WOA Delegates.



CP 5

Animal Health  
Management



### Outbreak Investigation and Response Management- Veterinarians in Central Govern... ➔

This module equips veterinarians with the skills to manage and investigate animal disease outbreaks. It covers systematic approaches to investigations, coordinating stakeholders, designing epidemiological studies, recommending control measures, evaluating investigations, and applying risk communication principles.



### Outbreak Investigation and Response Management- Field Veterinarians ➔

This module provides an in-depth exploration of outbreak investigation and response principles in animal populations. Learners will develop key competencies in case definition assessment, epidemiological data collection and analysis, emergency control implementation, and stakeholder engagement, strengthening their capacity to contribute effectively to disease prevention and control.



### Outbreak Investigation and Response Management- Veterinary Paraprofessionals ➔

This module provides veterinary paraprofessionals with essential skills for managing transmissible animal disease outbreaks. Learners will develop competencies in collecting and reporting epidemiological data, implementing emergency control measures, tracing outbreaks, and effectively communicating findings to stakeholders. By completing this module, learners will be equipped to contribute to disease prevention and control efforts.



### Outbreak Investigation and Response Management- The Toolbox ➔

The Toolbox is the learner companion resource for the Outbreak Investigation and Response Management modules. It has been thoughtfully designed to support the learning journey, whether you prefer to begin with the e-book to build foundational knowledge or dive into the interactive modules and consult the Toolbox along the way — both paths are perfectly valid.



### AFRICAN SWINE FEVER IN WILD BOARS, BIOSECURITY MANAGEMENT AND PRACTI... ➔

This eModule is designed to strengthen your expertise in managing ASF outbreaks in wild boar populations. Through interactive learning, you will explore ASF transmission dynamics, effective surveillance strategies, essential biosecurity measures, and approaches for engaging hunters and stakeholders. Dive in to enhance your knowledge and play a vital role in controlling this impactful disease.







CP 6

## Emergency Management



### Introduction to Emergency Management

This course provides veterinary professionals with practical knowledge and skills for managing emergencies and disasters. It covers key concepts, command structures, and the veterinarian's role in the entire management cycle—from preparedness to recovery. Participants will gain experience in coordinating with stakeholders, understanding regulatory frameworks, mobilizing resources, and implementing communication systems, while integrating gender equity, diversity, and inclusion principles into emergency response planning.



### Planning Preparedness for Emergencies

In this module, you, as an expert-level Veterinary Services Emergency Manager, will be provided an overview of the approaches, and tools, that would help you assess, and assist a jurisdiction to develop a framework, and an emergency plan. Your plan will incorporate the main actors and stakeholders into a coordinated, functional response force.



### Emergency Response

This module will discuss the main Emergency Management and risk reduction measures to protect animal health and welfare during emergencies. We will also consider One Health aspects of emergency and disaster events, including veterinary public health. While other modules focus on concepts and planning, this module will focus on responding to these unfortunate events.





CP 7

Animal Welfare




## Killing of reptiles for their skins, meat, and other products




This module describes the welfare standards during reptile killing across various settings, from managed slaughterhouses to the forest. The module equips expert veterinarians to assess animal conditions and provide guidance to professionals in the field, ensuring consistent and humane practices. It covers the principles outlined in Chapter 7.14 of the WOAH Terrestrial Animal Health Code.





## Coming Soon: New Animal Welfare eModules!

 We're excited to announce that three new eModules are currently under development under Competency Package 7 – Animal Welfare! These courses are based on the latest chapters of the OMSA Terrestrial Animal Health Code (TAHC) and aim to provide critical knowledge and practical skills for professionals engaged in animal welfare across sectors.

 The upcoming modules include:

- Slaughter of animals (TAHC Chapter 7.5)
- Killing of animals for disease control purposes (TAHC Chapter 7.6)
- Animal welfare and pig production systems (TAHC Chapter 7.13)

 Whether you're in the field, in policy, or in training roles—these modules are designed to support you in applying global standards on animal welfare.

 Stay tuned! Launch updates will be posted here and in our newsletter.



CP 8

Prudent Use of  
Antimicrobials and Other  
Veterinary Products



### General introduction to AMR, with WOA's lens



This module provides foundational knowledge on antimicrobial resistance (AMR), its development, and its impact on animal and public health. Learners will explore the role of Veterinary Services (VS) and Animal Health Authorities in antimicrobial use (AMU) and stewardship

**Duration:** 6 hours



### Stewardships on AMR in terrestrial animals



This module delves into best practices for antimicrobial use in terrestrial animals, detailing the roles and responsibilities of veterinarians, policymakers, and producers. It also covers risk assessment, regulatory frameworks, and national surveillance strategies.

**Duration:** 3 hours



### Stewardships on AMR in aquatic animals



This module focuses on antimicrobial use in aquatic animal production, this module outlines proper stewardship practices, legislative frameworks, and monitoring strategies to mitigate AMR risks.

**Duration:** 2 hours

**Enrollment method:** self-enrolment



### Stewardships on AMR under One Health approach



This module emphasizes the global impact of AMR and the importance of a coordinated One Health response. It covers responsible antimicrobial use across human, animal, and environmental health sectors, aligning with international frameworks

**Duration:** 3 hours

**Enrollment method:** self-enrolment

**Level:** Day 1 and VPP



### Building a national AMR Action Plan (NAP) focused on the terrestrial and aquatic ani...



This module equips professionals with the knowledge and tools to design, implement, and monitor a National Action Plan (NAP) for AMR. It covers governance, cross-sectoral coordination, and evaluation metrics

**Duration:** 4 hours

**Enrollment method:** self-enrolment

**Level:** Expert



CP 10

Partnership



### Public-Private Partnerships in the Veterinary Domain: An Introductory Module



Duration: 1 hour

Enrollment method: self-enrolment



### Animal Health Surveillance and Partnerships



Duration: 3 hours

Enrollment method: self-enrolment

Level: Day 2



### Public-Private Partnerships: Opportunities for Progressive Control of Transboundary ...



Duration: 2 hours

Enrollment method: self-enrolment

Level: Day 2





CP 12

Trade of Animals and  
Animal products



#### The role of Veterinary Services in import and export of animals and animal products: ...

This module introduces the fundamental role of Veterinary Services in ensuring the safe and efficient trade of animals and animal products. Participants will explore VS responsibilities, organisational structures, and interactions with public and private stakeholders to facilitate trade while maintaining animal health and welfare. The session will also cover stakeholder mapping and the application of PVS Critical Competencies to strengthen VS capacity in trade. Through a review of PVS evaluation reports, participants will gain insights into using these assessments to enhance national trade frameworks.

**Duration:** 6 hours

**Enrollment method:** self-enrolment

**Level:** Day 1



#### Selection and implementation of sanitary measures to be applied at export and import

"This module provides a comprehensive understanding of the sanitary measures applied in the international trade of animals and animal products. Learners will assess the technical characteristics, methodologies, objectives, and limitations of measures such as quarantine, sampling, testing, disinfection, vector control, and inactivation processes. The module also focuses on applying key WOAHS Standards for risk management measures at import and export, ensuring safe and science-based trade practices."

**Duration:** 8 hours

**Enrollment method:** self-enrolment

**Level:** Expert



#### Definition and demonstration of disease freedom (country, zone, compartment)

This module focuses on the application of WOAHS standards for defining, demonstrating, and maintaining disease freedom at country, zone, or compartment levels, to facilitate safe trade of animals and animal products.

**Duration:** 3 hours

**Enrollment method:** self-enrolment

**Level:** Day 2



#### Principles of animal health status and regionalisation

This module explores the implications of transboundary diseases, including zoonoses, on international trade. Learners will develop the skills to find up-to-date and reliable information, understand disease surveillance and reporting systems, and grasp key concepts such as official control programs, notifiable diseases, and Veterinary Services governance. The module also covers WOAHS tools for transparency and information sharing, including PVS, WAHIS, self-declaration, and official disease status.

**Duration:** 3 hours

**Enrollment method:** self-enrolment

**Level:** Day 1

11 available eModules  
under CP 12



CP 15

Aquatics



## New Aquatic Health eModules on the Horizon!

📖 Under Competency Package 15 – Aquatic Animal Health, we are currently developing four exciting new eModules to help build capacity in aquatic health surveillance and disease prevention.

🔍 Here's what's coming your way:

- Aquatic Animal Health Surveillance (Day 1)
- Introduction to Geographic Information System (GIS) Applied to Aquatic Animal Health (Day 1)
- Aquatic Animal Health Surveillance (Day 2)
- Prevention and Control of Diseases of Aquatic Animals (Day 2)

🌐 These eModules are specially designed for professionals working in aquatic environments, enabling better disease tracking, control strategies, and use of GIS tools in surveillance.

📧 Don't miss out! Watch this space or subscribe to our [newsletter] to be the first to access these valuable learning opportunities.







CP 16

Wildlife



### Wildlife surveillance - Day 2

This module on wildlife surveillance supports the implementation of WOAH Standards, particularly those under Section 1 of the Terrestrial Animal Health Code (TAHC) related to disease diagnosis, surveillance, and notification, as well as disease-specific standards (e.g., FMD, PPR). It provides an overview of wildlife surveillance systems, including passive and active components, and the role of stakeholders in disease monitoring, prevention, and control. The module covers both terrestrial and aquatic wild animals, captive wild animals, and feral animals.

**Duration:** 4 hours

**Enrollment method:** self-enrolment

**Level:** Day 2



### Wildlife surveillance - Expert

"This module is dedicated to wildlife disease surveillance systems. It strengthens capacity to implement the WOAH Standards related to disease diagnosis, surveillance, and notification. Learners will apply risk-based surveillance approaches, assess socio-economic impacts, engage stakeholders using a One Health approach and develop national surveillance strategies for terrestrial, aquatic, captive, and feral wildlife populations."

**Duration:** 6 hours

**Enrollment method:** self-enrolment

**Level:** Expert



### Wildlife health along the wildlife trade value chain - Day 2

This module focuses on the complexities of the wildlife trade and supply chains, highlighting their interconnections with domestic animal trade and their role in the emergence and spread of pathogens. Learners will explore external conditions that facilitate spillover events, key risk factors in wildlife markets and supply chains, and effective risk prevention and mitigation strategies. The module also covers stakeholder mapping and the development of indicators to monitor compliance and the effectiveness of intervention measures.

**Duration:** 4 hours

**Enrollment method:** self-enrolment

**Level:** Day 2



### Wildlife health along the wildlife trade value chain - Expert

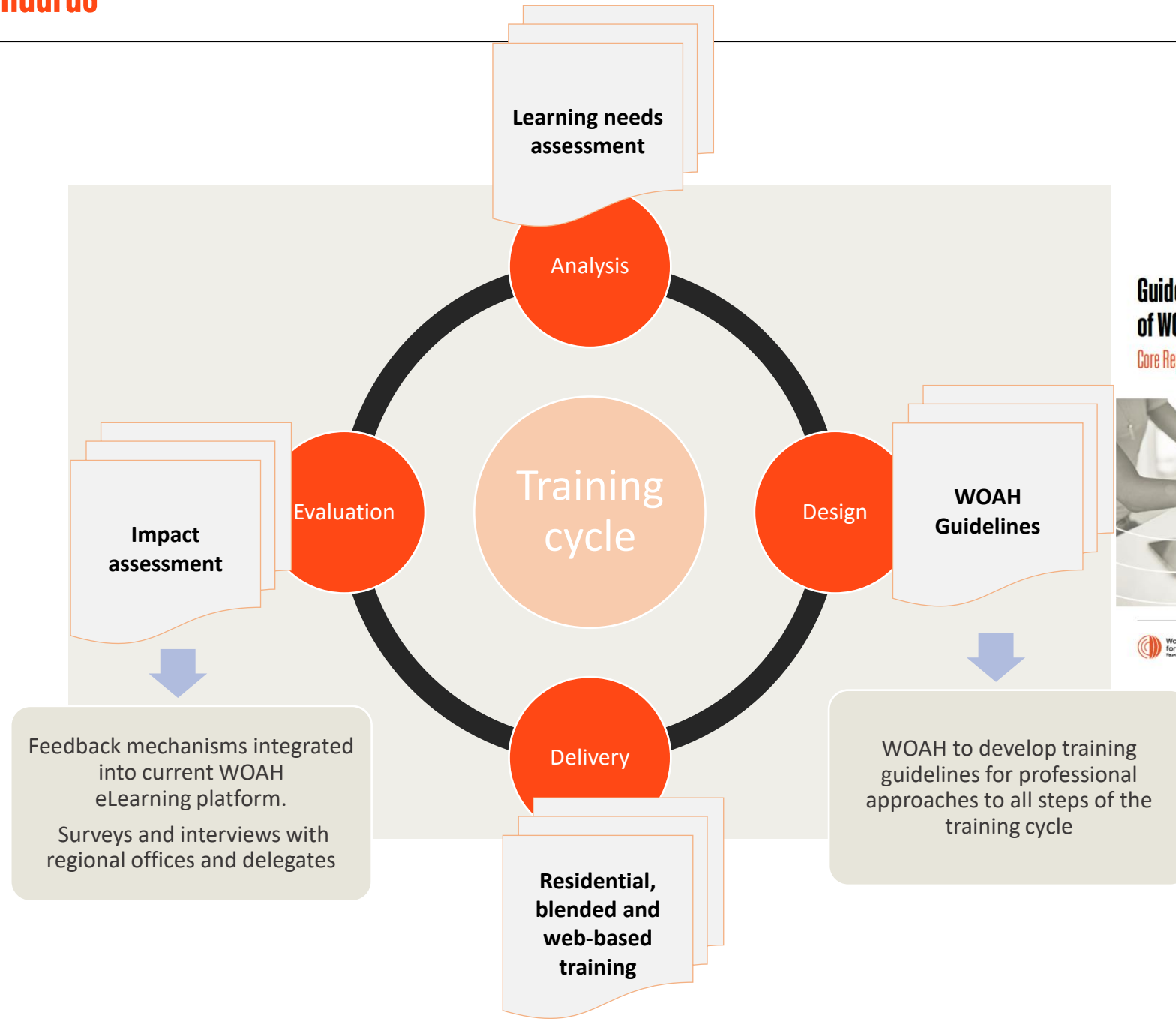
This module focuses on risk mitigation along the wildlife trade value chain, supporting the implementation of WOAH guidelines for terrestrial, aquatic, and captive wild animals (excluding feral animals). Learners will explore risk assessment at the human-animal-ecosystem interface, the development of mitigation strategies, and the application of WOAH Standards to enhance safe wildlife trade. The module also emphasizes collaboration among relevant authorities and the monitoring of risk prevention measures for effective implementation.

**Duration:** 6 hours

**Enrollment method:** self-enrolment

**Level:** Expert





**Guidelines for the development of WOA online modules**

Core Requirements

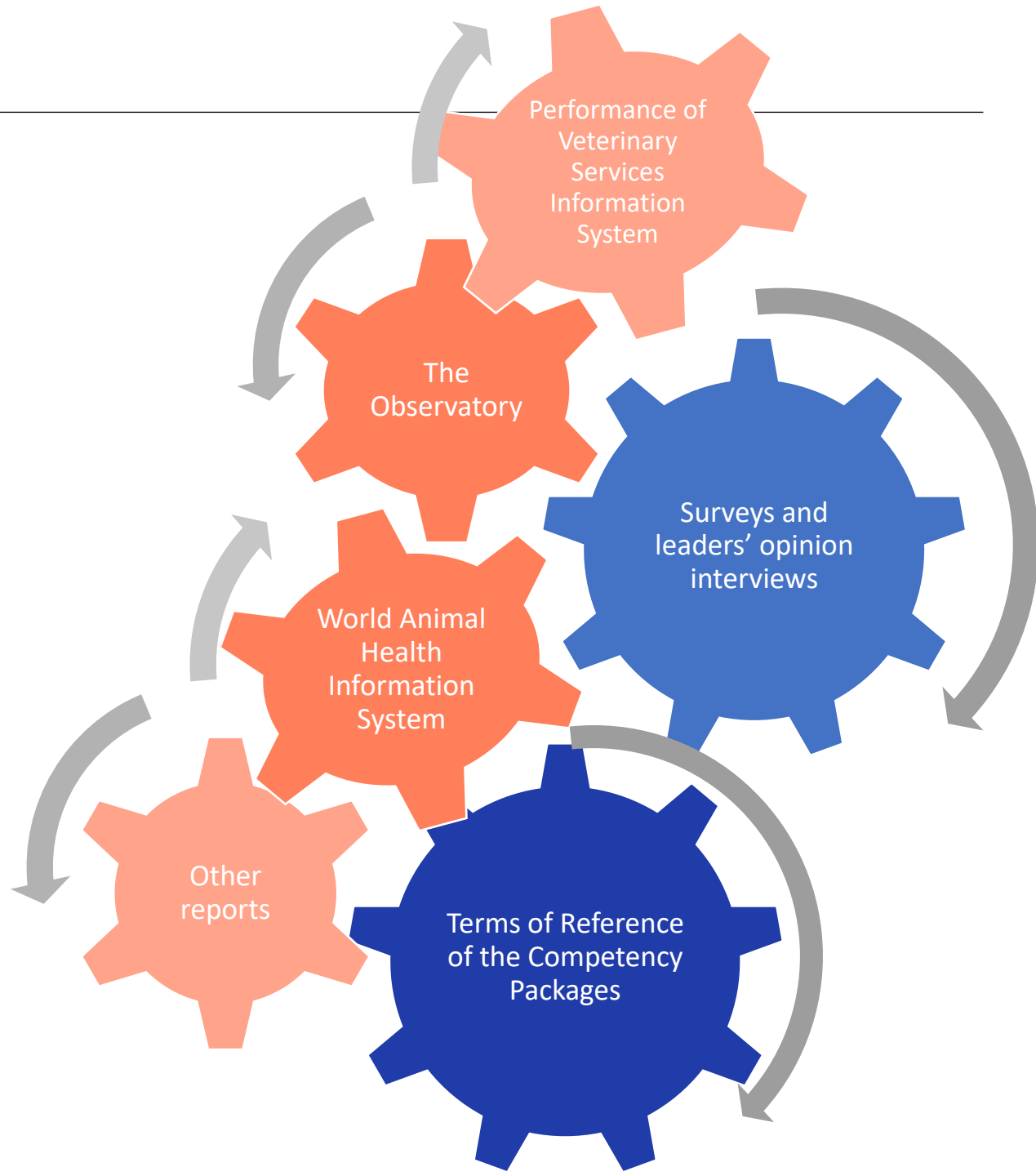
**Guidelines for the development of WOA online modules**

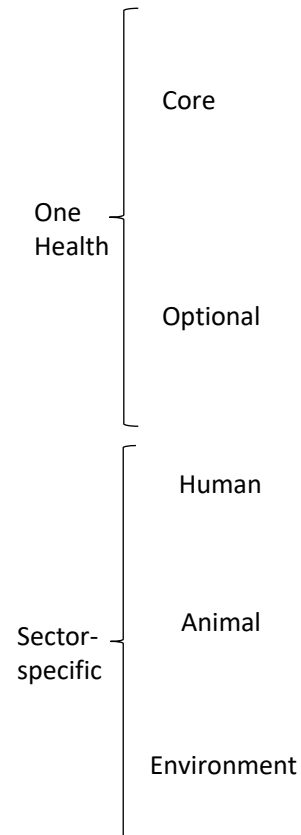
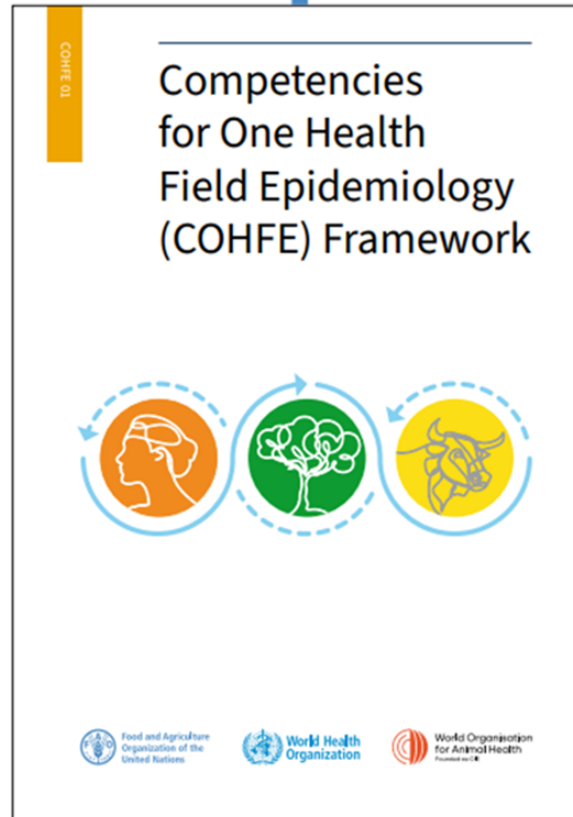
Advanced Practices





*“A systematic process to identify gaps between current and desired competencies of Veterinary Services, using both passive and active data sources, combining data and stakeholder insights to define priority learning needs.”*





	Frontline	Intermediate	Advanced
One Health (Core)	<ol style="list-style-type: none"> <li>1. Enter and validate data (S)</li> <li>2. Conduct descriptive analyses of collected data (S)</li> </ol>	= Frontline + <ol style="list-style-type: none"> <li>1. Use statistical/spatial analyses and interpret results (univariate) (C)</li> <li>2. Generate hypotheses about cause/risk factors (C)</li> <li>3. Apply analytical epidemiological investigation to identify the source, cause and/or risk factor/determinants (C)</li> </ol>	= Intermediate + <ol style="list-style-type: none"> <li>1. Analyse and interpret human, animal and environmental data to determine the potential origin and spread of an outbreak (C)</li> </ol>
One Health (Optional)	<ol style="list-style-type: none"> <li>1. Interpret diagnostic test results of samples submitted to the laboratory (S)</li> <li>2. Relate lab results to case categories (S)</li> </ol>	= Frontline <div>KSC Statements</div>	= Intermediate + <ol style="list-style-type: none"> <li>1. Manage complex datasets and conduct multivariate analysis (C)</li> <li>2. Use advanced statistical/geographical analyses/modelling and forecasting and interpret results (C)</li> </ol>
Human			<ol style="list-style-type: none"> <li>1. Conduct data analysis with regard to vulnerable groups (S)</li> </ol>
Animal	<ol style="list-style-type: none"> <li>1. Collect value chain data and draw simplified value chain map to identify potential spread routes and characterize risk (S)</li> <li>2. Explain the use of value chain mapping in an outbreak investigation (K)</li> </ol>	= Frontline + <ol style="list-style-type: none"> <li>1. Draw and interpret a value chain map to identify potential spread routes and high-risk points of an animal disease outbreak (S)</li> </ol>	= Intermediate + <ol style="list-style-type: none"> <li>1. Design value chain investigation and advanced analysis of data to characterize risk (S)</li> </ol>
Environment			

## JOHLT intends to:

- Enhance multistakeholder engagement
  - Improve harmonisation
  - Increase synergy and impact
  - Fosters collaboration on workforce development and learning,
  - develop joint training strategies, programs and activities, pooling together technical, pedagogical, technological, intellectual, and financial resources.
  - promote the combined use, at regional and country level, of successful programmes and tools, avoiding duplications and repetitions
- Use available resources on existing online training platforms
  - undertake resource mobilisation and design projects for multi-partnership grants/programmes, etc.





# Thank you

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