



# Regional Workshop on Advancing WOAHA's AMR Standards in Veterinary Practice

8 – 10 April 2026

Nairobi, Kenya

## Draft agenda

---

### Introduction

*Antimicrobial resistance* (AMR) is a major global threat to health, food security, livestock production, and economic development. The **World Organisation for Animal Health** (WOAH) supports countries in addressing AMR through standards, governance, capacity building, and advocacy. Despite progress in AMR National Action Plans and surveillance, implementation at national and frontline levels remains weak.

A key gap lies in translating international standards into effective policies, education, and veterinary practice.

Frontline veterinarians play a critical role in containing AMR and preserving antimicrobial effectiveness. Education and continuing professional development are essential to equip veterinarians with AMR and *antimicrobial stewardship* (AMS) competencies. Many veterinary education systems struggle to adequately integrate AMR into curricula and training. Inconsistent regulatory oversight further limits Members' ability to build a competent veterinary workforce. These gaps hinder effective implementation of WOAHA standards and broader animal and public health objectives.

Coordinated action is required among **Veterinary Education Establishments** (VEEs), **Veterinary Statutory Bodies** (VSBs), and national stakeholders. Strengthening VEE capacity to integrate AMR and AMS into curricula and lifelong learning is critical. Access to WOAHA standards and guidance can improve the quality and consistency of AMR training. VSBs are pivotal in reinforcing AMR competencies through regulation,

licensing, and professional development. Stronger VSB engagement can significantly enhance national antimicrobial stewardship practices.

The workshop aims to build sustainable AMR mitigation in Africa through education, regulation, and sector-wide collaboration.

### Expected learning outcomes

1. Recognise WOAHA AMR and AMS standards, guidelines, and tools, and their relevance to veterinary education, regulatory frameworks, and professional practice across the region.
2. Introduce and demonstrate structured analytical tools and approaches for reviewing veterinary curricula, faculty capacity, and regulatory systems for alignment with WOAHA AMR/AMS standards.
3. Identify common strengths, priority gaps, and implementation challenges related to AMR governance and AMS in veterinary practice, including diagnostics, prescribing behaviours, and regulatory oversight.
4. Identify feasible, context-appropriate improvement options to strengthen AMR and AMS teaching and learning approaches, continuing education, and stewardship practices in veterinary education and professional settings, informed by WOAHA guidance and regional experiences.
5. Outline priority follow-up actions at institutional or national level, including indicative timelines and key stakeholders, to support continued progress in AMR/AMS education and continuing education, and cross-sectoral collaboration.

## eLearning Phase

---

Registered participants will be enrolled into the [WOAHA eLearning platform](#) and will receive invitation to complete the following eLearning modules prior to the workshop (see table below). As part of this process, participants are also encouraged to complete the initial learner self-assessment associated with the AMR modules, as a reflective exercise to familiarise themselves with key concepts and terminology. The self-assessment is intended solely to support individual learning and reflection and will not be used for evaluation, comparison, or reporting purposes.

The completion of the e-Modules and associated online learning activities and assessments is highly recommended to ensure a harmonised baseline of knowledge among participants and to enable the workshop to focus on applied discussions, technical analysis, experience-sharing, and strategic reflection rather than introductory concepts.

To support engagement with the online component, online English and French speaking tutors will be identified to facilitate learning, respond to technical or content-related questions, and encourage timely completion of the modules.

TITLE	RECOMMENDED TO	COMPETENCY
AMR through the WOAHLens: introduction	Recommended for participants with low level of expertise in AMR	Describe the impact of antimicrobial resistance (AMR) mechanisms, risks, and mitigation strategies in veterinary practice.
Stewardship on AMR under a One Health approach	Recommended to participants with low level of expertise in One Health and antimicrobial stewardship	Explain the principles of antimicrobial stewardship and advocate for responsible antimicrobial use across human, animal, and environmental health sectors.
Stewardship on AMR in terrestrial animals	<b>Highly recommended</b> for participants with expertise in AMR in terrestrial animals	Apply prudent antimicrobial stewardship practices in terrestrial animal health, contributing to policy development, risk assessment, and national monitoring efforts.
Stewardship on AMR in aquatic animals	<b>Highly recommended</b> for participants with expertise in AMR in aquatic animals	Implement responsible antimicrobial management practices in aquatic animal health, supporting risk assessment, regulatory compliance, and national surveillance systems.
Building a <i>National Action Plan</i> (NAP) for AMR focused on terrestrial and aquatic animal health sectors	Recommended to participants with low level of experience in NAP development and implementation	Design and implement a comprehensive <i>National Action Plan</i> (NAP) to combat AMR in terrestrial and aquatic animal health, ensuring effective governance, monitoring, and evaluation.

eModules are available on the WOAHLearning Platform under the Competency Package 8: [Prudent use of antimicrobials and other veterinary products](#)



#### Acknowledgements



**Ministry of Agriculture and Livestock Development**



The Fleming Fund



**Funded by UK Government**

# Workshop agenda

DAY 1		Setting the Common Reference Frame
<b>Session 1: Opening and workshop framing</b>		
Learning outcomes: O1, O3		
Purpose: Establish a common understanding of the workshop scope, principles, and working approach		
Expected output: Shared understanding of workshop objectives and participant mapping by role and experience (informal)		
Time	Theme	Speaker/facilitator
08:00-08:30	Registration and networking	
08:30-09:00	<b>Workshop opening</b> Opening remarks: The Urgency of our Mission	Carole Goulet, Facilitator Neo Mapiitse, WOAH Sub-Regional Representative Allan Azegele, DVS, WOAH Delegate (Kenya), President of the <i>Codex Alimentarius</i>
09:00-09:30	Workshop Objectives: Self-introduction by participants	Jane Lwoyero, WOAH AMR Programme Officer (EA) Hana Abdelsattar, WOAH Capacity-Building Department
09:30-10:00	Adopting a One Health approach for AMR - why is it important?	Eric Fevre, ILRI and University of Liverpool
10:00-10:30	Health Break and Group photo	
<b>Session 2: WOAH Guidelines, standards and strategies on AMR and AMS</b>		
Objective addressed: O1.		
Purpose: Introduce WOAH Competency based training framework (CBTF), AMR/AMS standards, guidance, and strategic orientation within a One Health framework		
Expected output: Increased familiarity with relevant WOAH standards and guidance, clarified linkages between AMR standards, veterinary education, and practice		
Time	Theme	Speaker/facilitator
10:30-11:00	Global Action Plan on antimicrobial resistance and WOAH strategy on AMR and prudent use of antimicrobials: key areas of interventions for animal health.	Morgan Jeannin, WOAH Veterinary Products and Drug Resistance Department
11:00-11:30	WOAH competency framework for AMR: aligning education and continuing education	Hana Abdelsattar, Miftahul Barbaruah, WOAH Capacity-Building Department
11:30-12:00	Antimicrobial stewardship (AMS) in veterinary practice: a WOAH perspective. <ul style="list-style-type: none"> <li>Stewardship as a professional and ethical responsibility</li> <li>Integration of stewardship into clinical decision-making and herd/flock health management</li> <li>Relationship between disease prevention, biosecurity, vaccination, and reduced antimicrobial use</li> </ul>	Dechassa Tegegne, WOAH AMR Programme Officer (SA)

12:30-13:00	Plenary Discussions, Q &A	All
13:00-14:00	Lunch break	
<b>Session 3: Veterinary education, regulation, and stewardship – perspectives</b>		
Objectives addressed: O1, O3		
Purpose: Situate veterinary education and regulation within the broader AMR and stewardship ecosystem		
Expected output: Shared understanding of typical learning and governance pathways for AMR/AMS competencies. Documented examples of how competencies are acquired across contexts		
Time	Theme	Speaker/facilitator
14:00-14:45	Groupwork: learning needs of veterinarians in AMR	Hana Abdelsattar, WOAHA Capacity-Building Department
14:45-15:15	Plenary presentation from the groups	Group leaders
15:15-15:30	Health Break	
15:30-16:30	<b>Group work:</b> How adequately are veterinary students prepared to combat AMR? Veterinary curriculum analysis and faculty capacity assessment using a competency based lens	Armando Hoet, Ohio State University
16:30-17:00	Plenary presentation from Group work on veterinary curriculum analysis and faculty capacity assessment	Group Leaders
19:00	WOAH welcome reception	All workshop participants



DAY 2	Tools, Experiences, and Structured Reflection	
<b>Session 4: Tools for reflection on curricula, capacity, regulation and experience-sharing on AMR governance and stewardship</b>		
Objective addressed: O2		
Purpose: Introduce and demonstrate WOAHA-aligned tools for voluntary reflection and analysis		
Expected output: Assess the relevance and potential use of selected WOAHA-aligned AMR/AMS tools within national or institutional contexts.		
Time	Theme	Speaker/facilitator
08:30-09:00	Definition of the Framework for competencies relevant to AMR and AMS, linking Day 1 competencies, ethics, and stewardship to reflection tools <ul style="list-style-type: none"> <li>Relationship between Day 1 competencies, professional ethics, and stewardship responsibilities</li> <li>How competency frameworks and relevant tools can be used as a reference for reflection in education and practice</li> </ul>	Miftahul Barbaruah, Hana Abdelsattar, WOAHA Capacity-Building Department

09:00-09:30	WHO AMR Curriculum Assessment Tool for medical education.	Walter Fuller, WHO AFRO
09:30-10:00	The engagement of the Africa FAO Virtual Learning Centre in promoting a culture of responsible antimicrobial use and long-term AMR mitigation efforts across the region	Gerald Mucheru, FAO ECTAD (EA)
10:00-10:30	Health Break	All
10:30-11:00	The engagement of the Africa CDC in building capacities for responsible antimicrobial use and long-term AMR mitigation efforts across the region	Yewande Alimi , Africa-CDC
11:00-11:30	Understanding the interface between education, regulation, and professional practice: Implications for AMR governance	Miftahul Barbaruah, WOAHO Capacity-Building Department
11:30-12:00	Experience-sharing on AMR governance and stewardship	Romona Ndanyi, DVS, AMR-MPTF beneficiary country : Kenya
12:00-12:30	VEE Twinning Programme and Benchmarking	Ibrahim Zubairu Hassan, Senior Lecturer, Faculty of Veterinary Sciences, University of Pretoria
12:30-13:00	Plenary discussions, Q & A	All
13:00-14:00	Lunch break	All
<b>Session 5: Mapping curriculum gaps to strengthen AMR competencies in veterinary education</b>		
Objectives addressed: O3, O4		
Purpose: Analyse veterinary curricula, identify gaps in generating AMR-specific competencies, and synthesise findings into thematic areas to guide practical improvement strategies in education, training, and professional development.		
Expected outputs: Consolidated list of shared challenges, enabling factors, and areas of interest, agreed thematic clusters for further reflection.		
<b>Time</b>	<b>Theme</b>	<b>Speaker/facilitator</b>
14:00- 15:00	<b>Group work:</b> Understanding gaps in veterinary curriculum frameworks to generate AMR prevention and response competencies,	Armando Hoet, Ohio State University
15:00-15:30	Plenary Presentation from group work	Group leaders
15:30-16:00	Plenary discussion, Q& A	All
16:00-16:30	Health Break	
16:30-17:00	Promote behaviour changes for a more responsible use of antimicrobial through risk communication	Jane Lwoyero, WOAHO AMR Programme Officer (EA)
17:00-17:30	Plenary Discussion, Q&A	All



DAY 3		From Reflection to Forward-looking Considerations	
<b>Session 6: Strengthening AMR/AMS teaching, training and learning approaches</b>			
Objectives addressed: O1, O4			
Purpose: Share examples of effective and innovative teaching and learning approaches			
Expected outputs: Increased awareness of adaptable teaching and learning methods, and participant reflections on relevance to their own contexts.			
Time	Theme	Speaker/facilitator	
08:30-09:00	Principles of Antimicrobial Stewardship: implementing AMS plan in clinical settings	Olatunji Nasir, Medicines Stewardship Working Group, President – Elect, World Veterinary Association	
09:00-10:00	Are veterinary faculties ready to respond to AMR/AMS educational needs?	Armando Hoet, Ohio State University	
10:00-10:30	Health Break		
10:30-11:30	Continuing education of veterinary practitioners: strengthen learning on Essential Veterinary Medicines List and use of critically important antimicrobials in animal health	Olatunji Nasir, Medicines Stewardship Working Group, President – Elect, World Veterinary Association	
11:30-13:00	Synthesis of Day-1 and Day-2 learning	Carole Goulet, Facilitator	
13:00-14:00	Lunch break		
<b>Session 7: Co-design of sustainable improvement options and follow-up</b>			
Objectives addressed: O4, O5			
Purpose: Encourage collective reflection on practical, context-sensitive improvement options and to support voluntary identification of next-step considerations beyond the workshop			
Time	Theme	Speaker/facilitator	
14:00-16:00	<b>Group work:</b> Roadmap for Institutional Commitment to integrate AMR-specific and AMR-sensitive content to veterinary curricula	Carole Goulet, Facilitator	
16:00-16:30	Health Break		
16:30-16:15	Workshop Evaluation	All	
16:15-16:30	<b>Workshop Closing</b> Remarks from WOAHA Representative  Official closing by WOAHA Delegate	Carole Goulet, Facilitator Neo Mapiitse, WOAHA Sub-Regional Representative Allan Azegele, DVS, WOAHA Delegate (Kenya), President of the <i>Codex Alimentarius</i>	