



WORLD ORGANISATION FOR ANIMAL HEALTH

Protecting animals, preserving our future

OIE activities on AMR and AMU

NVAL-OIE joint seminar on Antimicrobial Resistance
Tokyo, Japan, 15 October 2018

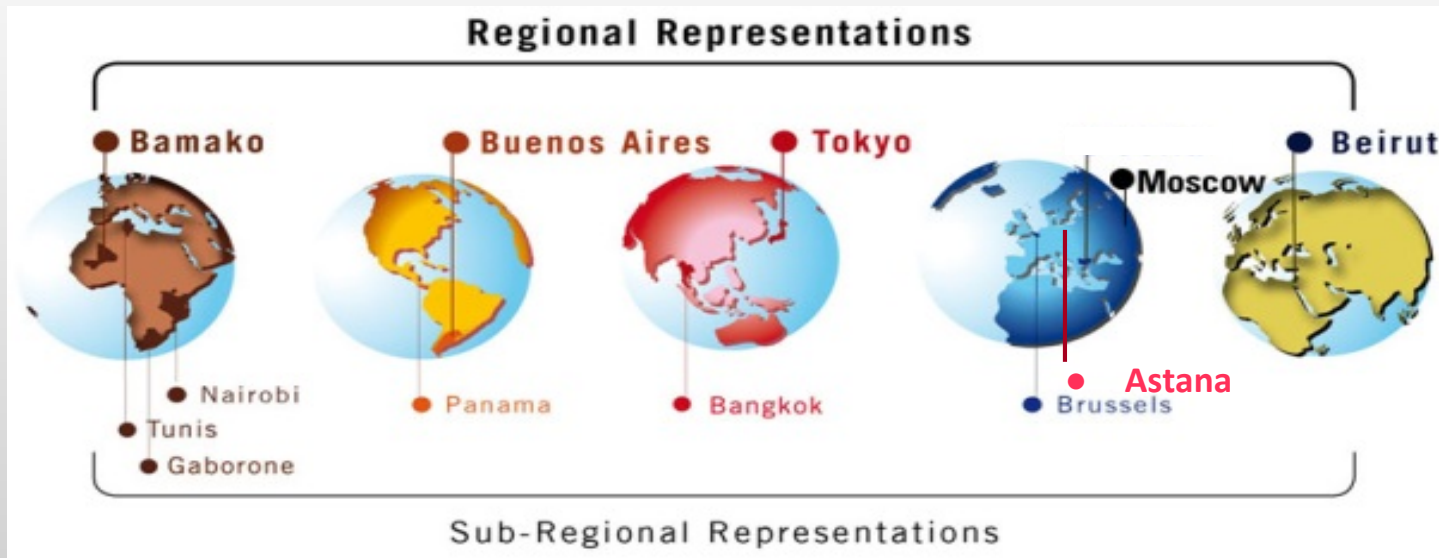
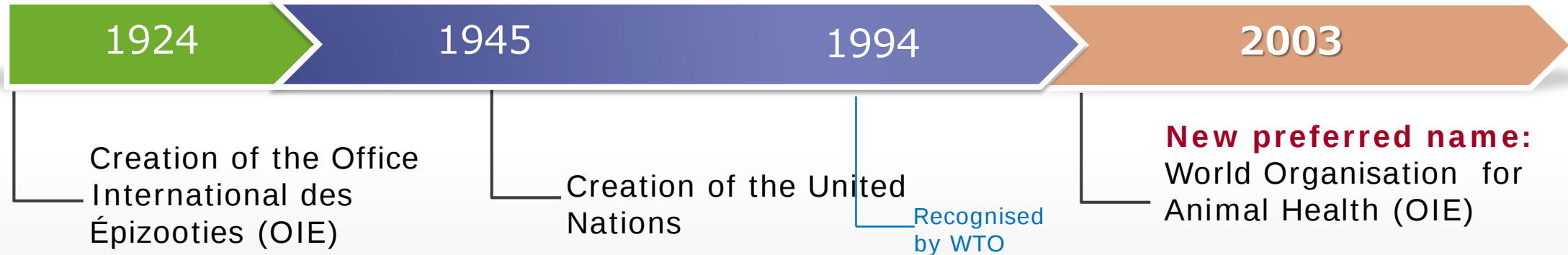


Outline

- OIE in brief
- OIE Strategic Plan and activities on AMR and AMU

World Organisation for Animal Health (OIE)

A scientific and technical
intergovernmental organisation



182 Member Countries

Headquarters
(Paris, France)

5 Regional
Representations

7 Sub-Regional
Representations &
Offices

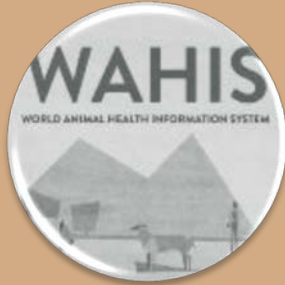
The four pillars of the OIE

Improving animal health and welfare worldwide



STANDARDS

for international
trade of animals
and animal
products



TRANSPARENCY

of the world
animal disease
situation



EXPERTISE

Collection and
dissemination of
veterinary
scientific
information



SOLIDARITY

between
countries to
strengthen
capacities
worldwide



*under the mandate
given by the WTO*

including zoonoses

*animal disease prevention
and control methods*

*Capacity building tools
and programmes*

FAO-OIE-WHO Tripartite Alliance at Global level

- Three organizations have worked together for many years to prevent, detect, control and eliminate health threats
- Memorandum of Understanding signed to strengthen long-standing partnership in May 2018
- A formal alliance facilitates putting the “One Health” vision into practice
- Antimicrobial resistance (AMR) is one of the key priorities





WORLD ORGANISATION FOR ANIMAL HEALTH

Protecting animals, preserving our future

OIE's Activities on AMR in the Asia Pacific Region



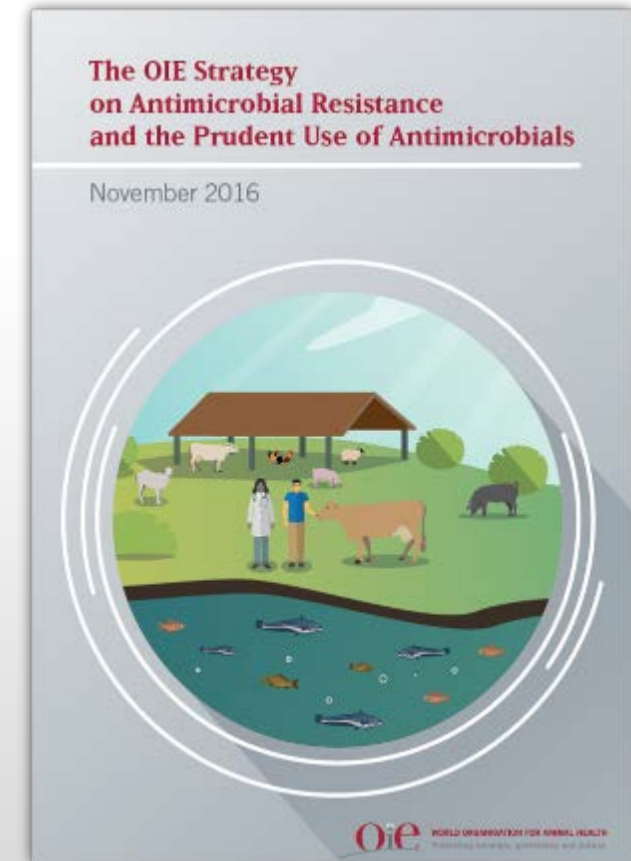
The OIE Strategy on AMR and the Prudent Use of Antimicrobials

Context

- **OIE Strategy** launched in November 2016
- Aligned with WHO Global Action Plan on AMR and the Tripartite Partnership
- OIE World Assembly Resolutions on AMR in 2015 and 2016

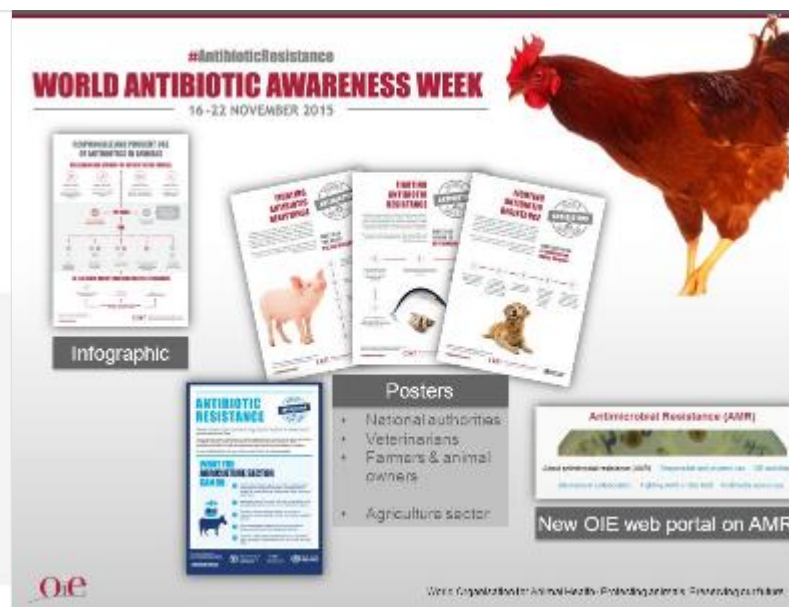
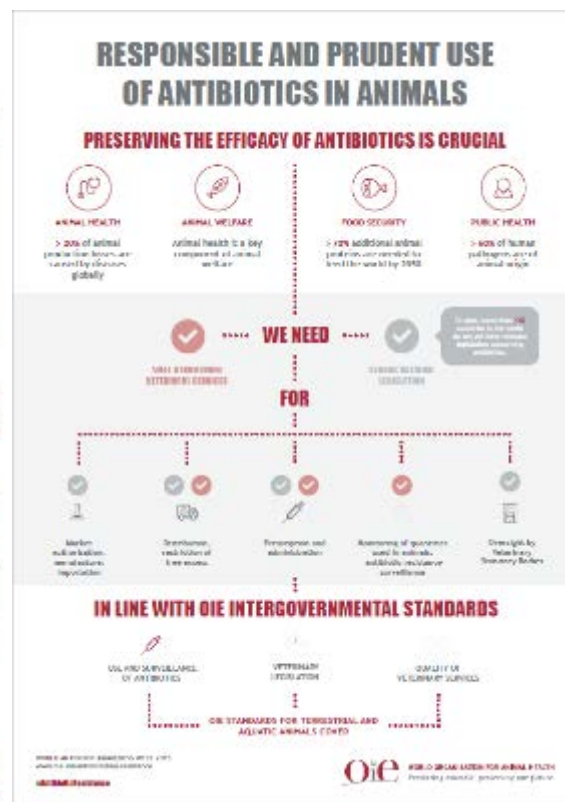
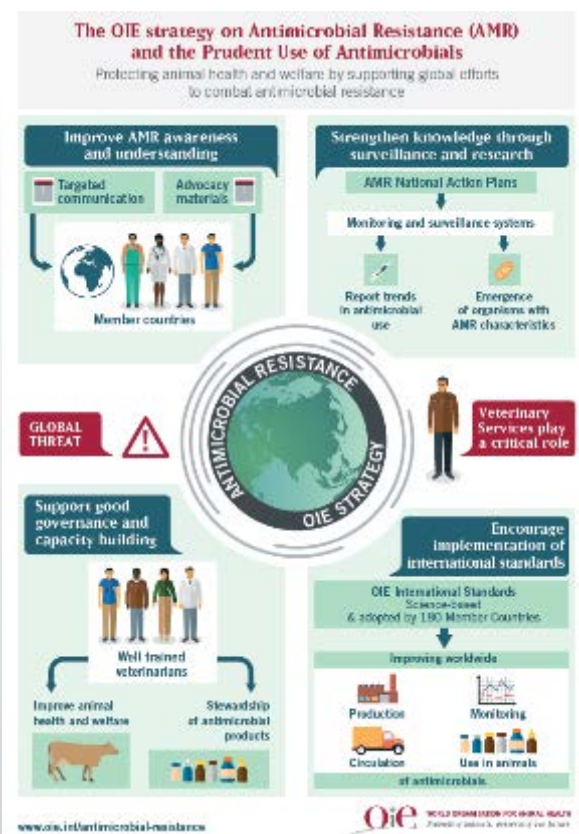
Objectives

- 1 Improve awareness and understanding
- 2 Strengthen knowledge through surveillance and research
- 3 Support good governance and capacity building
- 4 Encourage implementation of international standards



1 Improve awareness and understanding

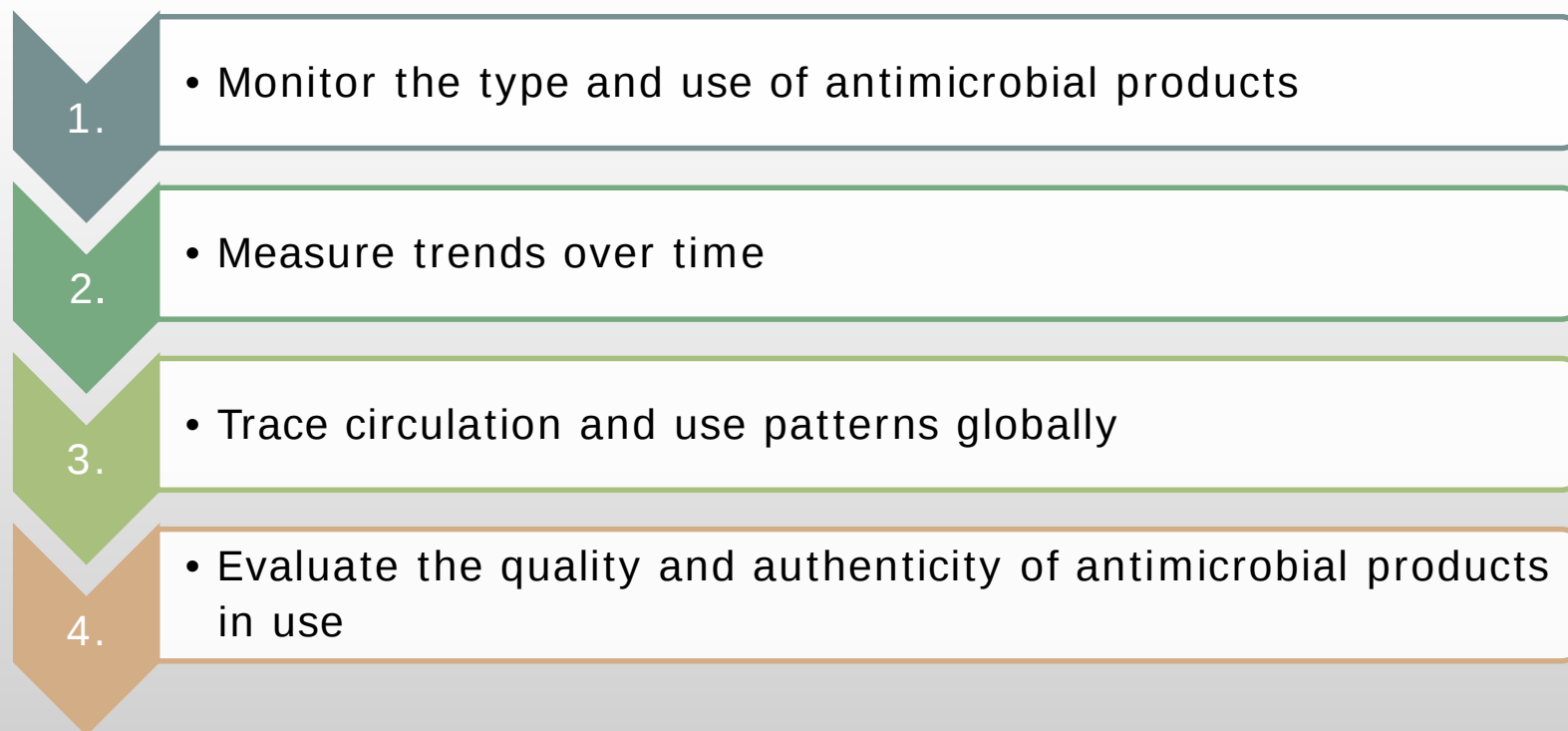
- Support development of **targeted communications and advocacy materials**
- Promote **professional culture** amongst practitioners for responsible and ethical use of antimicrobials in animals



2 Strengthen knowledge through surveillance & research

- Support in **developing and implementing monitoring and surveillance systems**
- Build and maintain a **database for collecting data on the use of antimicrobial agents in food-producing and companion animals**

Global database on antimicrobial agents intended for use in animals (OIE Mandated to gather data on Antimicrobials in animals by Resolution no 26 of the 83rd OIE General Session, May 2015)



Global database on antimicrobial agents intended for use in animals

Data collection on antimicrobial use in animals

Phase 1:

- Oct 2015 – Mar 2016
- 1st Report - published in Dec 2016
- Data ranging from 2010 - 2015



- Global overview of use of Antimicrobials in animals
- Analysis by 5 OIE Regions
- Second report analysis based on animal population (biomass) for 2014

Phase 2:

- Oct 2016 – May 2017
- 2nd Report - published in Dec 2017
- Data ranging from 2013 - 2016

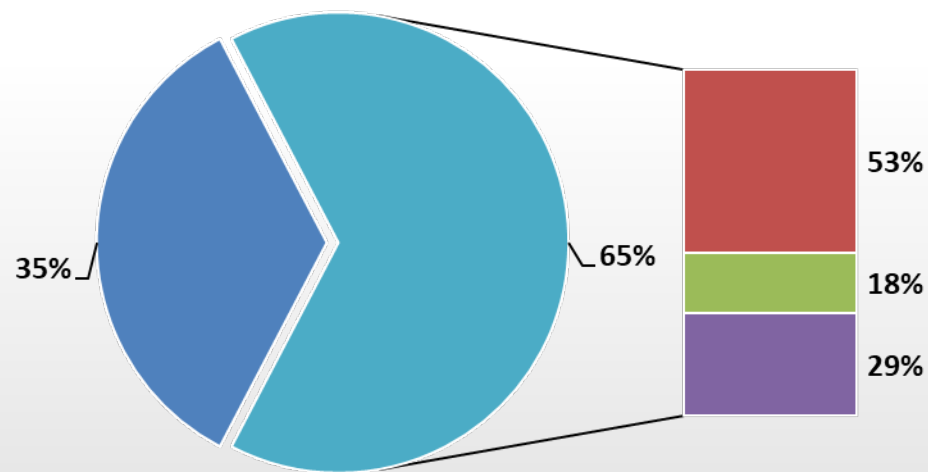


Phase 3:

- Oct 2017 – May 2018
- OIE is analyzing the submitted data.

Data types reported in the OIE data collection in the Asia and the Pacific

First phase of data collection:



Baseline Information

Reporting Option 2

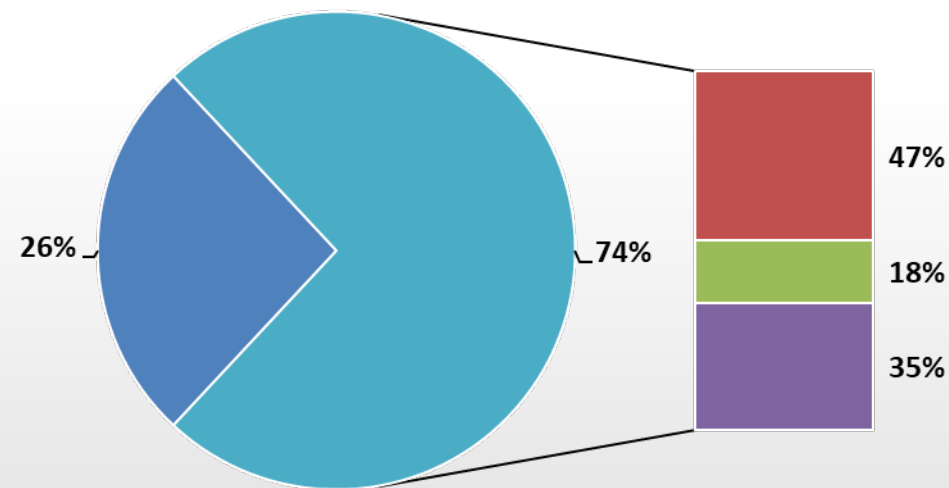
Reporting Option 1

Reporting Option 3

N = 26

N = 17

Second phase of data collection:



Baseline Information

Reporting Option 2

Reporting Option 1

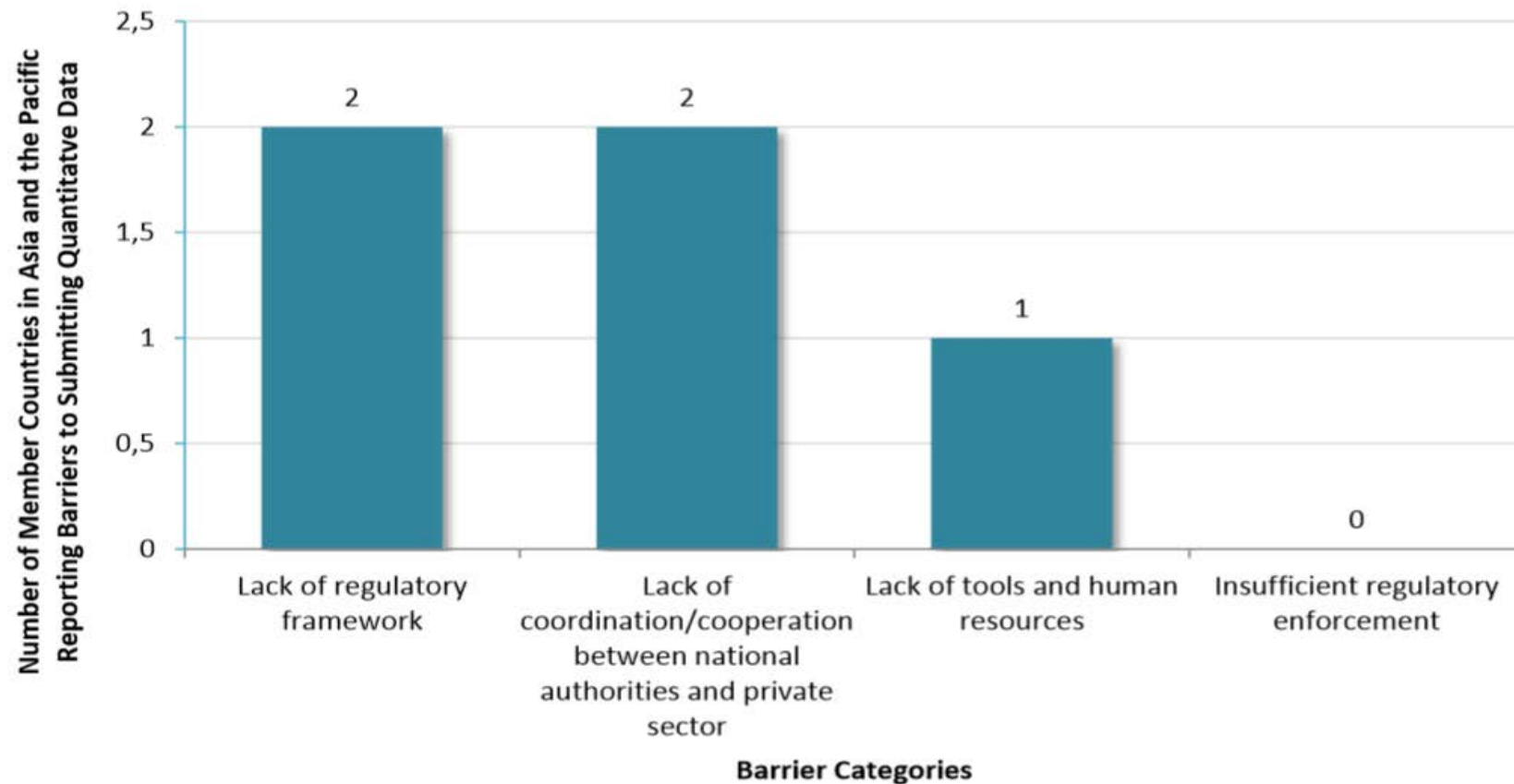
Reporting Option 3

N = 23

N = 17

Second phase of data collection: barriers for providing data on quantities of antimicrobial agents in animals in Asia and the Pacific

Figure A16. Country Barriers to Reporting Quantitative Data on Antimicrobial Agents Intended for Use in Animals in 5 Member Countries in Asia and the Pacific During the Second Phase of Data Collection



OIE support countries to understand the supply chain of Antimicrobials and monitoring of the usage patterns of Antimicrobial agents

Workshop on Monitoring of the Quantities and Usage Patterns of Antimicrobial Agents Used in Animals

Philippines, 2-3 Aug

Lao PDR, 14-15 Aug



Cambodia, 29-30 Aug

Myanmar, 3-4 Sep,

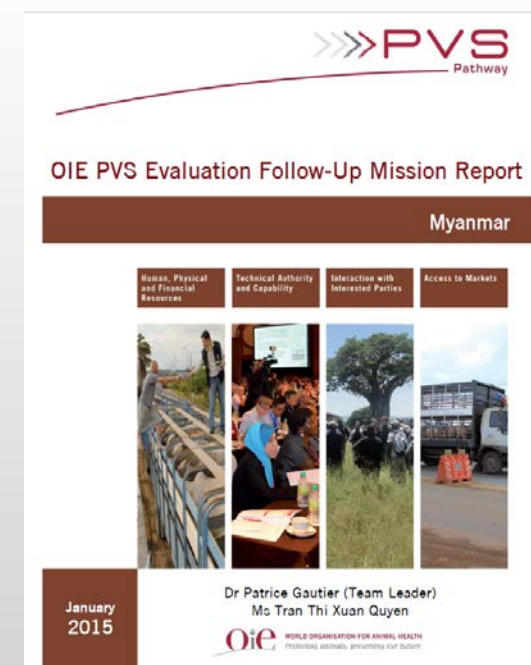
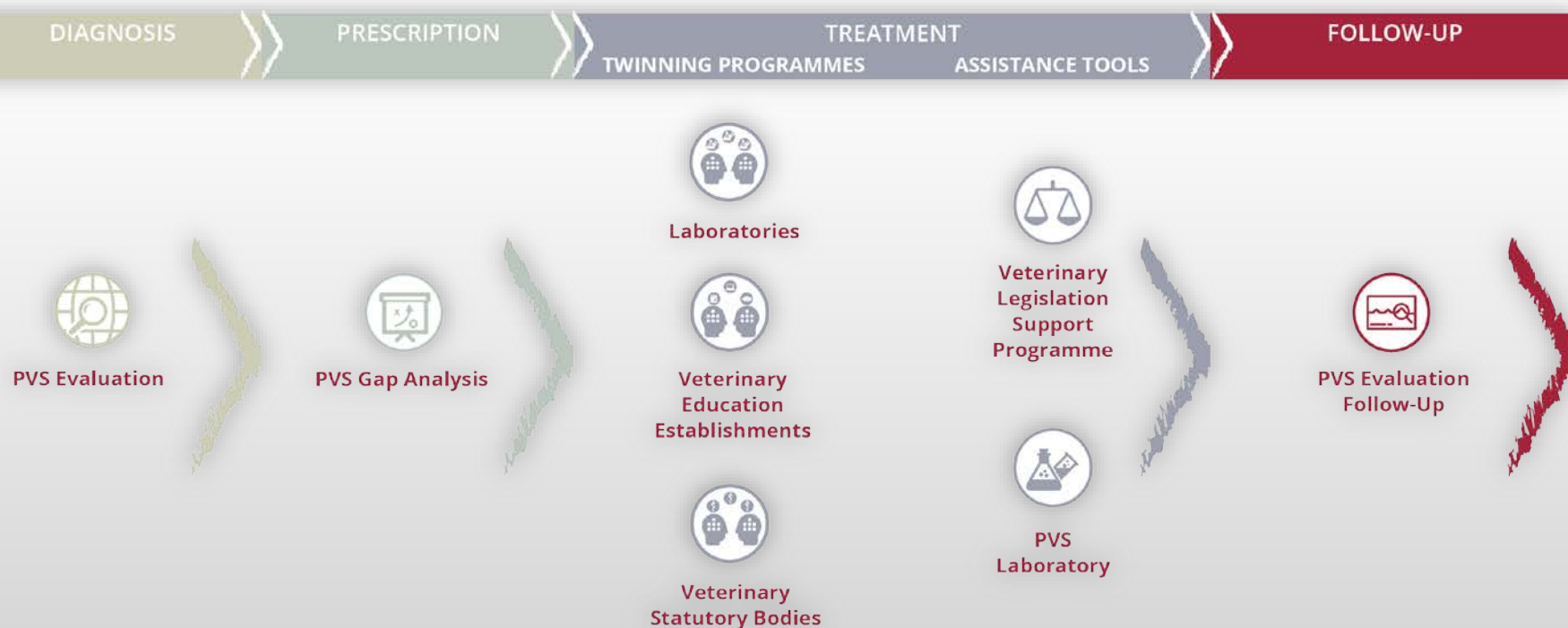


Similar workshops in the pipeline for Bangladesh and Viet Nam

3 Support good governance and capacity building

PVS Pathways

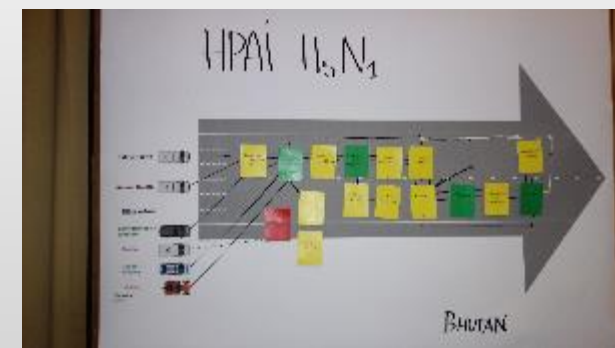
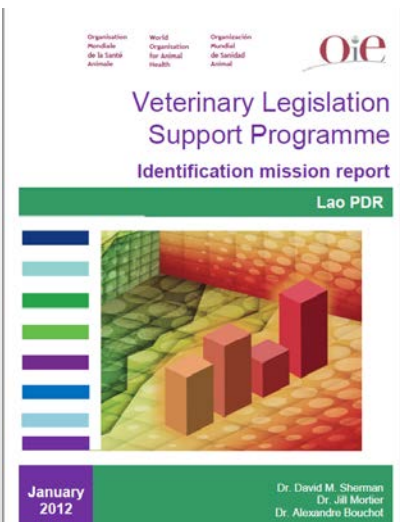
OIE is committed to supporting Veterinary Services to build their capacity
- Through *PVS* (Performance of Veterinary Services)
Pathway



3 Support good governance and capacity building

Support development and modernization of legislation related to regulation of Antimicrobials

Support and participate jointly with the tripartite (FAO-OIE-WHO) for the National Bridging Workshops on IHR-PVS



Veterinary Legislation support for Myanmar (2018) and Lao PDR (2012)

3 Support good governance and capacity building

Support laboratory training on AMR



Regional Short-term Training on AMR organised jointly by OIE and NVAL Japan, Tokyo on 16-24 October 2017

Build capacity of focal points on Veterinary Products



Regional Seminar for OIE National Focal Points for Veterinary Products (5th cycle, Bangkok 20-22 March 2018)

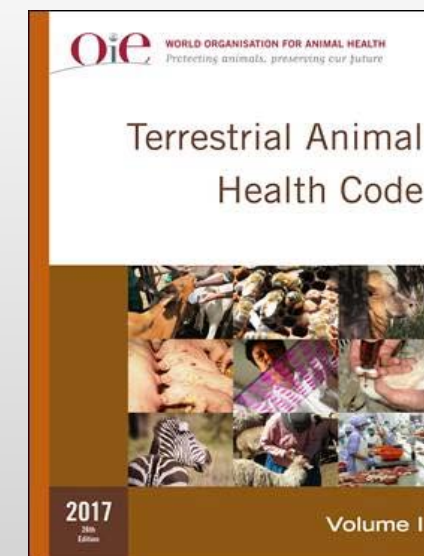
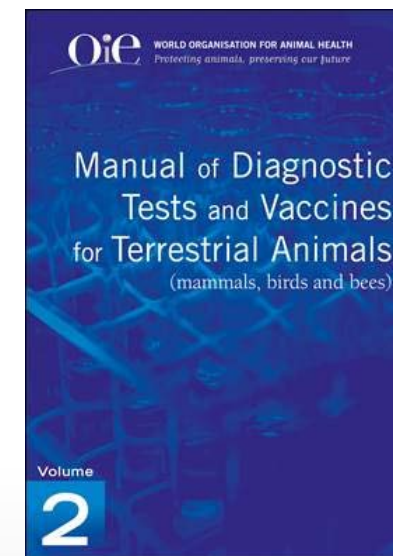
4 Encourage implementation of OIE standards

Manual of Diagnostic Tests and Vaccines for Terrestrial Animals

Chapter 3.1. [Laboratory methodologies for bacterial antimicrobial susceptibility testing](#)

Terrestrial Animal Health Code

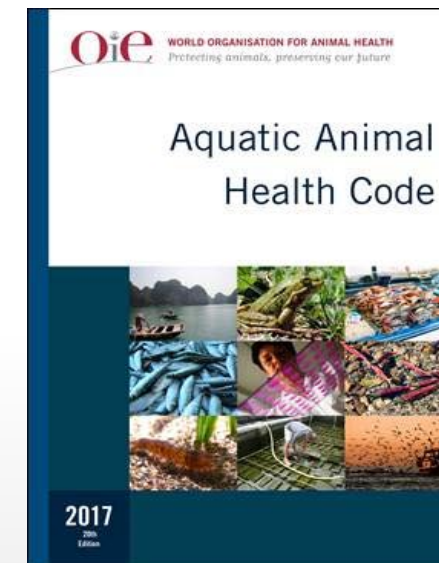
Chapter 6.7.	Introduction to the recommendations for controlling antimicrobial resistance
Chapter 6.8.	Harmonisation of national antimicrobial resistance surveillance and monitoring programmes
Chapter 6.9.	Monitoring of the quantities and usage patterns of antimicrobial agents used in food-producing animals
Chapter 6.10.	Responsible and prudent use of antimicrobial agents in veterinary medicine
Chapter 6.11.	Risk analysis for antimicrobial resistance arising from the use of antimicrobial agents in animals

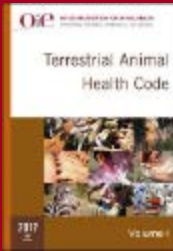


4 Encourage implementation of OIE standards

Aquatic Animal Health Code

Chapter 6.1.	Introduction to the recommendations for controlling antimicrobial resistance
Chapter 6.2.	Principles for responsible and prudent use of antimicrobial agents in aquatic animals
Chapter 6.3.	Monitoring of the quantities and usage patterns of antimicrobial agents used in aquatic animals
Chapter 6.4.	Development and harmonisation of national antimicrobial resistance surveillance and monitoring programmes for aquatic animals
Chapter 6.5.	Risk analysis for antimicrobial resistance arising from the use of antimicrobial agents in aquatic animals





Chapter 6.8. Harmonisation of national antimicrobial resistance **surveillance and monitoring** programmes

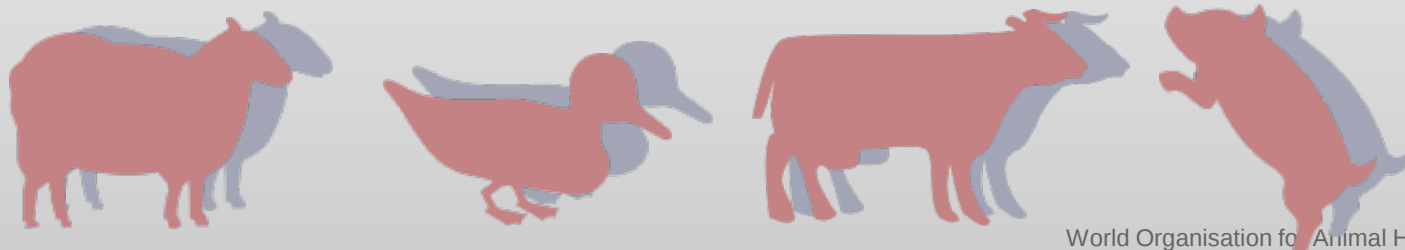


Chapter 3.1. Laboratory methodologies for bacterial antimicrobial susceptibility

Terrestrial Code Chapter 6.8

Provide international standards on:

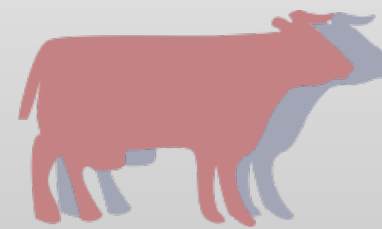
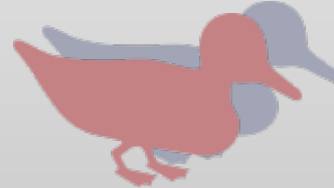
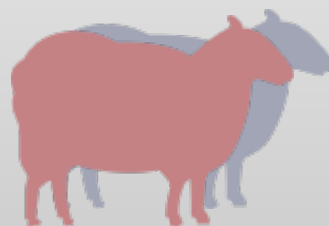
- **Sampling** (Sampling strategies, Sample size, Sample sources)
- **Bacteria subjected to surveillance and monitoring**
- Antimicrobial susceptibility testing
- Recording, storage and interpretation of data



Terrestrial Manual Chapter 3.1

Provide international standards on:

- Test requirements
- **Selection of antimicrobials for testing and reporting**
- Antimicrobial susceptibility testing methodologies
- Selection of antimicrobial susceptibility testing methodology
- **Antimicrobial susceptibility testing methods**
- Antimicrobial susceptibility breakpoints and zone of inhibition criteria
- Comparability of results
- QC & QA



4 Encourage implementation of OIE standards

OIE List of Antimicrobial Agents of Veterinary Importance

- Last update in May 2018
- To take into account concerns for human health
- WHO & FAO participated in this task

VCIA

Veterinary **Critically Important**
Antimicrobial Agents

- **Both** Criteria 1 & 2

VHIA

Veterinary **Highly Important** Antimicrobial
Agents

- Criteria 1 **or** 2

VIA

Veterinary **Important** Antimicrobial Agents

- **Neither** Criteria 1 or 2

Criterion 1: response rate to the questionnaire regarding VIA (more than 50%)

Criterion 2: treatment of serious animal disease and availability of alternative antimicrobial agents

Among the VCIA in the OIE List, some are **critically important** for human (Fluoroquinolones, third and fourth generation Cephalosporins), and **colistin**.

- **Not to be used** as preventive treatment in feed or water in the absence of clinical signs
- **Not to be used** as a first line treatment unless justified or based on bacteriological tests.
- **Extra-label/off label use** be limited and reserved only if no alternatives are available.

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[Animal health in the World](#)

[Standard Setting](#)



Marrakesh, Morocco
29-31 October 2018

**OIE GLOBAL CONFERENCE
ON ANTIMICROBIAL RESISTANCE**
Putting Standards
into Practice

#ConfAMR2018
www.oie.int/amr2018/en

Coming soon the 2nd OIE Global Conference on AMR

1 2 3 4 5 6 7 **8** 9 10

[More news](#)

THEMES

ONE
HEALTH

STRENGTHENING
VETERINARY SERVICES

ANIMAL
DISEASES

ANTIMICROBIAL
RESISTANCE

BIOLOGICAL
RISKS

STANDARDS AND
INTERNATIONAL
TRADE



LATEST DISEASE ALERTS

15.06.18: Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds), United Kingdom

[Registration](#)



WAHIS PORTAL
Animal Health Data



KEY DATES

18-20 JANUARY 2018

10th Global Forum for Food and Agriculture (GFFA)

20-25 MAY 2018

86th General Session of the World Assembly of OIE Delegates

29-31 OCTOBER 2018

2nd OIE Global Conference on Antimicrobial Resistance and the Prudent use of Antimicrobials in Animals



PUBLICATIONS

ONLINE BOOKSHOP



www.oie.int/antimicrobial-resistance



WORLD ORGANISATION FOR ANIMAL HEALTH
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