OIE Strategy on Antimicrobial Resistance and the need for new diagnostic tools
History

1924
Creation: Office International des Epizooties (OIE)

1945
Creation of the United Nations

2003
New Name: World Organisation for Animal Health (OIE)
Who we are today...

Protecting animals, Preserving our future

Dr Monique Eloit
Director General
2016 - 2020
Operate under the direct authority of the Director General
Who we are today...

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
OIE standards and guidelines

Preserving the efficacy of antimicrobials

OIE intergovernmental standards

- Controlling antimicrobial resistance
- Veterinary legislation
- Quality of Veterinary Services
- OIE List of antimicrobial agents of veterinary importance

Market authorisation, manufacture, importation
Distribution, restriction of free access
Prescription and administration
Monitoring of quantities used in animals, antibiotic resistance surveillance
Oversight by Veterinary Statutory Bodies

Aquatic Animal Health Code
Terrestrial Animal Health Code
Manual of Diagnostic Tests and Vaccines for Terrestrial Animals
OIE List of antimicrobial agents of veterinary importance
OIE International Standards on AMR

Aquatic Animal Health Code

- Ch.6.2. Principles for responsible and prudent use of antimicrobial agents in aquatic animals
- Ch.6.3. Monitoring of the quantities and usage patterns of antimicrobial agents used in aquatic animals
- Ch.6.4. Development and harmonisation of national AMR surveillance and monitoring programmes for aquatic animals
- Ch.6.5. Risk analysis for AMR arising from the use of antimicrobial agents in aquatic animals
OIE International Standards on AMR

*Terrestrial Animal Health Code*

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

OIE global database

1. A system to which all can contribute
2. That safeguards information
3. That is pragmatic regarding the data collected
4. That will help to get comparable data and to measure trends
Chapter 6.9. Responsible and prudent use of antimicrobial agents in veterinary medicine

- Determined by the quality of the antimicrobial and by the distribution, prescription and administration of veterinary medicinal products containing antimicrobial agents

- Recommendations for each of the parties involved:
  - regulatory authority
  - veterinary pharmaceutical industry
  - wholesale and retail distributors
  - veterinarians
  - food-animal producers
  - animal feed manufacturers
Chapter 6.9. Responsible and prudent use of antimicrobial agents in veterinary medicine

Veterinarians

- carry out a proper clinical examination of the animal(s):
  - administer or prescribe antimicrobial agents only when necessary and taking into consideration the OIE list of antimicrobial agents of veterinary importance;
  - make an appropriate choice of antimicrobial agents based on clinical experience and diagnostic laboratory information (pathogen isolation, identification and antibiogram) where possible
  - …should a first-line antimicrobial treatment fail or should the disease recur, a second line treatment should be based on the results of diagnostic tests....
OIE Standards and Guidelines

- OIE List of Antimicrobial Agents of Veterinary Importance:
  (last update in 2015)
  to take into account concerns for human health
  (WHO and FAO participated in this task)

- Recommendation
  Any use of antimicrobial agents in animals should be in accordance with OIE standards on responsible and prudent use

OIE List of Antimicrobial Agents of Veterinary Importance

For a number of Antimicrobial Agents there are no or few alternatives for the treatment of diseases in target species.

Among the Veterinary Critically Important Antimicrobial Agents, some are also of critical importance for human health (third and fourth generation Cephalosporins, and Fluoroquinolones):

- Not to be used as preventive treatment in feed or water or in the absence of clinical signs
- Not to be used as first line, unless justified and confirmed by a bacteriological test
- Extra label/off label limited and reserved for instances no alternatives are available.
OIE International Standards on AMR

Manual of Diagnostic Tests and Vaccines

- Part 1: General Standards
- Part 2: OIE Listed Diseases and Other Diseases of Importance
- Part 3: Specific Recommendations
  - Chapter 3.1. Laboratory methodologies for bacterial antimicrobial susceptibility testing
  (NB: Version adopted in May 2012)

□ on the list of chapters to be updated
OIE strategy on Antimicrobial Resistance and the Prudent Use of Antimicrobials

- 2015 Global Action Plan (GAP) on AMR and the Tripartite Partnership (WHO-FAO-OIE)
- OIE Resolutions on AMR in 2015 & 2016

Consolidated work programme under 4 key objectives aligned with the GAP

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

- Support Member Countries through the development of targeted communications and advocacy materials
- Promote awareness of AMR through Veterinary Statutory Bodies and Veterinary Education Establishments to encourage a professional culture that supports the responsible and ethical use of antimicrobials in animals
- Continue to support professional development goals by conducting workshops, conferences and symposia that promote the prudent use of antimicrobials and address the issue of AMR
- Expand the portfolio of OIE guidance, education and scientific reference materials
- **Collaborate with WHO and FAO** to ensure alignment and coordination of policy and advocacy initiatives
2 Strengthen knowledge through surveillance & research

- Support Member Countries 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, with associated analysis and annual reporting**
- **Enhance the development, use and functionality of WAHIS** to allow analysis of data on antimicrobial use
- **Guide and support research into alternatives to antibiotics** to encourage the development and uptake of new tools, products and methodologies
- Identify and pursue **opportunities for public-private partnerships in AMR research and risk management**
3 Support good governance and capacity building

- Provide assistance to Member Countries in developing and implementing **National Action Plans**, promoting a “One Health” approach.

- **Provide tools and guidance** to assist Member Countries in their AMR risk assessment initiatives.

- **Ensure Veterinary Services have the capacity** to implement OIE international standards, through engagement in the PVS Pathway.

- Support Member Countries to **develop and modernise legislation** governing the manufacture, marketing authorisation, importation and distribution and use of veterinary products.

- Provide regular training of **Focal Points on Veterinary Products**.

- Ensure that **well-trained veterinarians and veterinary para-professionals** are at the forefront of national and regional efforts.
Encourage implementation of OIE standards

- Support Member Countries in their efforts to implement OIE standards
- Disseminate and encourage adoption of recommendations in the OIE List of Antimicrobials of Veterinary Importance
- Strengthen multilateral support for implementation of OIE standards among policy makers
- Build on the success of the OIE standards development work programme to continue to advance for the animal sectors our comprehensive framework of quality, science-based standards that support the Global Action Plan on AMR
- Collaborate with WHO and FAO to support the development of a comprehensive and aligned framework of standards and guidelines across human health, animal health, agriculture and the food chain
The Tripartite: FAO-OIE-WHO Collaboration

Global leader for food and agriculture

Global leader for animal health and welfare standards

Global leader for human health

Joint priorities including on AMR

- WHO Global Action Plan: developed in close collaboration with FAO & OIE
- National Action Plan (NAP) development support tools
  - Manual for developing NAP
  - Checklist to be used to assist with the development of NAP
- Communication tools
  - Joint media statements
  - Antibiotic Awareness Week
  - Common training and presentations
Communication and advocacy

#AntibioticResistance

WORLD ANTIBIOTIC AWARENESS WEEK

Fact sheet, infographics, videos and scientific publications
Technical Item 1 with questionnaire (sent to 180 OIE Member Countries):

Global action to alleviate the threat of antimicrobial resistance: progress and opportunities for future activities under the ‘One Health’ initiative

The objectives of this Technical Item were to:

1. Strengthen OIE’s commitment to this global initiative against AMR
2. Conduct a survey to assess progress made by OIE Member Countries
3. Identify areas of potential action to target interventions and support OIE Member Countries
OIE Resolution 38 “Global action to alleviate the threat of antimicrobial resistance: progress and opportunities for future activities under ‘One health’ initiative”

- The OIE review the List of antimicrobial agents of veterinary importance including considering the purposes for use of antimicrobial agents in animals...

- The OIE complement the specific standards and recommendations on laboratory methodologies for antimicrobial susceptibility testing to determine bacterial resistance and interpret the test results in the context of AMR, working with WHO and FAO to achieve integrated surveillance.

- The OIE put in place tools to monitor the actions undertaken to implement its strategy on AMR, while also taking into account the evaluation developed in collaboration with its Tripartite partners and future work of the UN IACG…
The Tripartite united against AMR

“Effective and accessible antibiotics are as vital for protecting animal health and welfare and good veterinary medicines as they are for human health”

Dr Monique Eloit
OIE Director General
UNGA 71st Session, New York, September 2016
Thank you for your attention