

Morgan Jeannin
Chargé de mission – Antimicrobial Use Database

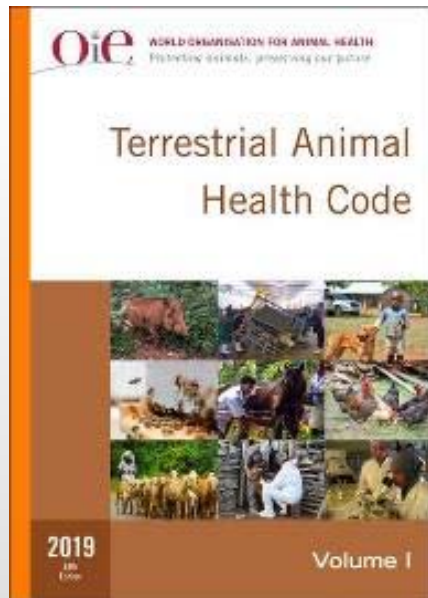
Importance of monitoring quantity and usage patterns of antimicrobial agents in animals at a national level

OIE Sub-Regional Workshop on the database on antimicrobial agents intended for use in animals in Eastern and Southern Africa
Mombasa, Kenya, 29-31 Oct. 2019



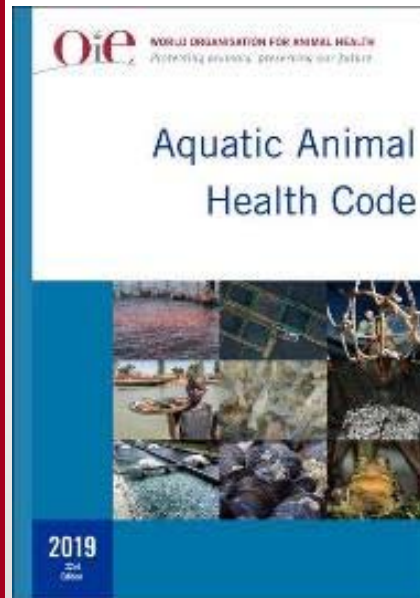
OIE Standards on AMR

Terrestrial Animal Health Code



- Ch.6.7. **Introduction** to the recommendations for controlling antimicrobial resistance
- Ch.6.8. Harmonisation of national AMR **surveillance and monitoring** programmes (updated in May 2018)
- Ch.6.9. **Monitoring of the quantities and usage patterns** of antimicrobial agents used in food-producing animals
- Ch.6.10. **Responsible and prudent use** of antimicrobial agents in veterinary medicine
- Ch.6.11. **Risk analysis** for AMR arising from the use of antimicrobial agents in animals

Aquatic Animal Health Code



- Ch. 6.1. **Introduction** to the recommendations for controlling antimicrobial resistance
- 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

Ch.6.9. & 6.3. Objectives – Importance of monitoring

INTERPRETATION

Helping in the interpretation of antimicrobial resistance surveillance data and assisting in responding to problems of antimicrobial resistance in a precise and targeted way



EVALUATION

assisting in risk management to evaluate the effectiveness of efforts and mitigation strategies.

EVOLUTION

giving an indication of trends in the use of antimicrobial agents in animals over time and potential associations with antimicrobial resistance in animals

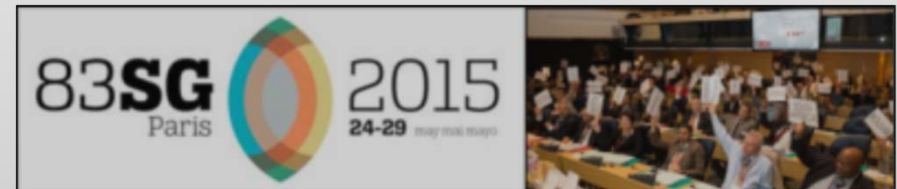
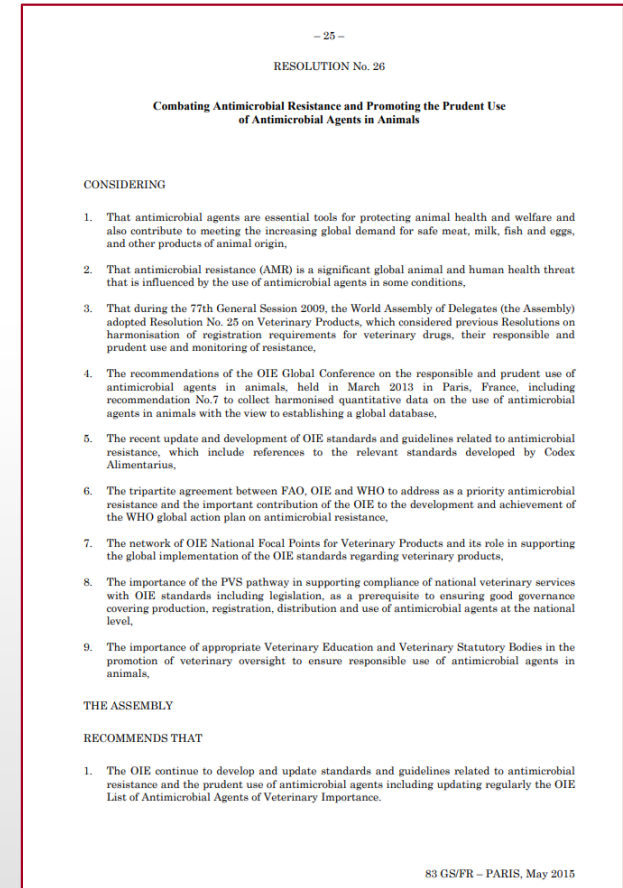
COMMUNICATION

ensuring transparency and communicating on the risks (if data published)

OIE 83rd General Session – May 2015

Resolution 26 “*Combating AMR and Promoting the Prudent Use of Antimicrobial Agents in Animals*”

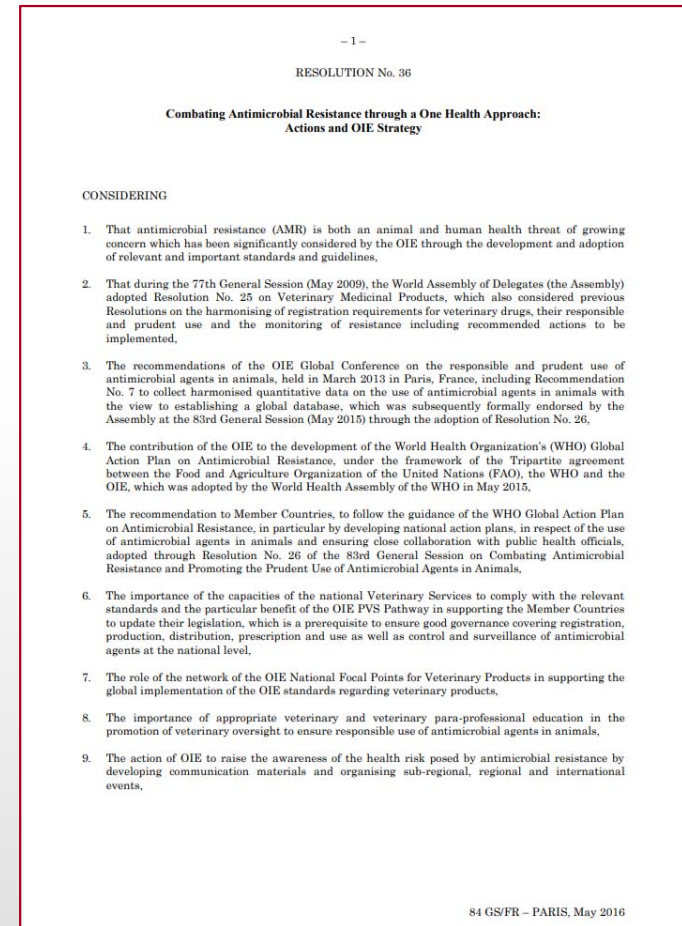
- OIE Member Countries follow the guidance of the *WHO Global Action Plan on AMR*, developed with the support of the OIE in the spirit of the “One Health” approach, in particular by *developing national action plans*
- The OIE develops a procedure and standards for data quality for *collecting data annually* from OIE Member Countries *on the use of antimicrobial agents* in food-producing animals with the aim of *creating an OIE global database...*



OIE 84th General Session – May 2016

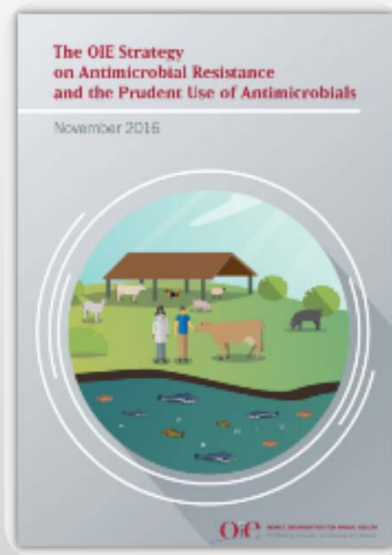
Resolution 36 “*Combating AMR through a One Health Approach: Actions and OIE Strategy*”

- The OIE actions to be compiled and consolidated within the OIE Strategy on antimicrobial resistance include:
 - *The establishment and the management of a database for the collection of data on the use of antimicrobial agents in animals as well as the development of interpretation indicators*



The OIE Strategy on AMR and the Prudent Use of Antimicrobials

- The OIE Strategy supports the objectives established in the Global Action Plan on antimicrobial resistance (AMR), developed by WHO with strong contribution from FAO and OIE. It reflects the mandate of the OIE, through four main objectives:



Improve awareness and understanding



Strengthen knowledge through surveillance and research



Support good governance and capacity building



Encourage implementation of international standards

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**

OIE Global database on antimicrobial agents intended for use in animals

In the framework of the Global Action Plan on AMR, the OIE, under the Tripartite collaboration, is leading a global database on antimicrobial agents intended for use in animals.

The database is designed to:

1. • Monitor the type and use of antimicrobial products
2. • Measure trends over time
3. • Trace circulation and use patterns globally
4. • Evaluate the quality and authenticity of antimicrobial products in use



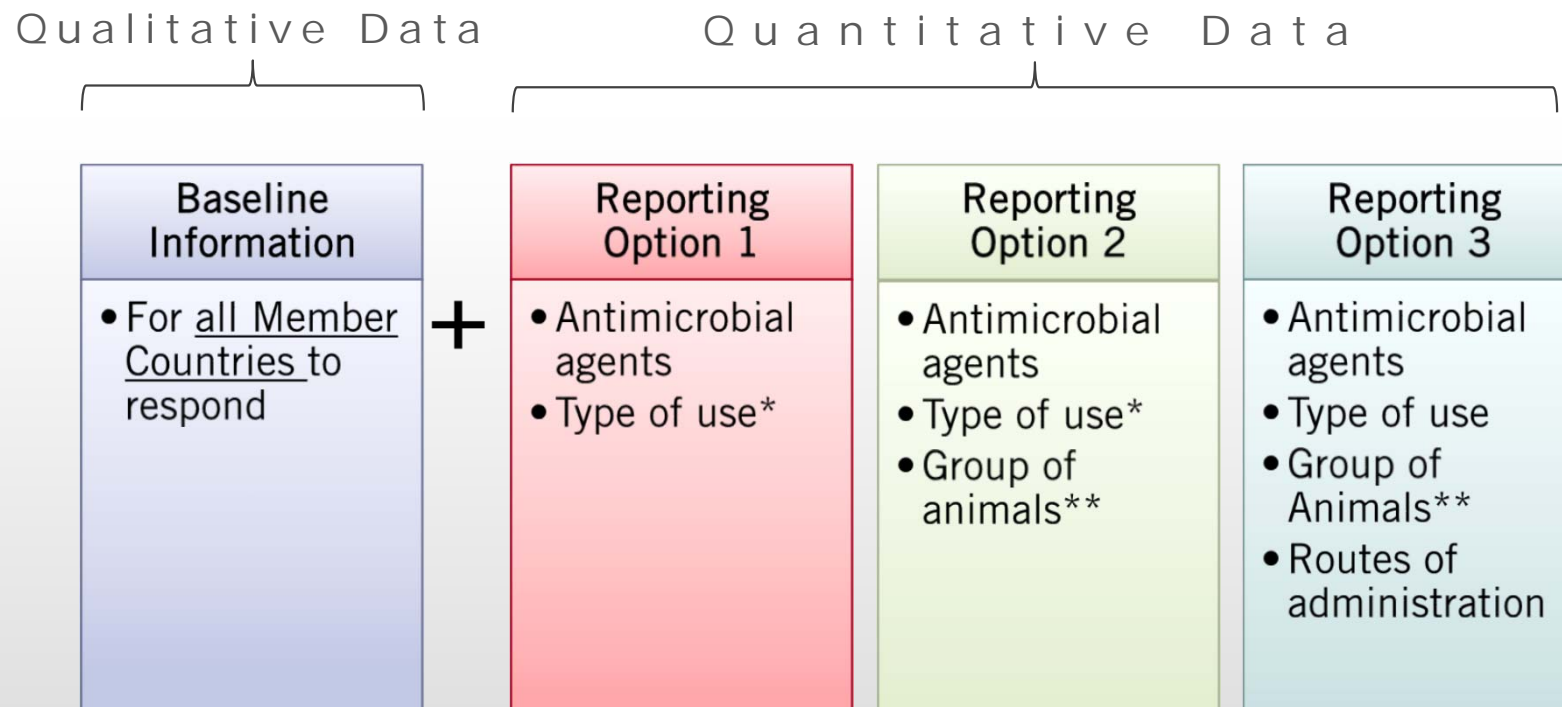
Monitoring the use of antimicrobials in animals based on OIE standards

Chapter 6.9 of Terrestrial Code & Chapter 6.3 of Aquatic Code:



Reporting Options

The sections of the OIE Template named 'Reporting Options' 1, 2 and 3, collect the quantities of antimicrobial agents intended for use in animals.

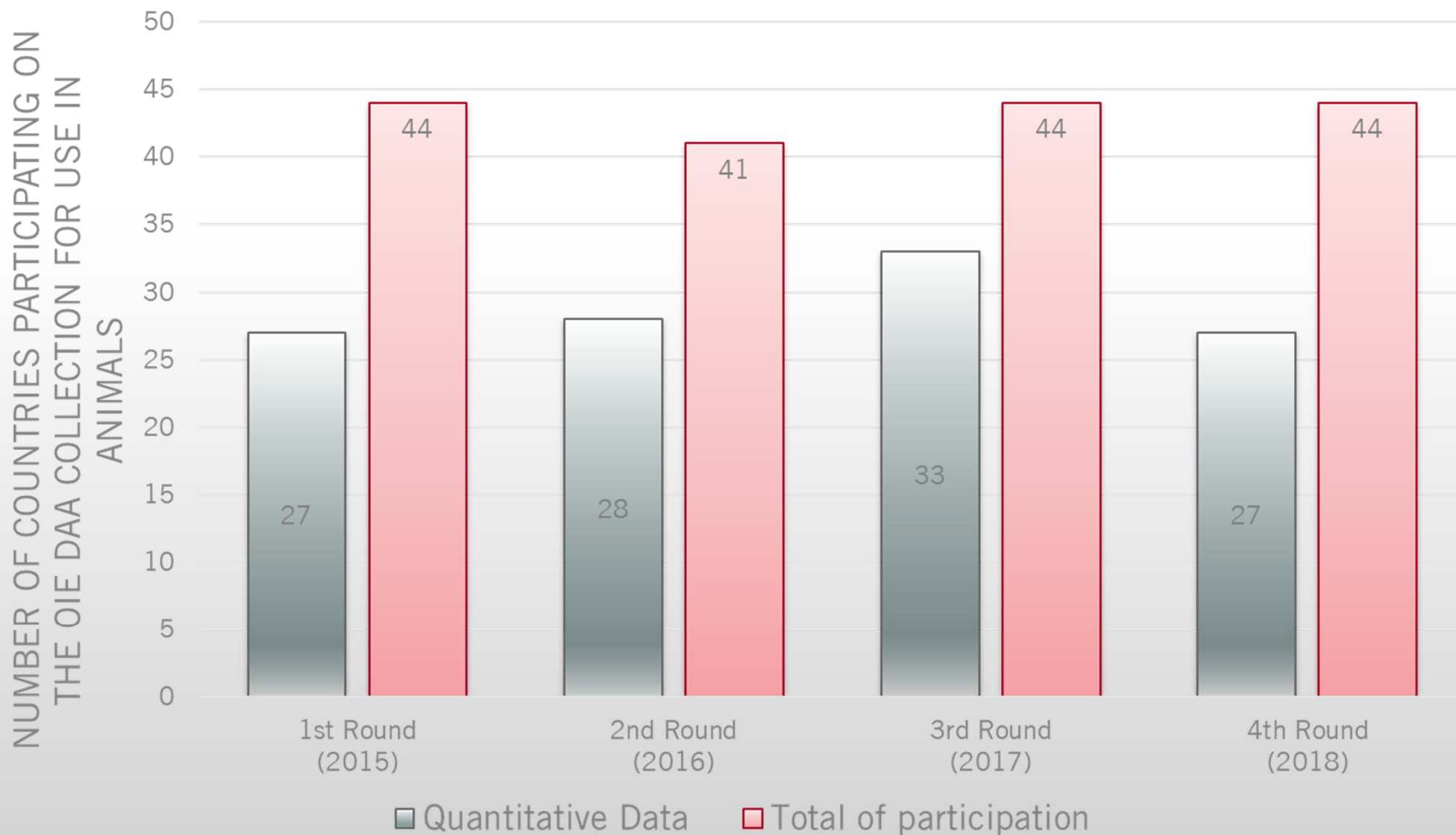


* Type of use: veterinary medical use or growth promotion

**For the purposes of the OIE database, animal groups means: 'terrestrial food-producing animals', 'aquatic food-producing animals' or 'Companion animals'

Proportion of Countries Submitting Quantitative Data on AMU in Africa

Africa



Next Steps

- More participation from Member Countries 5th Round of OIE AMU Data Collection – letters have been sent in September 2019.
- More information on:
 - Type of use
 - Animal groups
 - Route of administration

Long-term vision

- Provide information by animal species
- Refined animal population data with OIE-WAHIS



— TO HANDLE —
ANTIMICROBIALS
— WITH CARE —

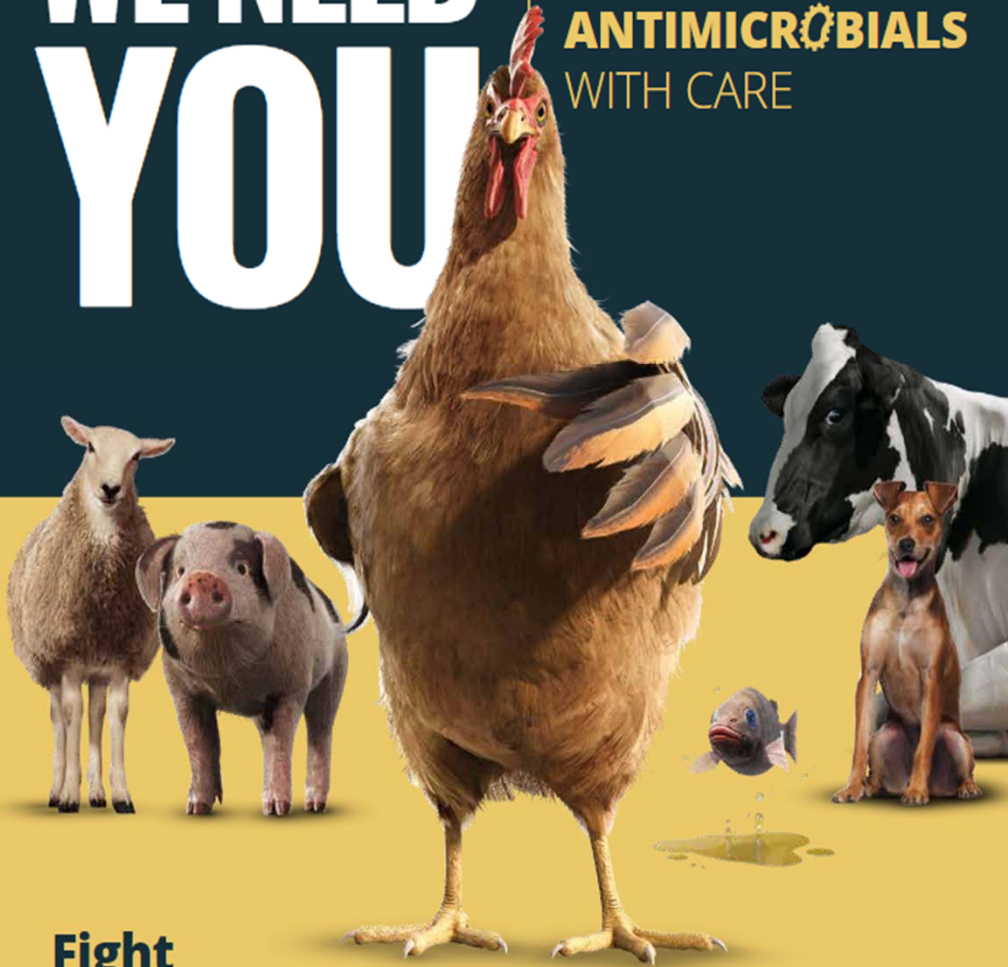
Conclusions

- The OIE Annual Report shows great commitment and growing participation over the years.
- Many Member Countries need support to improve the quality of their national monitoring systems.
- Over time, the OIE database will be further developed to allow countries to provide their information through an electronic portal.



WE NEED YOU

TO HANDLE
ANTIMICROBIALS
WITH CARE



Fight

#AntiMicrobialResistance

- Misuse and overuse of antimicrobials increase **resistance risk**, endangering both animal and human health and welfare.
- **But you can help.** By acting prudently when using antimicrobials, you can preserve their efficacy for our future.



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