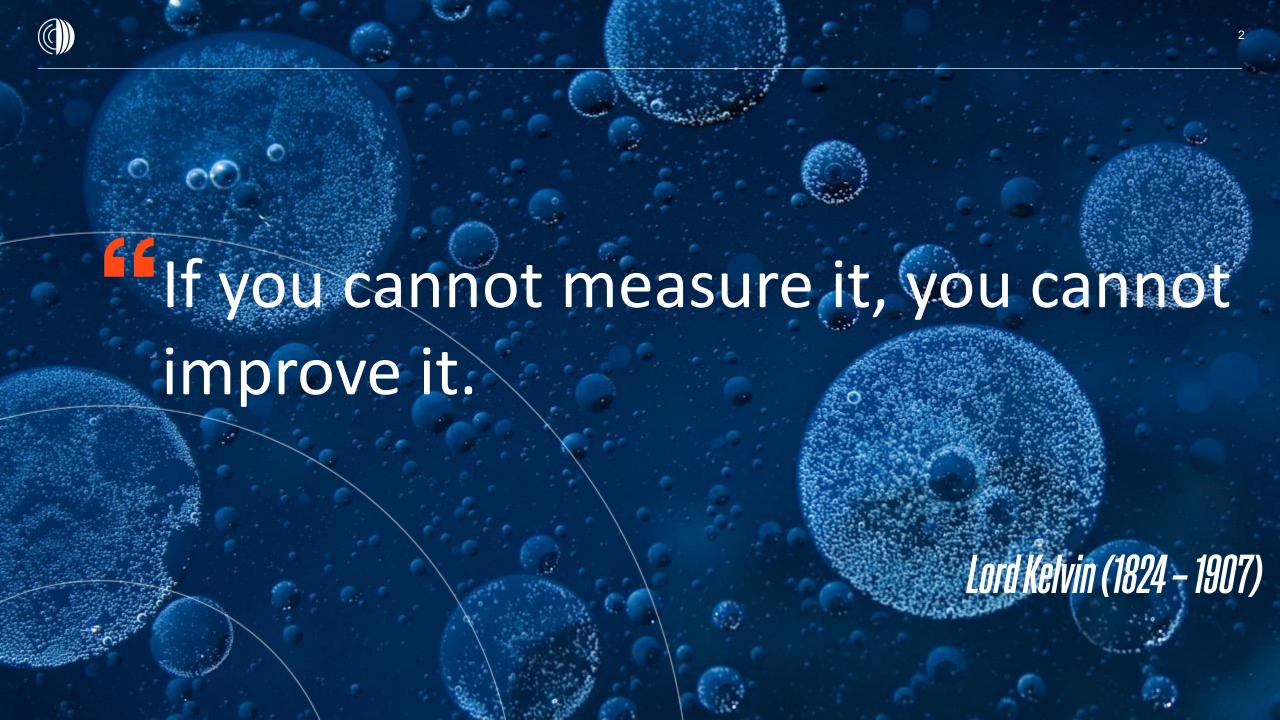


Importance of monitoring quantities and usage patterns of antimicrobial agents in animals at a national level



Regional ANIMUSE Training for Middle East 10-12 May 2023, Dubai, United Arab Emirates





WOAH International Standards for AMR

Terrestrial Animal
Health Code

https://www.woah.org/en
/what-wedo/standards/codes-andmanuals/terrestrial-codeonline-access/

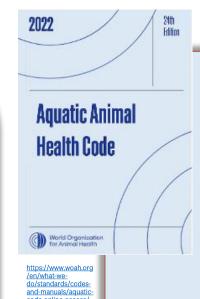
Ch.6.7. Introduction to the recommendations for controlling antimicrobial resistance

Ch.6.8. Harmonisation of national AMR surveillance and monitoring programmes

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



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

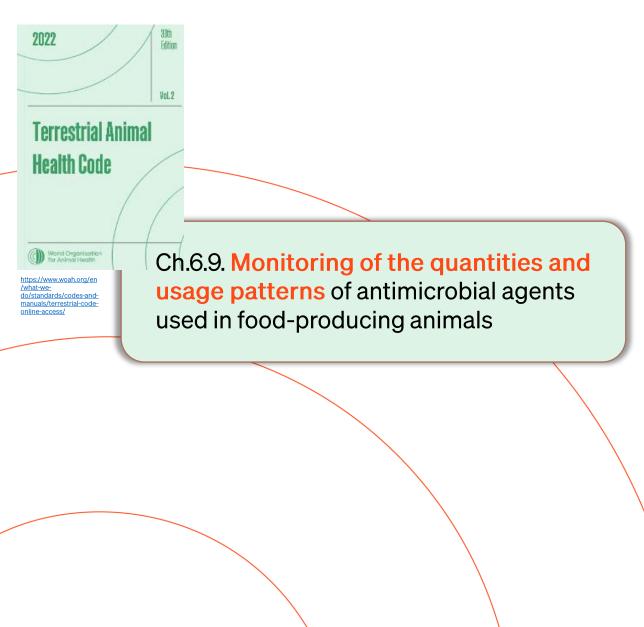
Ch.6.3. Monitoring of the quantities and usage patterns of antimicrobial agents used in aquatic animals

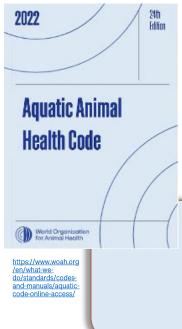
Ch.6.4. Development and harmonisation of national AMR surveillance and monitoring programmes for aquatic animals

Ch.6.5. Risk analysis for AMR arising from the use of antimicrobial agents in aquatic animals



WOAH International Standards for AMR





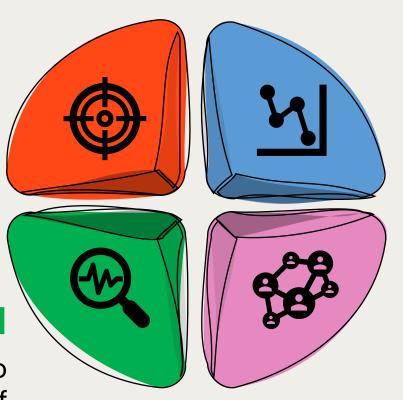
Ch.6.3. Monitoring of the quantities and usage patterns of antimicrobial agents used in aquatic animals



Ch.6.9. & 6.3. Objectives – Importance of monitoring Antimicrobial Use (AMU)

INTERPRETATION

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



EVOLUTION

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

EVALUATION

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

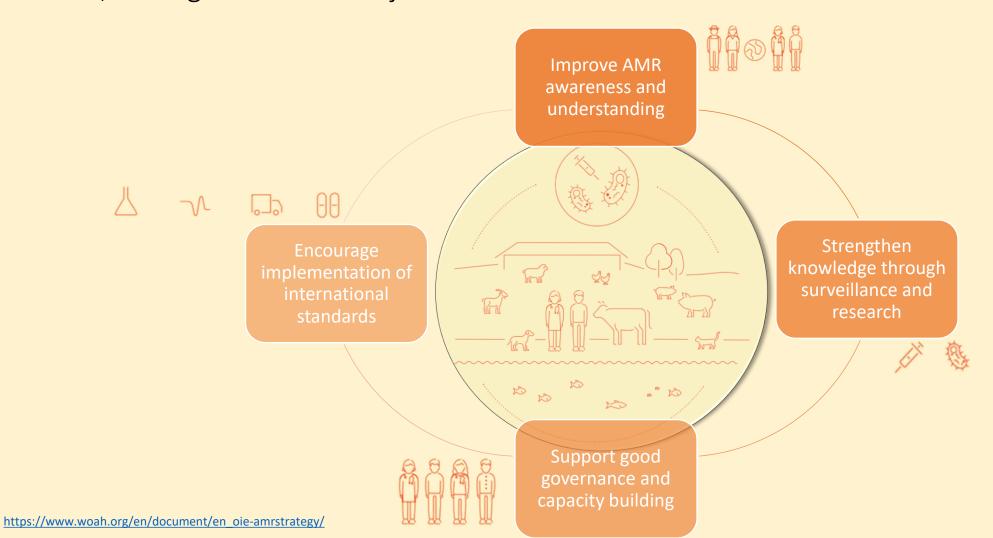
COMMUNICATION

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



WOAH Strategy on AMR and the Prudent Use of Antimicrobials

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





WOAH Strategy on AMR and the Prudent Use of Antimicrobials



Strengthen knowledge through surveillance and research

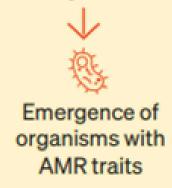
Strengthen knowledge through surveillance and research

AMR National Action Plans



Monitoring and surveillance systems





- Support Members 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 <u>annual reporting</u>
- 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



The database is designed for YOU to:

Monitor the type and use of antimicrobial products

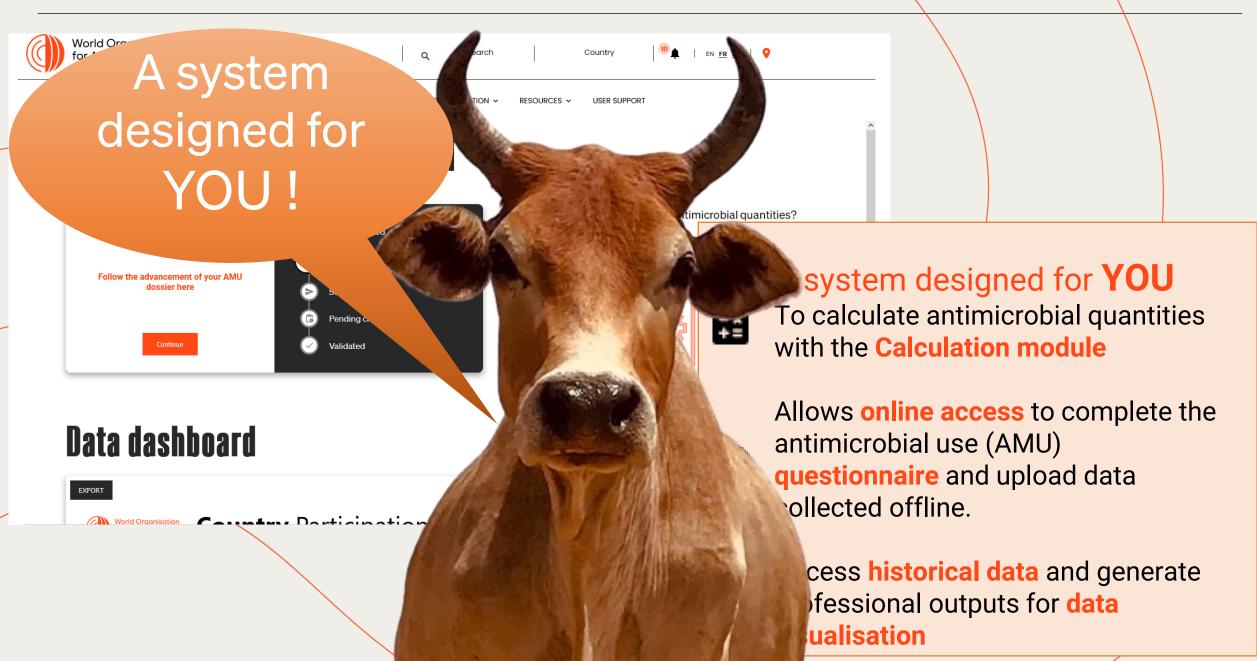
Measure trends over time Trace circulation and use patterns globally

Evaluate the quality and authenticity of antimicrobial products in use





(III) ANIMUSE Global Database





WOAH's Report on Antimicrobial Agents Intended for Use in Animals



https://www.woah.org/en/what-we-do/global-initiatives/antimicrobial-resistance/#ui-id-3

Result of the Round

Regional Information

Animal Biomass

Antimicrobial Quantities Focused on One Year

Trends on Time

are not available

Answer Parts A & B

Qualitative

are <u>available</u> (Question1)

Quantitative

data

Answering the questionnaire and choosing a Reporting Option it is now easier with ANIMUSE





Next steps

- More participation from Members during this 8th Round of AMU Data Collection letters have been sent in September 2022.
- More information on:
 - Type of use
 - Animal groups
 - Route of administration



This can be easily achieved with ANIMUSE's Calculation Module







- Provide information by animal species
- Refined animal population data with WAHIS
- Explore AMU data collection at field level



ANIVUSE Global Database

amu.woah.org