

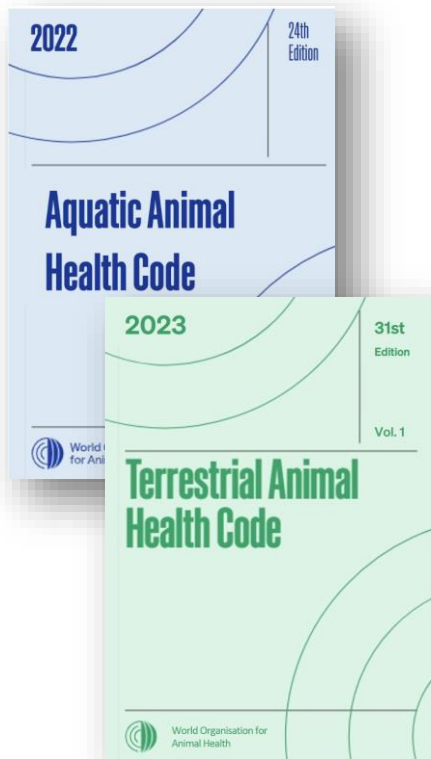
A silhouette of a rooster stands on a ledge, facing right, against a soft, hazy sunset sky. The background shows faint outlines of trees and distant hills. The text is overlaid on the left side of the image.

WOAH Activities on Field Level AMU monitoring

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Products Department

Regional ANIMUSE Training for WOAH Focal
Points for Veterinary Products – Europe

07-09 November, Belgrade, Serbia



Terrestrial Code: Chapter 6.9 *Monitoring of the quantities and usage patterns of antimicrobial agents used in food-producing animals*

Aquatic Code: Chapter 6.3 *Monitoring of the quantities and usage patterns of antimicrobial agents used in aquatic animals*

Articles 6.9.4 (Terrestrial Code) & 6.3.3 (Aquatic Code): *Development and standardisation of monitoring systems for antimicrobial agents*

Sources of data on antimicrobial agents

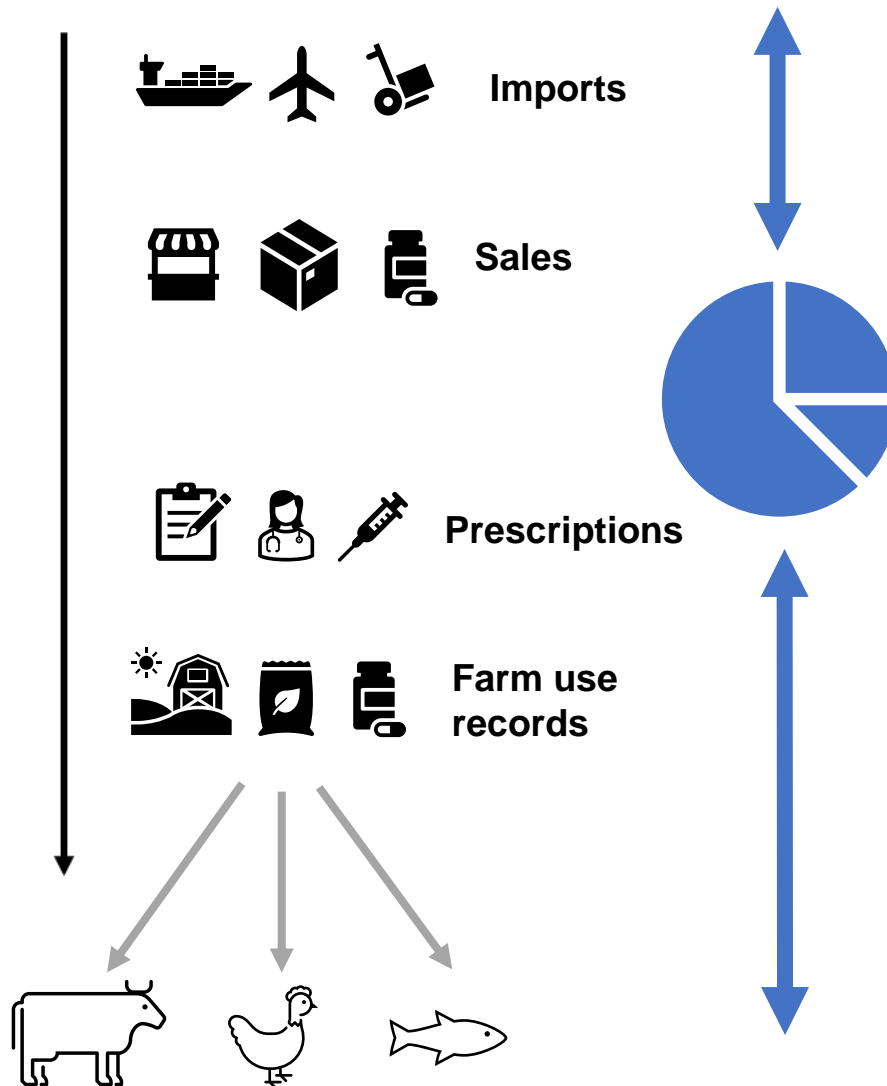
- a) *Basic sources: customs, imports, sales, etc.*
- b) *Direct sources: registration authorities, manufacturers, wholesalers, retailers, feed stores, feed mills*
- c) ***End-use sources: Veterinarians, Aquatic Animal Health Professionals, Animal Producers (terrestrial and aquatic)***
Useful for accurate/specific data: captures extra/off label use
- d) *Other sources: Pharmaceutical industry associations, veterinary and aquatic animal health professionals' associations*

Field & farm level data





AMU sales/imports data vs AMU field level data



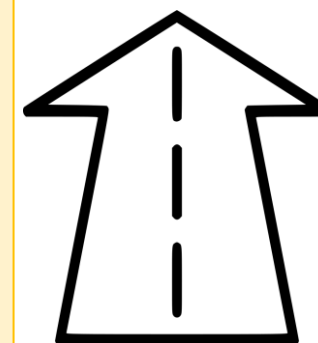
Imports & sales data

- Obtained mainly from **wholesalers, retailers, feed mills, customs declarations**
- Provides an estimation of AMU at a **country level**
- Essential to **evaluate national use** of antimicrobials (international reporting: data collected by WOAH since 2015, currently 9th round)

Complementary data sources

Field level data

- Originates from monitoring antimicrobials **directly administered or prescribed** to animals, for any purpose, via any route of administration.
- Usually at a very **local level**
- It captures:
 - Reasons of use
 - Recipient species
 - Routes of administration, real used dose
 - Off-label use
 - Unauthorized use





Recommendation n°4 of the 2nd OIE Global Conference on Antimicrobial Resistance – October 2018:

To further develop the OIE data collection on Antimicrobial Agents Intended for Use in Animals, converting the current spreadsheet format to a database system, able to accommodate data submissions by animal species, and its connection to the World Animal Health Information System (WAHIS) and also allowing addition of data from field studies.

1. **WOAH Guidelines for Monitoring antimicrobial use in aquaculture at field level**
2. **Inventory of Field Level AMU Monitoring projects**



1. WOAHA Guidelines for Monitoring AMU in Aquaculture at field level

- Background:
 - FP requested support on AMU field level data collection
 - Global survey 2022: 41% Member countries have initiated projects, 26% are planning

- Aim: Support Members developing/implementing projects on field level monitoring of AMU in aquaculture

- **WOAH Electronic Expert Group**, formed in March 2023
 - Eight experts from different regions (2 from CC: ANSES, CASA)
 - Three meetings (April, July, October), next meeting: December
 - Draft document will be reviewed by other experts (TBD)
 - Document to be finalized in July 2024
 - Guidelines will be piloted in some countries (TBD)



1. WOAAH Guidelines for Monitoring AMU in Aquaculture at farm level

Geographical distribution of Electronic Expert Group members





2. Inventory of Field Level AMU Monitoring projects

Objectives:



Identifying projects and **understanding of the situation** of field level monitoring projects globally



Better **understanding methodologies** of in-countries projects for providing better support in collecting data



Ensure that **National Authorities have access** to the projects' information of AMU field level studies conducted in their countries



Complement imports and sales AMU data and empower National Authorities for informed decision making

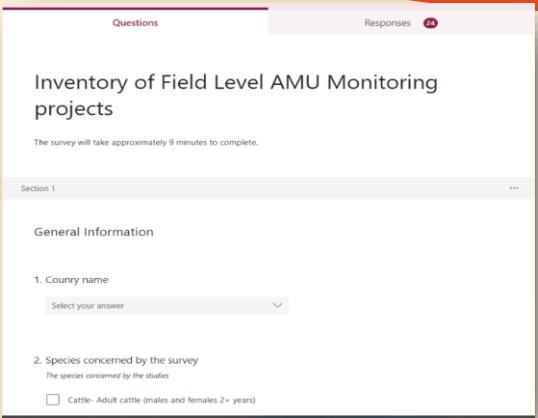


2. Inventory of Field Level AMU Monitoring projects

Microsoft form:

- Collect projects' information
- To be filled by countries and relevant stakeholders

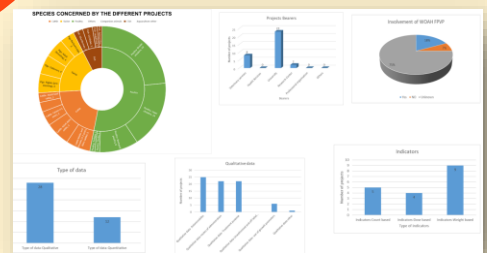
Inventory: Database



What's the Inventory project?

Country	Species	Geographical coverage											Project Status						Period of data collection				
		Region	Province	District	Commune	Hamlet	Household	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other			
AFRICA																							
ASIA																							
EUROPE																							
AMERICA																							
AUSTRALIA																							
INDONESIA																							
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Data visualization:
Graphs planned to be accessible on ANIMUSE





2. Inventory of Field Level AMU Monitoring projects

What does it contain?



Literature review of projects conducted and published by universities, research institutions, etc.



Project information collected by other **organisations and stakeholders**

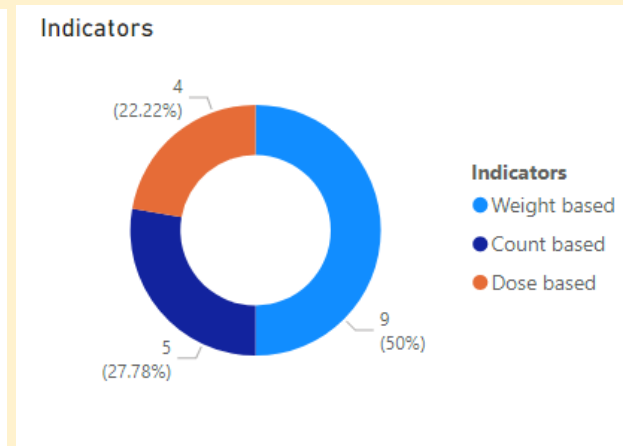
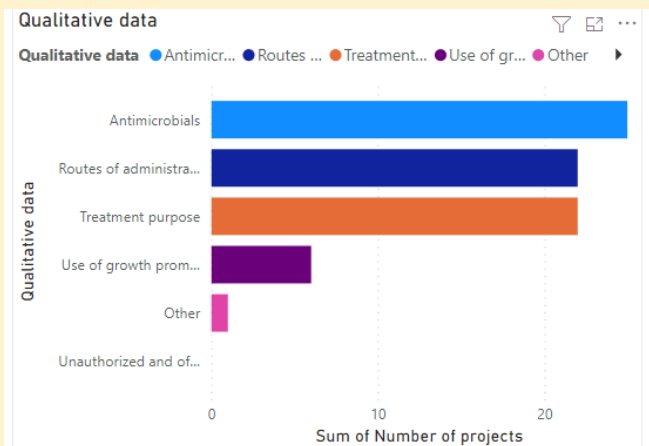
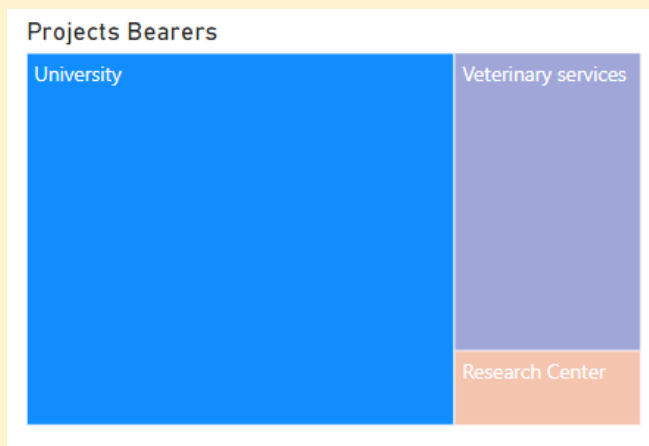
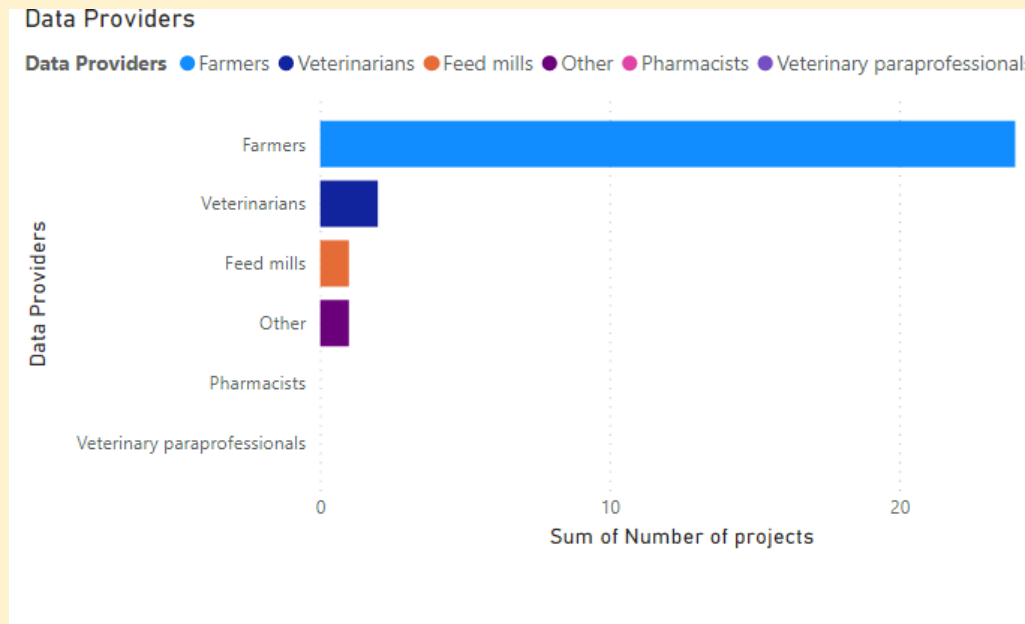
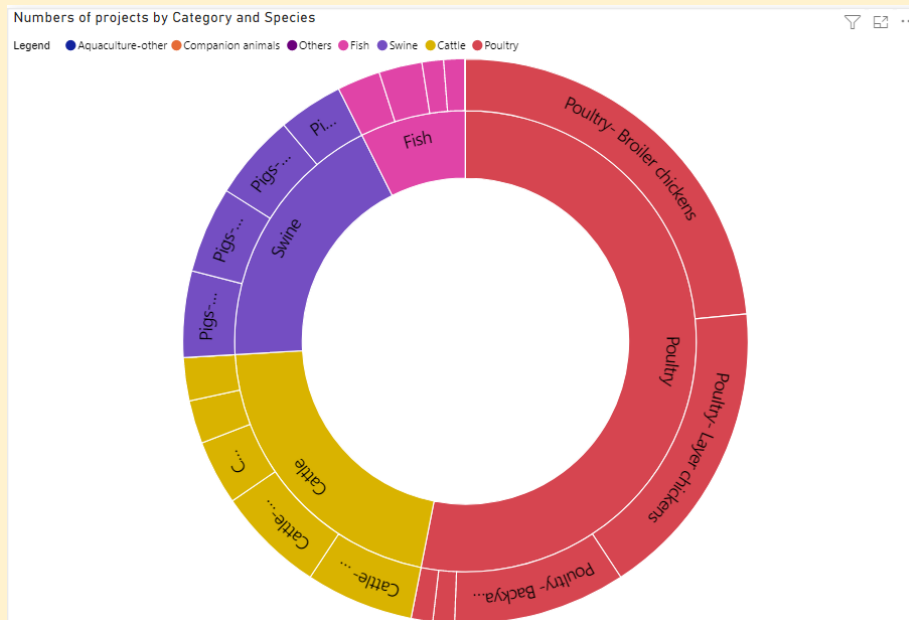


Possibility to add **projects information from FP-VP**



2. Inventory of Field Level AMU Monitoring projects

Preliminary analyses from the Inventory





2. Inventory of Field Level AMU Monitoring projects

Next steps:



Gather as much **data** as possible : literature review, ANIMUSE training, liaisons with researchers and relevant stakeholders



Defining clear **inclusion criteria** for projects to be added in the inventory



Display on ANIMUSE : Inventory forms and graphs will be available on ANIMUSE



2. Inventory of Field Level AMU Monitoring projects

How can existing project in the inventory be added?

- Any study whether they **are qualitative or quantitative** can be added

1. Open the Microsoft form

Inventory of Field Level AMU Monitoring projects

The purpose of this form is to collect information on projects monitoring AMU at field level. The form is designed to allow KAP or qualitative AMU studies to be added. Projects information will be available on ANIMUSE, and each country project information will be accessible by National Focal Points and Delegates in a country specific portal on ANIMUSE. To be able to submit the form all mandatory questions need to be answered. The survey will take approximately 9 minutes to complete.

Hi, Idrissa. When you submit this form, the owner will see your name and email address.

* Required

General Information

1. Country name *

Select your answer

2. Species concerned by the survey *

The species concerned by the studies



2. Fill it with project information

Hi, Idrissa. When you submit this form, the owner will see your name and email address.

* Required

General Information

1. Country name *

TURKS AND CAICOS ISLANDS

2. Species concerned by the survey *

The species concerned by the studies

Cattle- Adult cattle (males and females 2+ years)

Cattle- Adult dairy cattle

Cattle- Adult beef cattle

Cattle-Males and females (1-2 years, dairy cattle)

3. Submit to WOAAH AMU-Team

Comparison between data providers

Results presented to data providers

Other

Back Submit

Form accessible here:

https://forms.office.com/Pages/ResponsePage.aspx?id=Y_X68W2wNUyHOTTMwoDcrzxHXQr6wJxOpd8_stY4PbNUM0VDN0FZSkZaSDBLOUpUNDBPMko0MUNVQi4u

Thank you

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