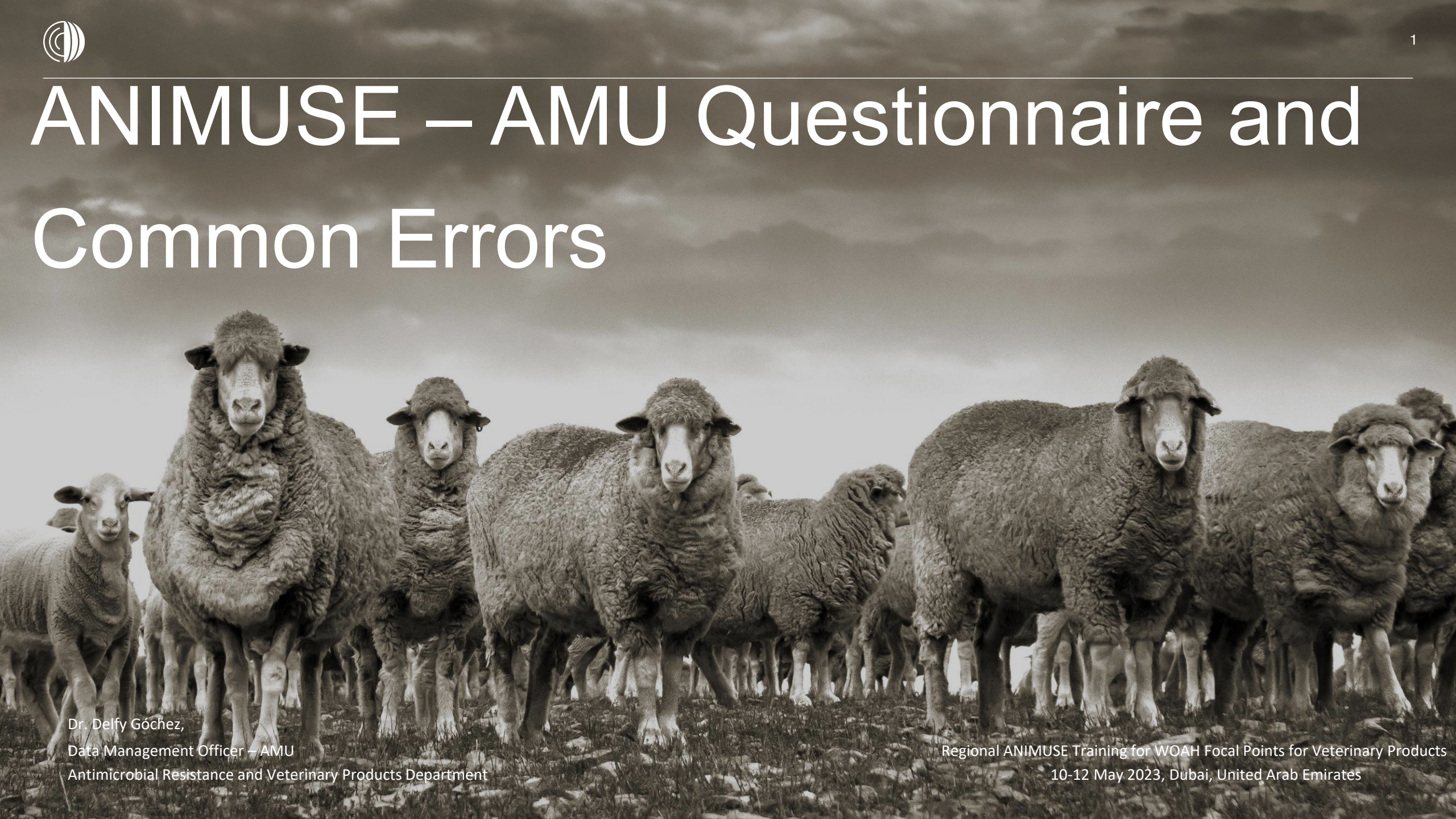
ANIMUSE – AMU Questionnaire and Common Errors



Dr. Delfy Góchez,
Data Management Officer – AMU
Antimicrobial Resistance and Veterinary Products Department

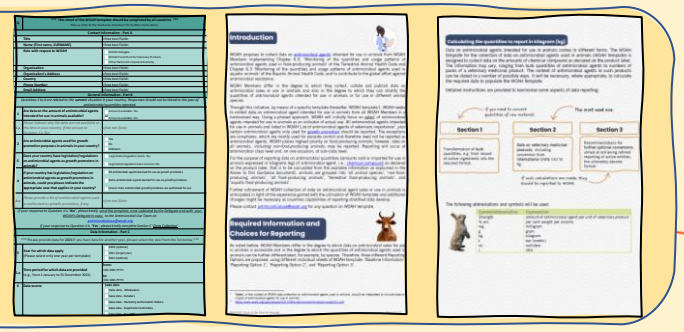
Regional ANIMUSE Training for WOAH Focal Points for Veterinary Products
10-12 May 2023, Dubai, United Arab Emirates

WOAH's AMU data collection procedure

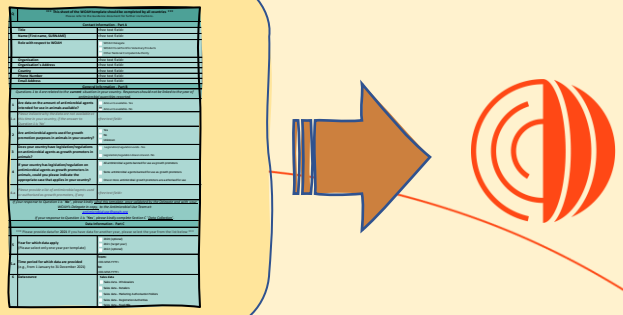
2

Questionnaire, Guidance and Annex

SENDS



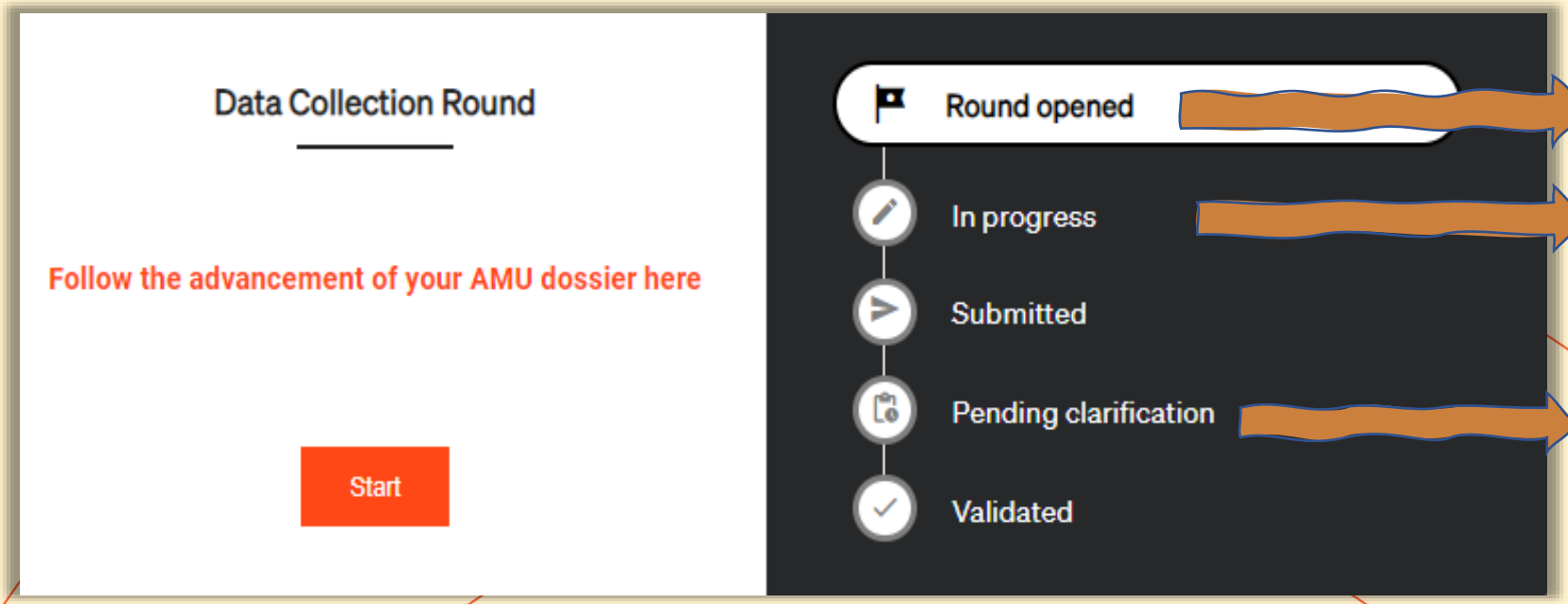
SUBMITS



Exchanges to understand the data and share visuals

- All fields answered
- Coherence of answers
- Data over time
- Good calculations

When are you expected to take action in ANIMUSE?



You need to start completing the AMU Questionnaire

You need to complete the AMU Questionnaire and submit it

You need to provide clarifications to WOAH

You have a message from the Antimicrobial Use Team

What Can I do If my Country Is Not Able to Provide Antimicrobial Quantities?

1 Are data on the amount of antimicrobial agents intended for use in animals available? ○ Yes ◉ No

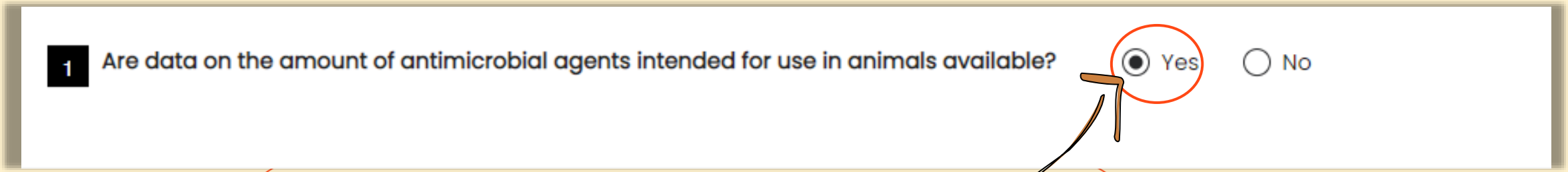
Please indicate why the data are not available at this time in your country, if your answer is no.

When you click 'no', you must provide us with all the relevant information that impedes you from reporting antimicrobial quantities. WOAH is trying to analyse this information to find suitable solutions.

The Calculation Tool (now the Calculation Module in ANIMUSE) was a response to issues related with calculations and lack of IT systems that assist in the data collection procedure.

Remember, WOAH's AMU Data Collection has been designed since its creation to allow the participation of EVERYONE

What Type of Data Should I Submit?



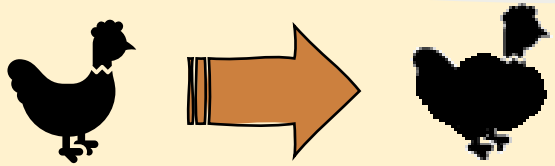
If quantitative data are partially available at national level, choose 'Yes'.
If quantitative data are available for imports, sales, purchase, prescription, production or use at farm level, choose 'Yes'.

WOAH's AMU Data Collection accepts any type of data sources. All data sources accepted are listed in Question 6.

Use of Growth Promoters

What is growth promotion?

Growth Promotion means the **administration of antimicrobial agents** to animals **only to increase** the rate of **weight gain** or the **efficiency of feed utilisation**.



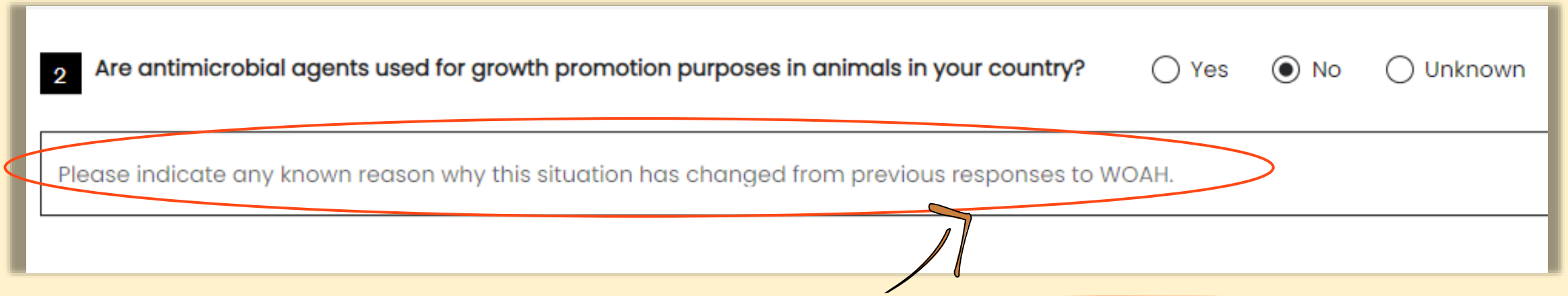
What is NOT growth promotion?

- **To treat diseases**
- **To control diseases**
- **To prevent diseases**

Prevention means to **administer an antimicrobial agent to** an individual or a group of **animals at risk of** acquiring a specific **infection** or in a specific situation where infectious disease is likely to occur if the drug is not administered.

https://www.woah.org/fileadmin/Home/eng/Health_standards/tahc/current/chapitre_antibio_monitoring.pdf

Use of Growth Promoters

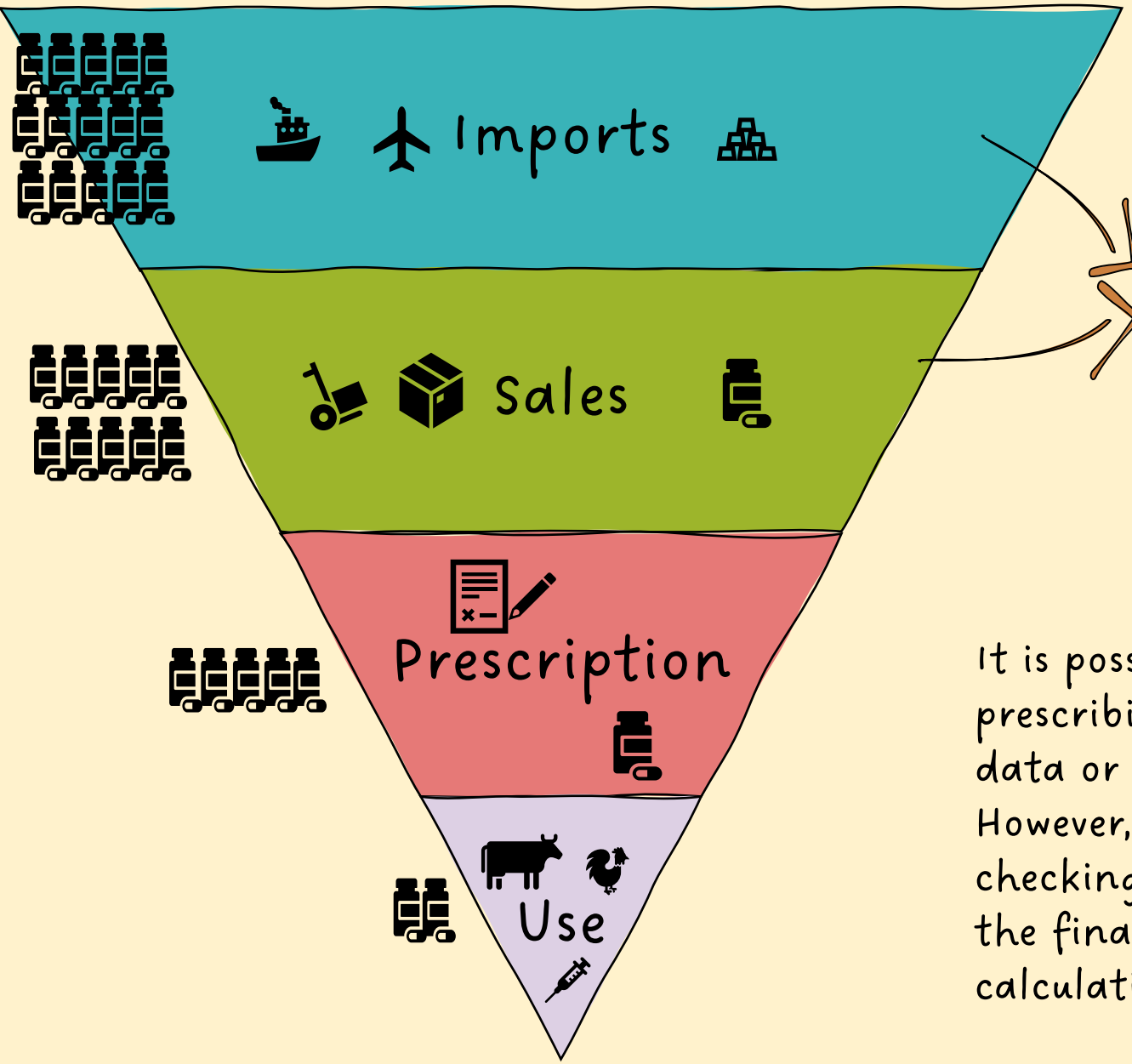


If what you are answering is different from previous rounds, you should provide an explanation. You can also check previous responses in the History tab by clicking on the 'eye' 👁

Round	Reporting Option	Year	Submitted By	Profile	Email	Submission Date	Status	Date	Actions
7th Collection Round	Baseline data	N/A	Lilou Menesses	Other National Authority		2023-03-15	VALIDATED		
6th Collection Round	Baseline data	N/A	Delfy Góchez	Focal point		2023-03-15	VALIDATED		
5th Collection Round	Option 3	2017	Delfy Góchez	Focal point		2023-03-15	VALIDATED		

Data Sources

8



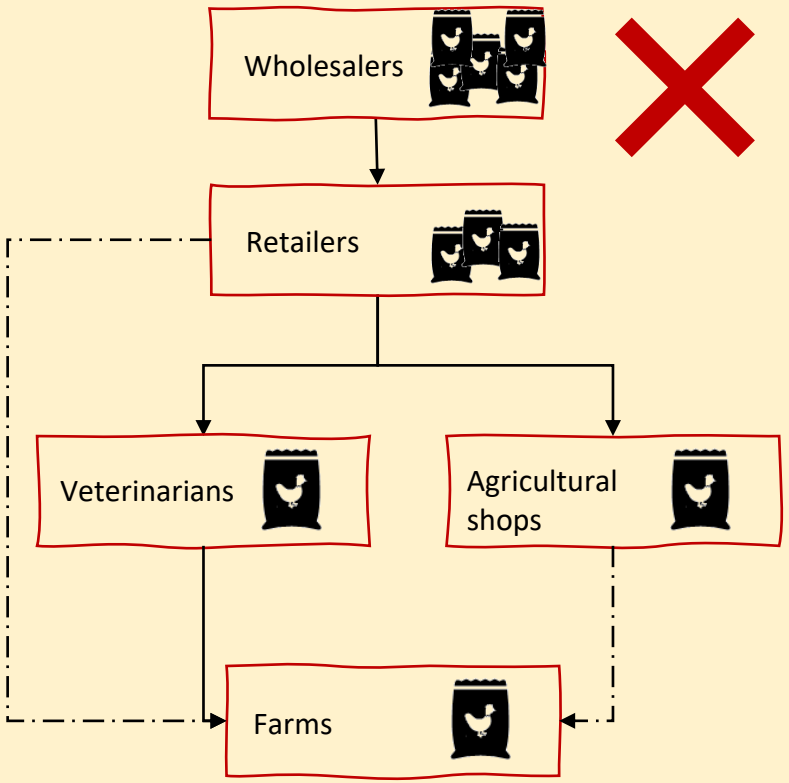
These are the main data sources reported at a global level and for the Middle East.

It is possible to estimate total usage by collecting sales data, prescribing data, manufacturing data, import and export data or any combination of these.
However, please put attention to any duplication when cross-checking data. Also, you might want to inform us which was the final data source that you used when performing the calculations.

Risk of Duplication or Over-Estimation of Data Sources

9

Map the distribution of veterinary products. This will help you to evaluate if there are duplications in the data collection process.

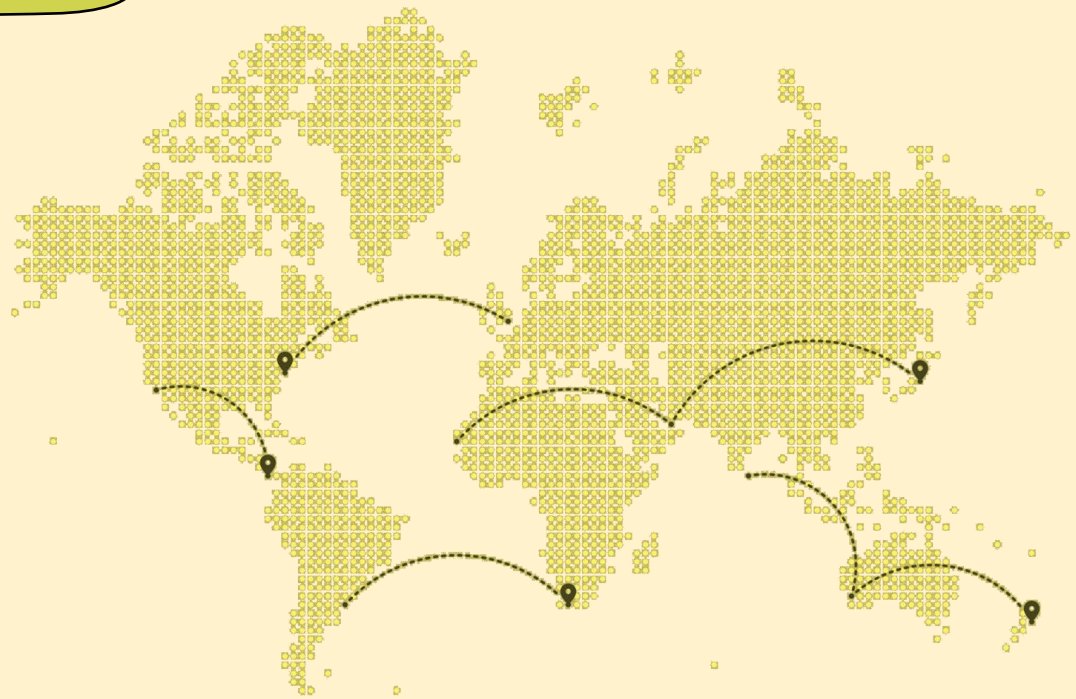


How to Avoid Duplication or Over-Estimation of Data Sources?

10

Map the distribution of veterinary products. This will help you to evaluate if there are duplications in the data collection process.

If you are notifying imports or production, consider the exports



How to Avoid Duplication or Over-Estimation of Data Sources?

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If you are notifying imports or production, consider the exports

You can use different data sources for different animal species (depending on the most suitable data source for that species).

IMPORTS
from poultry products

+

SALES
from companion animal products

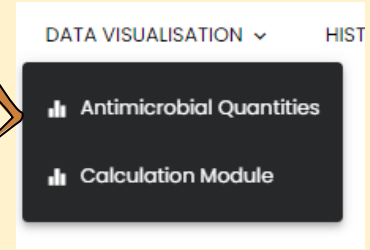
+

USE
from aquatic animals

Use Visuals to Identify Potential Errors

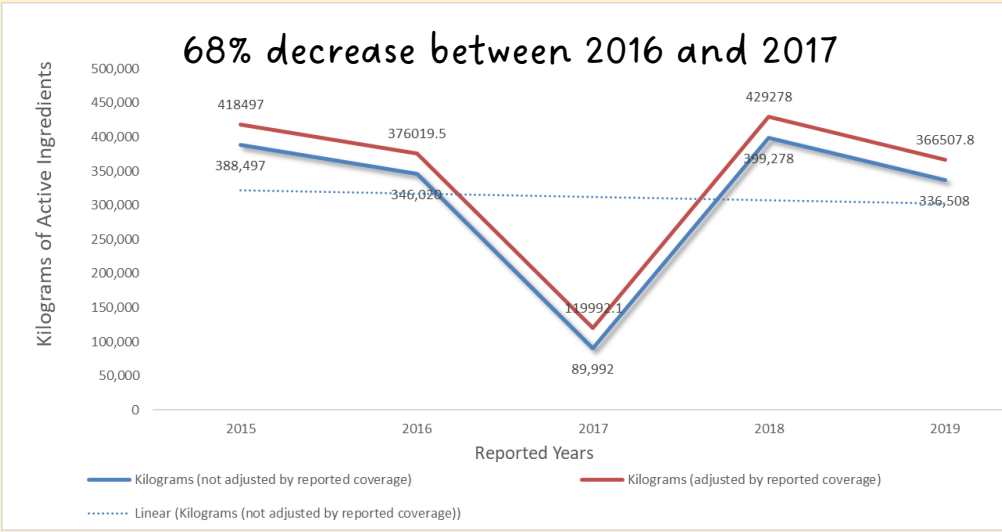
12

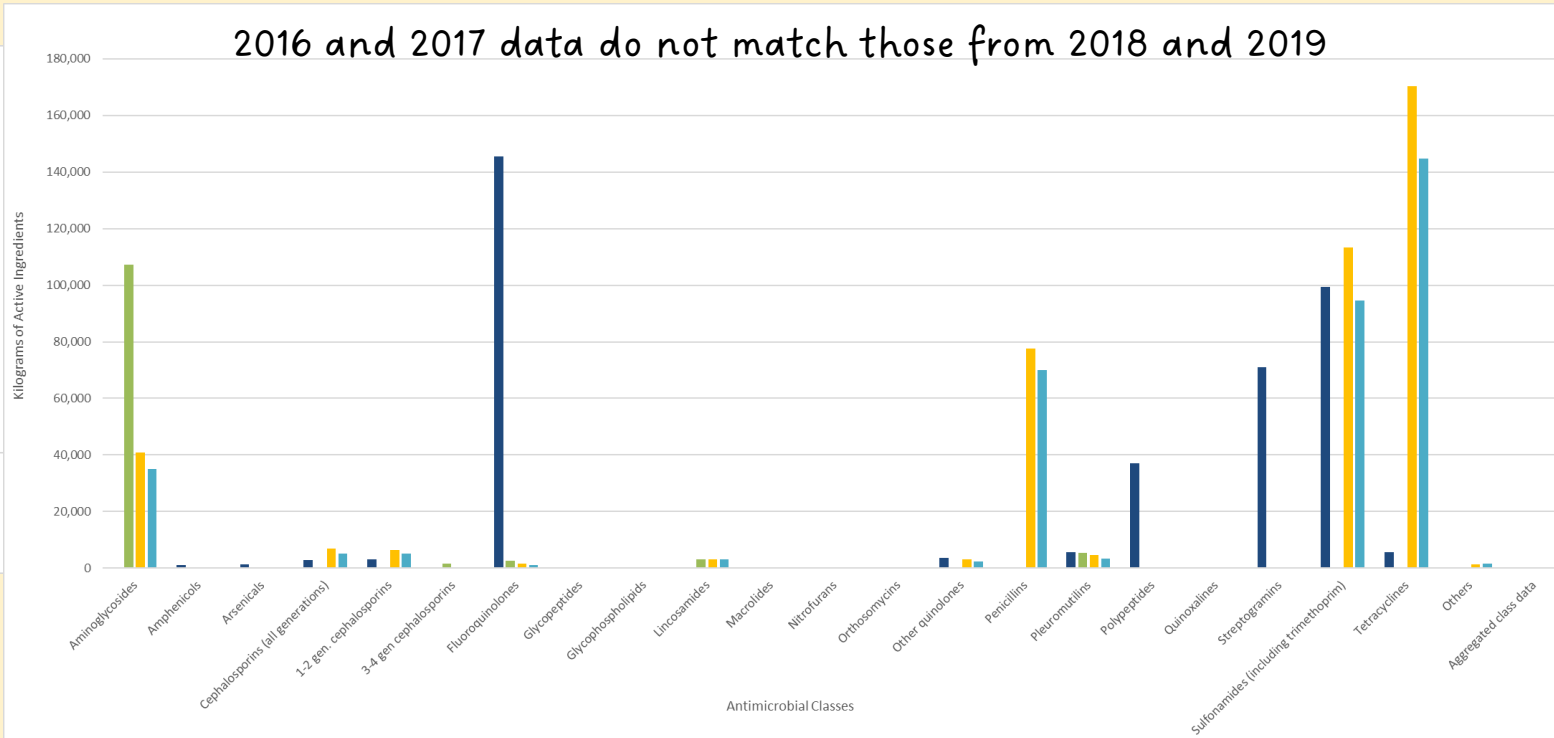
You can create your own visuals, but if needed, you can use the ones already created in ANIMUSE



In a chart, be attentive to the following things:

- Antimicrobial **classes most used** during the years
- **Numbers of antimicrobial classes** reported
- **Percentage of change (%)** from one year to another or in a period of time (**more than ±25%** may indicate an error).
- **Abrupt changes** in the analysis of historical data





Use Visuals to Identify Potential Errors

13

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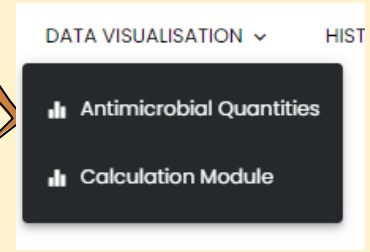

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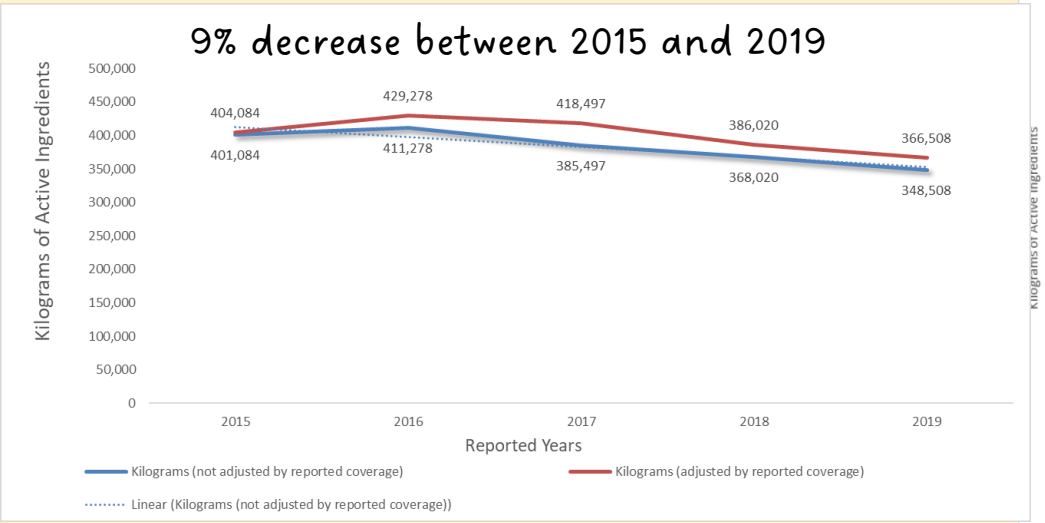
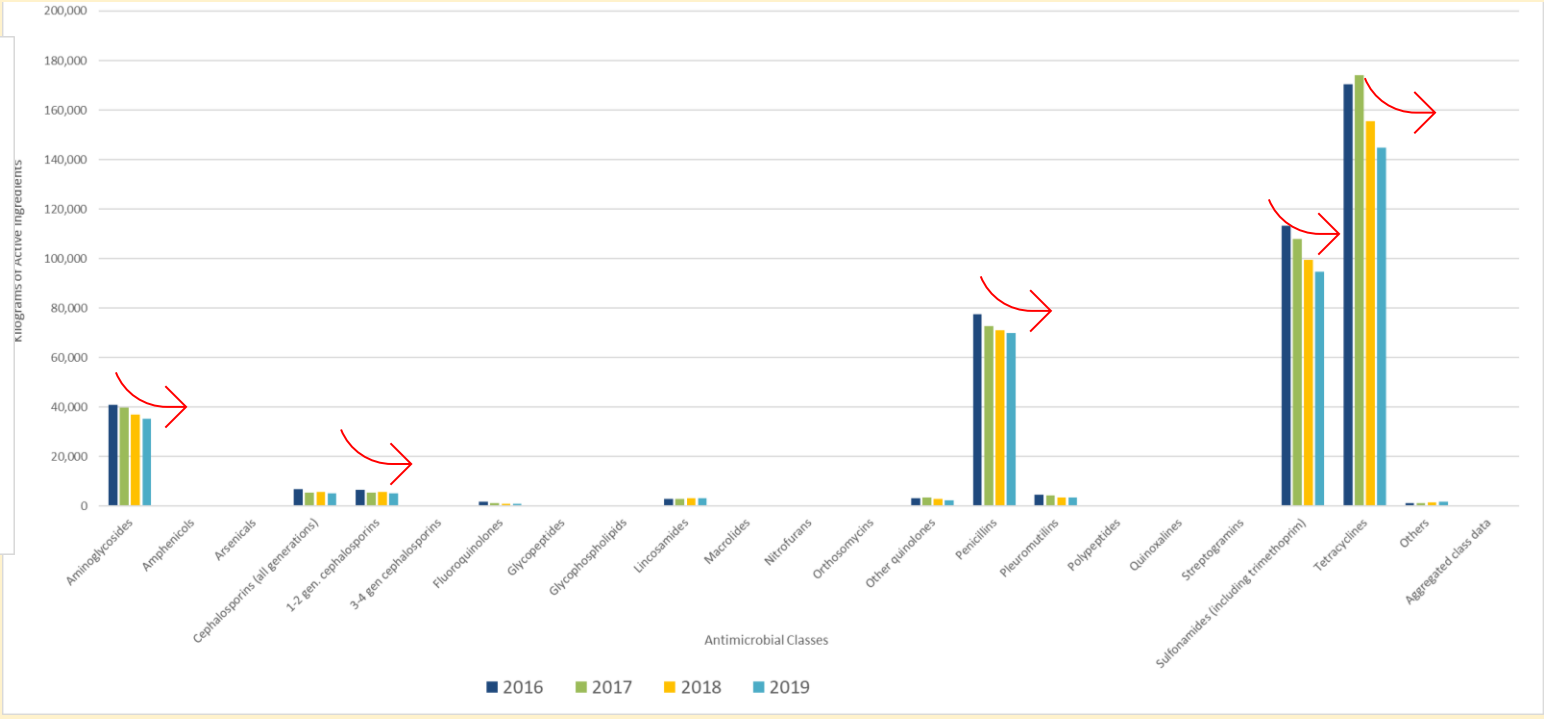
% of change can be calculated as:

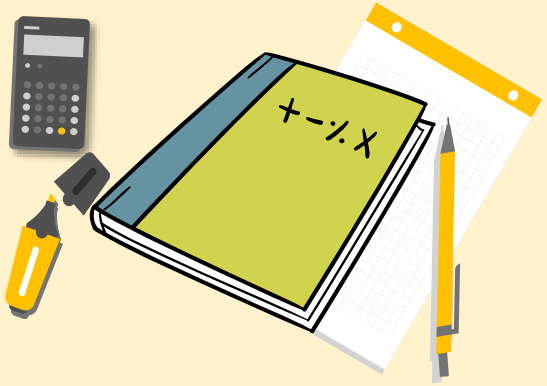
$$\frac{Total\ of\ current\ year\ -Total\ of\ previous\ year}{Total\ of\ previous\ year}\ x\ 100$$



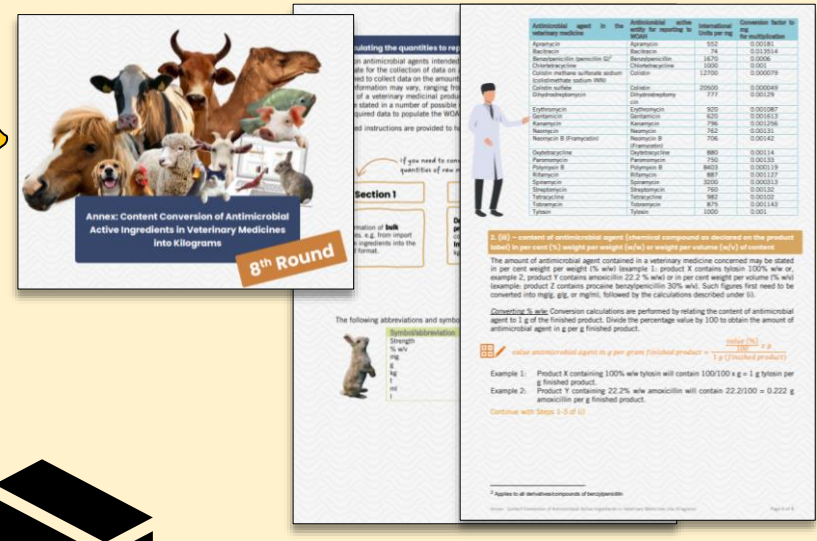


Avoiding Errors in the Calculations

14

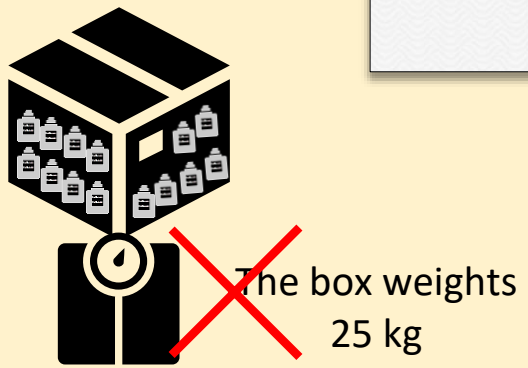


1. Check WOAH's recommendations for the calculations



2. Make sure you are using conversion factors when appropriate

3. Do not report WEIGHT of imported boxes, but KILOGRAM of CALCULATED active ingredients



The box weights 25 kg

4. You, as a National Authority, should have access to DISSAGREGATED data by molecules or veterinary products. Make sure you are able to validate the data notified by different stakeholders

Thank you

For any question, contact us at antimicrobialuse@woah.org