

Mduduzi Magongo
Business Project Management Support
Antimicrobial Resistance and Veterinary Products Department

Future of the OIE Data Collection: The AMU Database Project

Webinar for The Middle East
7 December 2020



WORLD ORGANISATION FOR ANIMAL HEALTH *Protecting animals, preserving our future*

Agenda

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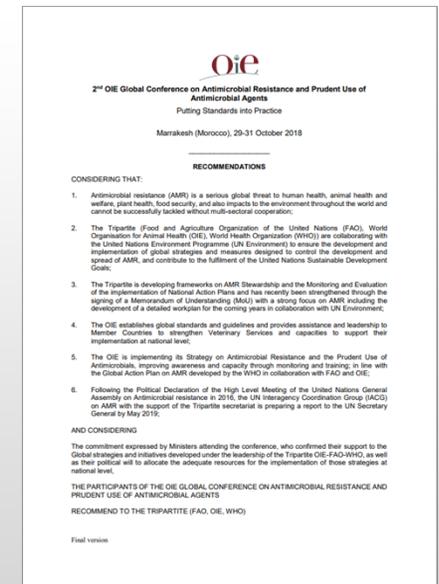
Future Steps

1

Recommendation

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



2

Project Overview

Set up a tool/software to help Countries in the OIE Annual Data Collecting on AMU



Involving the Member Countries in the development to have a tailored tool to their needs



Improve data quality and accuracy through calculation tools and error detection

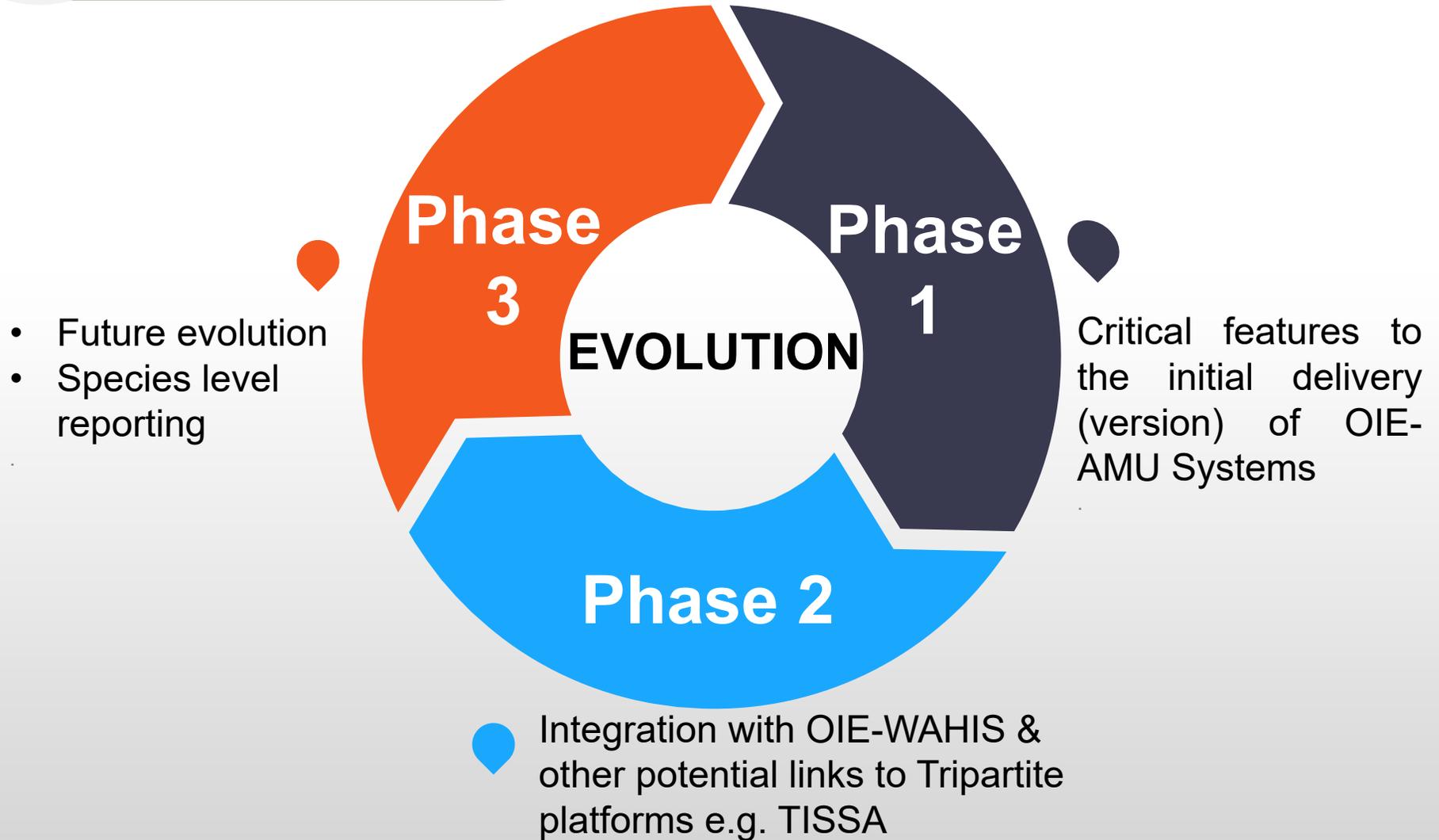


Improving the Countries' ownership of their AMU data



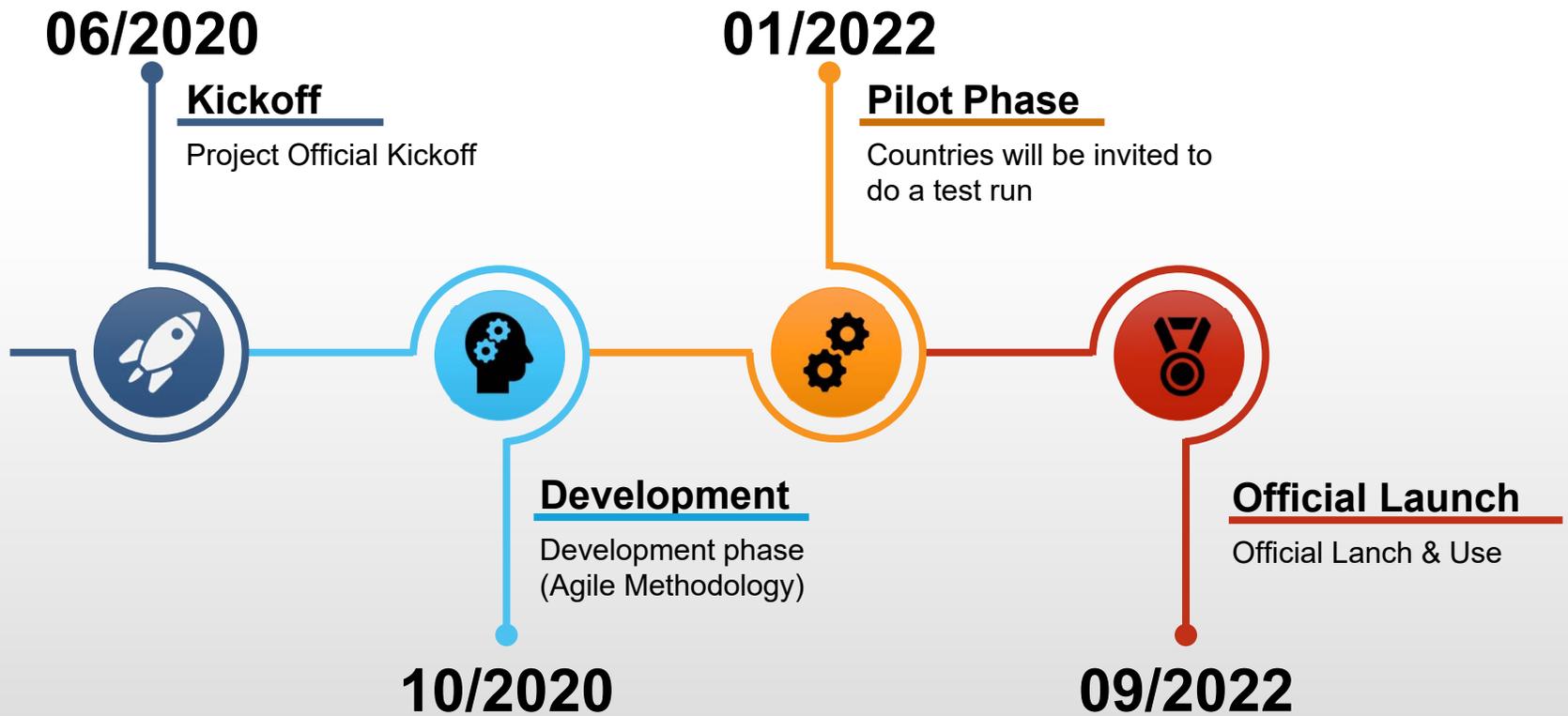
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Development Phases



4

Timelines



5

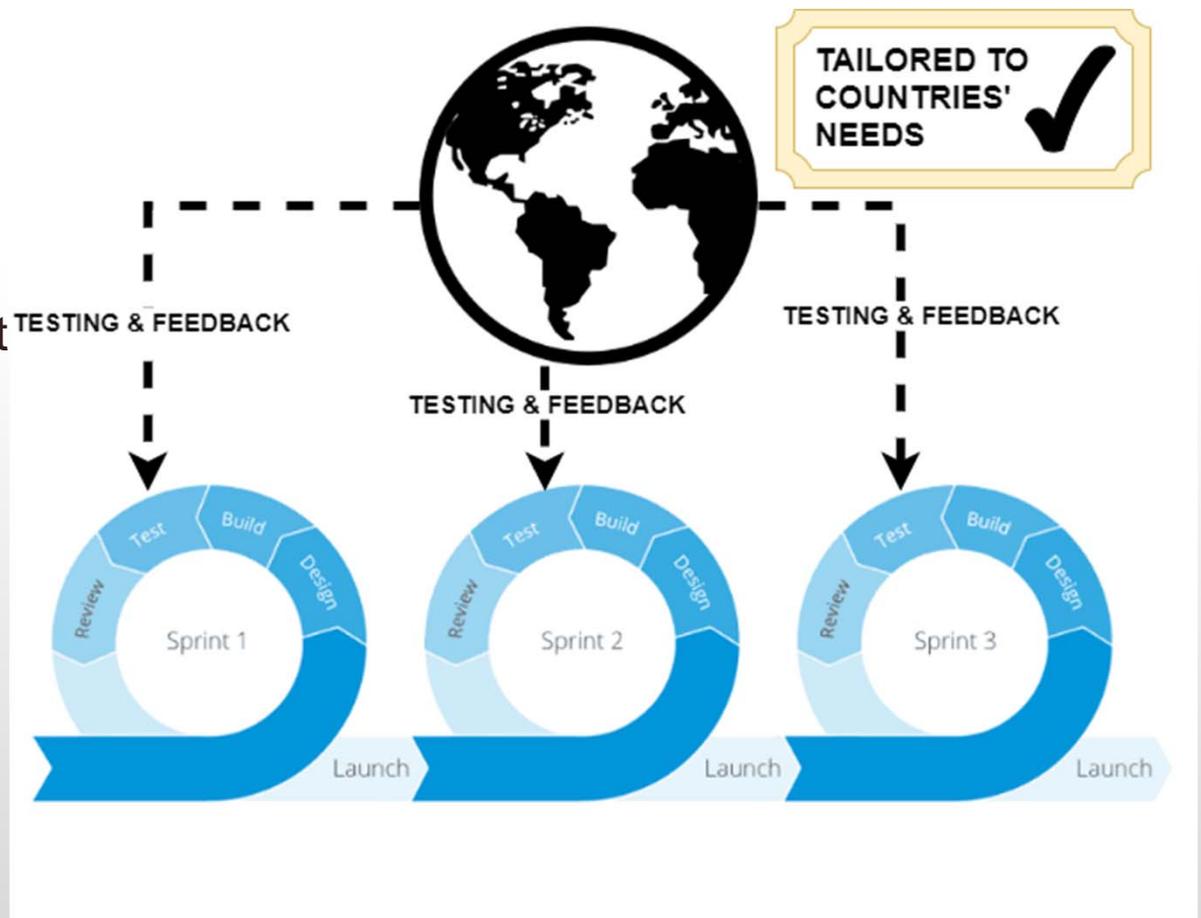
Agile Approach

Key words :

- Iterative realization
- Continuous improvement
- Proximity
- Adaptability

Key principles :

- Transparency
- Involvement of countries
- Up-to-date planning



01

Data Analytics

02

Calculation
Module

03

Data
Collections

04

Historical
Data

05

Resources



Data Analytics

- ✓ Displays key performance indicators (KPI), metrics and key data points to monitor the use of antimicrobials
- ✓ Business Intelligence for data analysis & reporting to support decision making

01

Dashboard

02

Calculations



03

Data
Collections

04

Historical
Data

05

Resources

Calculation Module

- ✓ Assist in calculations
- ✓ Available for countries to collect AMU data 24/7
- ✓ Accurate data

01

Dashboard



02

Calculation
Module

● Data Collection Open

● In Progress

● Submitted

○ Pending

○ Validated

○ Closed

03

**Data Collection
Rounds**

04

Historical
Data

05

Resources

Data Collection Round

- ✓ Online or via the OIE Template
- ✓ Clear progress and stages in the data collection process
- ✓ Chat function for queries

01

Dashboard



02

Calculation
Module

2018

03

Data
Collections

2017

04

**Historical
Data**

2016

05

Resources

2015

Historical Data

- ✓ Access to previous rounds
- ✓ Historical Analysis
- ✓ Downloadable data
- ✓ Possibility to update historical validated data

01

Dashboard

02

Calculation
Module

03

Data
Collections

04

Historical
Data

05

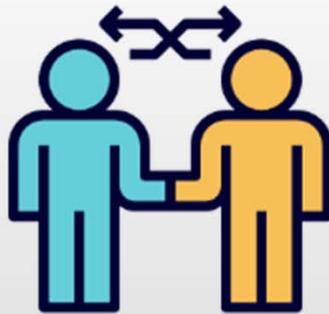
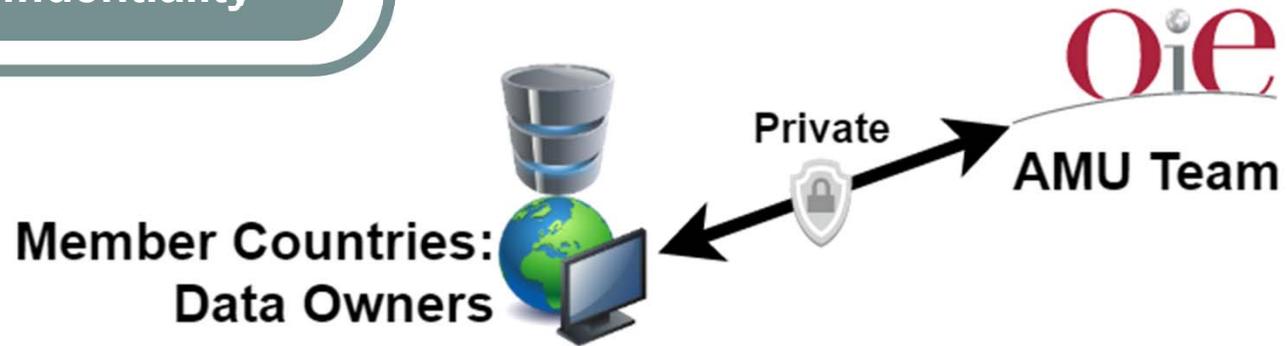
Resources

Resources Page

- ✓ User guides and training content
- ✓ AMU Annual Reports
- ✓ OIE Template, Guidance and Annex for calculations

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Confidentiality



Certain Partners



Public

NB: Does not include the product information nor interactions with the AMU Team

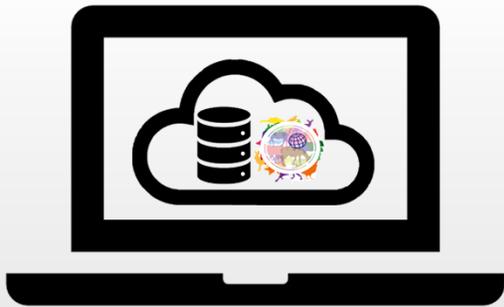


General Data Privacy Regulation

- ✓ **Enhanced Security**
- ✓ **Improved Data Management**
- ✓ **Alignment with evolving technology**
- ✓ **Reduced Maintenance Costs**



Calculation of quantities



Data collection & recording 24/7



Reduce errors & enhancing data quality

8

Benefits - Workload



Current manual processes are time consuming

8

Benefits – Data Ownership



Business Intelligence for data analysis & reporting to support decision making



Access to historical data



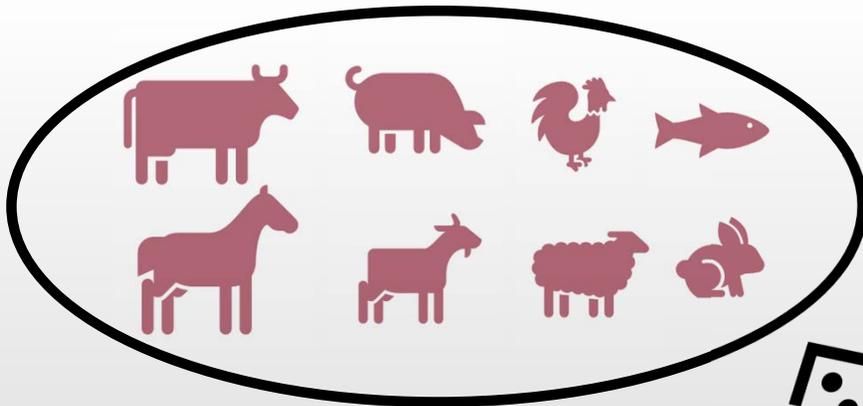
Downloadable data



Antimicrobial agents (**mg**)

=

Animal biomass (**kg**)



Provide an analysis of the antimicrobial quantities (mg) adjusted by animal biomass (kg)





Publicly available data

NB: No product info.



Regional and global analysis



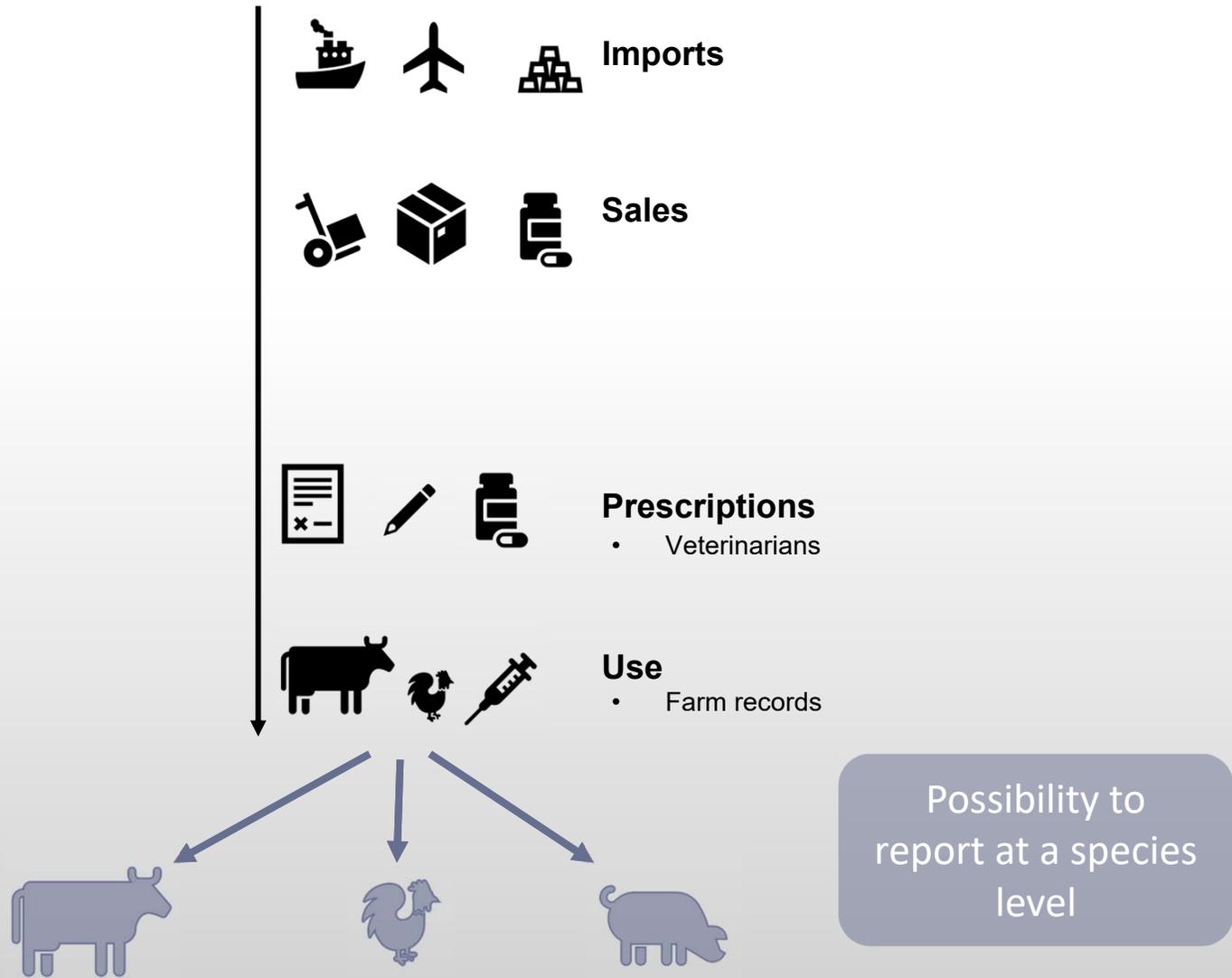
Access to OIE reports



Other resources

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Future Steps



SUMMARY: Future of the OIE Database Collection

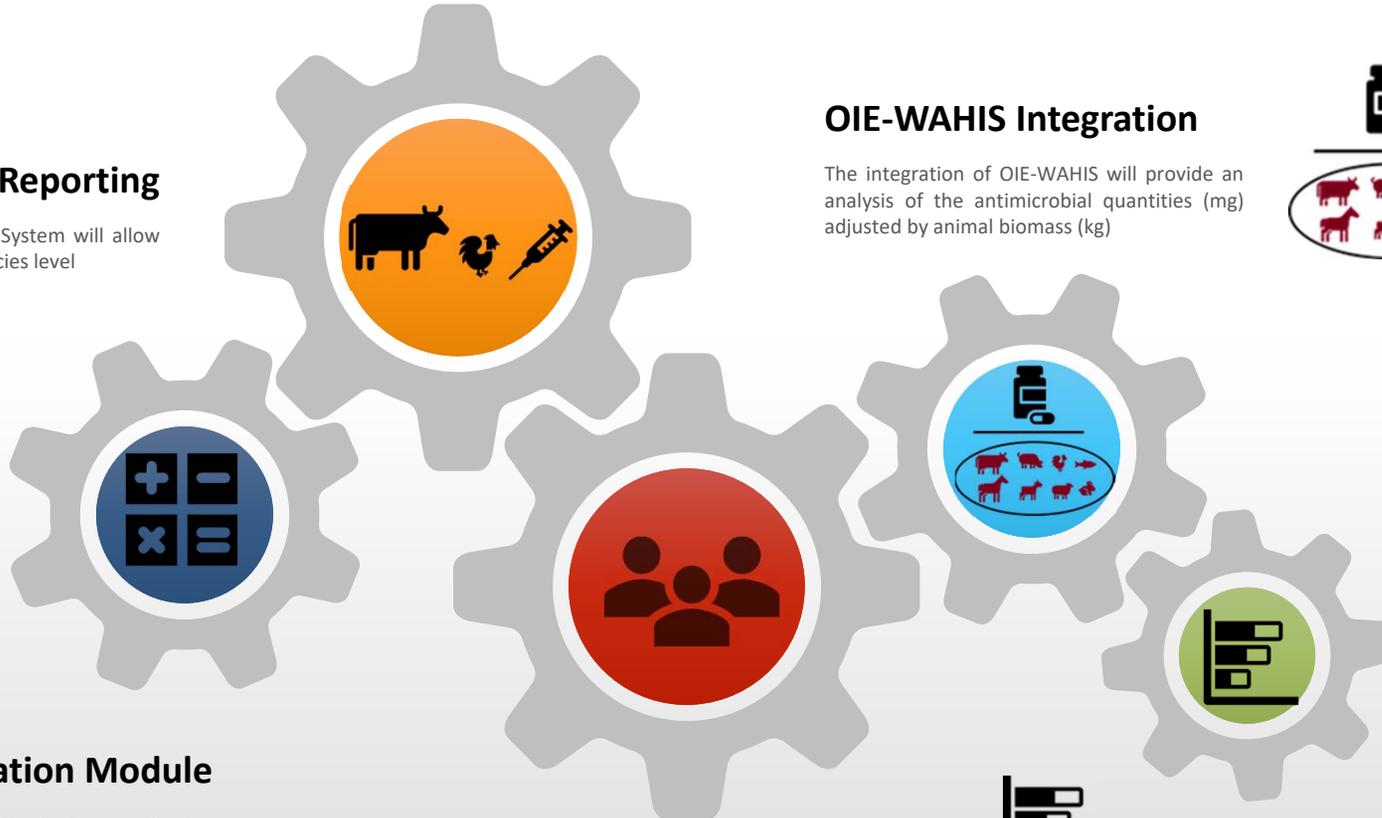


Species Level Reporting

The future OIE Database System will allow Countries to report at species level

OIE-WAHIS Integration

The integration of OIE-WAHIS will provide an analysis of the antimicrobial quantities (mg) adjusted by animal biomass (kg)



Calculation Module

Formulas will be integrated in the System allowing Countries to calculate and report quantities thus improving the accuracy of data

Data Ownership

Countries will have access to their own data which they can analyse and make informed decisions



Business Intelligence Reporting

The system will be integrated with a Business Intelligence tool allowing faster and accurate data analysis and reporting

Question & Answer Session

Thank you for your attention



Mr Mduduzi Magongo

Business Project Management Support
Antimicrobial Resistance and Veterinary Products
Department

12, rue de Prony, 75017 Paris, France
www.oie.int
media@oie.int - oie@oie.int



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