

OIE AMU Team

Antimicrobial Resistance and Veterinary  
Products Department

## OIE AMU GLOBAL Database – Data Injection and Interconnection (APIs)

Webinar for Asia, Far East and Oceania  
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Organisation  
Mondiale  
de la Santé  
Animale

World  
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Health

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# OIE-AMU Global Database – Key Definitions



## System

A computer-based software designed for processing electronic information  
(this is different from Excel)



## Excel

Microsoft Excel spreadsheet that organizes numbers and data with formulas and functions



## .CSV format

Text file similar to Excel that allows data to be saved in a table structured format

# OIE-AMU Global Database – Key Definitions



## Offline

Working while not directly connected to the OIE AMU Global Database  
✓OIE Template may be completed offline



## Data Injection

Data upload from an external source such as Excel or .CVS file completed offline.  
✓Injection of the OIE Template completed offline



## Application Programming Interface (API)

Ability to directly connect country systems with the OIE-AMU Global Database System  
✓Country systems must comply to structure or required fields in OIE-AMU Global Database System

# Data Injection

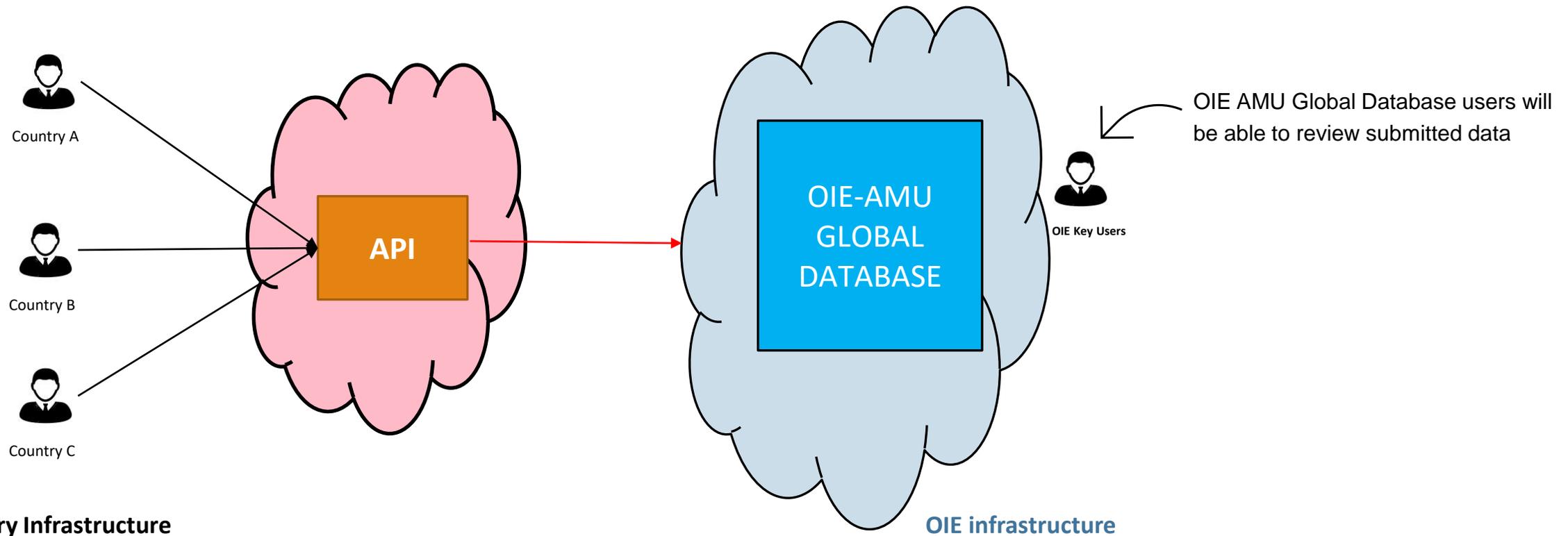
- **DATA INJECTION:** Possibility to input data via file injection (the OIE Questionnaire or antimicrobial quantities). The system allows the user to download the form in xlsx format to allow offline work. The data will be automatically populated and available for review by the user prior to submission.

The screenshot shows the OIE Calculation Module interface. At the top, there are navigation tabs: Home, Calculation Module (selected), Questionnaire, History, and Administration. Below the navigation, there are year selection buttons for 2019, 2020, and 2018. A 'Generate reporting options' button is located on the right. The main area is divided into two sections. The left section, titled 'Find a product, active ingredient, ID of the product', contains an 'Enter Product Presentation ID' field and two buttons: 'Inject data' (highlighted with a red box) and 'Add product'. An arrow points from the 'Inject data' button to a callout box that says 'Inject excel or .CSV file completed offline'. The right section, titled 'Units and Package Size', contains a 'Product name' field, an 'Enter Product Presentation ID' field, and a table for 'Enter the number of packages imported of'. The table has columns for '13' through '20' and rows for 'Active ingredient #1' and 'Active ingredient #2'. Below the table, there is a 'Package Sizes' field with a dropdown menu showing 'ml'. At the bottom right, there is the OIE logo and the text 'Organisation Mondiale de la Santé Animale' and 'World Organisation for Animal Health'.

Inject excel or .CSV file completed offline

# Interconnection - Application Programming Interface (API)

- **API (Application Programming Interface):** allows national systems to connect directly with the OIE AMU Global System. APIs will be possible only for product level data. The data from national systems will need to be structured as requested in the **OIE Calculation Tool**.



**NB:** Country systems must conform to the structure defined by the OIE AMU Global Database

# Interconnection – Proposed API structure



Country systems must conform to the structure of OIE Calculation tool

Do not change		Optional	Optional	Mandatory	Mandatory	Optional	Optional																					
Nº Ref.	OIE ID (this ID will be used to provide you with product's baseline information for future rounds)	Data Source Used	ID Product Presentation	Product name	Please indicate the purpose of the product, according to its label declaration. (Medical use includes <u>prevention</u> of clinical signs)	Route of administration, according to its label declaration	Please indicate the Animals covered by the product																					
							Bovine	Swine	Sheep	Goats	Poultry	Camelidae	Equidae	Rabbits	Bees - Honey	Reptiles	Fish - Undefined	Fish - Carp	Fish - Salmon or Trout	Fish - Tilapia	Fish - Catfish	Fish - Marine	Crustaceans - Prawn/shrimp	Molluscs	Amphibians	Canines	Felines	Ornamental fish
0		Imports	ASFR-20156	Example 1	Vet. Medical use	Injection																					Yes	
0		Manufacture/Produ	ASFR-20157	Example 2	Growth promotion	Oral			Yes				Yes															

Mandatory		Mandatory					Mandatory		
Package size	Package size unit	Active Ingredient 1					Active Ingredient 2 (if the product has more than one antibiotic)		
		Chemical compound as declared on the label					Chemical compound as declared on the label		
		Active ingredient #1	Strenght of antimicrobial agent	Unit	Per unit of content	Unit	Active ingredient #2	Strenght of antimicrobial agent	Unit
100	ml	Sulfamonomethoxine	200.0	mg	1	ml	Trimethoprim	40.0	mg
25	kg	Colistin sulfate	2,000,000.0	IU	100	g			



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# Thank you for your attention!

For more information, contact the AMU Team  
at [antimicrobialuse@oie.int](mailto:antimicrobialuse@oie.int)



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