



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
11-12 May 2021



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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



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Data Injection

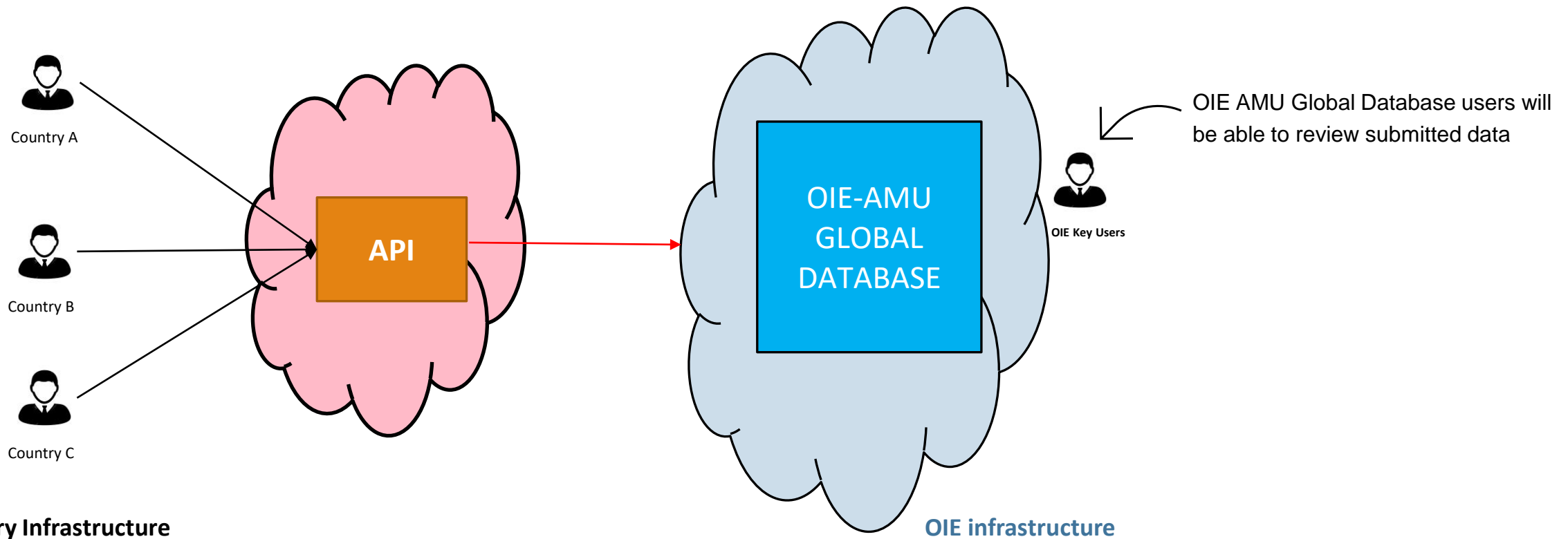
- **DATA INJECTION:** Possibility to input data via file injection (the OIE Questionnaire or antimicrobial quantities). The system allows the user to download the form in xlsx format to allow offline work. The data will be automatically populated and available for review by the user prior to submission.

The screenshot displays the 'CALCULATION MODULE' interface. At the top, there are navigation links: Home, Calculation Module (active), Questionnaire, History, and Administration. Below the navigation bar, there are tabs for the years 2019, 2020, and 2018. On the left side, there is a sidebar with the text 'Find a product, active ingredient, ID of the product' and a search bar. Below the search bar, there is a button labeled 'Inject data' which is highlighted with a red box. An arrow points from this button to a callout box that says 'Inject excel or .CSV file completed offline'. To the right of the sidebar, there is a main content area with a 'Generate reporting options' button. Below this, there are input fields for 'Product name' and 'Enter Product Presentation ID'. Further down, there is a section titled 'Units and Package Size' with a table for 'Active Ingredient 1' and 'Active Ingredient 2'. The table has columns for 'Chemical compound as declared on the label', 'Strength of antimicrobial agent', 'Unit', and 'Per unit of content'. The table is divided into two main sections: 'Active Ingredient 1' and 'Active Ingredient 2'. The 'Active Ingredient 1' section has columns 13, 14, 15, 16, 17, and 18. The 'Active Ingredient 2' section has columns 19 and 20. The table contains data for various antibiotics, including Sulfamonomethoxine, Colistin sulfate, Oxytetracycline, Amoxicillin, Sulfamethoxypyridazine, and Sulfathiazole.

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																
0		Imports	ASFR-20156	Example 1	Vet. Medical use	Injection																	
0		Manufacture/Produ	ASFR-20157	Example 2	Growth promotion	Oral				Yes					Yes								

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
100	ml	Sulfamonomethoxine	200.0	mg	1	ml	Trimethoprim
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



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