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Organisation Organisation mondiale for Animal de la santé -lealth animale ounded as OIE Fondée en tant qu'OIE

Organización Mundial de Sanidad Animal Fundada como OIE

2nd Veterinary Big Data Stakeholder Forum

European Medicines Agency - Amsterdam

23rd November 2022



Highing



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300 +

Reference Centres of expertise

- Management of data provided by Members since its creation, mandate provided by Members and based on Standards
- Currently management of data collected through different ways :
 - Information systems with periodic reporting from Members (mostly)
 - o Surveys
 - Non-official information managed through epidemic intelligence systems
 - o Etc.
- Importance of data confidentiality management
- No management of big data, but management of databases with global coverage





Data Governance

Objective: implementing digital transformation through a WOAH Data Strategy.

How is it being achieved? By developing a Data Strategy and data governance framework to optimise data management, while improving accessibility and visibility of data for stakeholders.



Scessfisties VALUATION

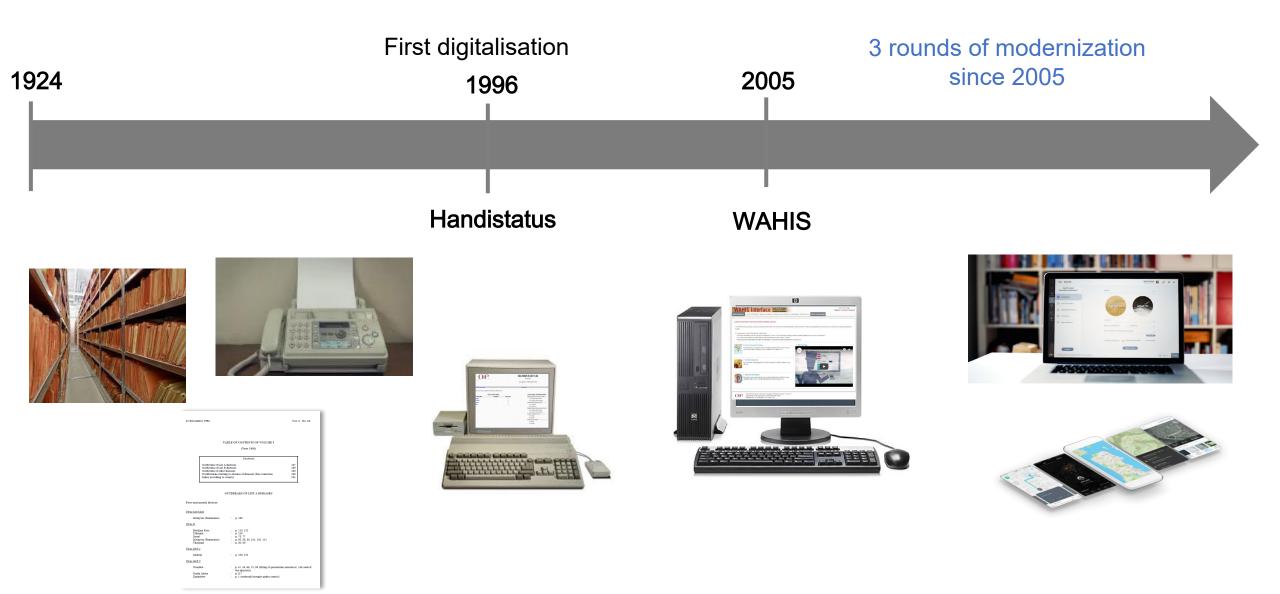


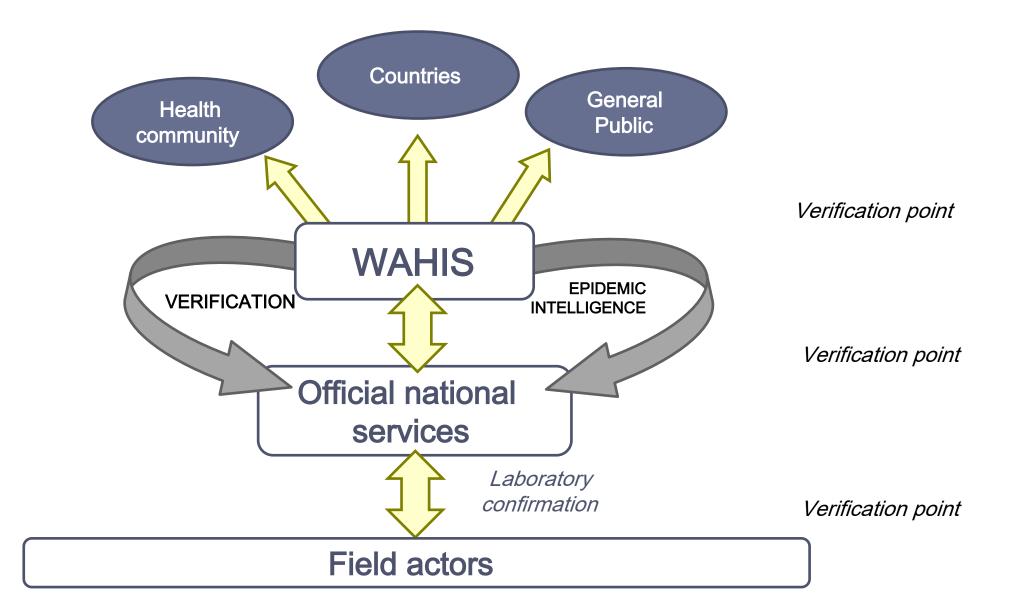


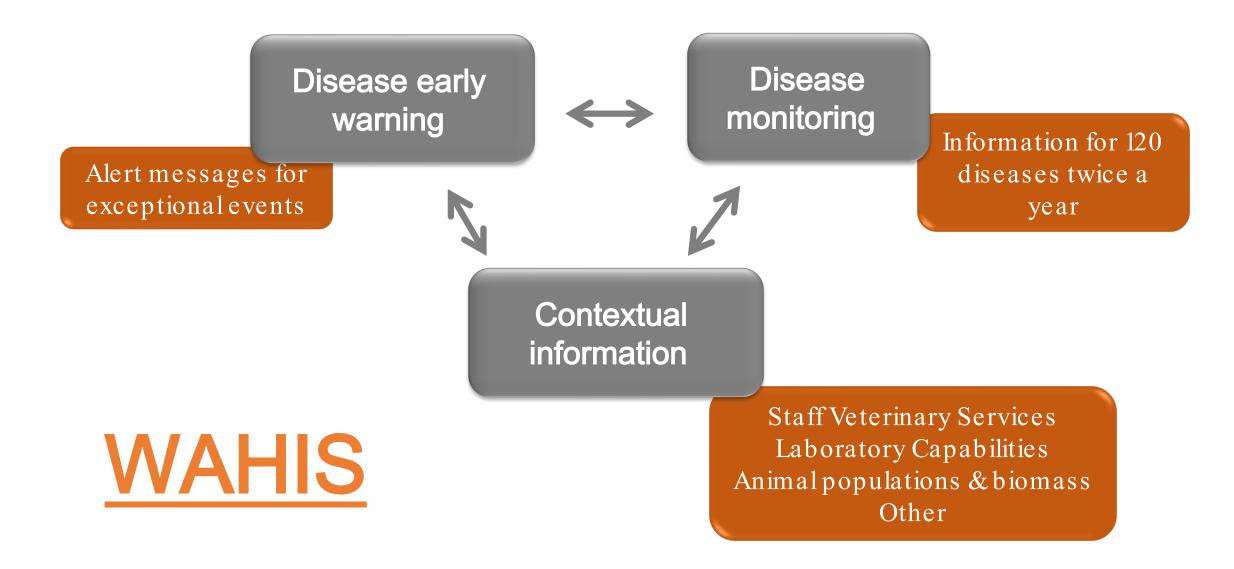
World Organisation for Animal Health WAHIS

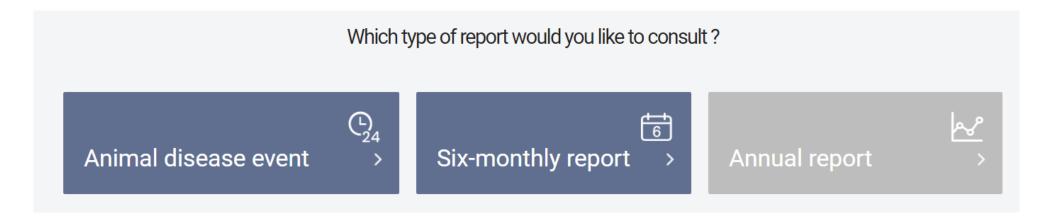
World Animal Health Information System

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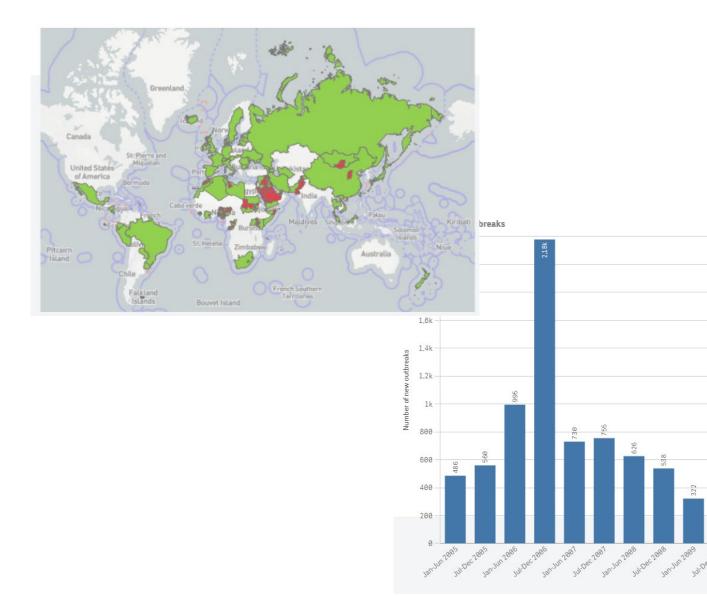






T	Events management	See on the map

	Country	Report number	Disease	Genotype/ Serotype/ Subtype	Reason	Start date	Report date	4):
	Austria	IN	Influenza A viruses of high pathogenicity (Inf. with) (non-poultry including wild birds) (2017-)	H5N1	Recurrence of an eradicated disease	2022/11/07	2022/11/10	Ø	
	Italy	IN	Infectious haematopoietic necrosis virus (Inf. with)		Recurrence	2022/10/07	2022/11/10		•••
	Hungary	FUR_57	African swine fever virus (Inf. with)		Recurrence of an eradicated disease	2021/08/29	2022/11/09		•••







. Dec



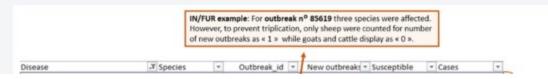
Year Q	Semester Q	Region	Q	Country			Q	Disease				Q	Animal catego	ory Q			Oct	curence co	de Q I	Disease st	tatus		
2022	Jul-Dec-2022	Africa		Burkina Faso				Anthrax					Domestic		Disease limited to	one o	or more zones		1	Present			
2022	Jul-Dec-2022	Africa		Congo (Dem. Re	ep. of the)			Anthrax	Anthrax				Wild		Disease limited to one or more zones				1	Present			
2022	Jul-Dec-2022	Africa		Liberia				Anthrax					Domestic Disease limited to one or r				or more zones Prr				Present		
2022	Jul-Dec-2022	Africa		Sierra Leone				Anthrax					Domestic		Disease limited to	one	or more zones		1	Present			
A	В	с		D	E	F		G	н	1	J	1	к	L	м	1	N	0	Р		Q		
Year	Semester	World region	Country	Admin	istrative D	iv Disease	Serotyp	pe/Subtype/	Animal Category	Species	Outbreak_id	Ne	ew outbreaks	Susceptible	Cases	,	illed and dispose Slaughte	ered	Deaths	V	accinated		
2	2005 Jul-Dec 2005	Africa	Angola	Huila		Anthrax	-		Both animal categ	pi -	-			5 -		-	-		•	-			
	2005 Jul-Dec 2005	Africa	Angola	Huila		Anthrax	-		Domestic	Cattle	-			167	255	25	0	0		25	167 230		
1	2005 Jul-Dec 2005	Africa	Botswana	a Jwane	ng (2005-2	0: Anthrax	•		Both animal categ	pi -	-			1 -		-	-		1 .	-			
5	2005 Jul-Dec 2005	Africa	Botswana	a Jwane	ng (2005-2	0 Anthrax	+		Wild	Wildlife (species	L-				700	2	0	0		1	0		
5	2005 Jul-Dec 2005	Africa	Botswana	a Kasan	e (2005-20	1 Anthrax	-		Both animal categ	pi-	-			1 -		-	-		-	-			
	2005 Jul-Dec 2005	Africa	Botswana	a Kasan	e (2005-20	1 Anthrax	-		Wild	Wildlife (species	L-				500	2	0	0		1	0		
3	2005 Jul-Dec 2005	Africa	Burkina F	Faso Burkin	a Faso	Anthrax	-		Both animal categ	pi -	-			6 -	+	-	-		-	-			
2	2005 Jul-Dec 2005	Africa	Burkina F	Faso Burkin	a Faso	Anthrax	•		Domestic	Cattle	-				289	13	0	0		13	0		
0	2005 Jul-Dec 2005	Africa	Burkina F	Faso Burkin	a Faso	Anthrax	10		Domestic	Sheep	-	+			2	2	0	0		2	0		
1	2005 Jul-Dec 2005	Africa	Cameroo	n Adama	soua	Anthrax			Both animal cate;	pi -	-			1 -	-	-			50.	-			
2	2005 Jul-Dec 2005	Africa	Cameroo	n Adama	soua	Anthrax			Domestic	Cattle	÷				58	2 -				2 -			
3	2005 Jul-Dec 2005	Africa	Cameroo	n Littora	d.	Anthrax			Both animal categ	pi -	•			1 -	1.5.1	-	-		•	-			
4	2005 Jul-Dec 2005	Africa	Cameroo	n Littora	il.	Anthrax			Domestic	Cattle					29	1 -	•			1 -			
5	2005 Jul-Dec 2005	Africa	Chad	Batha		Anthrax	20		Both animal categ	pi -	2			1 -	+	-	-		22	-			
6	2005 Jul-Dec 2005	Africa	Chad	Batha		Anthrax			Domestic	Cattle					13	2 -	•			1 -			
7	2005 Jul-Dec 2005	Africa	Chad	Chari-	Baguirmi	Anthrax	20		Both animal cates	N -	12		10	3 -	-		1. C		20				

English :

The export file draws from two possible data sources. The source can be identified by looking at the "Outbreak_id" column: a blank field means it comes from Six-monthly reports (SMR) while a non-blank field indicates the record comes from an immediate notification or follow-up report (IN/FUR).

The display of information varies slightly according to the data source. To avoid duplication of outbreaks in IN/FUR, only one species in an outbreak contains the "new outbreak" count while the rest show "0". This does not affect the summation of outbreaks nor the other quantitative data (Susceptible, Cases, etc.)

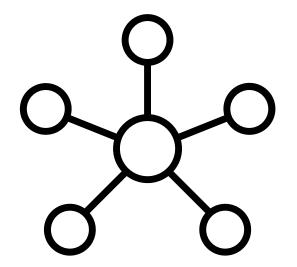
See image below for examples.

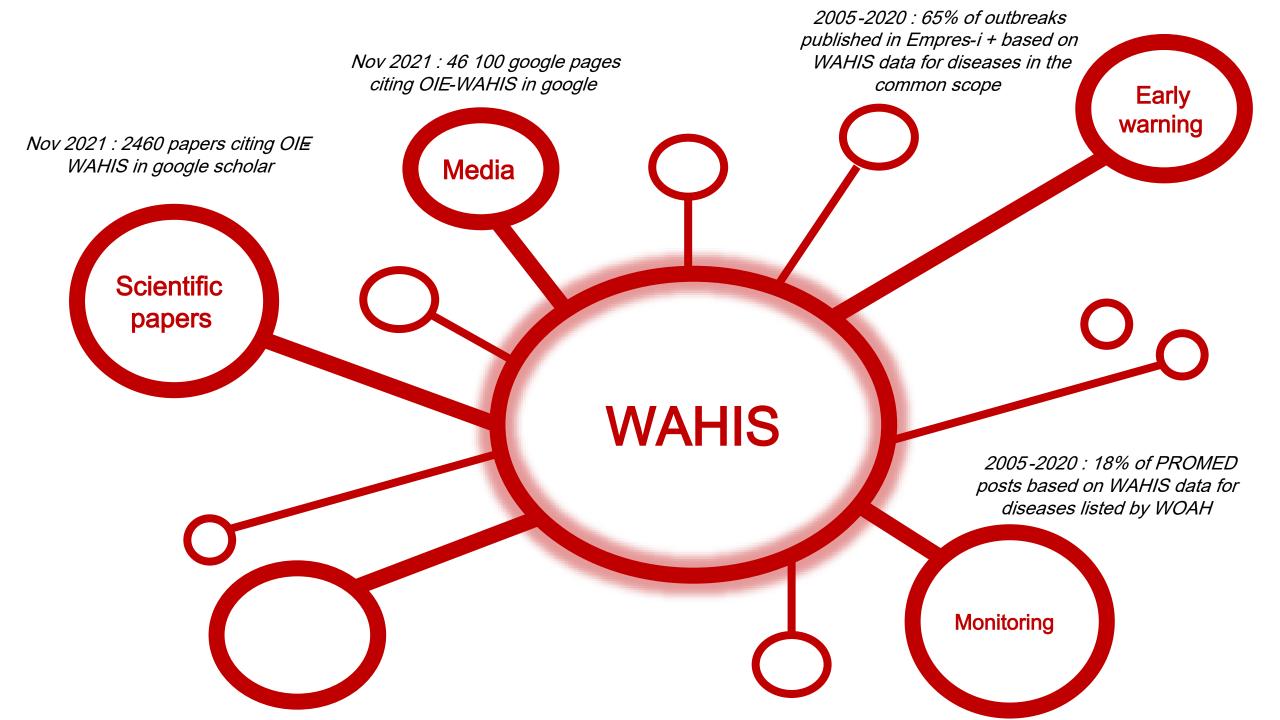


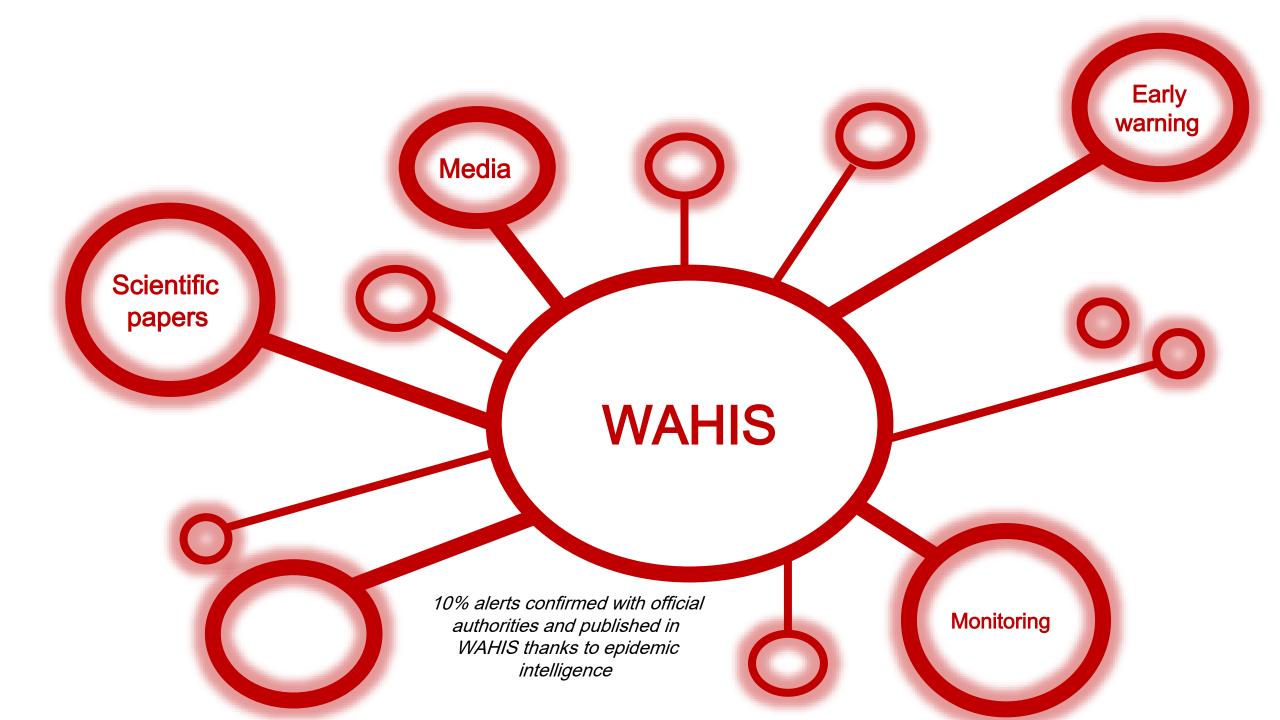
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- Systems have different scopes, processes this results in specific limitations and added values
- Best picture of the reality obtained by crossing databases
- WAHIS is an essential source of information for other systems (the impact of our work goes beyond direct users)
- Other systems are of primary importance for crosschecking information received through WAHIS
- Data exchange also essential for analysis and informing decision makers













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- 25 - RESOLUTION No. 26 Combating Antimicrobial Resistance and Promoting the Prudent Use of Antimicrobial Agents in Animals			- 1 - RESOLUTION No. 36 Combating Antimicrobial Resistance through a One Health Approach: Actions and OIE Strategy	
7. The network the debain 8. The importa with OIE a covering protection tervet. 9. The importa	nt Use of in Animals" a procedure and quality for collecting data Member Countries on obial agents in food- with the aim of creating	000 1. 2. 4. 4. 6. 7. 8. 9.	 Resolution 36 "Combating AMR through a One Health Approach: Actions and OIE Strategy" The OIE actions to be compiled and consolidated within the OIE Strategy on antimicrobial resistance include: The establishment and the management of a database for the collection of data on the use of antimicrobial agents in animals as well as the development of interpretation indicators 	(Excel)
Paris 24-29 nayma mar	AMU Terrestrial Health (• Chapter 6.9. Monitoring quantities a patterns of antimicrobia used in food	Animal Code of the nd usage al agents	stionnaire Based on Aquatic Animal Health Code • Chapter 6.3. Monitoring of the	Image:

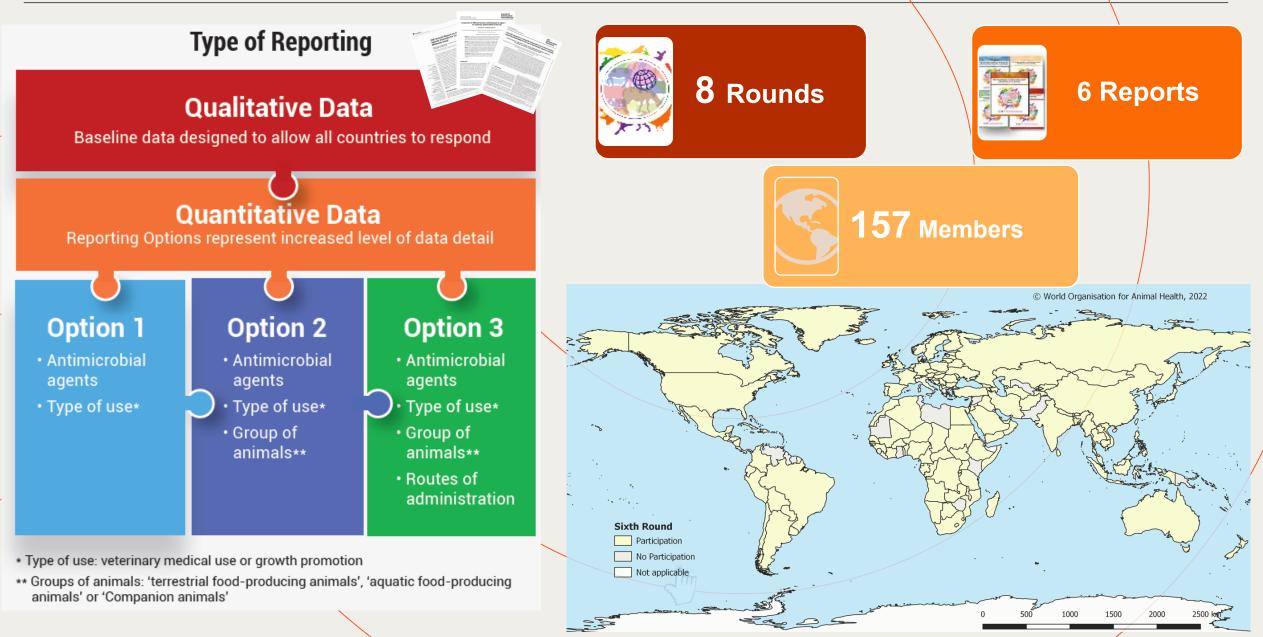
producing animals

17

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animals

Global database on antimicrobial agents intended for use in animals

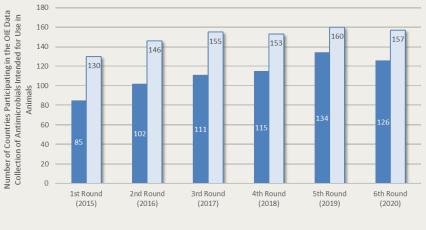


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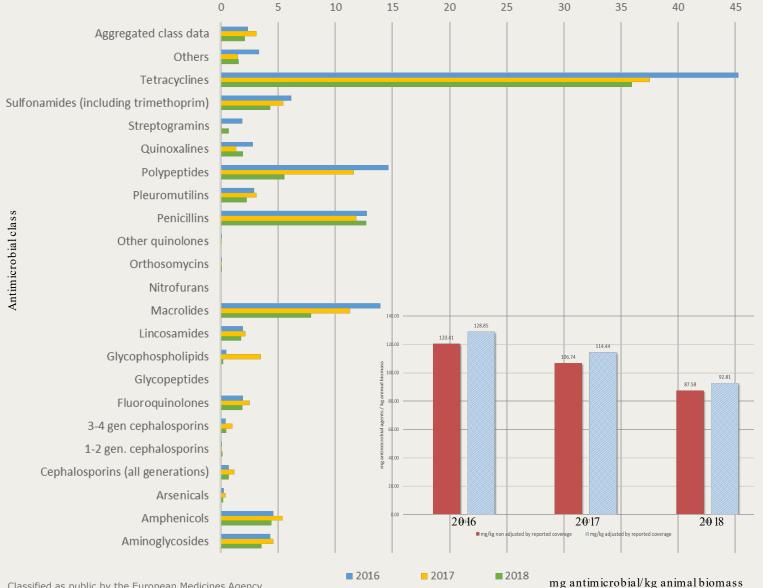


Quantitative Data Total of participation



■ Reporting Option 3 ■ Reporting Option 2 ■ Reporting Option 1

Trends on Time for the Global Quantities of Antimicrobial Agents Intended for Use in Animals Based on Data Reported by 72 Countries from 2016 to 2018, Adjusted by Animal Biomass (mg/kg)



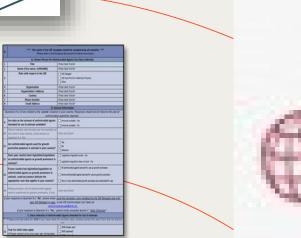
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Antimicrobial class





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.



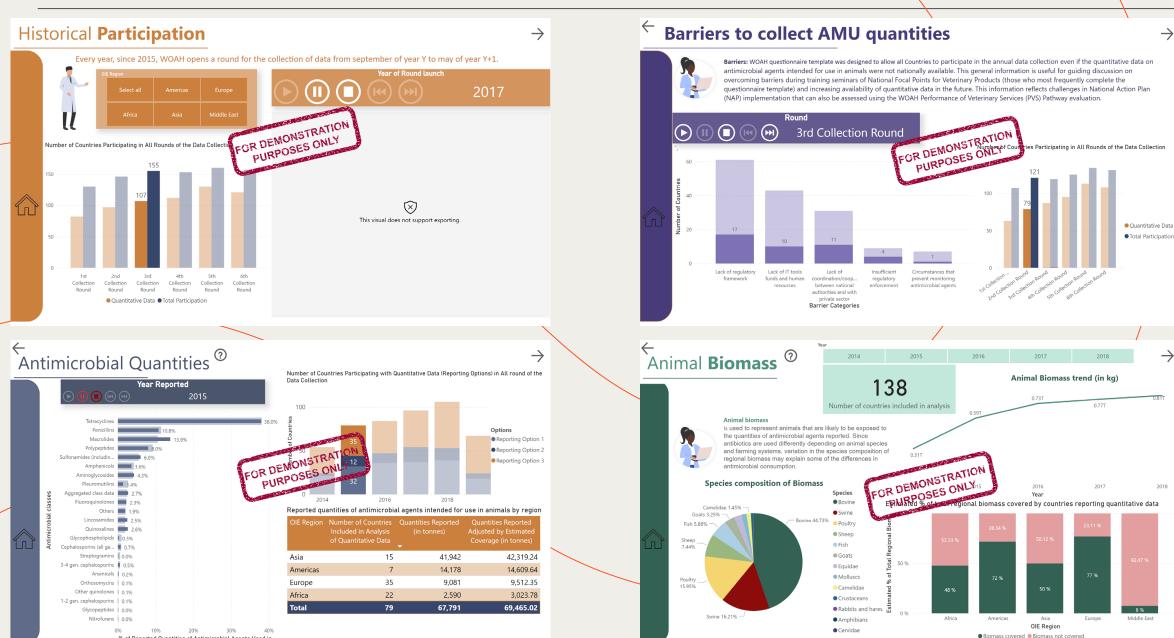
nimal Antimicrobial Use



Discover the ANIMUSE global dotabase today

amu.woah.org

ANIMUSE Highlights – Public Data Dashboards: amu.woah.org



[%] of Reported Quantities of Antimicrobial Agents Used in ..

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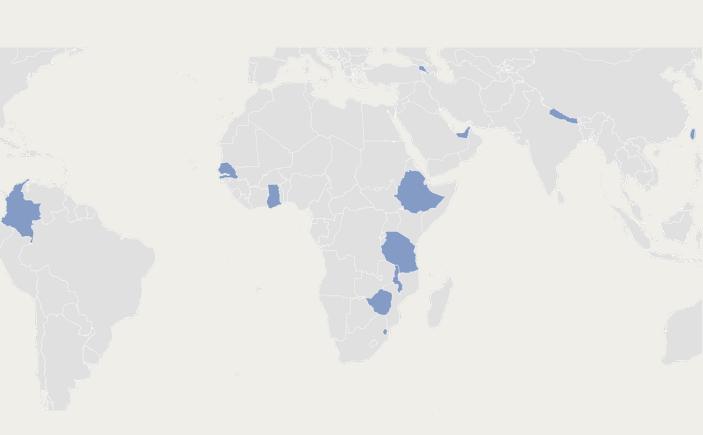
Concept SFVP project

) Information & alert system for SFVPs

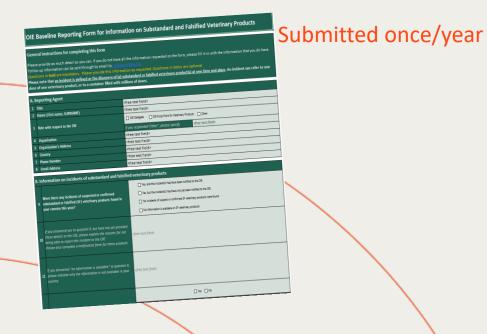


Pilot Phase – Goals:

- Information on the in-country situation related to VP quality
- WOAH Members' feedback on the data collection tools for their refinement towards an on-line tool

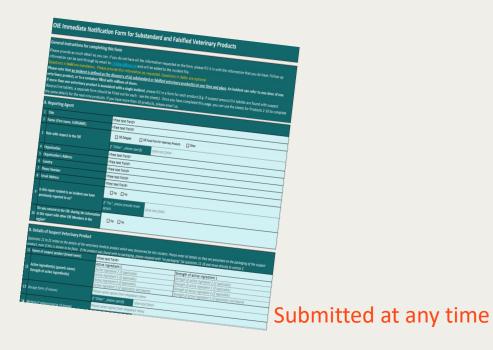


Baseline Questionnaire & Immediate Notification Form



Information on the current status and management of veterinary product quality in the country

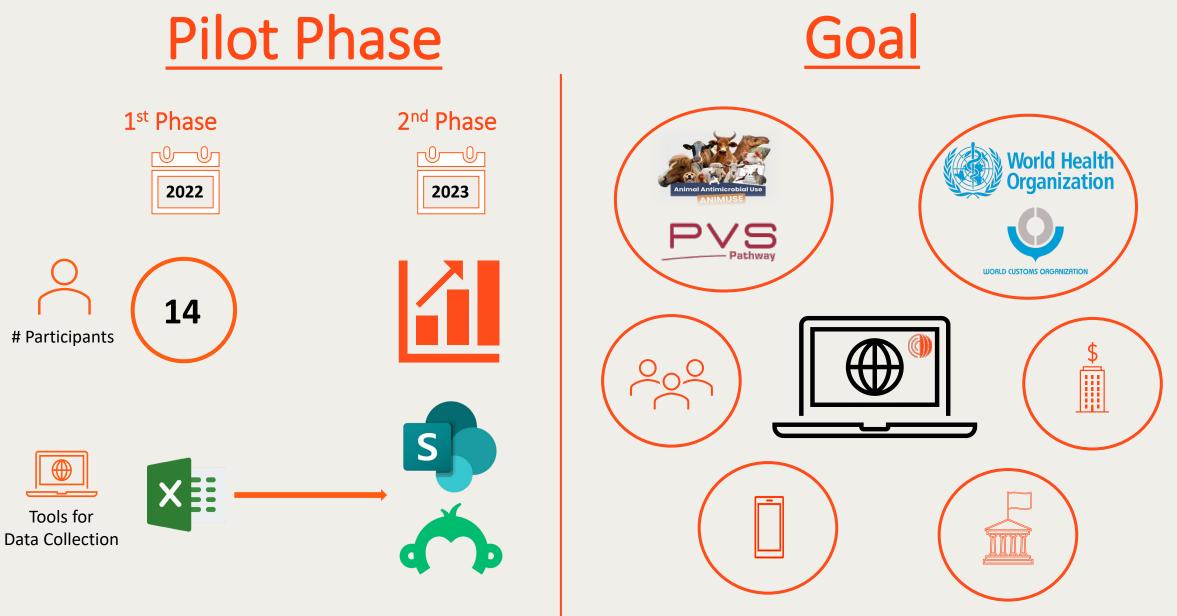
- Authority for registration, authorization, surveillance of VPs
- Database of registered VPs in the country
- Legislation for sampling market, recalls for VPs
- Surveillance system
- Access to a laboratory
- Cooperation/coordination with other countries
- Traceability system for VPs



Notify any suspect SFVP to WOAH Basis of regional alerts

- General information as stated in the packaging / label
- Quantities
- Date and place of discovery
- Reasons of suspicious
- Photograph available
- Laboratory testing conducted
- Any Regulatory action put in place

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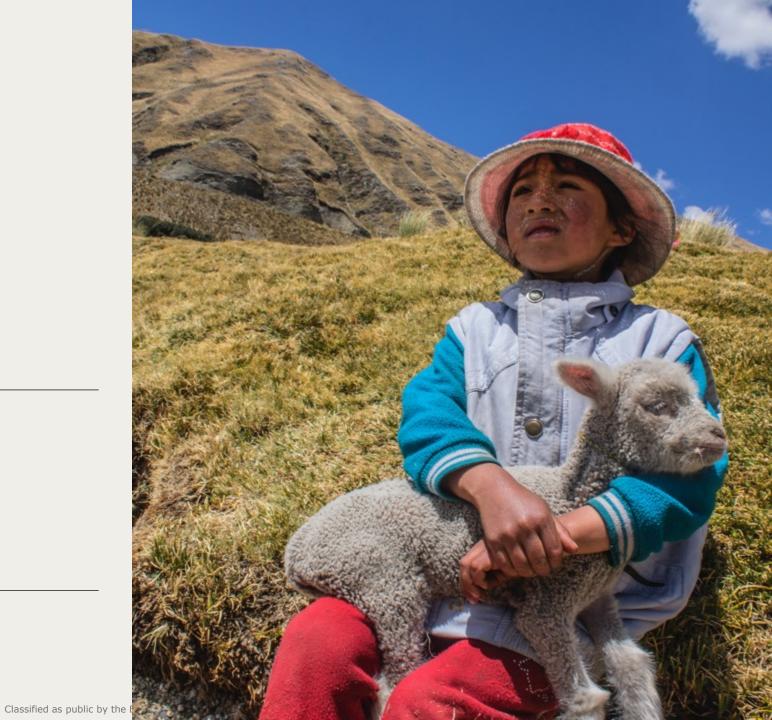


- WOAH 7th Strat Plan 2025 2021 2
- WOAH digital transformation as part of WOAH Data Strategy
- With official validated information provided by WOAH Members, WAHIS re-enforces its role as the reference database for animal diseases (including and zoonotic diseases)
- WAHIS data gains value throughinterconnection and combination with other external data
- **Public interconnectivity** to be developed in the coming months
- ANIMUSE is themost comprehensive global database on animal antimicrobial use up -to-date, providing real and comparable data over time and across regions
- Successful WAHIS & ANIMUSE digitalization leads the development of a digital global information & alert system for substandard & falsified veterinary products to cover WOAH Member's needs

Takya

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World Organisation for Animal Health Founded as OIE Organisation Organización mondiale Mundial de la santé de Sanidad animale Animal Fondée en tant qu'OIE Fundada como OIE