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World
Organisation
for Animal
Health
Founded as OIE

Organisation mondiale de la santé animale Organización Mundial de Sanidad Animal Fundada como OIE



General objectives

- ➤ Present WOAH's work to assess and improve disease reporting at regional level (also at global).
- ➤ Raise awareness of key deliverables for the 'Supporting early threat warning project under WOAH 7th Strategic Plan, funded by the Australian Department of Agriculture, Fisheries and Forestry (DAFF).
- ➤ Highlight impacts of the project at the regional level (i.e., that it's a pilot project, if successful could be extended to other regions).



Section 1: Introduction to WOAH active search activity and on completeness and timelines project

Section 2: Supporting early threat warning in Asia: Australian supports to the implementation of WOAH 7th Strategic Plan - background & objective

Section 3: Progress and future outcomes

Section 4: Gap analysis of disease reporting and detection in Asia-Pacific region

Section 5: Proposed actions based on identified gaps in the analysis report

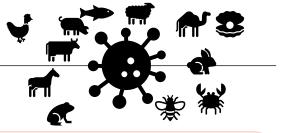


Section 1

Introduction to WOAH active search activity and on completeness and timelines project



Mandate of WOAH for disease reporting



Almost 100 years ago

Intergovernmental organisation ensuring transparency of the global animal disease situation - founding Members committed themselves to the legal obligation to report

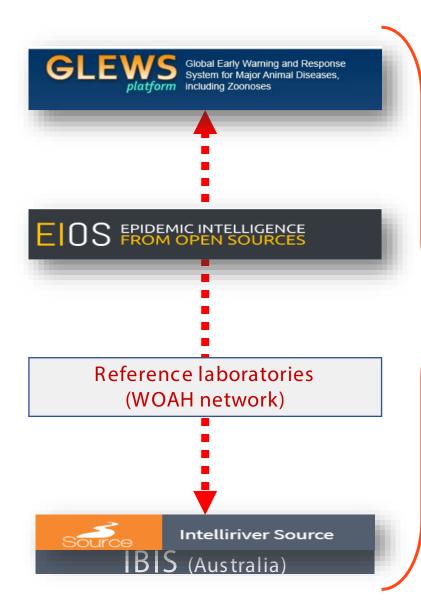
20 years agg

International acknowledgment that official information alone is not sufficient, Members provided WOAH with mandate to conduct epidemic intelligence using other sources to support Members

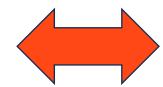
Up to now

183 Members have progressively joined and committed to this obligation and these principles









WOAH verifies with Members

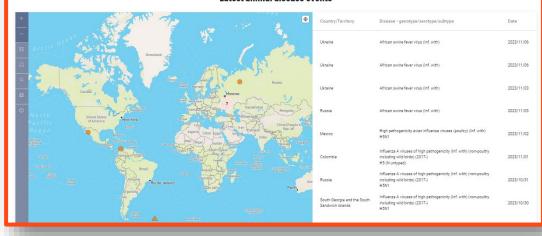
WAHIS: World Animal Health Information System

WAHIS is the global animal health reference database of the World Organisation for Animal Health (WOAH), WAHIS data reflects the validate information since 2005 reported by the Veterinary Services from Member and non-Member Countries and Territories on terrestrial and aqual Listed diseases in domestic animals and wildlife, as well as on emerging diseases and zoonoses.

WAFIIS includes interactive mapping tools and dashboards to support data consultation, visualization and extraction of officially validated an health data.



Latest animal disease events





Completeness and timelines project

Evaluate notification performance

Completeness

Completeness of WAHIS for selected listed diseases

Timeliness

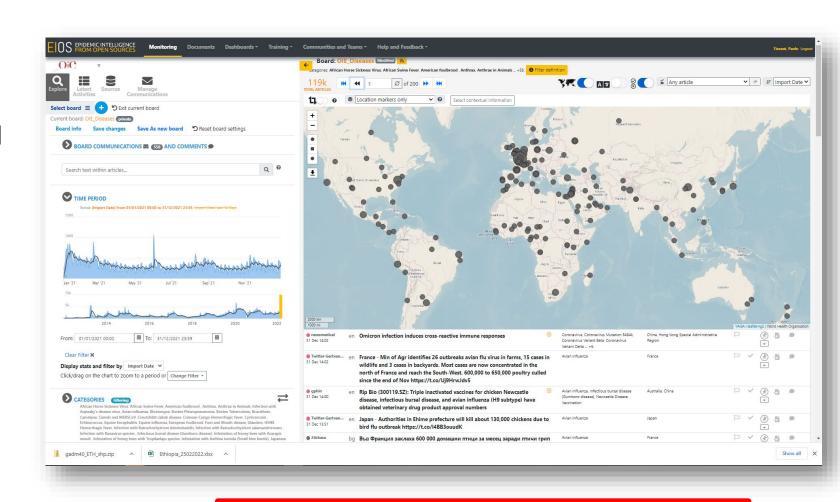
Submission time (immediate notifications, follow-up reports and six-monthly reports)

Assign scores to countries / territories based on their global submission time

Assess the need for actions (WOAH or Members) to improve identified gaps

EIOS system – key figures

- Used since end 2017
- Daily screening of the web for all listed and emerging diseases
- 15,000 sources
- 500 disease categories
- 15 languages
- 100,000 150,000 news / year
- Communication between WOAH and Members







Section 2

Supporting early threat warning in Asia: Australian supports to the implementation of WOAH 7th Strategic Plan - background & objective



Background

OIE Seventh Strategic Plan for the period 2021–2025



One of WOAH 's missions: to ensure transparency of the animal disease situation worldwide.

To meet this objective, WOAH collects official notifications of animal diseases from its Members and disseminates the information to the international community.

Title: Supporting early threat warning project for WOAH 7th Strategic Plan funded by the Australian Department of Agriculture, Fisheries and Forestry (DAFF).



Aim: to promote transparency in disease reporting and sharing.

Objective: to strengthen WOAH's early warning systems in Asia and the Pacific region through intelligence-gathering, active search activity (rumour tracking), and information sharing.

Target countries: WOAH Members in Asia and the Pacific region.

Components:

- 1. Intelligence gathering gap analysis, consultancy
- Asia-Pacific rumour tracking
- 3. Development & implementation of a strategy information sharing



How will we achieve the objective?

Intelligence gathering

Gap analysis report

Study (consultancy) to identify barriers and incentives to disease notifications

Active search activity (rumour tracking)

Active Search team for Asia - Pacific

WOAH EIOS expansion initiative (rumour tracking)

Information sharing (next step)

Rumour tracking for Asia-Pacific networking

Establishment of local contacts

Trainings



Section 3

Progress and future outcomes

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Progress & future outcomes

supporting early threat warning

Gap analysis report

WOAH EIOS expansion initiative will soon be completed: Phases I, II, III

Assessing and improving the quality of disease notification to WOAH: Asia-Pacific experience in

WOAH regional website for rumour tracking

Training tailored to Members' needs: to disseminate information & implement action plans



Mar 2023

Active Search

team for Asia-

Pacific formed

Study to identify

in AP region

(consultancy)

to disease notification

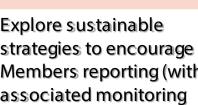
Nov 2023



Establishment of local contacts: barriers and incentives explore ways of exchanging information &

Jan 2024

alerts effectively





(next step)

Explore sustainable strategies to encourage Members reporting (with associated monitoring and evaluation activities)



Section 4

Gap analysis of disease reporting and detection in Asia-Pacific region



Gap analysis

Objective

Evaluate current animal disease detection capacity in Asia-Pacific region and identify areas for improvement

Data sources

- ✓ WAHIS: statistics on disease reporting
- ✓ WOAH active search: statistics on country transparency
- ✓ EIOS: statistics on rumour detection capacity



Gap analysis

Indicators

- Countries reporting performances through the Early Warning System (immediate notifications)
- Countries reporting performances through the Monitoring System (six-monthly reports)
- Country response to WOAH request for unreported events
- EIOS ability to detect unreported disease events

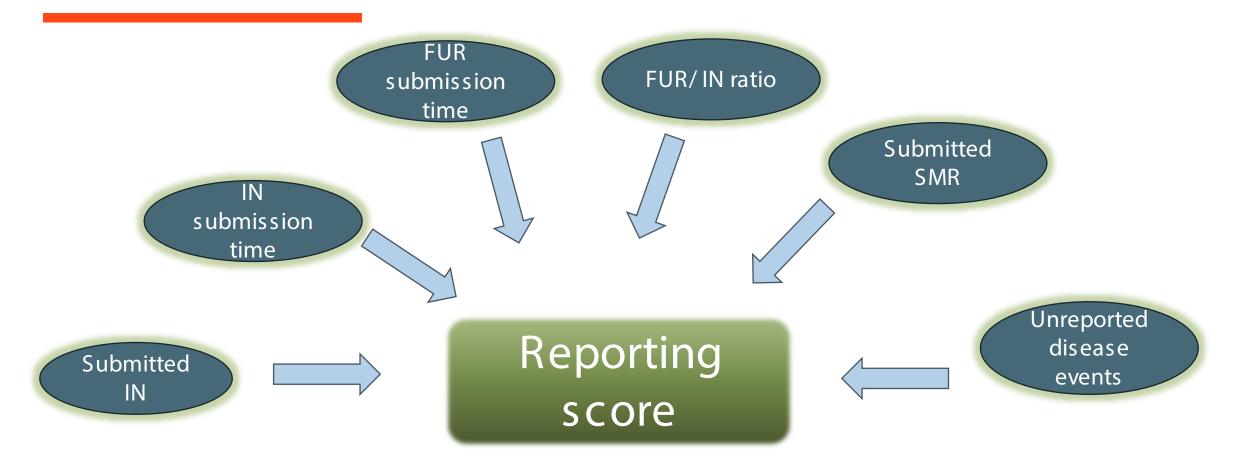
Reporting score

Detection score





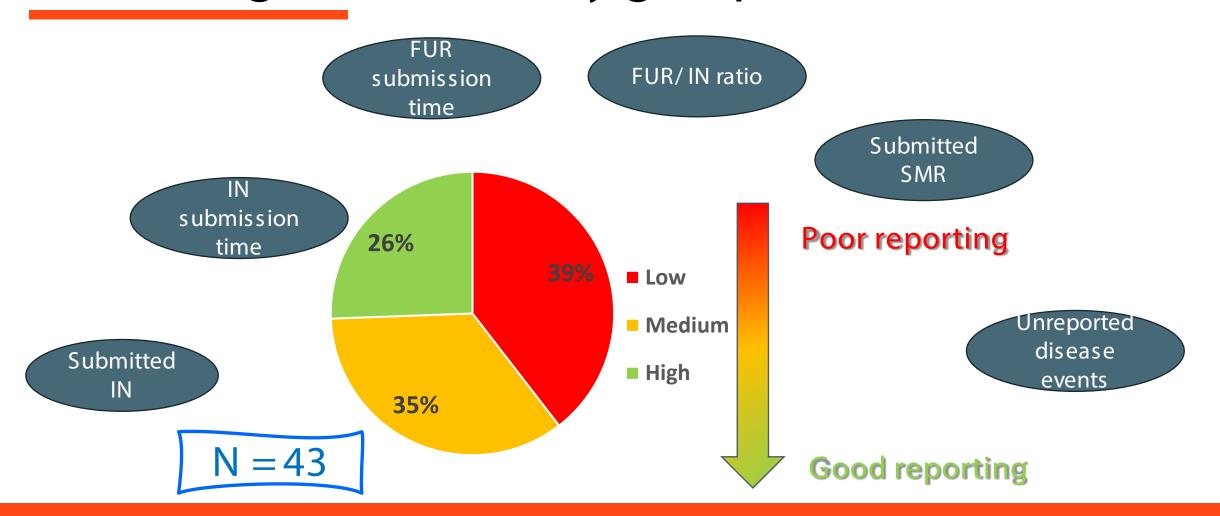
Indicators







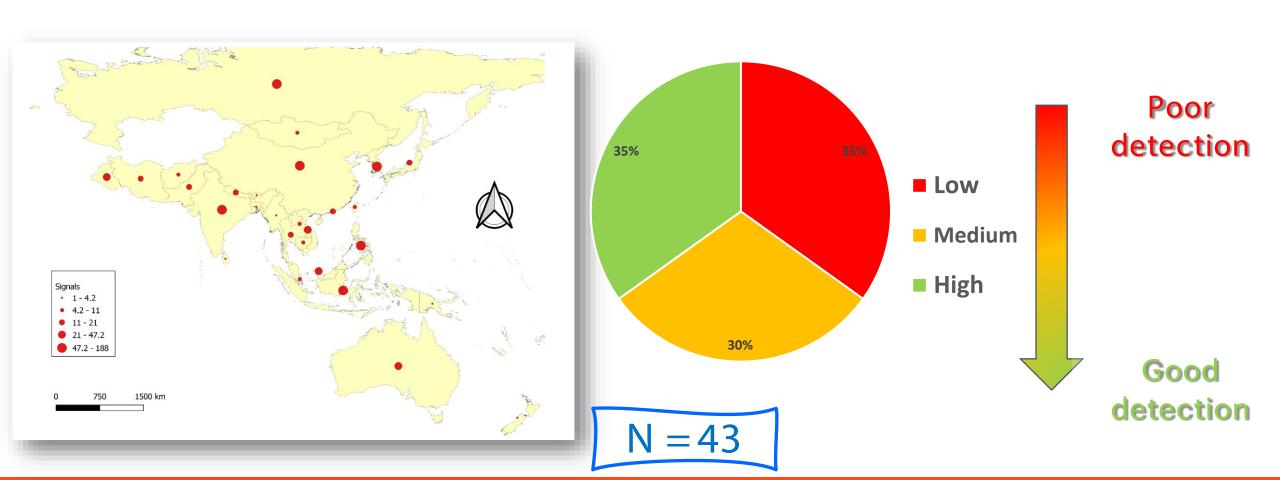
Percentage countries by group





Indicators and groups

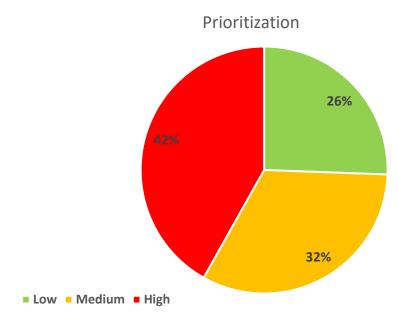






Combining reporting and detection scores

		Detection capacity score		
		Low	Medium	High
Reporting country score	Low	High	High priority	Medium
		priority		priority
	Medium	High	Medium	Medium
		priority	priority	priority
	High	Low	Low priority	Low priority
		priority		



Transparency: high --> low priority

Transparency: medium --> medium priority except when

detection is low and then priority high...

$$N = 43$$

11 "low priority", 14 " medium priority" 18 " high priority".



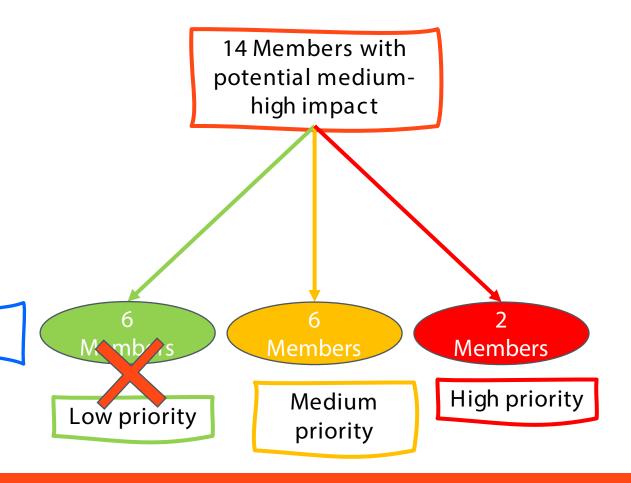
Further refining of the prioritis ation

N = 8

<u>Including impact assessment</u>

Data sources

- ✓ Animal population
- ✓ Country size
- ✓ Animal population density
- ✓ Geographic isolation
- Number of trading partners





Gap analysis – main findings

Reporting highlights

- 80% of IN since 2005 submitted by 10 Members and non-Members
- IN submission time = 15 days (median)
- FUR submission time = 67 days (median)
- Only 28% of the Members and non-Members submitted all the SMR required
- Most of the IN (70.4%) related to three diseases only: ASF, AI, FMD

Dedicated efforts to improve reporting

Detection highlights

- EIOS detected news for only 65% of the Members and non-Members
- 60% of the news detected in five Members
- Globally EIOS detected relevant signals for 29 diseases
- 78% of signal detected for only 6 diseases

Needs to improve ability to detect rumours



Section 5

Proposed actions based on identified gaps in the analysis report



Proposed actions

For WOAH (at the regional)

- 1) To improve detection/reporting
 - a. using gap analysis with a country-specific approach
 - identify factors related to detected gaps and propose actions to reduce the impact
 - c. constantly monitor efficacy of the rumour tracking activity.
- 2) To support countries/territories
 - a. tailored to individual (identified) needs
 - encourage disease reporting and quality data sharing
 - c. develop materials to raise awareness on the importance of transparency and limiting gaps
 - d. facilitate, and encourage creation of event-base surveillance system at country level.
- 3) To improve communication
 - a. promote regional networking
 - establish a secure and efficient channel to communicate on rumour tracking findings with countries/territories

For countries/territories

-) To improve detection/reporting
 - tackle and prioritise main gaps identified from the project to improve disease detection and reporting
 - support WOAH in sharing local sources to be integrated in the EIOS system
 - c. ask guidance from WOAH to facilitate national event base surveillance systems
- 2) To improve communication
 - a) networking with other countries/territories and be a champion in promoting benefits of being transparent in disease reporting
 - b) disseminate and share with countries/territories examples of impact and consequence of early detection, sharing and reporting of disease events (both positive and negative effects)
 - improve the timeliness and efficiency in communication with WOAH for request of clarifications on rumour tracking activity



Proposed actions

For EIOS system

- 1) To improve detection/reporting
 - a. improve detection capacity for priority countries & diseases
 - b. increase detection algorithm scope including local languages to cover priority areas
 - c. increase local sources that feed information in EIOS from priority areas

Expected impacts

- Improve WOAH capacity to monitor undetected events at regional level (i.e., improve sensitivity and specificity of the EIOS system).
- 2) Improve sensitivity of WAHIS system.
- 3) Improve the trust in WAHIS data.
- 4) Promote country responsiveness & awareness of the importance of reporting.
- 5) Reduce delays in disease sharing and reporting.

A pilot project to detect early warnings in Asia-Pacific - could be extended to other regions if successful (a model).

Thank you

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