

Project background



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 participants: WOAH Members and territories in Asia and the Pacific region.

Components:

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

Improving disease notification to WOAAH: Asia-Pacific in supporting early threat warning (active search activity) - funded by DAFF, Australia

World Organisation for Animal Health | WAHIS

Analytics Reports WAHIS 71 EN FR ES

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 validated information since 2005 reported by the Veterinary Services from Member and non-Member Countries and Territories on terrestrial and aquatic Listed diseases in domestic animals and wildlife, as well as on emerging diseases and zoonoses.

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

Latest animal disease events

Country/Territory	Disease - genotype/serotype/subtype	Date
Ukraine	African swine fever virus (Inf. w/ht)	2024/06/12
Hong Kong	Lumpy skin disease virus (Inf. w/ht)	2024/06/11
Moldova	African swine fever virus (Inf. w/ht)	2024/06/11
South Africa	Rabies virus (Inf. w/ht) RABV	2024/06/11

3 Triage

Sort information according to relevance

Relevant Report

- Immediate Notification
- 6m 6 monthly report
- 12m Annual report Voluntary report Wildlife
- Irrelevant information

Action

- Contact the Delegate of the country
- Archive for routine reporting purposes
- Discard

Official confirmation by Delegate OR Denial by Delegate

4 ACTIVE SEARCH PROCEDURE APPLIED BY WOAAH

- 1. Search and identification**
Perform WAHIS specific queries in EIOS to identify signals of potential interest.
- 2. Authentication**
Evaluate the credibility of the sources and accuracy of the information.
- 3. Triage (Confirmation or Denial)**
Sort information according to relevance - i.e. relevant reports.
Official confirmation or denial by Delegates.
- 4. Immediate notification**
Immediate notification published by WOAAH.

WAHIS – at global

- **WAHIS**, a global database for official animal health information – maintains by WOAAH
- Since 2005, WAHIS tracks diseases for domestic animals, wildlife & zoonoses diseases.
- WAHIS offers interactive tools for users to explore, visualise & download validated animal disease data.

Active search activity – at WOAAH regional level

- Early 2024, Asia-Pacific team tracks rumors related to animal diseases and creates weekly summaries of this information, for internal dissemination within WOAAH.
- Epidemic Intelligence from Open Sources (EIOS) - WHO's EIOS initiative uses open-source data to speed up detection and response to public health emergencies.

The active search process at Asia-Pacific

Data collection

The active search team for Asia-Pacific gathers information from thousands of online resources (i.e., news articles, social media, official reports) through EIOS. This activity is conducted twice weekly on Tuesday and Thursday through its digests.

Analysis

The team analyses this data to identify potential disease event of interest and assess their risks.

Communication

The team disseminate this information internally to raise awareness and enable informed responses if needed. Relevant news is then shared with the active search team in WAHIAD for clarification with Members/territories. If needed, based on the detected news signals, Members will submit official notifications to WAHIS.

4 ACTIVE SEARCH PROCEDURE APPLIED BY WOAAH



EIOS – key figures



Daily screening of the web for all listed and emerging diseases

15,000 sources

500 disease categories

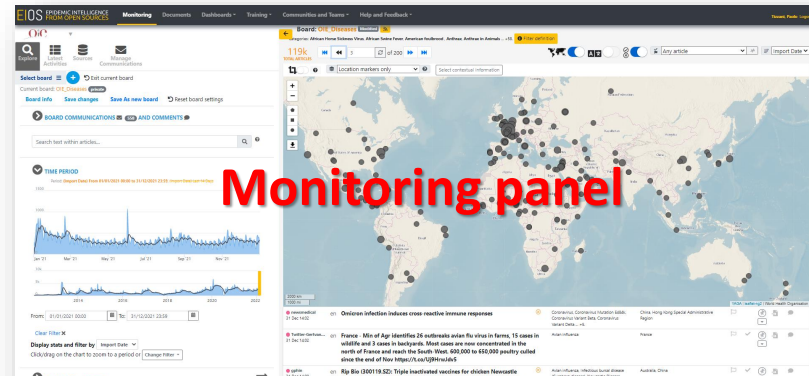
15 languages

100,000 – 150,000 news/year

Communication between WOAHA and its Members

The screenshot displays the EIOS monitoring interface. At the top, it shows the 'Monitoring' section with navigation options like 'Documents', 'Dashboards', 'Training', 'Communities and Teams', and 'Help and Feedback'. The main content area is titled 'Board: OIE_Diseases' and shows '119k TOTAL ARTICLES'. A world map is visible with numerous black location markers indicating disease occurrences. Below the map, there is a 'TIME PERIOD' section with a line graph showing activity from 2014 to 2022. The bottom part of the dashboard lists several news articles, including: 'Omicron infection induces cross-reactive immune responses', 'France - Min of Agr identifies 26 outbreaks avian flu virus in farms, 15 cases in wildlife and 3 cases in backyards. Most cases are now concentrated in the north of France and reach the South-West. 600,000 to 650,000 poultry culled since the end of Nov', 'Rip Bio (300119.5Z): Triple inactivated vaccines for chicken Newcastle disease, infectious bursal disease, and avian influenza (H9 subtype) have obtained veterinary drug product approval numbers', and 'Japan - Authorities in Ehime prefecture will kill about 130,000 chickens due to bird flu outbreak'. The interface also includes search bars, filters, and a 'Show all' button.

WOAH epidemic intelligence activity using EIOS



EIOS fosters a global public health intelligence collaboration, uniting stakeholders and leveraging open-source data for early detection and response to public health threats under a One Health, all-hazards approach. WHO leads this multi-stakeholder initiative under its Health Emergencies Programme. As a global collaboration, the EIOS initiative is governed by a Coordination Group with representatives from various organisations; **WOAH** is one of the organisations.

CATEGORIES
All OIE Categories (473 of 473)

Any of these selected categories

- All OIE Categories (473 of 473 categories selected)
 - Animal Related (3 of 3 categories selected) 9.8k ✓
 - Biological (144 of 144 categories selected) 26.4M ✓
 - Chemical (76 of 76 categories selected) 132k ✓
 - Disasters (11 of 11 categories selected) 140k ✓
 - Diseases From J-Q (1 of 1 categories selected) 3.07k ✓
 - Health Systems (6 of 6 categories selected) 142k ✓
 - Immunity (4 of 4 categories selected) 10.9k ✓
 - Measures (6 of 6 categories selected) 0 ✓
 - Nuclear (4 of 4 categories selected) 776 ✓
 - Outcomes (7 of 7 categories selected) 987k ✓
 - Populations (12 of 12 categories selected) 296k ✓
 - Product Safety (1 of 1 categories selected) 0 ✓
 - Symptoms (16 of 16 categories selected) 190k ✓
 - zAll Hazards Threats (optional) (182 of 182 categories selected) 909k ✓

Combine more selected categories in (AND)

- Biological (144 of 144 categories selected) 51.7M ✓
- Mass Gathering (6 of 6 categories selected) 201k ✓
- Infection with Batrachochytrium salamandrivorans 82 ✓
- Abrin 452 ✓
- African swine fever 56.3k ✓
- Alcelaphine herpesvirus 1 and ovine herpesvirus 2 1 ✓
- American foulbrood 134 ✓
- Anthrax 23.2k ✓
- Anthrax in animals 4.75k ✓
- Argentine Hemorrhagic Fever 775 ✓
- Aujeszky's disease 1.25k ✓
- Avian influenza 272k ✓
- Babesiosis 3.2k ✓
- Baylisascaris 87 ✓
- Bluetongue 3.16k ✓
- Borrelia 238 ✓
- Bovine Tuberculosis 4.93k ✓
- Brucellosis 22.5k ✓
- Camelpox 123 ✓
- Cerebral venous sinus thrombosis 13.6k ✓
- Cholera: 121k ✓
- Chronic Wasting Disease 318 ✓
- Classical swine fever 70.4k ✓
- Clostridium 29.9k ✓

EIOS Daily Digest - 10/06/2022

Paolo Tizzani
To: Paolo Tizzani

EIOS EPIDEMIC INTELLIGENCE FROM OPEN SOURCES World Organisation for Animal Health

EIOS Daily Digest
From: Tizzani, Paolo (p.tizzani@woah.org)
To: WHO staff and other international One Health teams
Date: 09/06/2022 - 10/06/2022

This news corresponds to signals collected from the Media in different countries, and do not represent official notifications. OIE official notifications are available in OIE-WAHIS: <https://wahis.woah.org/#/events?viewAll=true>

Highlights of the day:

Country	Disease
Brazil	Glanders
Congo (Dem. Rep. of the)	Plague
Croatia	Avian influenza
Hong Kong (SAR - PRC)	African swine fever
Hungary	Avian influenza
Indonesia	Foot and mouth disease
Italy	African swine fever
Kazakhstan	Anthrax
Paraguay	Leishmaniasis
Tunisia	Foot and mouth disease
United states of America	Avian influenza in foxes
Global	Increasing spread animal diseases
Caribbean	Coral disease in the Caribbean

This Update is not for circulation outside of the distribution list. Thank You.

A world map with red dots indicating disease hotspots. A legend at the bottom left shows a color scale for cases, ranging from 0 to 10.