

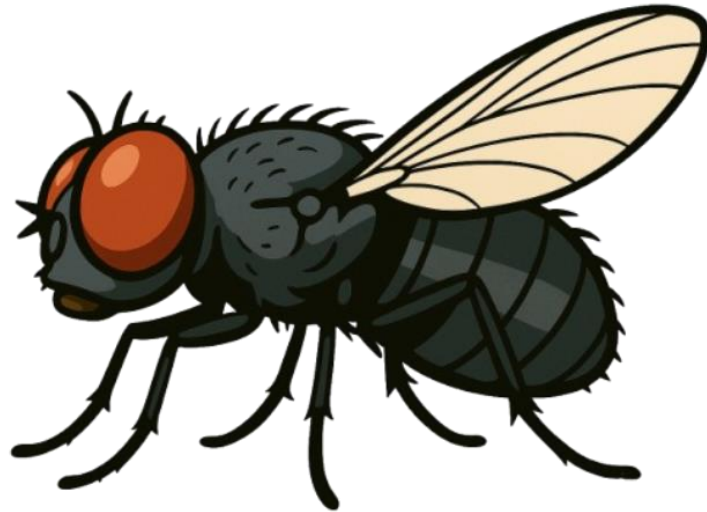


Food and Agriculture
Organization of the
United Nations



World Organisation
for Animal Health

Regional Epidemiological Situation of NWS



Tizzani Paolo

Data Integration Department – World Organisation for Animal
Health



GF-TADs

GLOBAL FRAMEWORK FOR THE
PROGRESSIVE CONTROL OF
TRANSBOUNDARY ANIMAL DISEASES

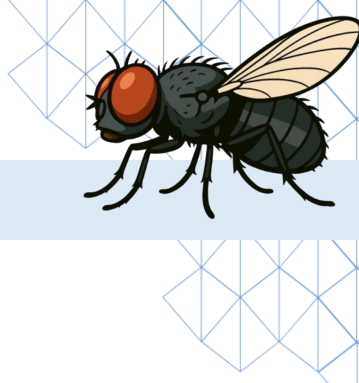


Food and Agriculture
Organization of the
United Nations

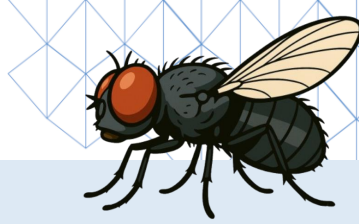


World Organisation
for Animal Health

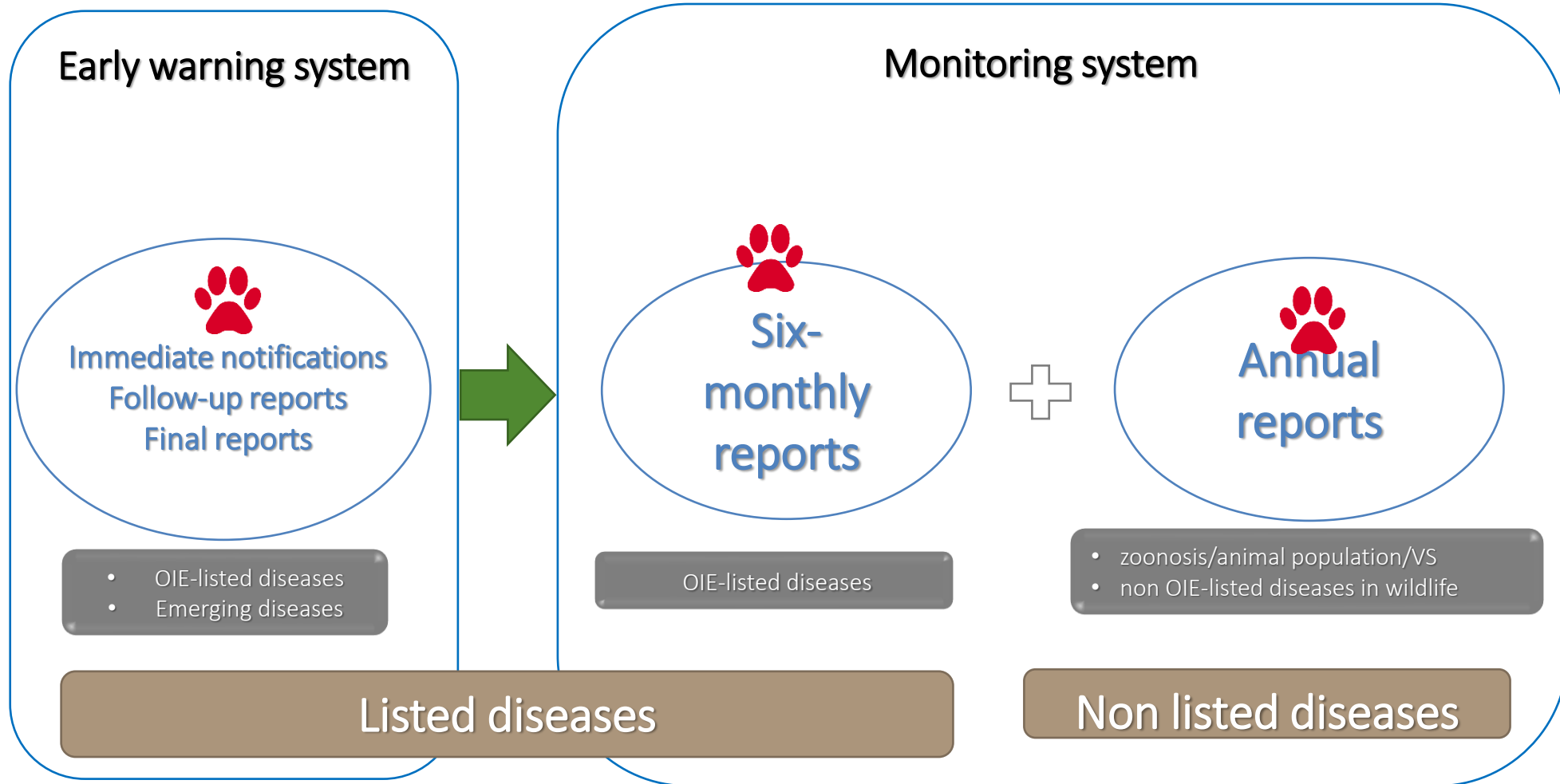
Summary

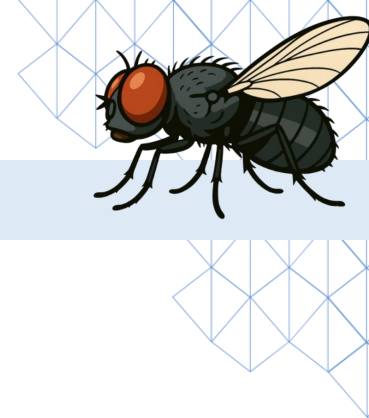


- WOAHA mission and reporting obligation
- NWS situation 2005 – 2025 – official data (Monitoring and EWS)
- Epidemic intelligence approach to improve system sensitivity and collect additional information
- Summary and key messages



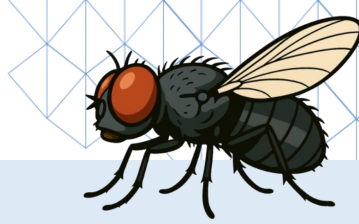
WOAH mission and reporting obligation – Reporting channel





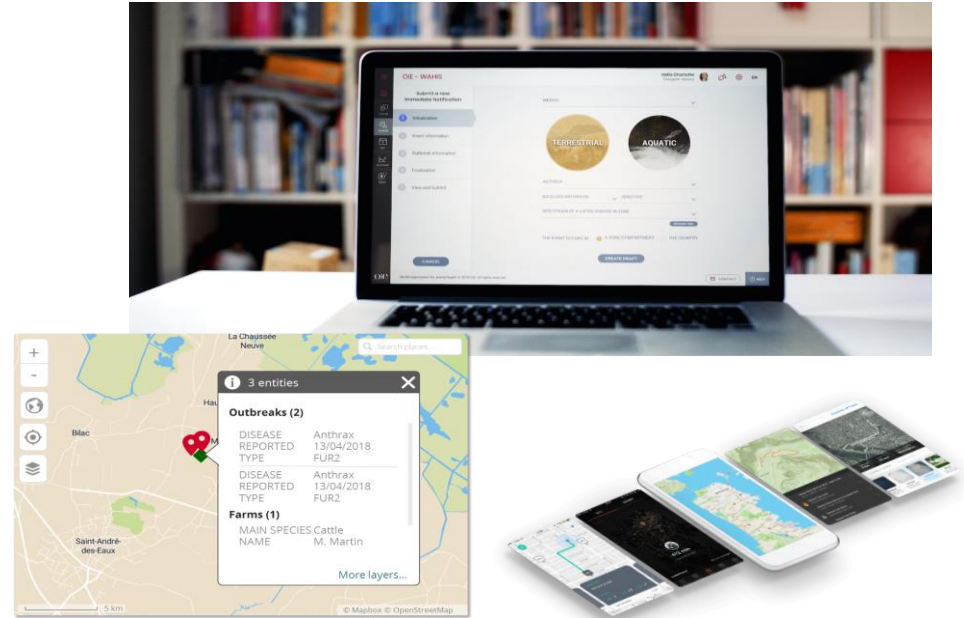
WOAH mission and reporting obligation – Case definition

- General provision and case definition
 - **New World screwworm** and Old World screwworm are obligate parasites which can infest a wide variety of mammals, including humans, and birds.
 - For the purposes of the [Terrestrial Code](#), **New World screwworm is defined as an infestation of mammals and birds (hereafter ‘animal hosts’) with *Cochliomyia hominivorax***, and Old World screwworm is defined as an infestation of animal hosts with *Chrysomya bezziana*.
 - The occurrence of infestation with *Cochliomyia hominivorax* or infestation with *Chrysomya bezziana* is defined by the following: ***Cochliomyia hominivorax* or *Chrysomya bezziana* has been observed and identified as such in a sample from an animal host.**
 - Standards for diagnosis and information on the epidemiology are described in the [Terrestrial Manual](#).



WOAH mission and reporting obligation – **WAHIS** system

- User friendly, intuitive, time-efficient
- High resolution dynamic mapping
- Interoperability, integration and connectivity with other data and systems
- Open access of WAHIS data

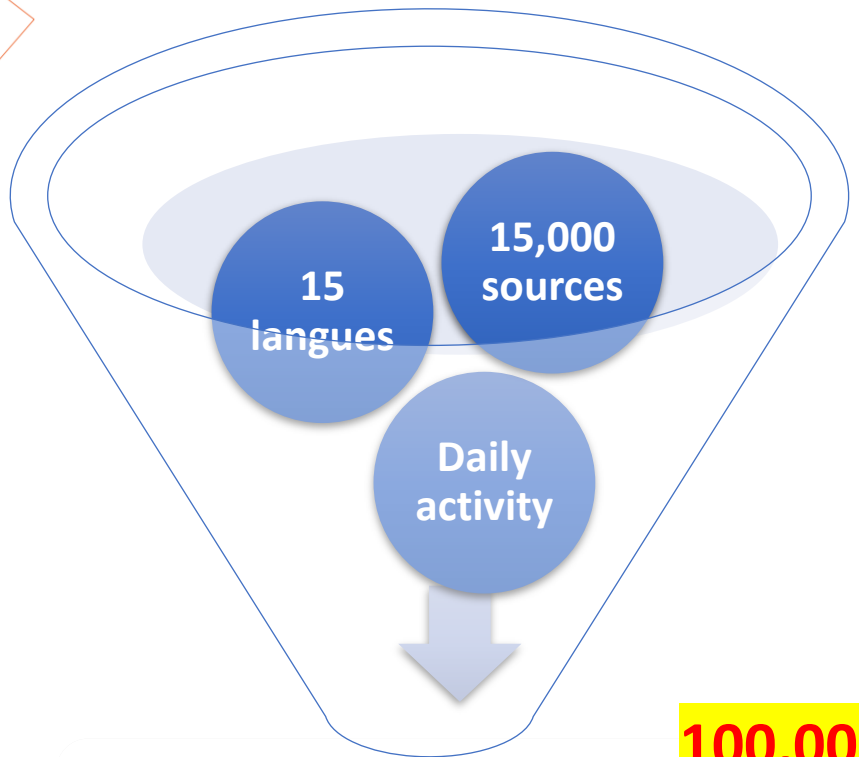


<https://wahis.woah.org/#/home>

Facilitating reporting, promoting the use of data



WOAH mission and reporting obligation – **non official information**



100,000 news / year



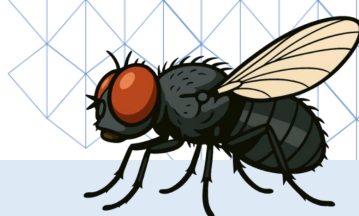
Search for unofficial information

GLEWS platform
Global Early Warning and Response System for Major Animal Diseases, including Zoonoses
TRIPARTITE

EIOS EPIDEMIC INTELLIGENCE FROM OPEN SOURCES
WHO

Source Intelliriver Source
IBIS (Australia)

Reference laboratories (WOAH network)

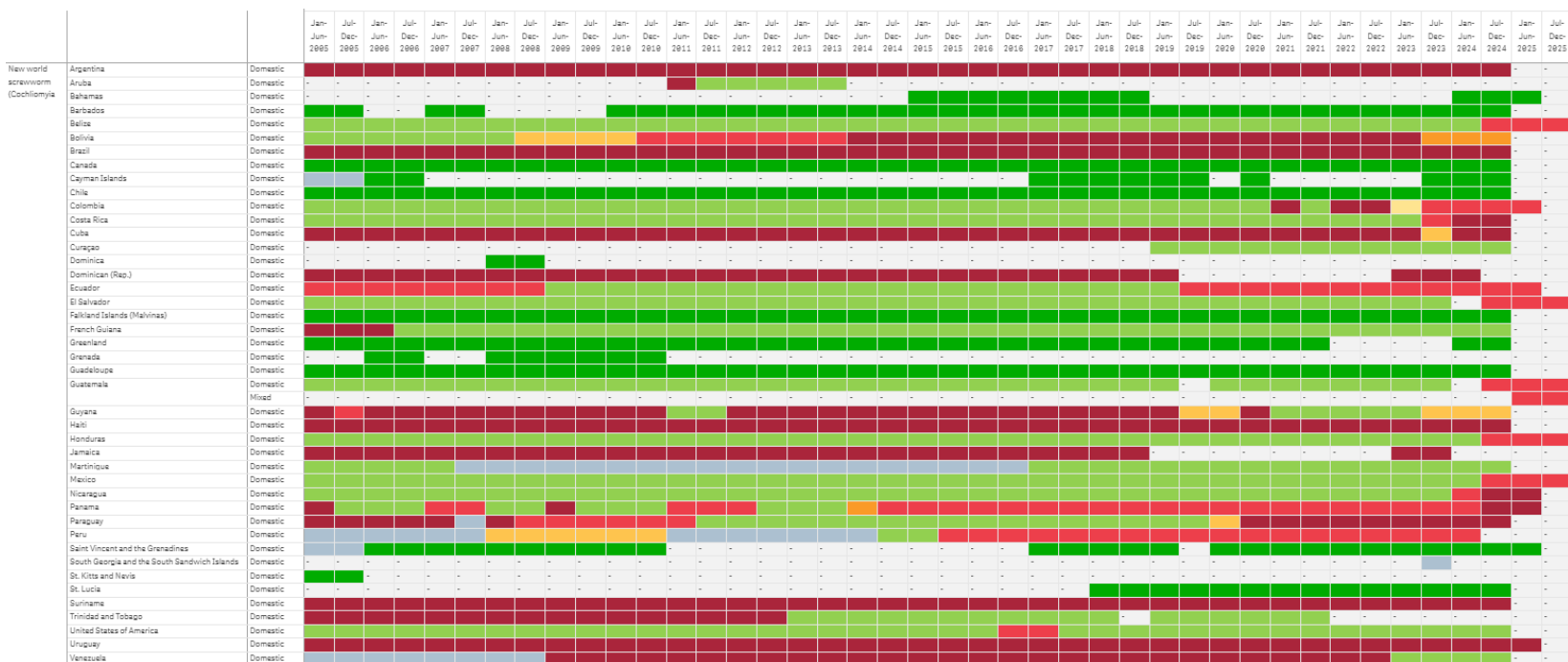
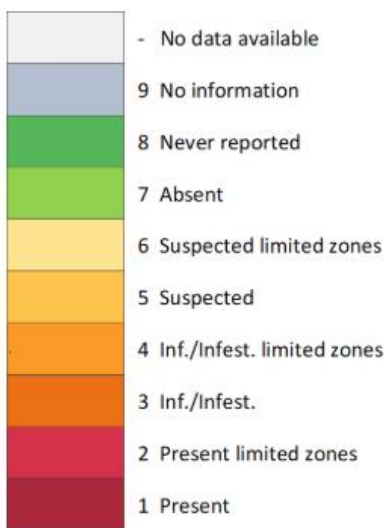
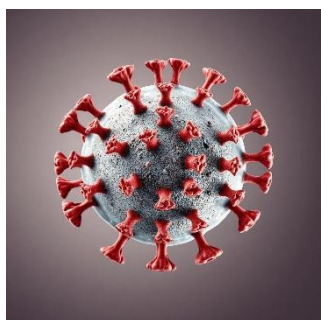


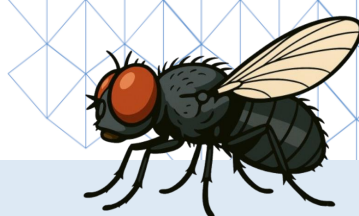
NSW situation 2005 – 2025 – Regional situation – Monitoring system



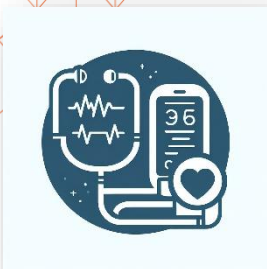
Category	N outbreaks
Domestic	28,151
Wild	0
Mixed	4,378

27 countries and territories reporting the disease present / suspected





NSW situation 2005 – 2025 – Regional situation – Monitoring system



Category	N outbreaks
Domestic	28,151
Wild	0
Mixed	4,378

27 countries and territories reporting the disease present / suspected

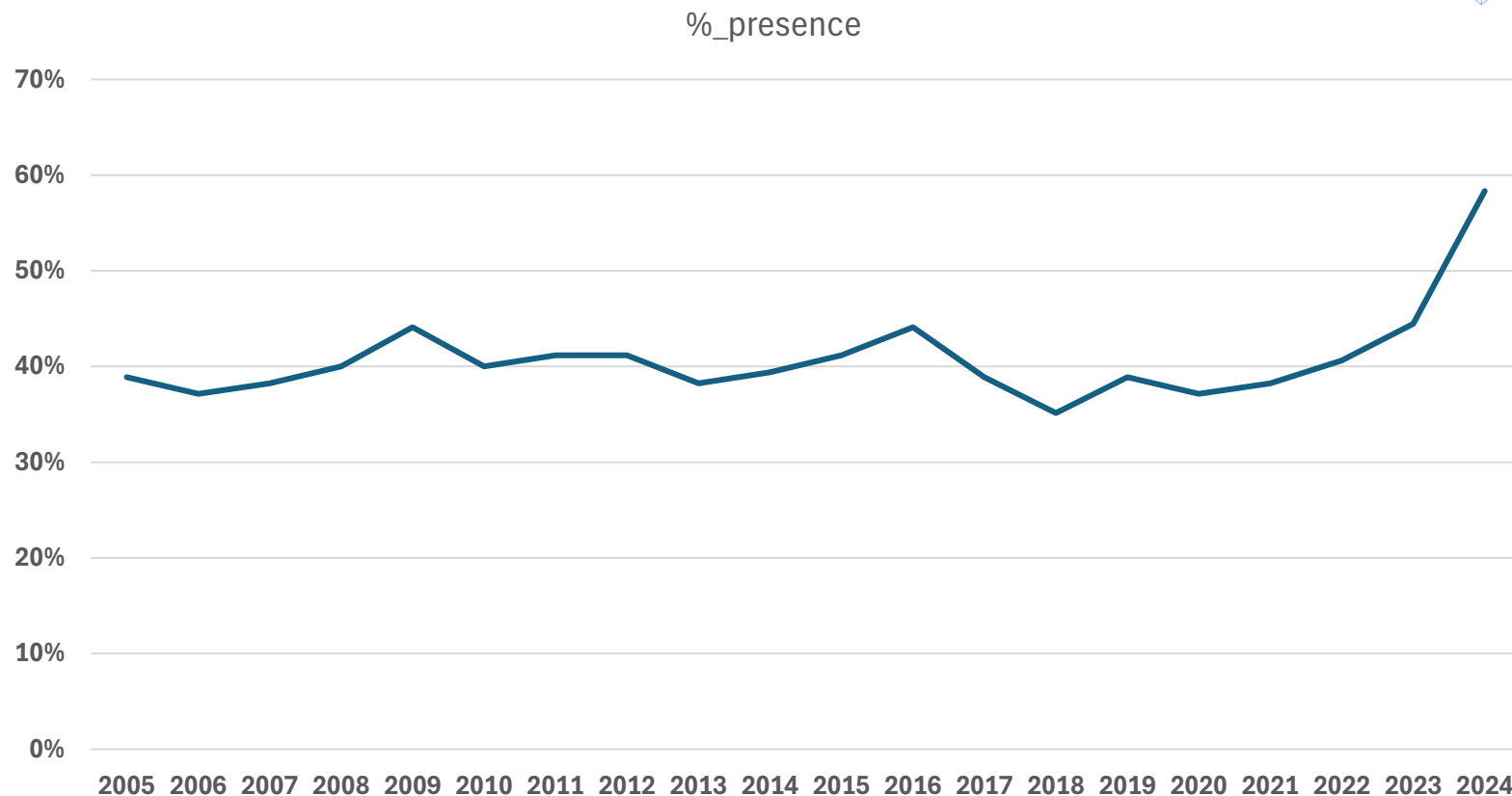
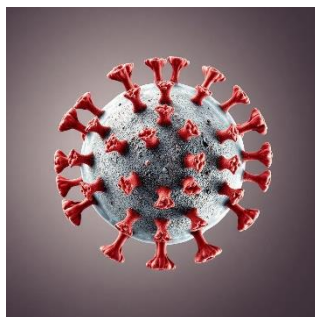
No report available or no outbreaks were reported in the area for a disease present in the country

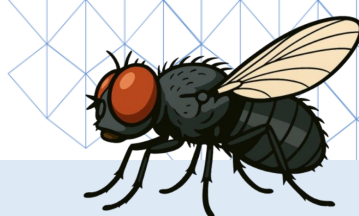
No information provided in report for selected disease(s)

Absent in the country

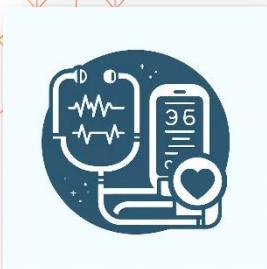
Suspected

Present





NSW situation 2005 – 2025 – Regional situation – Monitoring system



Category	N outbreaks
Domestic	28,151
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27 countries and territories reporting the disease present / suspected

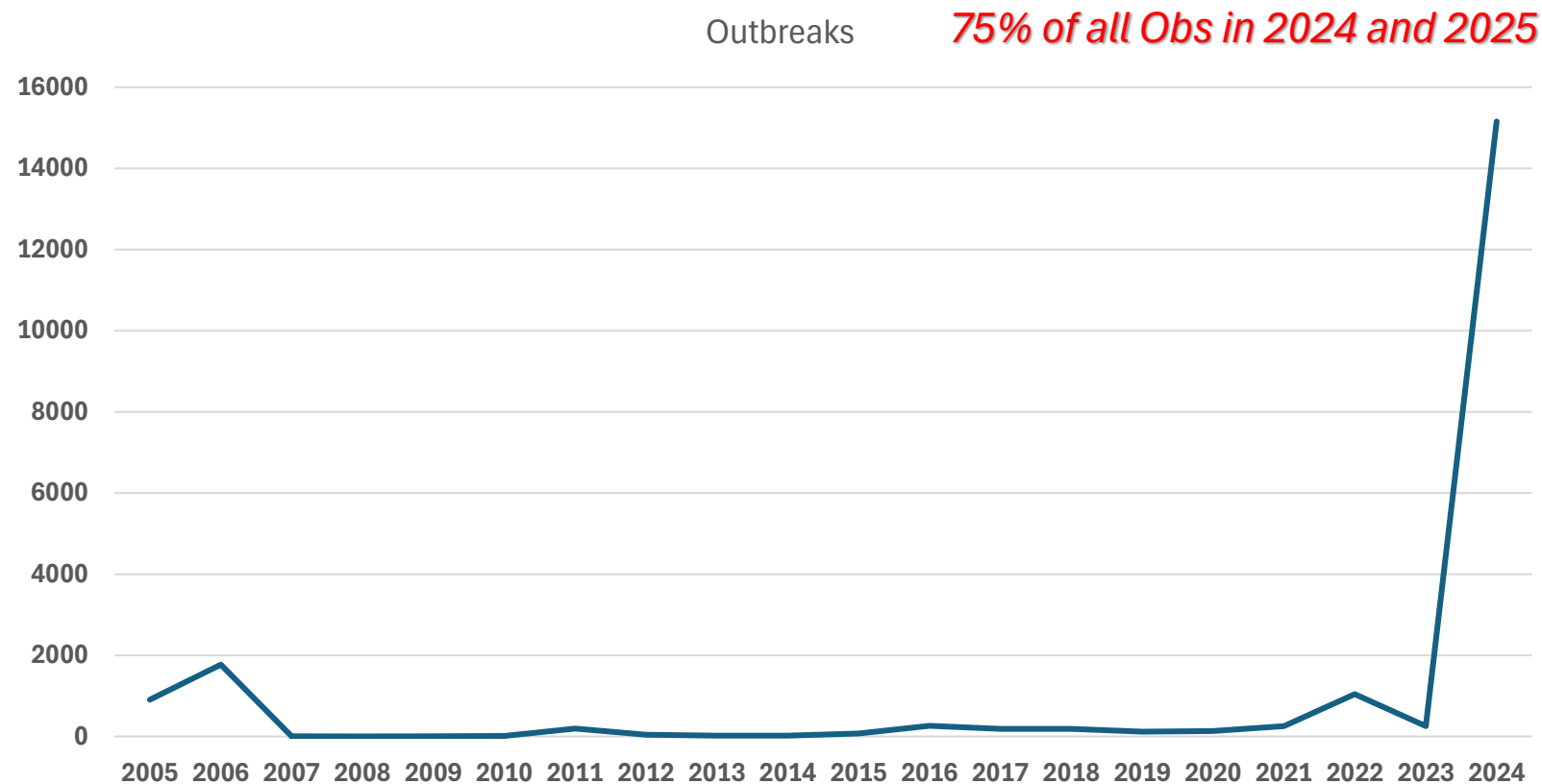
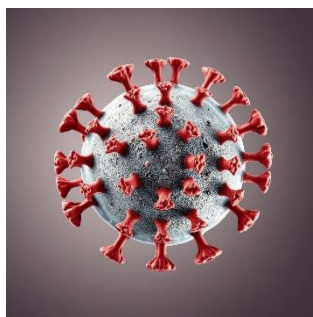
No report available or no outbreaks were reported in the area for a disease present in the country

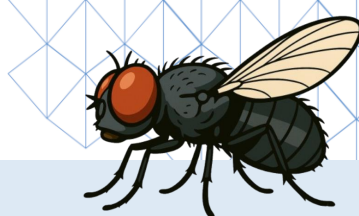
No information provided in report for selected disease(s)

Absent in the country

Suspected

Present





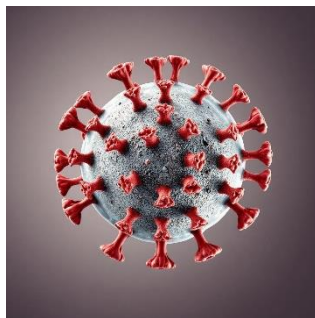
NSW situation 2005 – 2022 – Regional situation – Monitoring system

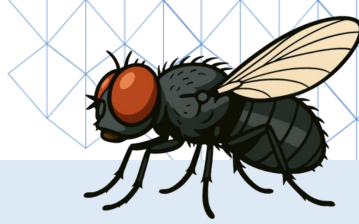


Category	N outbreaks
Domestic	16,246
Wild	0
Mixed	4,378

20 countries and territories reporting the disease present / suspected

- No report available or no outbreaks were reported in the area for a disease present in the country
- No information provided in report for selected disease(s)
- Absent in the country
- Suspected
- Present





NSW situation 2023 – 2025 – Regional situation – Monitoring system



Category	N outbreaks
Domestic	16,246
Wild	0
Mixed	4,378

22 countries and territories reporting the disease present / suspected

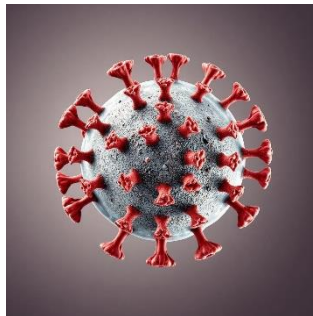
No report available or no outbreaks were reported in the area for a disease present in the country

No information provided in report for selected disease(s)

Absent in the country

Suspected

Present

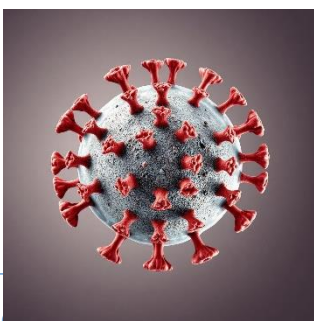


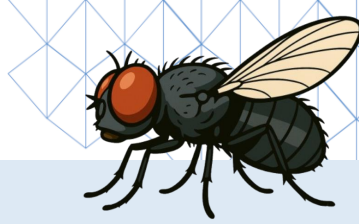


NWS situation 2022 – 2025 – Global situation – early warning system

Year	First occ in zone	Reccurence disease
2005	0	0
2006	0	0
2007	0	0
2008	0	0
2009	0	1
2010	0	0
2011	0	0
2012	0	0
2013	0	0
2014	0	0
2015	0	0
2016	0	1
2027	0	0
2028	0	0
2019	0	1
2020	0	0
2021	0	1
2022	0	2
2023	0	2
2024	1	6
2025	10	0
Total	11	14

25 Immediate notification since 2005

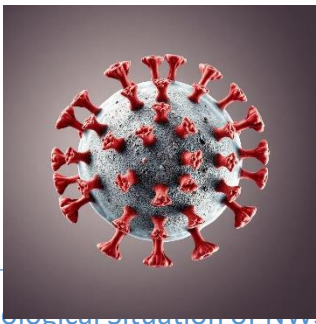


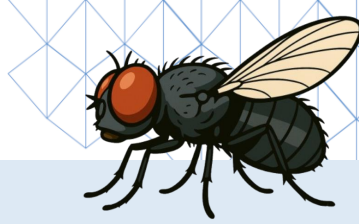


NWS situation 2022 – 2025 – Global situation – early warning system



2 countries reporting the disease present



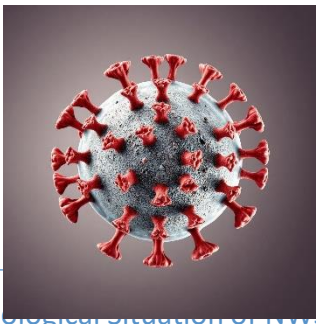


NWS situation 2022 – 2025 – Global situation – early warning system



7 countries reporting the disease present

Belize
Costa Rica
El Salvador
Guatemala
Honduras
Mexico
Nicaragua

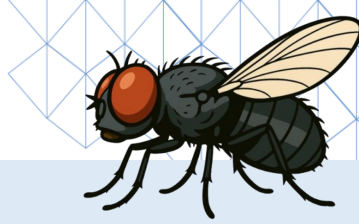


OBS_2023_2025

- 2023
- 2024
- 2025

0 250 500 km

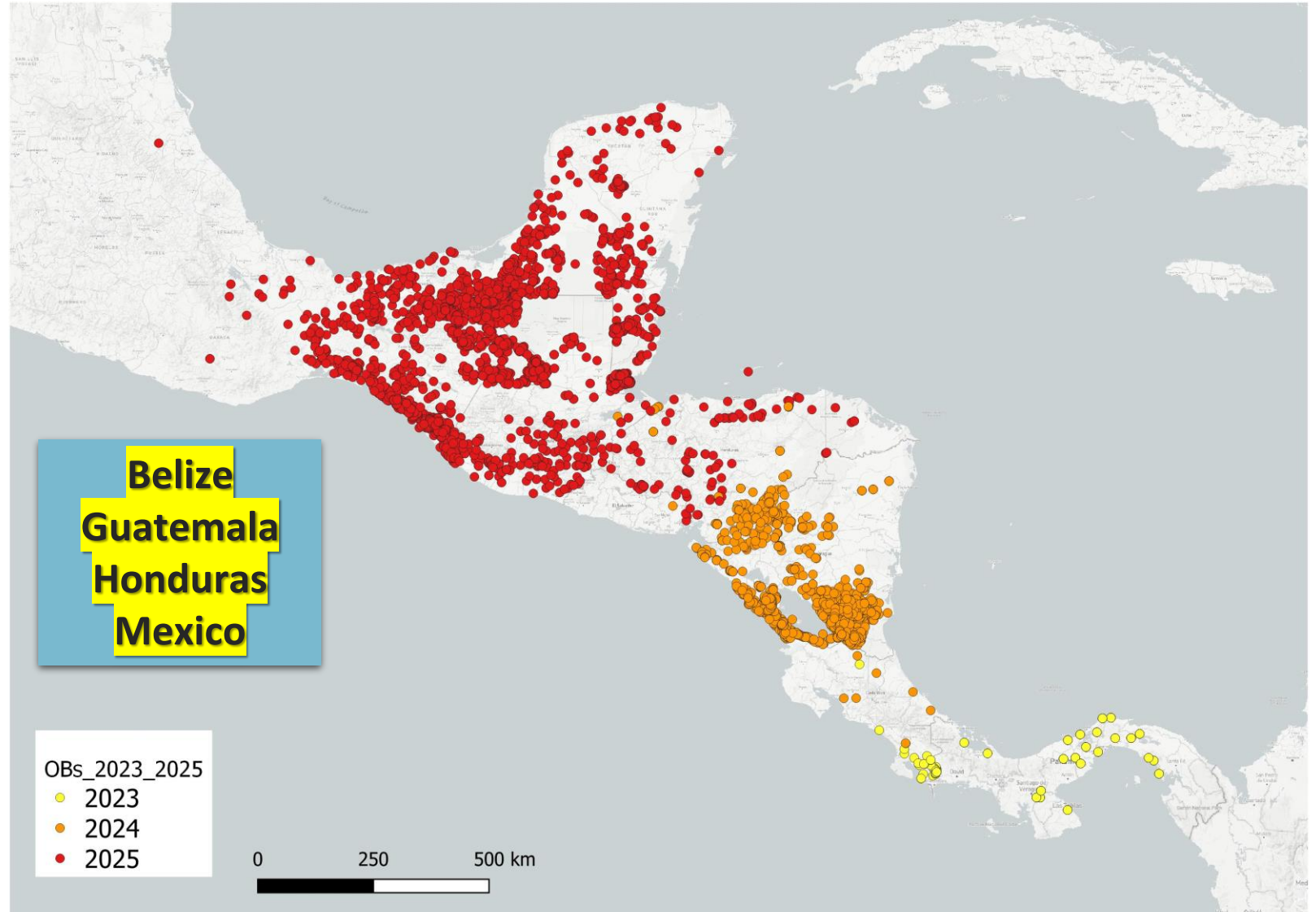
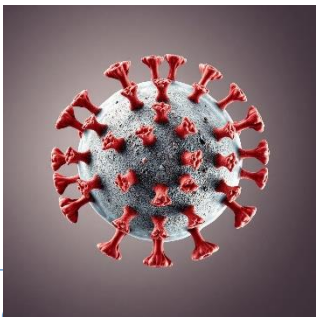


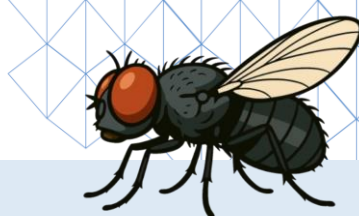


NWS situation 2022 – 2025 – **Global situation – early warning system**



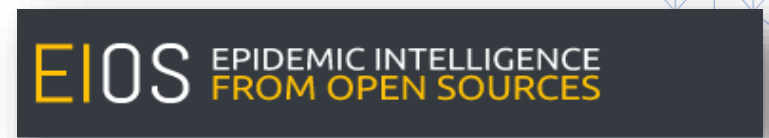
4 countries reporting the disease present





The EIOS system

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 (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)

Daily screening of the web for WOAH-listed and emerging diseases

26,000 sources

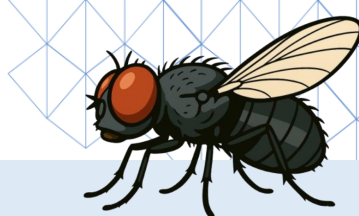
723 disease categories

Just over 100 languages

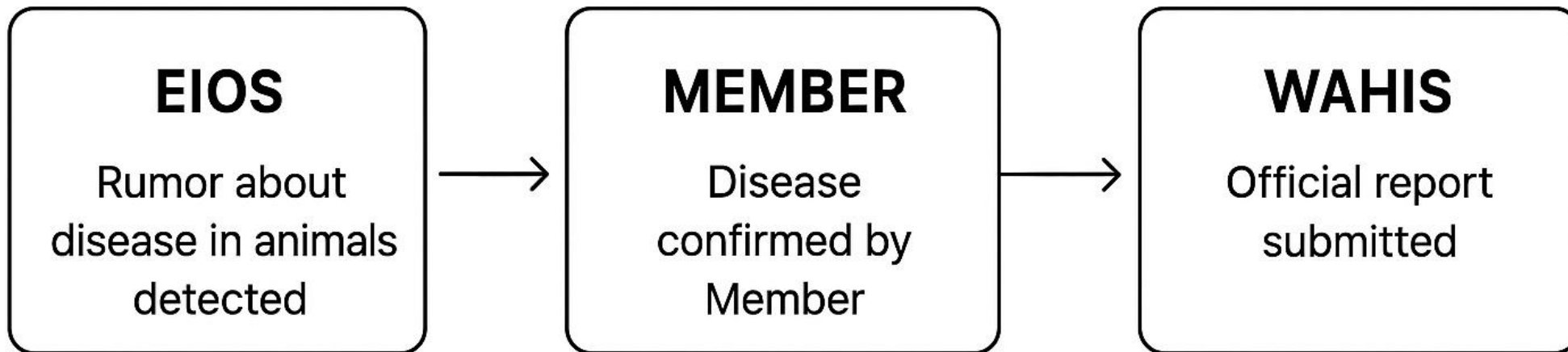
150,000 – 200,000 news/year

Communication between WOAH and its Members

The screenshot shows the EIOS monitoring interface. At the top, it displays 'Board: OIE_Diseases' with 119k total articles. Below this is a world map with numerous black circular markers indicating the geographic distribution of news sources. A time period graph shows activity from 2014 to 2022. The main content area lists news articles, including headlines such as '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', and 'Japan - Authorities in Ehime prefecture will kill about 130,000 chickens due to bird flu outbreak'. The interface includes navigation menus, search bars, and filtering options.

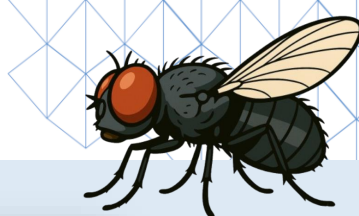


The EIOS system



WAHIS: World Animal Health Information System





The EIOS system

EIOS EPIDEMIC INTELLIGENCE FROM OPEN SOURCES Monitoring 2.0.0

PT

BOARDS I CAN VIEW / NWS / FEED

WOAH

NWS

Personal: Paolo Tizzani Updated: 09/10/2025

Board Info Articles Feed Pinned Articles

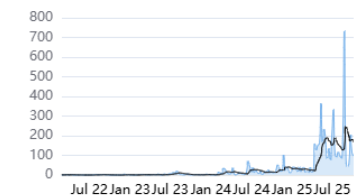
Activities

Board Filters

Text Search

Time Filter

Period: Last 4 years Until Today at Midnight, Last 3 years Until Today at Midnight



Moving Window

Range of Dates

LAST: - 3 + UNTIL: Today at Midnight

Categories

Selected Categories

Categories: Screwworm

Clear(1)

Selected Browse

Posts

5.94k Articles

Casi 200 casos de miasis en humanos por el gusano barrenador reporta la Sesal

elheraldo-h Imported Oct 8, 22:57 UTC Spanish; Castilian (es) 0

Honduras notifica 169 casos de gusano barrenador en humanos

prensalatina Imported Oct 8, 22:39 UTC Spanish; Castilian (es) 1

Honduran Health Secretariat warns of cases of screwworm in humans and animals

gphin Imported Oct 8, 22:30 UTC English (en) 0

Honduras: Más de 160 casos de gusano barrenador en humanos

quienopina Imported Oct 8, 21:01 UTC Spanish; Castilian (es) 0

Quick Takes: New World screwworm in Mexico, H5N1 in turkeys, West Nile in Europe

gphin Imported Oct 8, 20:39 UTC English (en) 0

Quick Takes: New World screwworm in Mexico, H5N1 in turkeys, West Nile in Europe

cidrap Imported Oct 8, 20:09 UTC English (en) 2

Texas Department of Agriculture - Commissioner Miller Statement on New Screwworm Case in Nuevo Leon

gphin Imported Oct 8, 19:44 UTC English (en) 0

Commissioner Miller's Statement on New Screwworm Case in Montemorelos, Mexico

wn Imported Oct 8, 17:40 UTC English (en) 0

Mexico - New world screwworm (Cochliomyia hominivorax) - Immediate notification

Ecology, Myiasis, Screwworm, PSC Trapping vector, Zoonoses Honduras

0 0 0 0 Item Preview

Myiasis, Screwworm, Elderly Honduras, Mexico, United States of America

0 0 0 0 Item Preview

Myiasis, Screwworm, Death, Severe Cases Honduras

0 0 0 0 Item Preview

Screwworm, PSC Trapping vector, PSC Visual examination, Elderly Honduras

0 0 0 0 Item Preview

Emerging Wildlife Diseases, Avian influenza, West Nile Disease, Influenza HxNy Human, Screwworm, H5N1, Italy, Mexico, Canada

0 0 0 0 Item Preview

Avian influenza, Vaccination, Measles, Influenza HxNy Human, Screwworm, H5N1, Influenza at human animal Mexico, United States of America

0 0 0 0 Item Preview

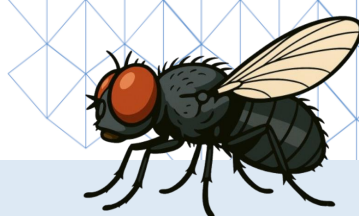
Screwworm Canada

0 0 0 0 Item Preview

Screwworm Mexico

0 0 0 0 Item Preview

Emerging Wildlife Diseases, Organophosphate, Vaccination, Myiasis, Screwworm, Death, PSC Visual examination, PSC Mexico



The EIOS system

▼ Source Geographical Areas

All Countries, territories and areas

Search Keywords...

Select All Deselect All

- United States of America 2805
- Brazil 1893
- Mexico 1176
- Colombia 934
- Argentina 914
- Canada 808
- Peru 487
- Paraguay 395
- Chile 369
- Uruguay 361
- Ecuador 329
- Honduras 321
- Venezuela (Bolivarian Republic of) 305
- Nicaragua 265
- Guatemala 255
- Costa Rica 182
- Cuba 174
- Panama 138
- El Salvador 132
- Haiti 112
- Dominican Republic 106
- Trinidad and Tobago 100
- Guyana 73
- Bahamas 66
- Bolivia (Plurinational State of) 65

- North America 7031
- South America 6161

EIOS EPIDEMIC INTELLIGENCE FROM OPEN SOURCES Monitoring 2.0.0

BOARDS I CAN VIEW / NWS / FEED

WOAH **NWS**

Personal: Paolo Tizzani Updated: 09/10/2025

Board Info Articles Feed Pinned Articles Posts

Activities 5,94k Articles

Board Filters

Text Search

Time Filter Clear(1)

Period: Last 4 years Until Today at Midnight, Last 3 years Until Today at Midnight

Categories

Selected Categories: Screwworm Clear(1)

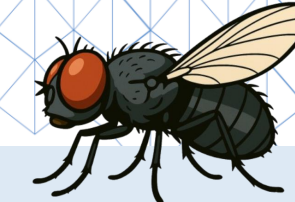
Selected Browse

Q score

Articles List:

- Casi 200 casos de miasis en humanos por el gusano barrenador reporta la Sesal Ecology, Myiasis, Screwworm, PSC Trapping vector, Zoonoses Honduras
- Honduras notifica 169 casos de gusano barrenador en humanos Myiasis, Screwworm, Elderly Honduras, Mexico, United States of America
- Honduran Health Secretariat warns of cases of screwworm in humans and animals Myiasis, Screwworm, Death, Severe Cases Honduras
- Honduras: Más de 160 casos de gusano barrenador en humanos Screwworm, PSC Trapping vector, PSC Visual examination, Elderly Honduras
- Quick Takes: New World screwworm in Mexico, H5N1 in turkeys, West Nile in Europe Emerging Wildlife Diseases, Avian influenza, West Nile Disease, Influenza H5Nx Human, Screwworm, H5N1, Italy, Mexico, Canada
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- Texas Department of Agriculture - Commissioner Miller Statement on New Screwworm Case in Nuevo Leon Screwworm Canada
- Commissioner Miller's Statement on New Screwworm Case in Montemorelos, Mexico Screwworm Mexico
- Mexico - New world screwworm (Cochliomyia hominivorax) - Immediate notification Emerging Wildlife Diseases, Organophosphate, Vaccination, Myiasis, Screwworm, Death, PSC Visual examination, PSC Mexico

Graph: Time-series plot showing activity from 2017 to 2025. Y-axis ranges from 0 to 800. X-axis shows dates from Jul 22 Jan 23 Jul 23 Jan 24 Jul 24 Jan 25 Jul 25.



The EIOS system

EIOS EPIDEMIOLOGICAL INTELLIGENCE FROM OPEN SOURCES Monitoring 2.0.0

BOARDS I CAN VIEW / NWS / FEED

WOAH NWS

Personal: Paolo Tizzani Updated: 09/10/2025

Board Info Articles Feed Pinned Articles Posts

Activities 5.94k Articles

Board Filters

Text Search

Time Filter

Period: Last 4 years Until Today at Midnight, Last 3 years Until Today at Midnight

700
600
500
400
300
200
100
0

Jul 22 Jan 23 Jul 23 Jan 24 Jul 24 Jan 25 Jul 25

200K
100K
0

2017 2018 2019 2020 2021 2022 2023 2024 2025

Moving Window Range of Dates

LAST UNTIL

- 3 + Years Today at Midnight

Categories

Selected Categories

Categories: Screwworm

Selected Browse

Brotos del gusano barrenador afectan economía ganadera en Nuevo León

El Grupo Consultor de Mercados Agrícolas estimó que los brotes de gusano barrenador del ganado en Nuevo León ha provocado pérdidas de unos 600 pesos por cabeza.



Reporta la Sesal de miasis en humanos por el gusano barrenador

Se reportó la enfermedad que se registró en humanos en febrero de 2025 en el estado de Coahuila de Zaragoza, Morazán, Yoro e Intibucá.

MAG asegura que hay zonas del país sin reportes de gusano barrenador

JAQUELINE VILLEDA MARTES 7, OCTUBRE 2025 - 2:51 PM

El gobierno dijo que, pese a la reducción de casos, los equipos se mantienen activos en campo.

Screwworm cases jump 32% in September

4 Summary of the epidemic intelligence update

1.1 Epidemiological Update

France

- Surveillance Zone Established: In response to the first confirmed LSD outbreak in Spain, French authorities have established a surveillance zone in the Pyrenees. Operations to monitor potential cross-border spread. This reflects heightened vigilance due to proximity to Catalonia.
- Prevention Zone Established: Due to an improved epidemiological situation, the prevention zone in Savoy and Valais has been lifted. Over 2000 premises have been downgraded from prevention to surveillance zones, easing movement restrictions. This decision follows no new outbreaks and successful control measures including vaccination and disposal plans.

Italy

- Sardinia Update: As of early October, 100% of cattle in Sardinia have been vaccinated. However, 600 outbreaks remain active, including ongoing transmission and the need for continued vigilance.

Spain

- First Confirmed Outbreak: The first outbreak of LSD in Spain was confirmed on a dairy farm in Castilla de Leyón (Zorita, Valladolid) on 1st of October. 3 sheep were infected, and all were treated. There were additional cases with over 1700 lambs and a female cow. A 200 km exclusion zone and a 400 km surveillance zone have been established.
- Second Case Detected: A second case of LSD has been confirmed in Galicia, indicating local spread. Authorities are intensifying surveillance and containment efforts.
- Medical Campaign: A mass vaccination campaign is set to begin in Catalonia on October 15, targeting cattle in affected areas at high risk zones.
- Voluntary Response Encouraged: Cattle livestock farmers have expressed a delayed activation of the voluntary exit contribution, arguing that earlier action could have mitigated the outbreak impact.
- Focus on Prevention: Authorities are urged to focus on preventing future cases through measures like vector-borne transmission (e.g., feed or contaminated transport equipment).
- Concerns Over Prevention: Media and experts have raised concerns about a lack of preventive measures, suggesting that the outbreak could have been avoided with prompt implementation of preventive measures.

1.2 Aspects (Trade Related Border Controls)

Canada

- Trade Restrictions: Canada has banned imports of certain swine and horses from France, Italy and Switzerland due to LSD concerns, impacting daily exports.

France

- Export Restrictions: 4000000 swine and horses are to be exported and restricted.
- Trade Restrictions: Thousands of swine and horses are to be exported and restricted.
- Government Action: The government has announced the need for additional cattle to help to meet supply-side logistical challenges.
- Trade Restrictions: The FNB (National Federation of Beef Farmers) is calling for relaxation of trade restrictions, particularly for young cattle (grain).

Spain

- Spanish Farmers are demanding that the government guarantee implementation of the outbreak to prevent further spread from another region.

Malta

- The Maltese authorities have established a national surveillance system for potential LSD outbreaks, aiming to increase inspection capacity.

Italy

- A support table has been activated to coordinate economic and logistical support for affected businesses in France.

1.3 Potential for Wildfire Spread in Communication Concerns

- Public Resources: Following the first LSD case, media outlets addressed public concerns about food safety. Experts emphasized that meat and dairy products remain safe to consume, as LSD is not transmissible to humans.



Summary and key messages

- NWS epidemiological situation
 - Stable in a part of the region
 - The reporting dynamic has changed since 2022/23
 - Progressive spread northwards
- Importance of providing information through official reporting through WAHIS
- Importance of combining official and non-official information for improved decision making
- Improve epidemic intelligence at the regional level?

*Need for the publication of
a (regional) situation report
on NWS?*

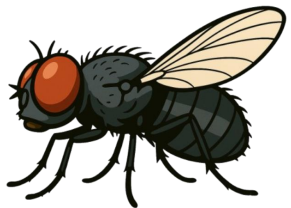
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Thanks for your attention

