



# WOAH: Disease notification and **Active Search** Activity

#### Notification to WOAH

CHAPTER 1.3.

#### DISEASES, INFECTIONS AND INFESTATIONS LISTED BY THE OIE

#### Preamble

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## Early warning system

Informs the international community of relevant epidemiological events occurring in WOAH Members via alert messages.

### **Monitoring system**

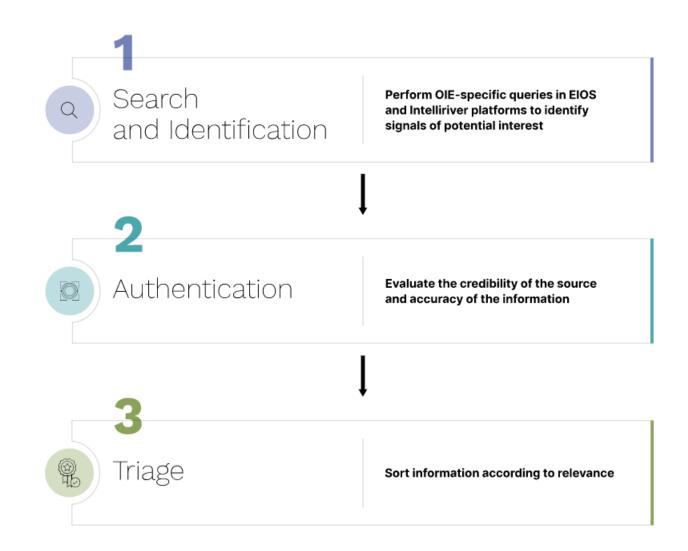
Enables the monitoring of WOAHlisted diseases (presence or absence) over time.

- Equine encephalomyelitis (Eastern)
- Heartwater



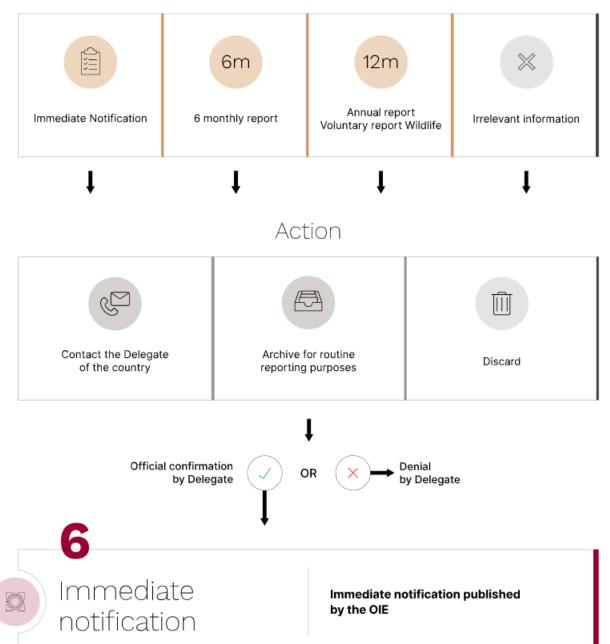
#### **Active Search**

WOAH applies a systematic process of rumour tracking, or active search, of unofficial sources, to enhance transparency and the overall picture of the global disease situation

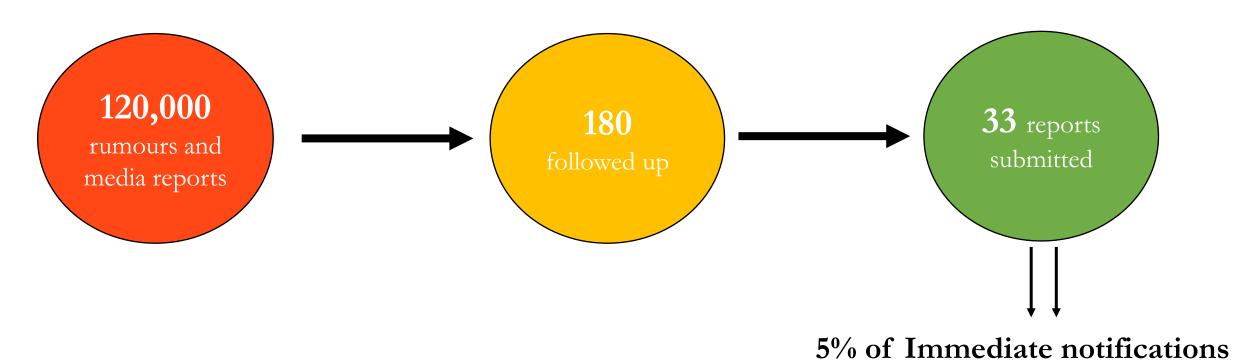




#### Relevant Report



#### 2021





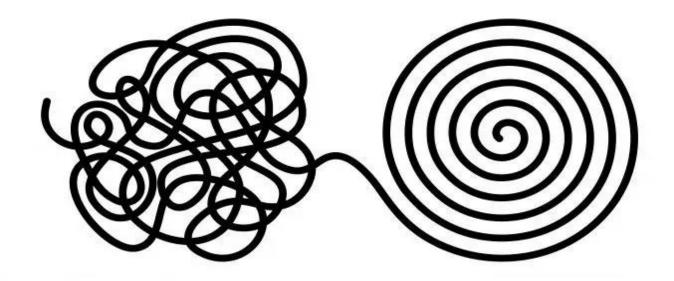
# EIOS – Epidemic Intelligence from Open Sources





#### **Epidemic Intelligence**

 Epidemic Intelligence (EI): the cycle of organized and systematic collection, analysis and interpretation of information from all sources to detect, verify and investigate potential health risks.



#### Overview

#### **Mission**

 To save lives and minimise the impact of threats to health, societies and economies through collaborative, authoritative and timely public health intelligence allowing for rapid, evidence-based action

#### What does it do?

 enables access to a vast range of publicly available information to facilitate timely detection, identification and verification, of events that may pose a threat to public health, complement contextual analysis and assessment and facilitate communication across the global network of experts.

#### What doesn't it do?

does not replace established formal reporting channels

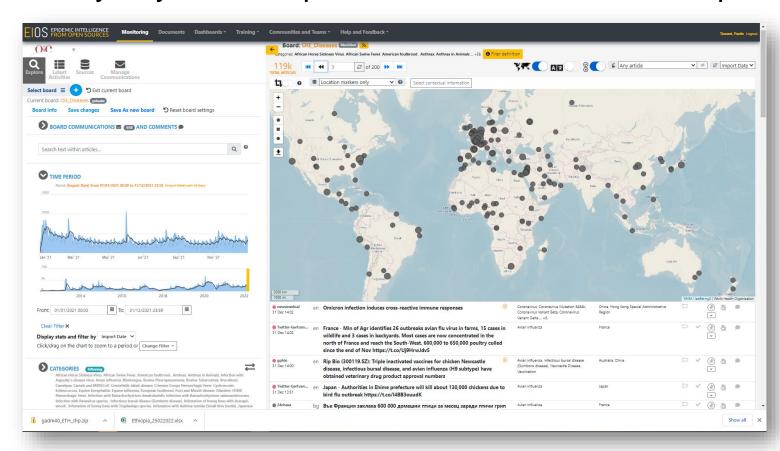


#### EIOS – Epidemic Intelligence from Open Sources

 EIOS is built on three pillars: a growing global community of practice, a range of multi-disciplinary collaborators and an evolving fit-for-purpose system

33,944 webpages visited every day and scraped for relevant content to import to

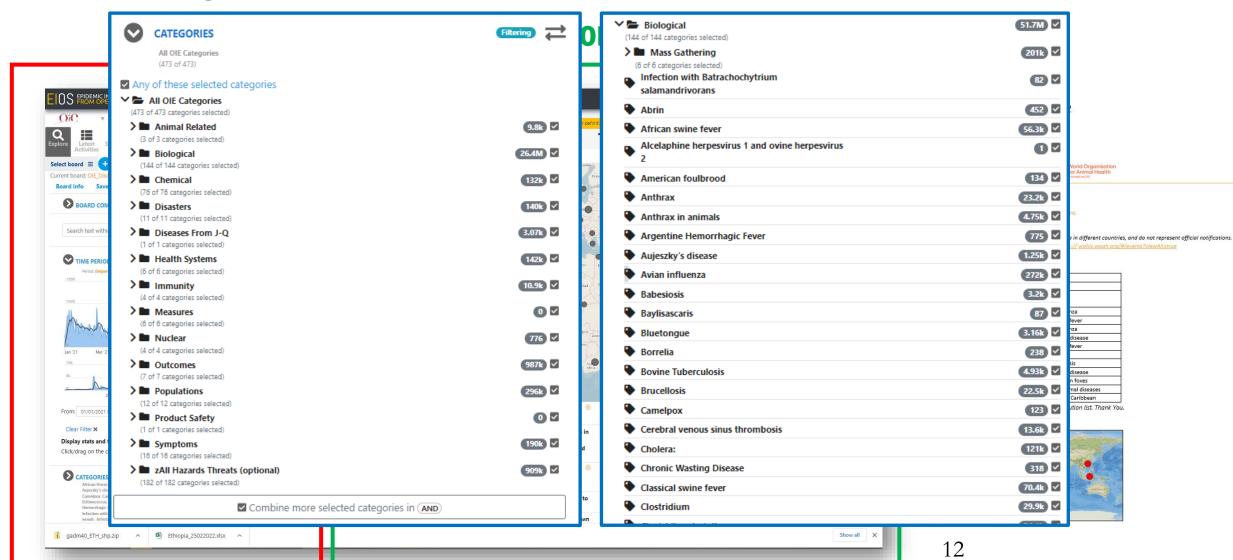
the EIOS system





#### Overview

#### 500 categories



#### Overview

#### **Dynamic and flexible = constant improvements**

- Automated anomaly detection
- Integration of additional automated information extraction
- Enhanced search and filter capabilities based on complex queries.
- New sources and categories
- Inclusion of social media sources and the Twitter
- Introduction of complex queries and enhanced filtering capabilities,
- Integration of ML algorithms for automated abstractive summarization, credibility assessment, and user feedback.



# Thank you Any questions?

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