

Situation of bee diseases in the region as reported to WOAH

Dr Gregorie BAZIMO

Animal health Information Officer

World Animal Health Information Department

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World Organisation
for Animal Health
Founded as OIE

Outline of the presentation

1. Overview of the World Animal Health Information System

- What is WAHIS ?
- What is in it ?

2. Situation of bee diseases in Africa as reported to WOAHA

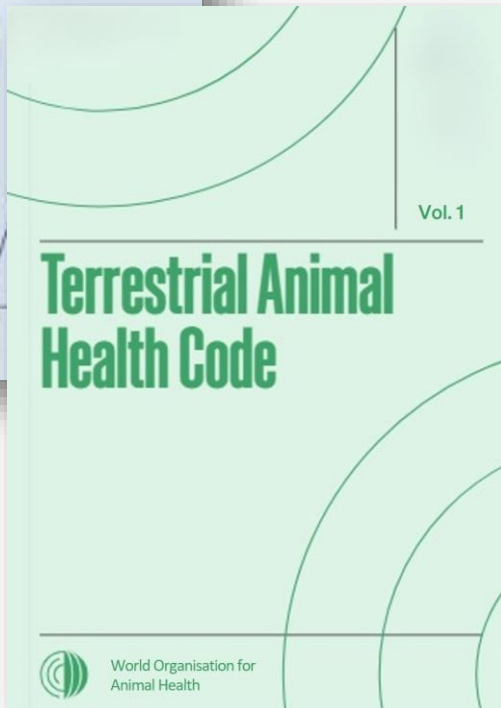


Introduction: WOAHA mandate and missions



Since its creation in 1924, the World Organisation for Animal Health (WOAH, founded as OIE) has been the **mandated international body collecting data on, observing, and analysing animal diseases** throughout the world.

Introduction: statutory basis for disease notification



NOTIFICATION OF DISEASES, AND PROVISION OF EPIDEMIOLOGICAL INFORMATION

Article 1.1.1.

For the purposes of the *Aquatic Code* and in terms of Articles 5, 9 and 10 of the OIE Organic Statutes, Member Countries shall recognise the right of the *Headquarters* to communicate directly with the *Competent Authority* of its *territory* or *territories*.

All *notifications* and all information sent by the OIE to the *Competent Authority* shall be regarded as having been sent to the country concerned and all *notifications* and all information sent to the OIE by the *Competent Authority* shall be regarded as having been sent by the country concerned.

Article 1.1.2.

1. Member Countries shall make available to other Member Countries, through the OIE, whatever information is necessary to minimise the spread of important *diseases* of *aquatic animals* and their *pathogenic agents* and to assist in achieving better worldwide control of these *diseases*.
2. To achieve this, Member Countries shall comply with the *notification* requirements specified in Articles 1.1.3. and 1.1.4.
3. For the purposes of this chapter an 'event' means a single *outbreak* or a group of epidemiologically related *outbreaks* of a given *disease* that is the subject of a *notification*. An event through to the final *units*.

Article 1.1.3.

The *Competent Authority* shall, under the responsibility of the Delegate, send to the *Headquarters*:

1. in accordance with relevant provisions in the *disease*-specific chapters, *notification*, through the World Animal Health Information System (WAHIS) or by fax or e-mail within 24 hours of any of the following events:
 - a. first occurrence of a *listed disease* in a country, a *zone* or a *compartment*;
 - b. recurrence of a *listed disease* in a country, a *zone* or a *compartment* following the final report that declared the *outbreak* ended;
 - c. first occurrence of a new strain of a *pathogenic agent* of a *listed disease* in a country, a *zone* or a *compartment*;
 - d. a sudden and unexpected change in the distribution or increase in incidence or virulence of, or morbidity or mortality caused by the *pathogenic agent* of a *listed disease*, present within a country, a *zone* or a *compartment*;
 - e. occurrence of a *listed disease* in a new host species;
2. weekly reports subsequent to a *notification* under point 1 above, to provide further information on the evolution of the event which justified the *notification*. These reports should continue until the *disease* has been eradicated or the situation has become sufficiently stable so that six-monthly reporting under point 3 will satisfy the obligation of the Member Country. For each event notified, a final report should be submitted;
3. six-monthly reports on the absence or presence and evolution of *listed diseases* and information of epidemiological significance to other Member Countries;
4. annual reports concerning any other information of significance to other Member Countries.



What is WAHIS?

World Animal Health Information System

- Global reference platform for the publication of **official data** on WOAHA listed and emerging diseases in domestic and wild animals.
- Data collected to improve our **knowledge of animal health** situation worldwide as well as **transparency**.
- Tracking the evolution of diseases, then assists in **trade and policy decisions**, and **informs research**.

<https://wahis.woah.org>

The screenshot shows the WAHIS website interface. At the top, there is a navigation bar with the World Organisation for Animal Health (WOAH) logo and the text 'WAHIS'. Below this, the main heading reads 'WAHIS: World Animal Health Information System'. A brief description follows: '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.' To the right of the text is a photograph of a group of white chickens in a farm setting. Below the text and image, there is a section titled 'Latest animal disease events'. This section features a world map on the left with colored markers indicating disease locations, and a table on the right listing recent events.

Country/Territory	Disease - genotype/serotype/subtype	Date
Poland	High pathogenicity avian influenza virus (H5N1)	2025/11/12
Mongolia	Influenza A virus of high pathogenicity (H5N1) (non-poultry isolating wild birds) (2017)	2025/11/12
Hungary	African swine fever virus (H5N1)	2025/11/11
Hungary	High pathogenicity avian influenza virus (H5N1)	2025/11/11
Germany	High pathogenicity avian influenza virus (H5N1)	2025/11/08
Mexico	New world screwworm (Cordilloba horreorum)	2025/11/08
Mexico	New world screwworm (Cordilloba horreorum)	2025/11/08
Ukraine	Influenza A virus of high pathogenicity (H5N1) (non-poultry isolating wild birds) (2017)	2025/11/07

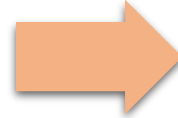


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What is in WAHIS?

Reports (Codes Art. 1.1.3)

- 1. Immediate notifications & weekly follow-up reports:** exceptional events/alerts (detailed data)
- 2. Six-monthly reports:** semestrial snapshot of all WOAHA listed diseases over time (aggregated data)
- 3. Annual reports:** annual snapshot on animal population & premises data

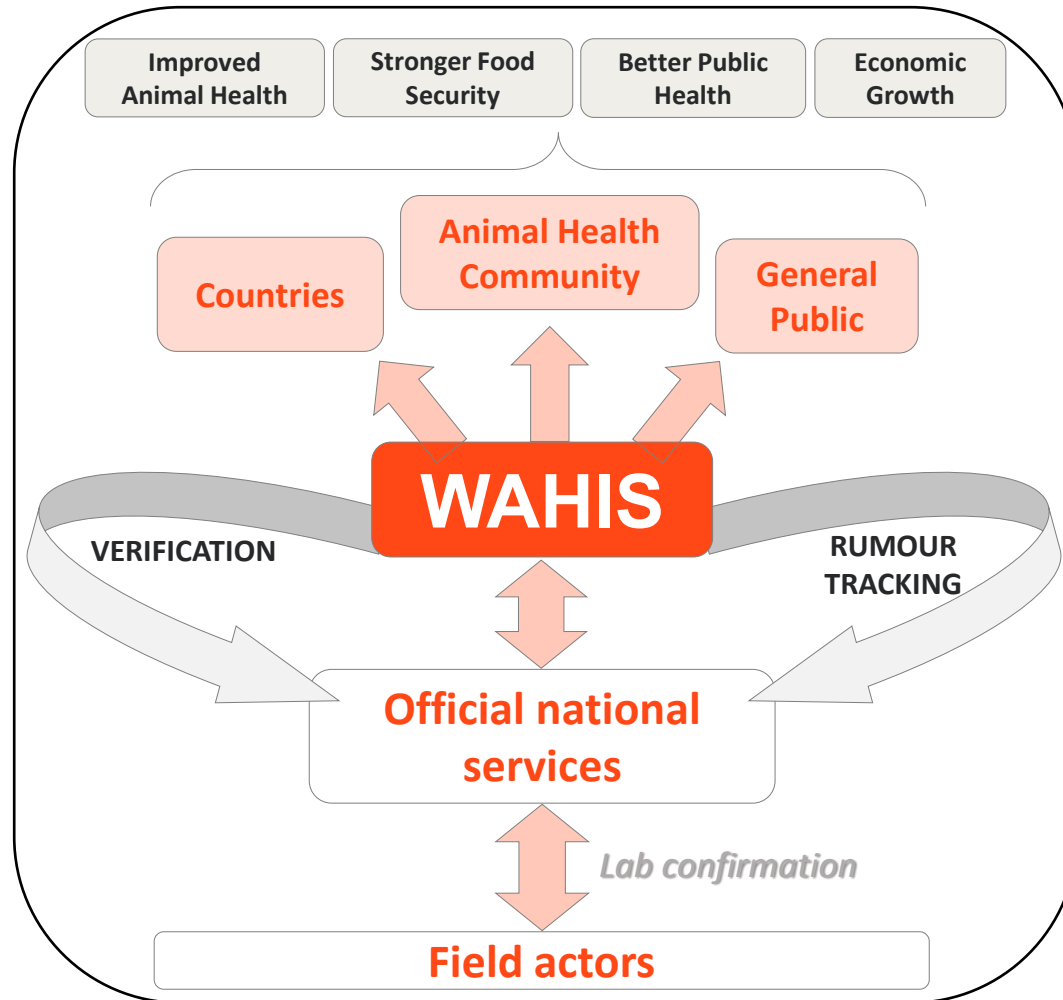


Analytics (Dashboards)

- 1. Disease situation**
- 2. Quantitative data**
- 3. Control measures**
- 4. Animal population**



What is in WAHIS?



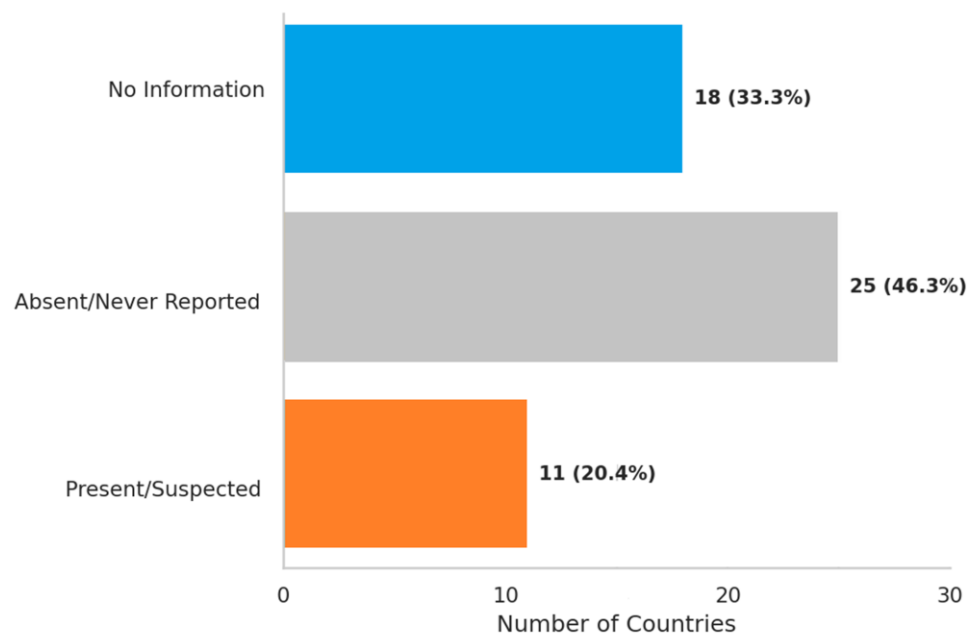
Information flow in WAHIS



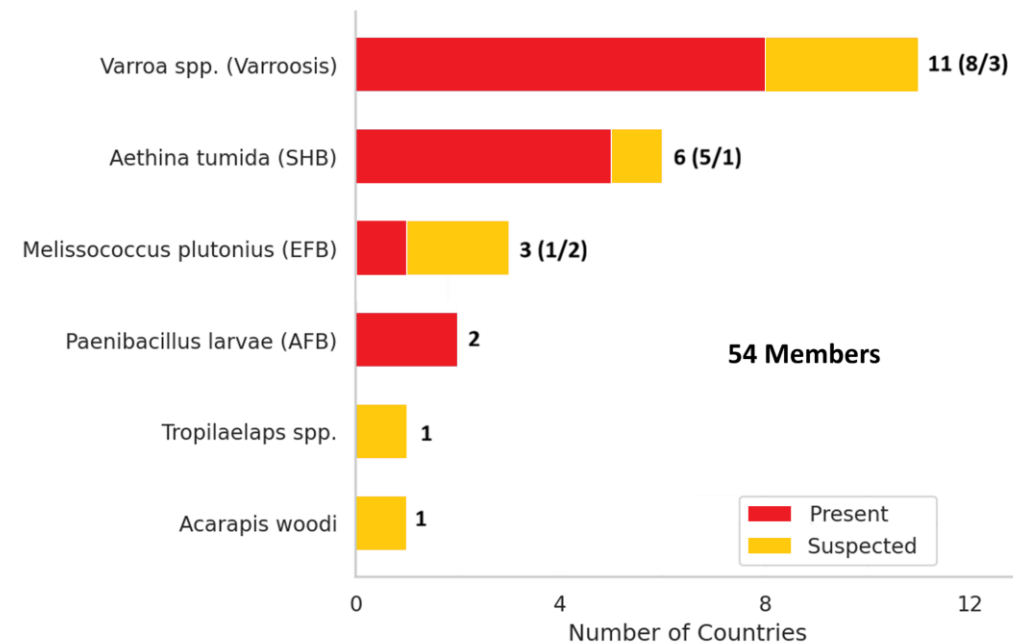
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Situation of bee diseases in Africa: overall picture

WOAH listed diseases of bees as reported by African Members (2021-2026)



Members in Africa reporting bee diseases as present/suspected (2021-2026)



Situation of bee diseases in Africa: overall picture

Most reported listed diseases on the continent

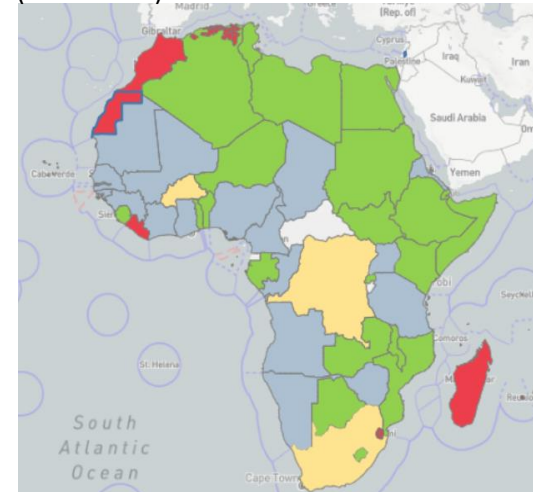
Varroosis (*Varroa spp.*)

- Present in 8 Members/territories (Algeria, Eswatini, Liberia, Morocco, Mauritius, Mayotte, Reunion, Madagascar) and Suspected in 5.
- Only bee disease reported across North, West, Southern, and Insular Africa.

Small hive beetle (*Aethina tumida*)

- Present in 5 Members/territories (Congo DRC, Eswatini, Liberia, Mauritius, Reunion) and Suspected in South Africa.

Situation of *Varroa spp* (inf. with) in Africa (2021-2026)



Situation of *Aethina tumida* (inf. with) in Africa (2021-2026)



Situation of bee diseases in Africa: overall picture

More localised or unconfirmed listed diseases

European Foulbrood (*Melissococcus plutonius*)

- Present only in Reunion and Suspected in Liberia and South Africa.

American Foulbrood (*Paenibacillus larvae*)

- Present only in Reunion and South Africa, and suspected in South Africa.

Tropilaelaps spp. (inf. with) & *Acarapis woodi* (inf. with)

- No confirmed presence reported across the entire continent over the 5 past years
- Only suspected cases: *Tropilaelaps* in DRC and *Acarapis woodi* in Reunion



Thank you

12, rue de Prony, 75017 Paris, France

T. +33 (0)1 44 15 19 49

F. +33 (0)1 42 67 09 87

woah@woah.int

www.woah.org

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