



World
Organisation
for Animal
Health

Organisation
mondiale
de la santé
animale

Organización
Mundial
de Sanidad
Animal

Activities of the World Organisation for Animal Health related to bee health

François Diaz

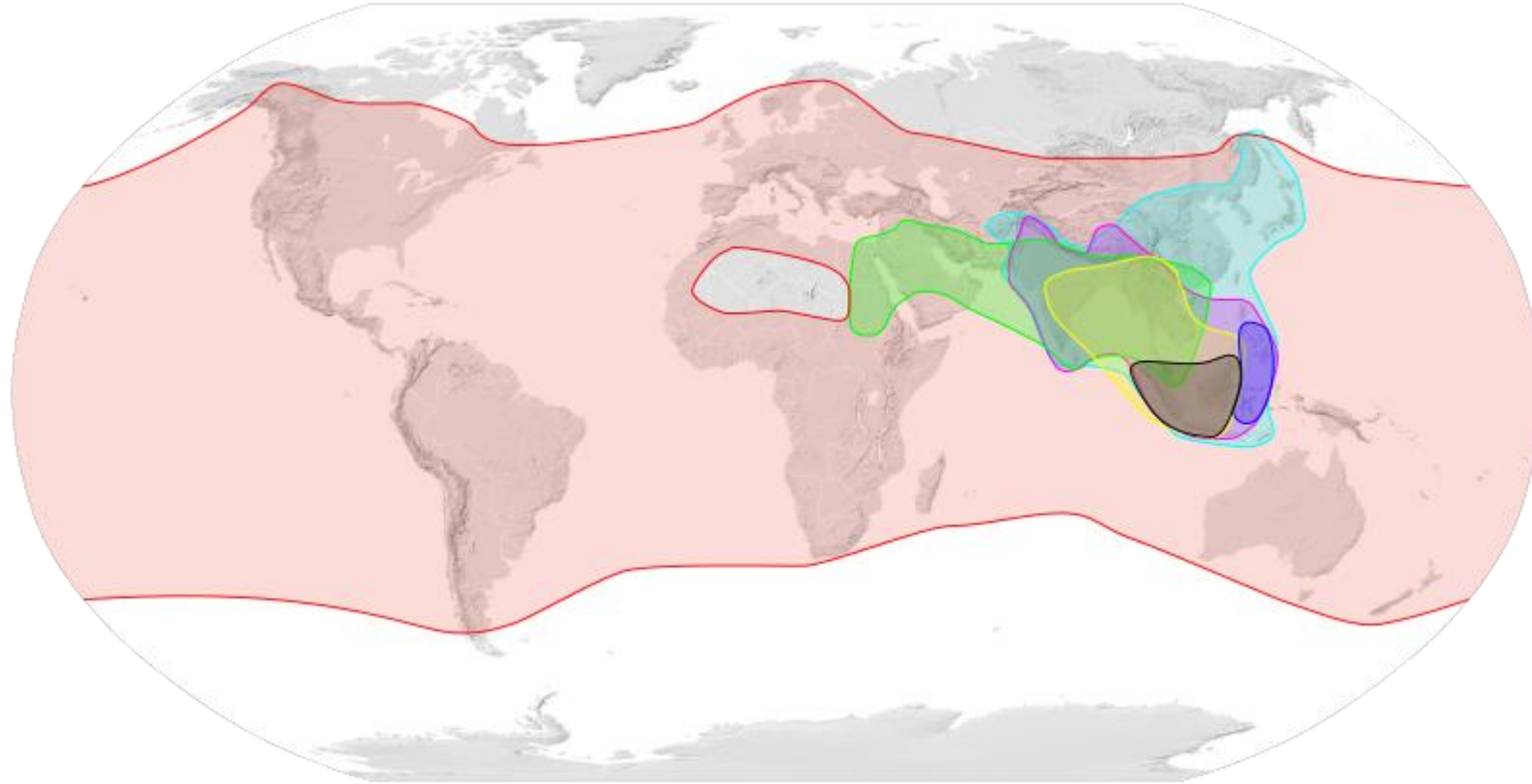
Scientific coordinator for wildlife
and Bees
Emergency, Preparedness and
Resilience Department
WOAH Headquarters

**Integrating Antimicrobial Resistance
Mitigation into Beekeeping Practices in
Eastern Africa
2 – 4 September 2026**

I. - What bees are we talking about?

- WOAHA addresses honey bee which are species of the genus *Apis*.
- While about 20,000 species of bees exist, only eight species of honey bee are recognized: *Apis andreniformis* (the black dwarf honey bee); *Apis cerana* (the eastern honey bee); *Apis dorsata* (the giant honey bee); *Apis florea* (the red dwarf honey bee); *Apis koschevnikovi* (Koschevnikov's honey bee); *Apis laboriosa* (the Himalayan giant honey bee); *Apis mellifera* (the western honey bee); and *Apis nigrocincta* (the Philippine honey bee).
- For one disease (small hive beetle), WOAHA addresses also the *Bombus* and Stingless bees.

I. What bees are we talking about?



■ *Apis andreniformis*

■ *Apis cerana*

■ *Apis dorsata*

■ *Apis florea*

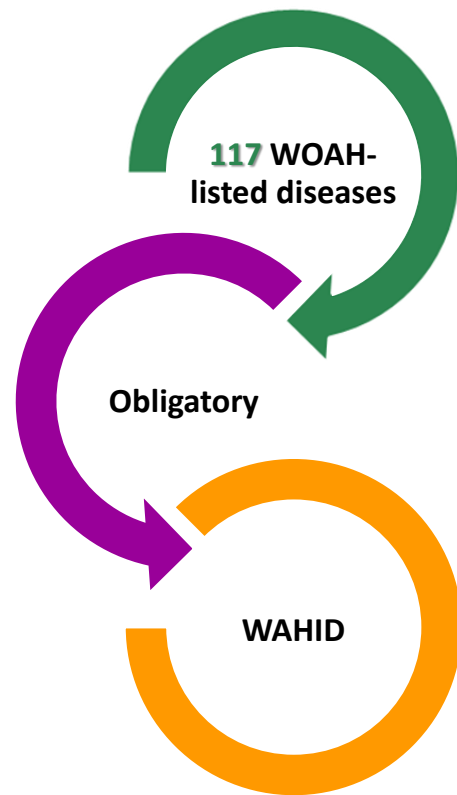
■ *Apis koschevnikovi*

■ *Apis nigrocincta*

■ *Apis mellifera*

II. - World Animal Health Information System in brief

WAHIS



- Notification of the epidemiological situation from all the WOAHL Member Countries to the WOAHL for a limited number of diseases listed by WOAHL and regularly updated as well as for emerging diseases with significant morbidity or mortality, or zoonotic potential.
- Currently, **six bee diseases** are present on this WOAHL list: Acarapisosis of honey bees, American foulbrood of honey bees, European foulbrood of honey bees, Small hive beetle infestation (*Aethina tumida*), Tropilaelaps infestation of honey bees and Varroosis of honey bees.

Codes and ManualsPublicationsDocumentary PortalTraining PlatformANIMUSETRUVETPVSISWildEpiThe Animal EchoBookshopENFR

World Organisation for Animal Health

The State of the World's Animal HealthAnimal DiseasesAntimicrobial resistance

WHO WE AREWHAT WE DOWHAT WE OFFERMEDIA

WAHIS

What we do

We work to improve animal health and welfare across the globe. By collecting, analysing and disseminating veterinary scientific information, we encourage international solidarity in the control of animal health risks. Furthermore, we work across borders to foster a One Health approach, recognising that the health of animals, humans and the environment are interdependent.

Animal Health and Welfare

Standards

Global Initiatives

Publications

Animal Diseases

Disease Data Collection

Animal Welfare

Wildlife Health

Official Disease Status

WAHIS: Animal Health Data

To enable free access to world animal health data, WOA provides Internet users with several computer tools designed to answer specific user needs. The World Animal Health Information System – WAHIS portal provides easy access to these tools, for more accurate results while searching for world animal health information.

Guaranteeing transparency of the world animal health situation is one of the primary missions of WOA. WOA Members have an obligation to submit information on their

health-and-welfare/disease-data-collection/

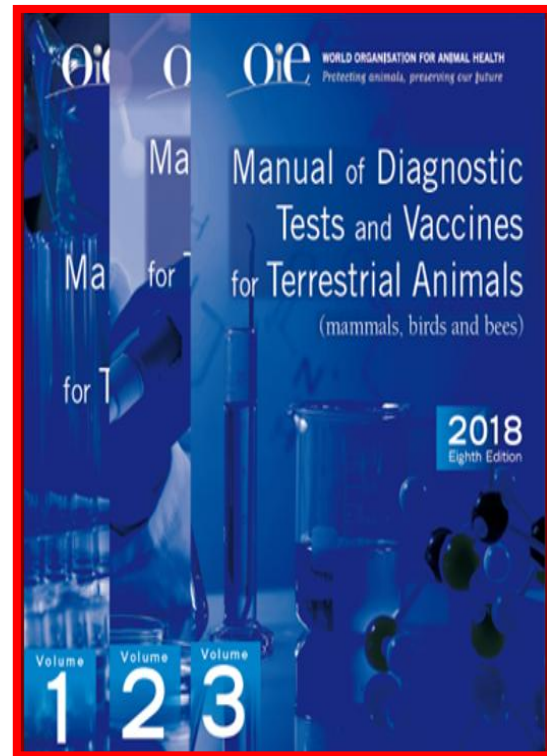
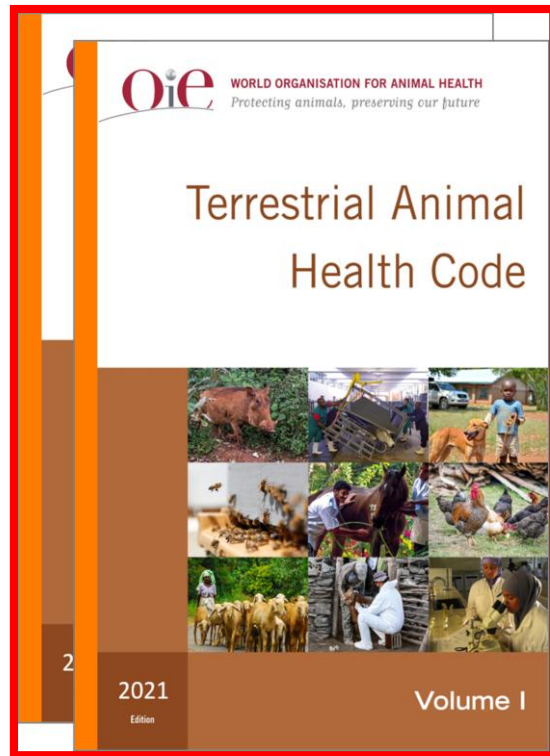


Please scan!

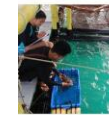


For accessing WAHIS!

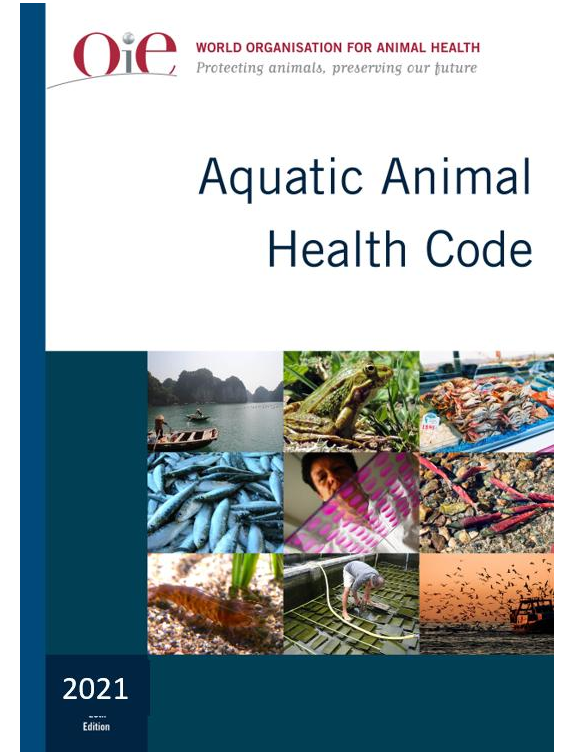
III. - Standards



Manual of Diagnostic Tests for Aquatic Animals



Eighth edition
2021



Codes and Manuals available on the website

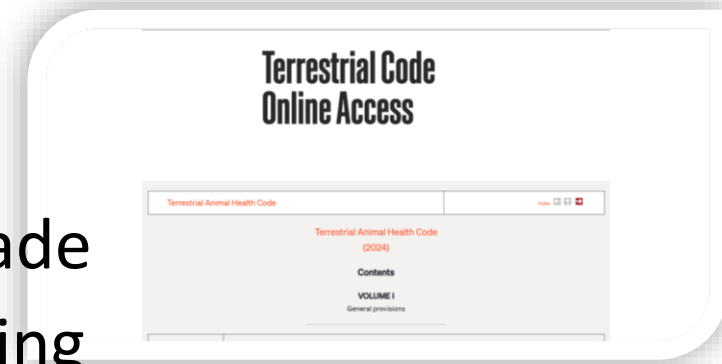


III.1. - Terrestrial Animal Health Code

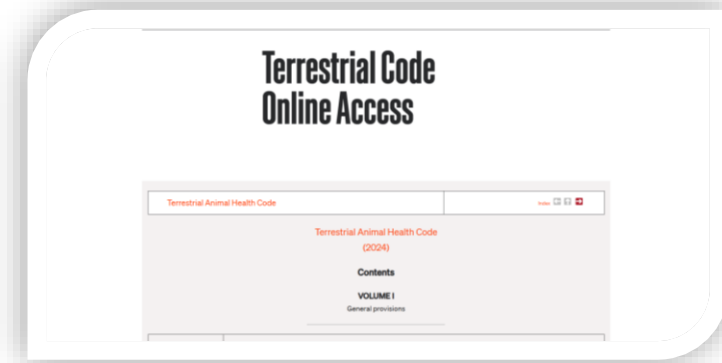
Aim: to assure the sanitary safety of international trade in terrestrial animals and their products, while avoiding unjustified sanitary barriers

It is also an essential tool for supporting the mandate of the WOAHA in the area of improving animal health and welfare world-wide.

Achieved through the detailing of health measures to be used by the veterinary authorities **to avoid the introduction of a new pathogen/pest** in an importing Country through the international trade of live animals and products of animals.



III.1 - Terrestrial Animal Health Code



Chapters relevant for bees in the Terrestrial Code:

Chapter 4.15., Official health control of bee diseases;

Chapter 5.10., Model Veterinary Certificates for International Trade;

Chapters 9.1. to 9.6. covering the six bee diseases included in the WOAHP List (Safe commodities/Determination of the disease status in a country, zone or compartment/Recommendations for importation of live bees and products of bees).

III.1 - Terrestrial Animal Health Code

The screenshot displays the WOAH website's 'What we do' section. The 'Standards' link is circled in red. Below this, the 'WOAH International Standards' link is also circled in red. The 'Latest edition' tab is selected, showing the 'Terrestrial Animal Health Code (2024)'.

World Organisation for Animal Health

The State of the World's Animal Health | Animal Diseases | Antimicrobial resistance

WHO WE ARE | WHAT WE DO | WHAT WE OFFER | MEDIA | WAHIS

What we do

We work to improve animal health and welfare across the globe. By collecting, analysing and disseminating veterinary scientific information, we encourage international solidarity in the control of animal health risks. Furthermore, we work across borders to foster a One Health approach, recognising that the health of animals, humans and the environment are interdependent.

- Animal Health and Welfare
 - Standards**
 - Global Initiatives
 - Publications
- Codes and Manuals
 - Standard-Setting Process
 - Observatory

Latest edition | Recommended Measures for Trade by Commodity

WOAH International Standards

ds/codes-and-manuals/

Search Content

Terrestrial Code Online Access

Terrestrial Animal Health Code

Terrestrial Animal Health Code (2024)

Contents

VOLUME I

General provisions



III.2 - Terrestrial Manual, 2018 (Publication), 2026 (Website)

Aim:

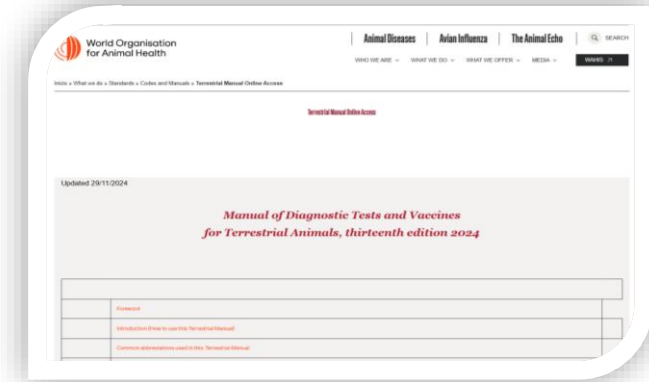
to provide internationally agreed diagnostic laboratory methods and requirements for the production and control of vaccines and other biological products

- Is the companion volume to the *Terrestrial Animal Health Code*

Chapters relevant for the honey bees in the Terrestrial Manual:

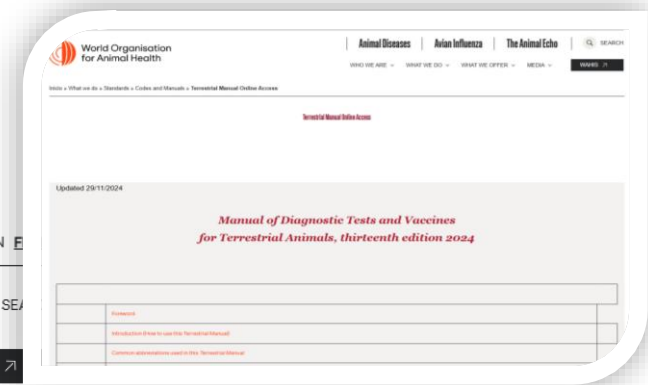
Introductory chapters / Disease-specific chapter for the six honey bees diseases listed by the WOAHA / An Introductory note on bee diseases / One chapter on Nosemosis of honey bees

Essential tool for detection and confirmation of bee pathogens and pests



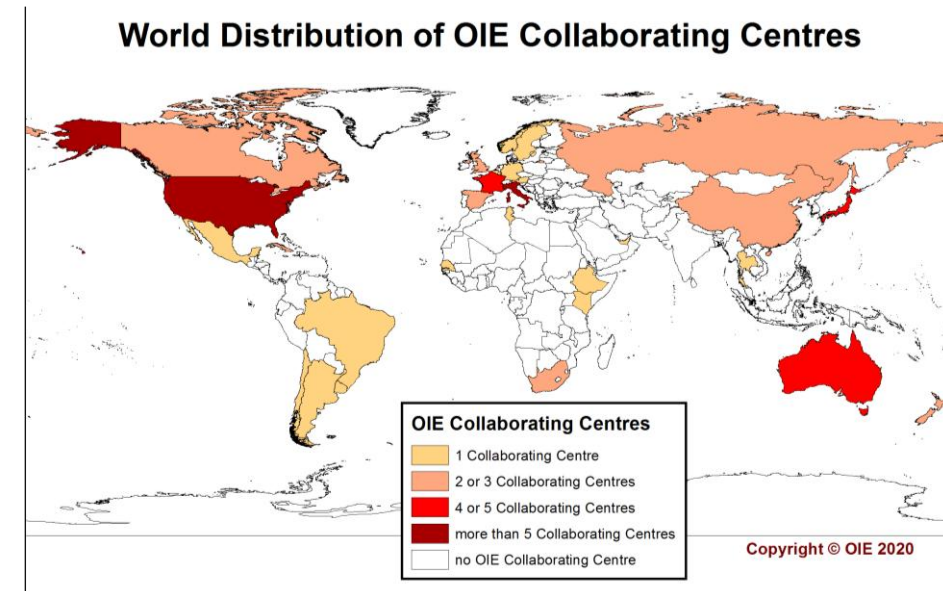
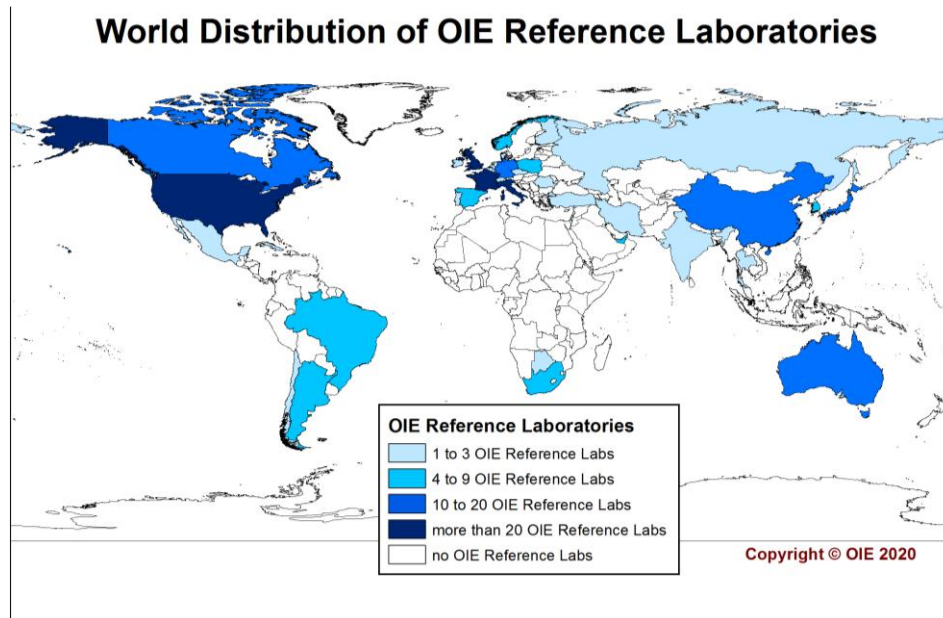
III.2 - Terrestrial Manual, 2018 (Publication), 2026 (Website)

The screenshot displays the WOAH website's 'What we do' section. The main heading 'What we do' is followed by a paragraph: 'We work to improve animal health and welfare across the globe. By collecting, analysing and disseminating veterinary scientific information, we encourage international solidarity in the control of animal health risks. Furthermore, we work across borders to foster a One Health approach, recognising that the health of animals, humans and the environment are interdependent.' Below this, a navigation menu lists 'Animal Health and Welfare', 'Standards' (circled in red), 'Global Initiatives', and 'Publications'. To the right, a sub-menu for 'Standards' includes 'Codes and Manuals' (circled in red), 'Standard Setting Process', and 'Observatory'. At the bottom, a section titled 'WOAH International Standards' (circled in red) features tabs for 'Latest edition' and 'Recommended Measures for Trade by Commodity', along with a 'Search Content' button. The URL 'ds/codes-and-manuals/' is visible in the browser's address bar.



IV. - Other WOAHA tools or initiative relevant for honey bees

1. Expertise - The WOAHA Network of Reference Laboratories and Collaborating Centres



WOAH Listed Diseases

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Infestation of Honey Bees with Tropilaelaps spp.

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American Foulbrood (infection of Honey Bees with Paenibacillus larvae)

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2. Dr Marie-Pierre Chauzat, ANSES, France
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3. Dr. Richard J. Hall, Animal Health Laboratory, Biosecurity, New Zealand
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European Foulbrood (infection of Honey Bees with Melissococcus plutonius)

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WOAH Disease Listed

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Infestation of Honey Bees with *Aethina tumida* (Small Hive Beetles)

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2. Dr Marc O. Schäfer, Friedrich-Loeffler-Institut, Allemagne
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Varroosis (infestation of Honey Bees with *Varroa* spp.)

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3. Dr. Richard J. Hall, Animal Health Laboratory, Biosecurity, New Zealand
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COLLABORATING CENTRES

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segreteria@izslt.it

Bee health in Africa

Good Beekeeping Management Practices and Biosecurity Measures in the Apiculture Sector



Other WOAHA tools or initiative relevant for honey bees

1. Expertise - The WOAHA Network of Reference Laboratories and Collaborating Centres
- 2. Capacity Building - Laboratory Twinning**

Concept: Sustainable enhancement of capacity and expertise by supporting a link between a WOAHA Reference Laboratory or Collaborating Centre (parent) and a national laboratory (candidate) from a developing or in-transition country

Thank you

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