

OIE ACTIVITIES RELATED TO BEE HEALTH



**Bees & Biodiversity:
new cooperations
28 June 2017,
Brussels, Belgium**

**Dr François Diaz
f.diaz@oie.int
OIE Headquarters
Science & New Technologies Department**



WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future

OIE global mandate



OIE key missions

- Transparency of the world animal disease situation
- Sanitary safety of international trade of animals and animal products
- Scientific excellence
- Good Governance of Veterinary Services
- Improve animal health management worldwide
- Food security and safety
- Animal welfare





WORD ANIMAL DISEASE SITUATION



World Animal Disease Situation

- Notification of the epidemiological situation from all the OIE Member Countries to the OIE for a limited number of diseases listed by the OIE 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 OIE 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*.
- More information on OIE website:
<http://www.oie.int/en/animal-health-in-the-world/the-world-animal-health-information-system/the-oie-data-system/>





OIE STANDARDS RELATED TO BEE HEALTH



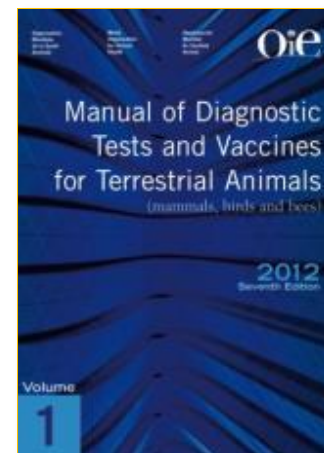
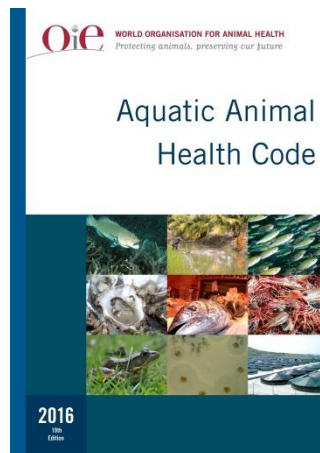
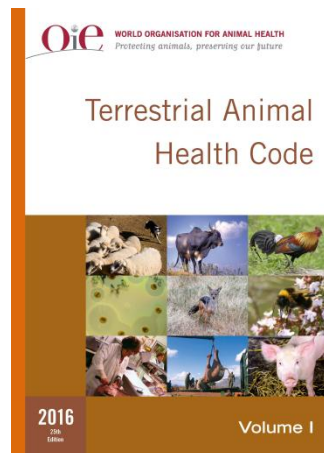
OIE Standards

CODES

- Terrestrial
- Aquatic

MANUALS

- Terrestrial
- Aquatic



Codes and Manuals available on the OIE website



Terrestrial Animal Health Code, 2016

Standards for assuring a **good official health control** of bee diseases and **for the prevention and control of animal diseases as well as for the safe trade of animals and animals products** (mandated under the SPS agreement of the WTO for this)

Chapters relevant:

- Official health control of bee diseases (chapter 4.14)
- Model Veterinary Certificates for International Trade ..., (article 5.10.5 from the chapter 5.10)
- Disease-specific chapter covering the six honey bee diseases included in the OIE List (chapters 9.1 - 9.6)



Manual of Diagnostic tests and vaccines for Terrestrial Animals, 2016

Provides **internationally recommended diagnostic test methods**

Chapters relevant for bee diseases:

- Introductory chapters (section 1.1)
- + An Introductory note on bee diseases (section 2.2)
- Disease-specific chapter for the six honey bees diseases listed by the OIE (chapters 2.2.1 - 2.2.3 , 2.2.5 - 2.2.7)
- **+ One chapter on Nosemosis of honey bees (chapter 2.2.4)**





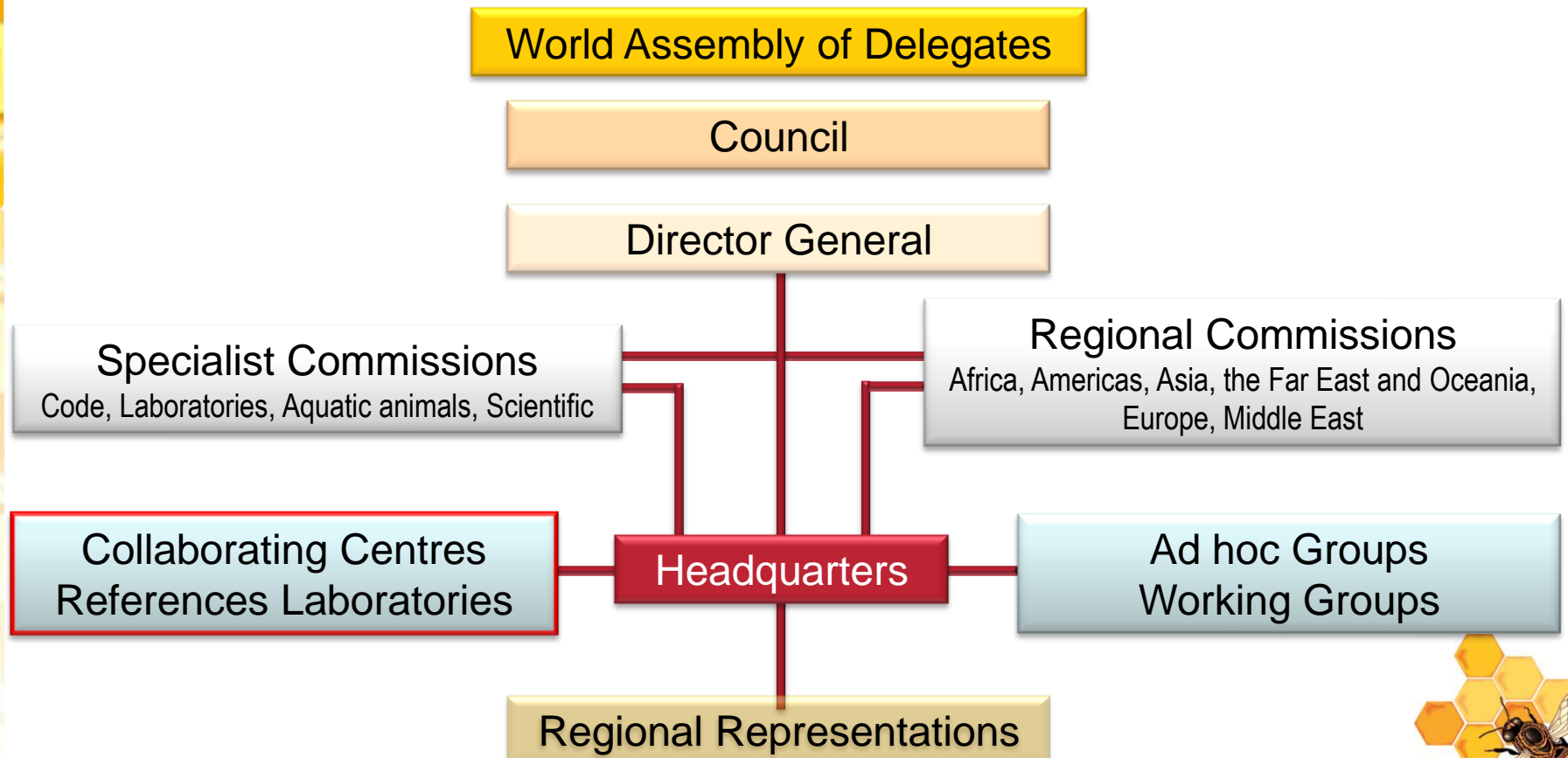
OTHER OIE INITIATIVES RELEVANT FOR BEE HEALTH



Other OIE tools



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



Other OIE tools

1. Expertise - The OIE Network of Reference Laboratories and Collaborating Centres
2. Capacity Building

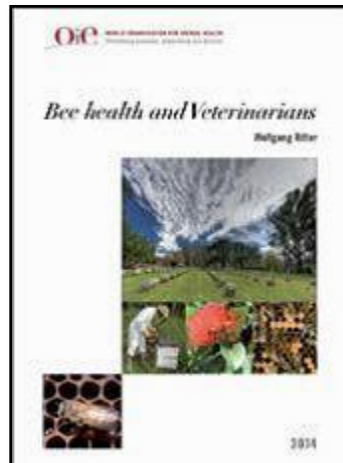
Laboratory Twinning

Evaluation of Performance of Veterinary Services



Other OIE tools

1. Expertise - The OIE Network of Reference Laboratories and Collaborating Centres
2. Capacity Building - OIE Laboratory Twinning
3. Scientific and technical publications



**Bee Health and Veterinarians,
Wolfgang Ritter, Ed. 2014**



**Protecting bees,
preserving our future
OIE *Bulletin*, 2-2014**





Sixth OIE Strategic Plan and potential future activities

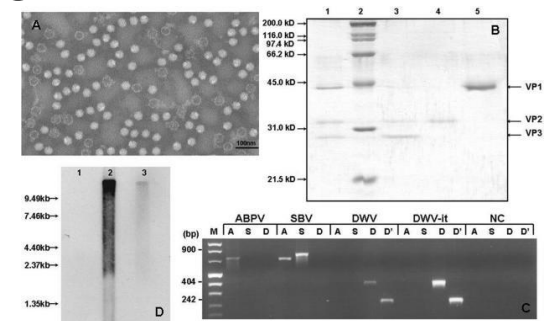


Potential future activities

- Review and update the Bee Diseases listed by the OIE:
- Review Bee Virus Diseases and Pests for potential inclusion
- Remove Bee diseases listed by the OIE that would not anymore fulfill the OIE criteria



<http://www.campogalego.com/>



Gaetana Lanzi and al.,
J Virol. 2006 May; 80(10): 4998–5009



Potential future activities

○ Invasive alien species

Consider the development of new guidelines and training manuals on invasive species.

Examples:

- Risk management of the spread of invasive species by international movement of animals and their products.
- Measures for avoiding the introduction of invasive species.
- Management, surveillance and/or eradication of invasive species



Potential future activities

○ Wild bees and other managed non-Apis bees

Consider the development of new scientific and technical material focused on:

- The interface between managed bees and wild bees
- Other managed bees such as bumble bees, stingless bees and some solitary bees.





Oie

WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future

12 rue de Prony, 75017 Paris, France
www.oie.int – oie@oie.int

Oie

