

OIE #86 SG

Activities of the Aquatic Animal Health Standards Commission Dr Ingo Ernst



Overview

- 1. Aquatic Animal Commission activities
- 2. Developments in aquatic animal health
- 3. Work programme
- 4. Texts proposed for adoption
- 5. Reference Centres
- 6. Texts for comment





Overview

- 1. Aquatic Animal Commission activities
- 2. Developments in aquatic animal health
- 3. Work programme
- 4. Texts proposed for adoption
- 5. Reference Centres
- 6. Texts for comment





Commission members







Aquatic Animals Commission activities

- Since the 2017 General Session, the Aquatic Animals Commission met in:
 - September 2017
 - February 2018
- Electronic work between meetings
- Commission members are observers at the ad hoc Groups meetings





Overview

- 1. Aquatic Animal Commission activities
- 2. Developments in aquatic animal health
- 3. Work programme
- 4. Texts proposed for adoption
- 5. Reference Centres
- 6. Texts for comment





Trends in aquatic animal health

Humans eat more fish than ever

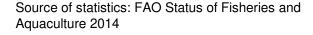
World per capita fish supply is >20kg/person/yr compared to 10 in the 1960s

More fish is farmed than ever

Half of all fish for human consumption is grown in aquaculture

More fish is traded than ever

The value of seafood exports more than doubled in 10 years







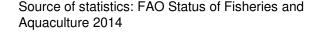
Trends in aquatic animal health

...the consequences of aquatic animal diseases are greater than ever

Aquatic animal diseases <u>have</u>:

- Destroyed fisheries resources (e.g. abalone, sardines)
- Damaged or destroyed farm productivity (e.g. OsHV-1, WSD)
- Destroyed biodiversity (e.g. crayfish plague, chytrid fungus in frogs)
- Damaged economies (e.g. AHPND, ISA).

Implementation of OIE standards







Tilapia lake virus (TiLV)

- Meets the definition of an emerging disease
- TiLV assessed for listing but does not meet criterion 3 "a precise case definition is available and a reliable means of detection and diagnosis exists"



 Reporting (at 2017 GS no countries had reported TiLV).





Tilapia lake virus (TiLV) - actions

- Now reported to OIE Headquarters by 6 countries
- Electronic ad hoc Group on tilapia lake virus convened
 - considered TiLV diagnostics and assay validation
 - reviewed available information on methods for TiLV detection
 - provided advice on additional method development and validation requirements
 - has initiated cooperative work to validate tests and distribute control material.
- Technical disease card revised





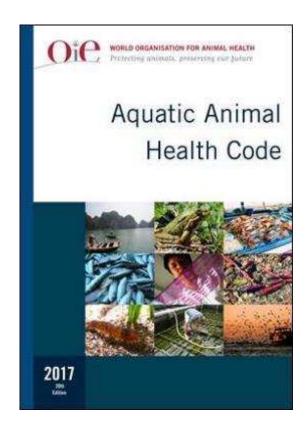
Overview

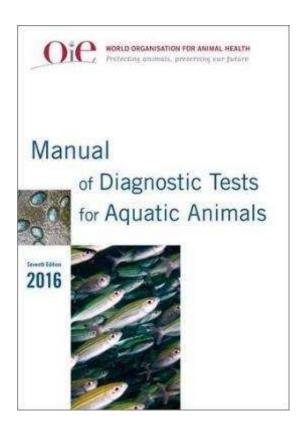
- 1. Aquatic Animal Commission activities
- 2. Developments in aquatic animal health
- 3. Work programme
- 4. Texts proposed for adoption
- 5. Reference Centres
- 6. Texts for comment





Aquatic Code and Manual









Work programme

Aquatic Code

- Ongoing work to apply Criteria for listing species as susceptible (Ch 1.5.)
- New draft chapter on Aquatic animal biosecurity for aquaculture establishments (4.X.)
- Develop principles for determining surveillance periods in disease-specific chapters.





Work programme

Aquatic Manual

- Ongoing work to apply Criteria for listing species as susceptible (Ch 1.5.)
- Apply the new Aquatic Manual disease chapter template





February 2018 meeting report

- 26 texts for adoption
- 8 texts for comment
- 4 annexes for information





February 2018 meeting report

- All Member Countries' comments supported by a rationale, are considered by the Commission
- Explanations to long standing issues provided in previous reports
- Reports of ad hoc Groups, provided as annexes to the Commission reports (and on a dedicated location on the OIE website).





February 2018 meeting report

- Unofficial version of meeting report in English on the Delegates' website
- Official versions (in English, French and Spanish)
- Aquatic Animal Commission reports also available on the OIE website
- Aquatic Focal Points are also notified when meeting reports are uploaded.





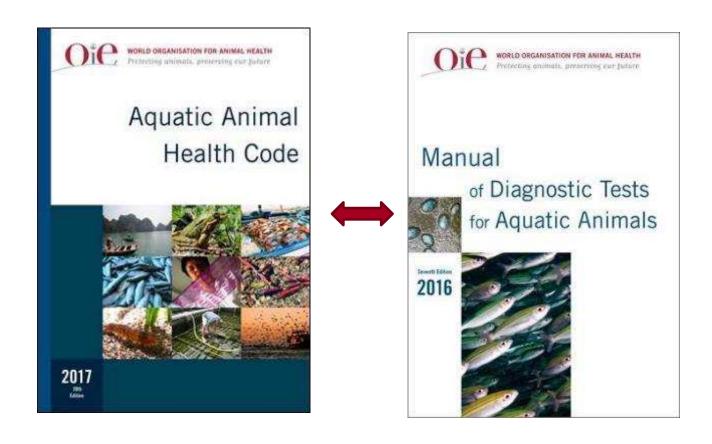
Collaboration with other Commissions

- Regular meetings between President of Aquatic Animals Commission and Presidents of the Terrestrial Code Commission and Biological Standards Commission
- Identify and discuss common issues
- Facilitates harmonisation, as relevant.





Aquatic Code and Manual







Overview

- 1. Aquatic Animal Commission activities
- 2. Developments in aquatic animal health
- 3. Work programme
- 4. Texts proposed for adoption
- 5. Reference Centres
- 6. Texts for comment







Annex 4. Glossary

Annex 5. Diseases listed by the OIE (Chapter 1.3.)

Annex 6. OIE Procedures Relevant to the Agreement on the Application of Sanitary and Phytosanitary Measures of the World Trade Organization (Chapter 5.3.)

Annex 7. Criteria to assess the safety of aquatic animal commodities (Chapter 5.4.)

Annex 8. New draft chapter for Infection with *Batrachochytrium* salamandrivorans (Chapter 8.X.)

Annex 9. Infection with *Batrachochytrium*dendrobatidis (Chapter 8.1.)

Annex 10. Infection with ranavirus (Chapter 8.2.)

Annex 11. Infection with infectious hypodermal and haematopoietic necrosis virus (Articles 9.4.1. and 9.4.2.)

Annexes 12 – 21 Fish disease-specific chapters

- Annex 12. Chapter 10.1. Epizootic haematopoietic necrosis
- Annex 13. Chapter 10.2. Infection with *Aphanomyces invadans* (epizootic ulcerative syndrome)
- Annex 14. Chapter 10.3. Infection with *Gyrodactylus salaris*
- Annex 15. Chapter 10.4. Infection with infectious salmon anaemia virus
- Annex 16. Chapter 10.5. Infection with salmonid alphavirus
- Annex 17. Chapter 10.6. Infectious haematopoietic necrosis
- Annex 18. Chapter 10.7. Koi herpesvirus disease
- Annex 19. Chapter 10.8. Red sea bream iridoviral disease
- Annex 20. Chapter 10.9. Spring viraemia of carp
- Annex 21. Chapter 10.10. Viral haemorrhagic septicaemia

Annex 22. Model Articles X.X.8., X.X.9., X.X.10. and X.X.11.

Aquatic Manual – Annexes 23 to 28

- Annex 23. Ch 2.2.8. White spot disease
- Annex 24. Ch 2.3.1. Infection with Epizootic haematopoietic necrosis virus
- Annex 25. Ch 2.3.3. Infection with *Gyrodactylus salaris*
- Annex 26. Ch 2.3.5. Infection with infectious salmon anaemia virus
- Annex 27. Ch 2.2.3. Infection with infectious hypodermal and haematopoietic necrosis virus (Section 2.2)
- Annex 28. Ch 2.2.1. Acute hepatopancreatic necrosis disease (Section 2.2)



Overview

- 1. Aquatic Animal Commission activities
- 2. Developments in aquatic animal health
- 3. Work programme
- 4. Texts proposed for adoption
- 5. Reference Centres
- 6. Texts for comment





New OIE Reference Laboratories recommended for adoption

Disease	Institution	Expert
Infectious haematopoietic necrosis	Pacific Biological Station – Aquatic Animal Health Laboratory, Fisheries & Oceans Canada, Nanaimo, British Columbia, Canada	Dr Kyle Garver
Viral haemorrhagic septicaemia	Pacific Biological Station – Aquatic Animal Health Laboratory, Fisheries & Oceans Canada, Nanaimo, British Columbia, Canada	Dr Kyle Garver
Acute hepatopancreatic necrosis disease	National Cheng Kung University, Tainan City, Chinese Taipei	Dr Grace Chu- Fang Lo
Infectious haematopoietic necrosis	Animal and Plant Inspection and Quarantine Technical Centre, Shenzhen Exit & Entry Inspection and Quarantine Bureau, Guangdong Province, China (People's Rep. of)	Dr Hong Liu
Koi herpesvirus disease	Friedrich-Loeffler-Institut (FLI), Federal Research Institute for Animal Health, Institute of Infectology, Insel Riems, Germany	Dr Sven M. Bergmann
Viral haemorrhagic septicaemia	Aquatic Animal Quarantine Laboratory, General Service Division, National Fishery Products Quality Management Service, Ministry of Oceans and Fisheries, Busan, Korea (Rep. of)	Dr Hyoung Jun Kim





OIE Reference Laboratories change of expert

Disease	Institution	Previous expert	New expert
Taura syndrome	Aquaculture Pathology Laboratory, School of Animal and Comparative Biomedical Sciences, University of Arizona USA	Dr Kathy Tang- Nelson	Dr Arun K. Dhar





ISO 17025 requirement: OIE Reference Laboratories identified for suspension

Disease	Institution
Infection with <i>Aphanomyces</i> invadans (epizootic ulcerative syndrome)	Kasetsart University Campus, Bangkok, Thailand
White tail disease	C. Abdul Hakeem College, Aquaculture Biotechnology Division, India





OIE Reference Laboratories requested delisting

Disease	Institution	Expert
Infection with Haplosporidium nelsoni	Virginia Institute of Marine Science, Virginia, USA	Dr Ryan Carnegie
Infection with <i>Perkinsus</i> marinus	Virginia Institute of Marine Science, Virginia, USA	Dr Ryan Carnegie
Infection with <i>Perkinsus</i> olseni	Virginia Institute of Marine Science, Virginia, USA	Dr Ryan Carnegie
Infection with Xenohaliotis californiensis	University of Washington, USA	Prof. Carolyn Friedman





Overview

- 1. Aquatic Animal Commission activities
- 2. Developments in aquatic animal health
- 3. Work programme
- 4. Texts proposed for adoption
- 5. Reference Centres
- 6. Texts for comment





Chapters circulated for comment

Aquatic Code

- Annex 29. Glossary "Basic biosecurity conditions"
- Annexes 30A and 30B. Criteria for listing species as susceptible (Chapter 1.5.); clean (A) and track changes (B)
- Annex 31. Infection with salmonid alphavirus (Article 10.5.2)
- Annex 32. Koi herpesvirus disease (Article 10.7.2)
- Annex 33. Spring viraemia of carp (Article 10.9.2)

Aquatic Manual

- Annex 34. Infection with salmonid alphavirus (Chapter 2.3.6.)
- Annex 35. Koi herpesvirus disease (Chapter 2.3.7.)
- Annex 36. Infection with yellow head virus genotype 1 (Chapter 2.2.9.) (Section 2.2.2.)

Deadline is 30th July 2018

Email: standards.dept@oie.int





OIE Global Conference on Aquatic Animal Health

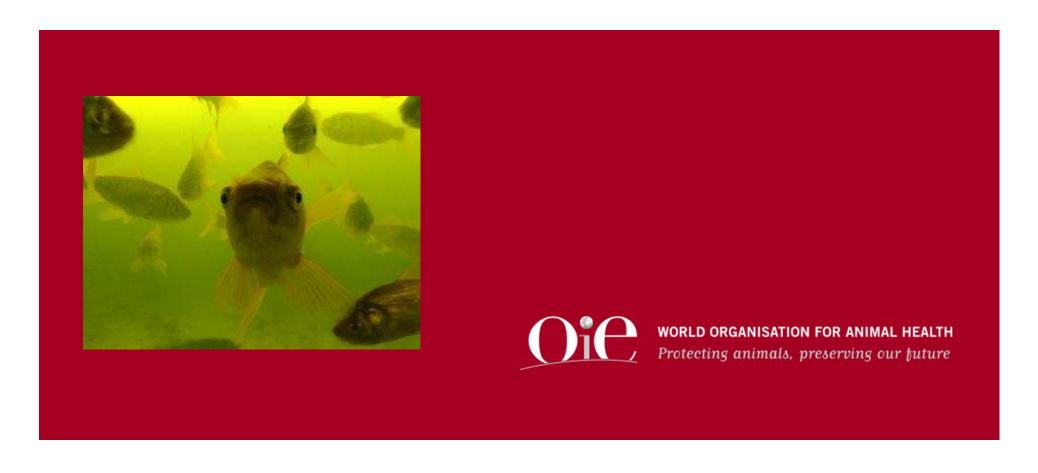
Save the date!

4th OIE Global Conference on Aquatic Animal Health

Santiago, Chile 9 to 11 April 2019



Thank you for your attention



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









