



## Regional Seminar for OIE National Focal Points for Veterinary Products (4th cycle)



 $\begin{array}{c} \text{Entebbe, Uganda} \\ 1-3 \text{ December 2015} \\ \text{English-speaking Africa \& the Middle-East} \end{array}$ 





# Terrestrial and Aquatic Codes and role of the Specialist Commissions

Patrick Bastiaensen

Regional Seminar for OIE National Focal Points for Veterinary Products (4th cycle)



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## Terrestrial and Aquatic Codes and role of the Specialist Commissions

Patrick Bastiaensen

- International standard-setting
- Terrestrial Code
- Aquatic Code
- Revising the standards
- Wrap-up



## OIE's international standards



- The OIE develops and publishes
  - health standards for the prevention and control of animal diseases as well as for the safe trade of animals and animal products
     Codes
  - ✓ biological standards for diagnostic tests and vaccines
    Manuals
- Adopted by OIE Member Countries during the General Session, each May by consensus

Using a science-based approach

## OIE's specialised commissions

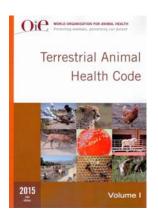


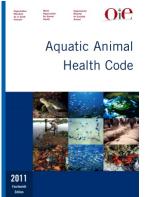
**Terrestrial Animal Health Standards Commission** 

"Code Commission"



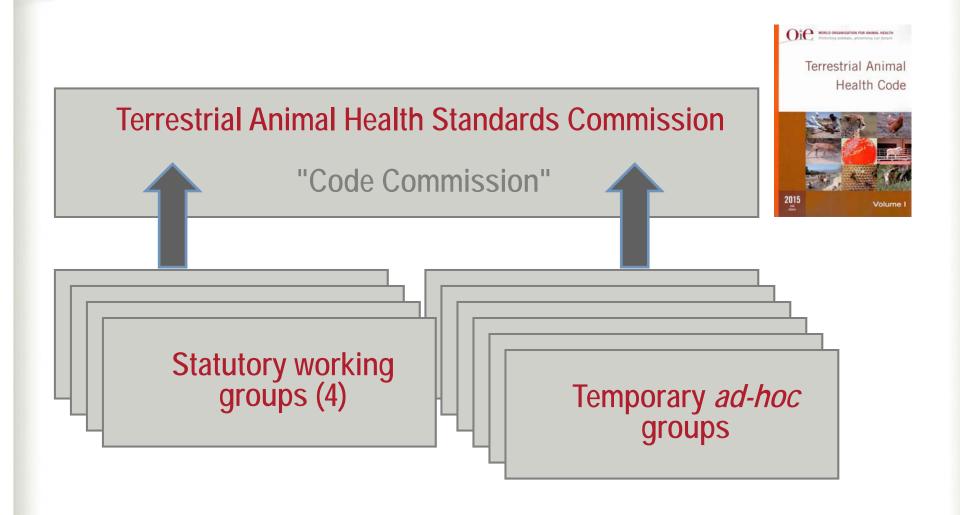
"Aquatic Animals Commission"





## OIE's specialised commissions





## What is the purpose of the Codes?



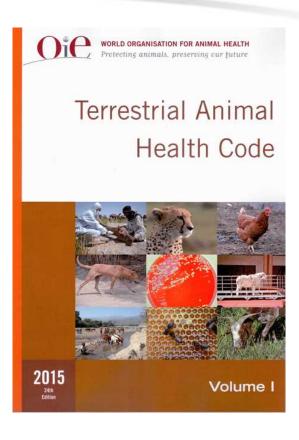
- Primary object is to set recommended actions to be used by *Veterinary Authorities* or other *Competent Authorities*
  - to establish health regulations for the safe importation of animals and animal products
    - > protect animal and human health and guard against zoonotic diseases
  - while avoiding unjustified trade restrictions
- Provide guidance for the setting up and implementation of efficient animal health and public health policies at national level
- Now expanding into animal welfare and food safety



The Codes are **NOT textbooks** on terrestrial or aquatic animal diseases, nor on zoonosis.



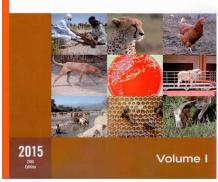
# Terrestrial Animal Health Code





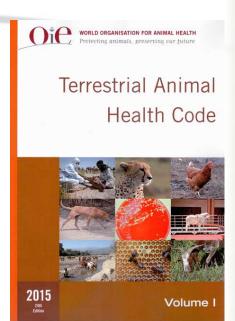
- Volume I: General Provisions
  - Foreword User's guide Glossary
  - Section 1 : Animal disease diagnosis, surveillance and notification
    - Notification of diseases, infections and infestations, and provision of epidemiological information
    - Criteria for the inclusion of diseases, infections and infestations in the OIE list
    - Prescribed and alternative diagnostic tests for OIE listed diseases
    - ✓ Animal health surveillance
    - ✓ Surveillance for arthropod vectors of animal diseases
    - Procedures for self declaration and for official recognition by the OIE







- Volume I: General Provisions
  - Foreword User's guide Glossary
  - Section 1 : Animal disease diagnosis, surveillance and notification
  - Section 2 : Risk analysis
  - Section 3 : Quality of Veterinary Services
    - ✓ Veterinary Services
    - ✓ Evaluation of Veterinary Services
    - Communication
    - ✓ Veterinary legislation





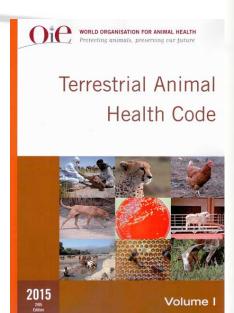
- Volume I: General Provisions
  - Foreword User's guide Glossary
  - Section 1 : Animal disease diagnosis, surveillance and notification
  - Section 2 : Risk analysis
  - Section 3 : Quality of Veterinary Services
  - Section 4 : General recommendations: disease prevention and control
    - ✓ Identification and traceability Chapter 4.2.
    - ✓ Zoning and compartmentalisation
    - ✓ Semen collection and processing
    - ✓ Disposal of dead animals
    - General recommendations on disinfection and disinsection







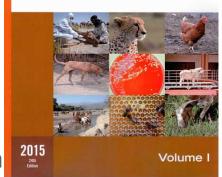
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  - Foreword User's guide Glossary
  - Section 1 : Animal disease diagnosis, surveillance and notification
  - Section 2 : Risk analysis
  - Section 3 : Quality of Veterinary Services
  - Section 4 : General recommendations: disease prevention and control
    - Official health control of bee diseases
    - Hygiene precautions, identification, blood sampling and vaccination
    - ✓ High health status horse subpopulation





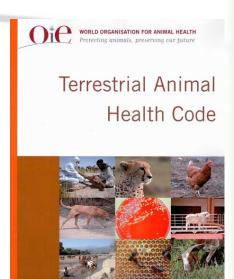
- Volume I : General Provisions
  - Section 5 : Trade measures, import/export procedures and veterinary certification
    - Certification procedures
    - The Agreement on the Application of Sanitary and Phytosanitary Measures of the World Trade Organization
    - ✓ Animal health measures applicable before and at departure, and during transit
    - Border posts and quarantine stations in the importing country
    - ✓ Animal health measures applicable on arrival
    - ✓ International transfer and laboratory containment of animal pathogens
    - Quarantine measures applicable to non-human primates
    - Model veterinary certificates for international trade







- Volume I: General Provisions
  - Section 5 : Trade measures, import/export procedures and veterinary certification
  - Section 6 : Veterinary Public Health
    - ✓ The role of the Veterinary Services in food safety
    - Ante- and post-mortem meat inspection
    - ✓ Animal feed
    - ✓ Biosecurity procedures in poultry production and prevention, detection and control of Salmonella in poultry
    - ✓ Antimicrobial resistance (5 chapters)
    - ✓ Zoonoses transmissible from non-human primates



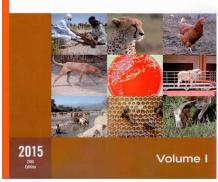
2015

Volume I



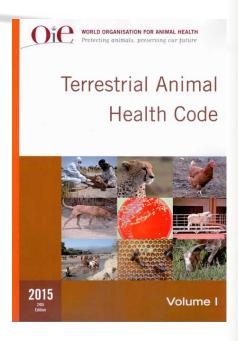
- Volume I: General Provisions
  - Section 5 : Trade measures, import/export procedures and veterinary certification
  - Section 6 : Veterinary Public Health
  - Section 7 : Animal welfare
    - ✓ Introduction to the recommendations for animal welfare
    - ✓ Transport of animals by sea, land and air
    - ✓ Slaughter of animals and killing of animals for disease control purposes
    - Stray dog population control
    - ✓ Use of animals in research and education
    - ✓ Beef cattle, dairy cattle and broiler chicken production systems





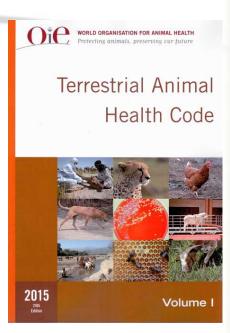


- Volume II : Recommendations applicable to OIE Listed diseases and other diseases of importance to international trade
  - Section 8 : Multiple species
  - Section 9 : Apidae
  - Section 10 : Aves
  - Section 11 : Bovidae
  - Section 12 : Equidae
  - Section 13 : Leporidae
  - Section 14 : Ovidae and capridae
  - Section 15 : Suidae





- Volume II : Recommendations applicable to OIE Listed diseases and other diseases of importance to international trade
  - Section 8 : Multiple species
    - ✓ Anthrax
    - ✓ Aujeszky's disease
    - ✓ Bluetongue
    - ✓ Brucella abortus, B. melitensis and B. suis
    - ✓ Echinococcus granulosus and Echinococcus multilocularis
    - ✓ Epizootic hemorrhagic disease
    - Foot and mouth disease
    - ✓ Etc...



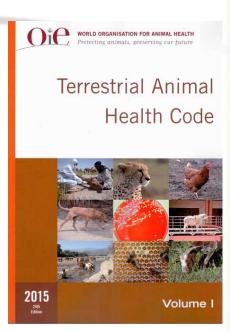


 Volume II : Recommendations applicable to OIE Listed diseases and other diseases of importance to international trade



Chapters are increasingly being renamed based on pathogen, rather than disease name

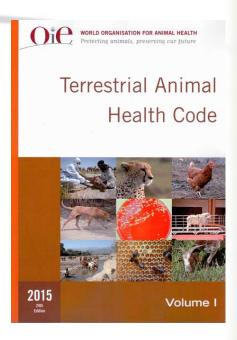
- Enzootic abortion of ewes becomes "infection with Chlamydophila abortus"
- Contagious bovine pleuropneumonia (CBPP) becomes
   "infection with Mycoplasma mycoides subsp. mycoides SC"





## In each disease chapter, articles may include:

- Brief description of pathogen/ disease/ infection, incubation period for the purposes of trade (determining quarantine period and other risk mitigation procedures)
- How to determine the status of a country,
   zone or compartment\*
- What are the 'safe' commodities, irrespective of status (if possible)
- What are the recommendations for 'unsafe' commodities
- Inactivation procedures for the pathogen in question
- Specific guidelines for surveillance





## OIE Code: bTB as an example

- Disease specific Chapter 11.5. -

## Article 1: "general provisions"

General provisions



The recommendations in this chapter are intended to manage the human and animal health risks associated with *Mycobacterium bovis (M. bovis)* infection in domestic (permanently captive and owned free-range) bovines including cattle (*Bos taurus, B. indicus and B. grunniens*), water buffaloes (*Bubalus bubalis*) and wood bisons (*Bison bison and B. bonasus*).

Standards for diagnostic tests are described in the Terrestrial Manual.

Article: "safe commodities"

None

## Article 2: "Country or zone free from bTB"

To qualify as free from bovine tuberculosis, a country or zone should satisfy the following requirements:

- *M. bovis* infection in domestic (...) bovines including cattle, water buffaloes and wood bisons is a notifiable disease in the country;
- an ongoing awareness programme should be in place to encourage reporting of all cases suggestive of bovine tuberculosis;
- regular and periodic testing of all cattle, water buffalo and wood bison herds demonstrated that *M. bovis* infection was not present in at least 99.8% of the herds and 99.9% of the cattle, water buffaloes and wood bisons in the country or zone for three (3) consecutive years;
- a surveillance programme should be in place to detect bovine tuberculosis in the country or zone through ante- and post-mortem inspection as described in Chapter 6.2.;
- etc...

## Article 3: "Compartment free from bTB"

To qualify as a compartment free from bovine tuberculosis, all cattle, water buffaloes or wood bisons in a compartment should be certified by the Veterinary Authority as satisfying the following requirements:

- the cattle, water buffaloes and wood bisons showed no sign of bovine tuberculosis or lesions at ante- or post-mortem inspections for at least three consecutive years, etc....
- cattle, water buffaloes and wood bisons introduced into the compartment come from a herd free from bovine tuberculosis. This condition may be waived for animals which have been isolated for at least 90 days, etc...
- cattle, water buffaloes and wood bisons in a compartment free from bovine tuberculosis are protected from contact with wildlife reservoirs of bovine tuberculosis and are managed under a common biosecurity plan protecting them from contamination with *M. bovis, ...*

## Article 4: "Herd free from bTB"

To qualify as a herd free from bovine tuberculosis, a herd of cattle, water buffaloes or wood bisons should satisfy the following requirements:

 the herd is in a country, zone or compartment free from bovine tuberculosis and is certified free by the Veterinary Authority;

or

- cattle, water buffaloes and wood bisons in the herd:
  - showed no sign of bovine tuberculosis or lesions at ante- or postmortem inspections for at least one year;
  - were over six weeks of age at the time of the first test and have shown a negative result to at least two tuberculin tests carried out at a minimal interval of six months; in case of regaining of free status after an outbreak, the first test should be performed at least six months following the slaughter of the last affected animal; etc....

# Article 5: "Recommendations for the importation of cattle, water buffaloes and wood bisons for breeding"

Veterinary Authorities of importing countries should require the presentation of an international veterinary certificate attesting that the animals:

- showed no sign of bovine tuberculosis on the day of shipment;
- originate from a herd free from bovine tuberculosis that is in a country, zone or compartment free from bovine tuberculosis; or
- were subjected to the tuberculin test for bovine tuberculosis with negative results during the 30 days prior to shipment and come from a herd free from bovine tuberculosis;

or

have been isolated for at least 90 days prior to entry into the herd including
protection from contact with wildlife reservoirs of bovine tuberculosis and were
subjected to at least two tuberculin tests carried out at a six-month interval with
negative results with the second tuberculin test performed during the 30 days
prior to entry into the herd.

# Article 6: "Recommendations for the importation of cattle, water buffaloes and wood bisons for slaughter"

Veterinary Authorities of importing countries should require the presentation of an international veterinary certificate attesting that the animals:

- showed no sign of bovine tuberculosis on the day of shipment;
- originated from a herd free from bovine tuberculosis

or

were subjected to a tuberculin test for bovine tuberculosis with negative results during the 30 days prior to shipment;

 were not being eliminated as part of an eradication programme against bovine tuberculosis. Article 7: "Recommendations for the importation of semen of cattle, water buffaloes and wood bisons"

Article 8: "Recommendations for the importation of embryos/ova of cattle, water buffaloes and wood bisons"

# Article 9: "Recommendations for the importation of fresh meat and meat products of cattle, water buffaloes and wood bisons"

Veterinary Authorities of importing countries should require the presentation of an international veterinary certificate attesting that the entire consignment of meat comes from animals which have been subjected to ante- and post-mortem inspections as described in Chapter 6.2

# Article 10: "Recommendations for the importation of milk and milk products of cattle, water buffaloes and wood bisons"

Veterinary Authorities of importing countries should require the presentation of an international veterinary certificate attesting that the consignment:

has been derived from animals in a herd free from bovine tuberculosis;

or

was subjected to pasteurisation;

or

 was subjected to a combination of control measures with equivalent performance as described in the Codex Alimentarius Code of Hygienic Practice for Milk and Milk Products. Article: "Surveillance"

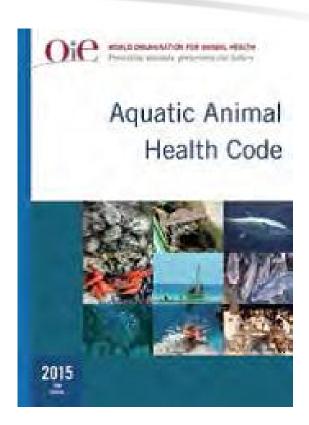
None

Article: "Countries or zones applying for recognition of freedom"

None (not applicable / self-declaration only)



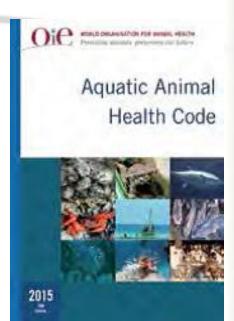
# Aquatic Animal Health Code





## Only 1 volume

- Foreword User's guide Glossary
- Section 1 : Notification, diseases listed by the OIE and surveillance for aquatic animals
  - ✓ Notification of diseases, and provision of epidemiological information
  - Criteria for listing aquatic animal diseases
  - Diseases listed by the OIE
  - ✓ Aquatic animal health surveillance
  - Criteria for listing species as susceptible to infection with a specific pathogen





## Only 1 volume

- Foreword User's guide Glossary
- Section 1 : Notification, diseases listed by the OIE and surveillance for aquatic animals
- Section 2 : Risk Analysis
- Section 3 : Quality of Aquatic Animal Health Services
- Section 4 : Disease prevention and control
  - ✓ Zoning and compartmentalisation
  - Disinfection/ Surface disinfection of salmonid eggs
  - Contingency planning
  - ✓ Fallowing in aquaculture
  - ✓ Handling, disposal and treatment of aquatic animal waste
  - Control of pathogenic agents in aquatic animal feed







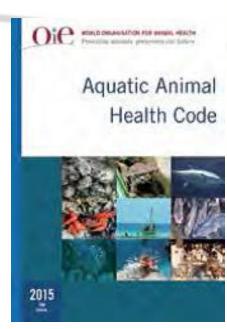
- Section 5 : Trade measures, importation / exportation procedures and health certification
  - Certification procedures
  - The Agreement on the Application of Sanitary and Phytosanitary Measures of the World Trade Organization
  - Criteria on the safety of aquatic animal commodities
  - Control of aquatic animal health risks associated with transport of aquatic animals
  - Aquatic animal health measures applicable before and at departure, and during transit
  - ✓ Border posts in the importing country and aquatic animal health measures applicable on arrival
  - Measures concerning international transport of aquatic animal pathogens and pathological material
  - ✓ Model health certificates for international trade in live aquatic animals and products of aquatic animal origin



2015

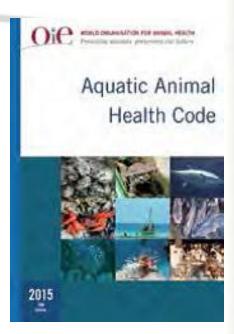


- Section 5 : Trade measures, importation / exportation procedures and health certification
- Section 6 : Antimicrobial use in aquatic animals
  - ✓ Introduction to the recommendations for controlling antimicrobial resistance
  - Principles for responsible and prudent use of antimicrobial agents in aquatic animals
  - Monitoring of the quantities and usage patterns of antimicrobial agents used in aquatic animals
  - Development and harmonisation of national antimicrobial resistance surveillance and monitoring programmes for aquatic animals
  - ✓ Risk analysis for antimicrobial resistance arising from the use of antimicrobial agents in aquatic animals





- Section 5 : Trade measures, importation / exportation procedures and health certification
- Section 6 : Antimicrobial use in aquatic animals
- Section 7 : Welfare of farmed fish
  - Introduction to recommendations for the welfare of farmed fish
  - Welfare of farmed fish during transport
  - ✓ Killing of farmed fish for disease control purposes
  - ✓ Welfare aspects of stunning and killing of farmed fish for human consumption



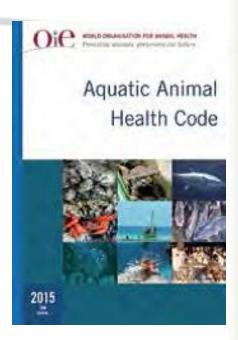


Section 8 : Diseases of amphibians

Section 9: Diseases of crustaceans

Section 10 : Diseases of fish

Section 11 : Diseases of molluscs



Recommendations to prevent the disease in question being introduced into the importing country



• OIE general website : www.oie.int



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- > First official visit by the President of Mongolia to OIE
- > SAVE THE DATE: Agriculture in a Post-Kvoto Terrain
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#AntibioticResistance

#### WORLD ANTIBIOTIC AWARENESS WEEK

16-22 NOVEMBER 2015

Discover the new OIE web portal on antimicrobial resistance

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#### Editorial

Risks associated with the use of antimicrobials in animals worldwide



The World Organisation for Animal Health (OIE) has evaluated the quality of national animal health systems, including Veterinary Services...

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#### Publications and documentation

- > Online Bookshop
- \* Catalogue
- > Scientific and Technical Review

#### Most recent issues:

- \* New developments in major vector-borne diseases Part I: An overview, Vol. 34 (1), April 2015
- \* One Health, Vol. 33 (2), August 2014

#### Plurithematic issue: peer-reviewed papers

- > Bulletins online (OIE Magazine): Latest issue
- Document database

#### Latest disease alerts

18.11.15: Rabbit haemorrhagic disease in Benin

→ Latest news on animal diseases



- Legal basis of disease notification
- Disease distribution maps



#### Specific issues

#### Antimicrobial resistance



#### Food safety



90 years of the OIE

OIE A-Z

#### Rabies elimination



Animal welfare



Biodiversity

- PPR (Peste des petits ruminants): Global Strategy
- PPR: recommendations from the FAO/OIE international conference - Abidjan, Côte d'ivoire
- Foot and mouth disease: recommendations from the FAO/OIE global conference - Bangkok, Thailand
- Foot and mouth disease: Global Strategy
- Biological threat reduction
- > Veterinary Education Core Curriculum
- Competencies of graduating veterinarians

#### Official disease status

#### **OIE World Conferences**

> 10-11 December 2015 Global elimination of dogmediated human rabies - The Time Is Now!

Geneva (Switzerland)



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#### Plurithematic issue: peer-reviewed papers

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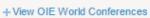
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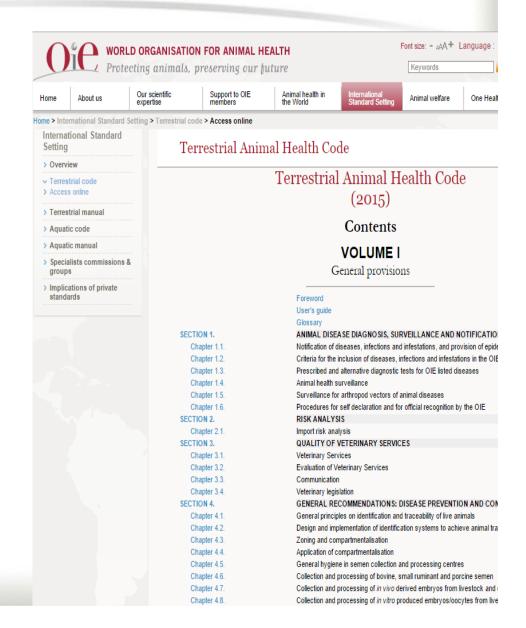
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Risks associated with the use of antimicrobials in animals worldwide  The World Organisation for Animal Health (OIE) has evaluated the quality of national animal health systems, including Veterinary Services  - Specialist	sks associated with the use of timicrobials in animals worldwide  The World Organisation for Animal Health (OIE) has evaluated the quality of national animal health systems, including  * Consider the Bookshop  * Catalogue  * Catalogue  * Scientific and Technical Review  * Specialists commissions & groups  * Code Commission & Reports  * Aquatic manual  * Access online  * Specialists commissions & groups  * Code Commission & Reports  * Aquatic manual  * Access online  * Specialists commissions & groups  * Code Commission & Reports  * Aquatic manual  * Access online  * Specialists commissions & groups  * Code Commission & Reports  * Aquatic manual  * Access online  * Access online					ps
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Today: 171 Yesterday: 237 Total: 102044



## WHO, OIE, FAO and GARC call to invest in defeating human rabies

Leading organizations urging countries to develop approprite investment strategies ...

Dog vaccination





Recent outbreaks and epidemiological events in the Middle East (as notified to the OIE)

16/11/2015 Foot and mouth disease, Turkey

19/10/2015 Foot and mouth disease, Saudi Arabia

15/09/2015 Lumpy skin disease, Saudi Arabia

24/08/2015 Lumpy skin disease, Kuwait

15/08/2015 H. P. Avian influenza, Turkey

14/08/2015 H. P. Avian influenza, Autonomous Palestinian

Territories All notifications





OIE general website : www.oie.int

- OIE Regional websites
  - For the Middle-East:

rr-middleeast.oie.int

• For Africa: rr-africa.oie.int



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- Representations
- Regional Commission
  OIE delegates
- OIE focal points
- Veterinary councils
- "Veterinary training OIE mandates
- Reference centres
  Regional programmes
- Library
  Contacts
  Links



18/11/2015 Benin: Rabbit haemorrhagic dis 13/11/2015 Mauritania: Contagious bovine | 12/11/2015 South Africa: Low pathogenic a 06/11/2015 Mauritania: Rift Valley fever

Fraud Warning > A letter having the appearance of an official invitation letter fr OIE is currently circulating. THIS LETTER IS FRAUDULENT AND HAS NOT BI SHOULD NOT RESPOND TO IT.



Paris, 23 November 2015. The OIE invites applications from suitable applinternational technical assistant for the regional component of the anima Regional Project for Support to Pastoralism in the Sahel (PRAPS)...



## Thank you for your attention!





WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future