Animal Health Information

OIE Regional Workshop for Newly Assigned Delegates
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OIE Animal Health Information Systems

Objectives

✓ To ensure transparency in the global animal disease situation including zoonosis
✓ To improve knowledge of the global animal health situation for safe international trade
Animal Health Information Systems

Obligation for Notification

✓ By deciding to join the OIE, a country/territory accepts explicitly to fulfill its international commitment to notify the OIE as laid down in Chapter 1.1.2. of the Terrestrial Code and Chapter 1.2.1. of the Aquatic Code on notification of diseases and epidemiological information.
Obligation for Notification

✓ Notification means the procedure by which
   (1) Veterinary Administrations informs the OIE Central Bureau,
   (2) the OIE Central Bureau informs Vet. Admini. of the suspicion or confirmation of an outbreak of disease or other epidemiological event, according to the provisions of Chapter 1.1.2 (terrestrial) /Chapter 1.2.1 (aquatic).
Animal Health Information Systems

Collection and Distribution of Animal Health Information

✓ To pose an international threat to animal or human health

*OIE Members shall make available to other Members, through the OIE, whatever information is necessary to minimize the spread of important animal diseases and to assist in achieving better worldwide control of these diseases.
Animal Health Information Systems

OIE Listed Diseases

✓ Criteria for listing diseases
  (Chapter 2.1.1. of the OIE Terrestrial Animal Health Code)
  * Capacity for international spread
  * Capacity for significant spread within naive populations
  * Zoonotic potential
  * Emerging disease
Animal Health Information Systems

OIE Listed Diseases - Decision Tree

INTERNATIONAL SPREAD
• Has international spread been proven on three or more occasions? OR
• Are more than three countries with populations of susceptible animals free of the disease or facing impending freedom (based on Code provisions, especially Appendix 3.8.1)? OR
• Do OIE annual reports indicate that at least three countries with susceptible populations are reporting absence of the disease?

EMERGING
(A newly recognised pathogen or known pathogen behaving differently)
• Is there rapid spread and/or apparent zoonotic properties?

NO

YES

ZOO NOTIC
• Has transmission to humans been proven? (with the exception of artificial circumstances) AND
• Is human infection associated with severe consequences? (death or prolonged illness)

SIGNIFICANT SPREAD IN NAIVE POPULATIONS
• Does the disease exhibit significant mortality at level of a country or zone? AND/OR
• Does the disease exhibit significant morbidity at the level of a country or zone?

NO

YES

INCLUDE

NO

YES

INCLUDE

EXCLUDE

EXCLUDE
Categories of listed diseases

(Chapter 2.1.1., Terrestrial Animal Health Code)

* Multiple species diseases; e.g. Foot and mouth disease, Rinderpest, Rabies, etc.
* Cattle diseases; e.g. BSE, Contagious bovine pleuropneumonia, etc.
* Sheep and goat diseases; e.g. Peste des petits ruminants, etc.
* Equine diseases
* Swine diseases; e.g. Classical swine fever, etc.
* Avian diseases; e.g. HPAI, Newcastle disease, etc.
* Lagomorph diseases
* Bee diseases
* Other diseases; Leishmaniosis, etc.
Animal Health Information Systems

OIE Listed Diseases

✓ Criteria for listing diseases

(Chapter 1.2.2. of the OIE Aquatic Animal Health Code)

* Consequences caused by the disease

* Spread – infectious aetiology of the disease, potential for international spread and existance of free countries/zones

* Diagnosis – existance of a repeatable and robust means of detection/diagnosis
Animal Health Information Systems

OIE Listed Diseases

✓ Categories of listed diseases

(Chapter 1.2.3., Aquatic Animal Health Code)

*Diseases of fish
*Diseases of molluscs
*Diseases of crustaceans

(*Diseases of amphibians are proposed to be included in the Aquatic Code. The updated Chapter on listed disease will be proposed to the OIE International Committee for adoption at the next General Session (Paris, France, 25-30 May 2008))
Notification procedures (terrestrial)

✅ Immediate notification – within 24 hours
  - The first occurrence of an OIE-listed disease or infection in a county/territory or zone/compartment;
  - The re-occurrence of a listed disease or infection in a country/territory or zone/compartment following a report by the Delegate of the Member declaring the previous outbreak(s) closed;
Immediate notification – within 24 hours (cont’d)
- The first occurrence of a new strain of a pathogen of a listed disease in a country/territory or zone/compartment;
- A sudden and unexpected increase in morbidity or mortality caused by an existing listed disease;
Animal Health Information Systems

Notification procedures (terrestrial)

- Immediate notification – within 24 hours (cont’d)
  - An emerging disease with significant morbidity/mortality or zoonotic potential;
  - Evidence of change in the epidemiology of a listed disease (including host range, pathogenicity, strain of causative pathogen), in particular if there is a zoonotic impact.
Animal Health Information Systems

Notification procedures (aquatic)

✓ Immediate notification – within 24 hours

- The first occurrence or the re-occurrence of an OIE-listed disease in a country/territory or zone/compartment of the country/territory previously considered to be free of the disease;
- Any occurrence of a listed disease in a new host species;
Immediate notification – within 24 hours (cont’d)

- Any occurrence of a listed disease caused by a new strain of the pathogen or in a new disease manifestation;
- Any occurrence of a listed disease, if the disease has newly recognised zoonotic potential;
- Any occurrence of an emerging disease or pathogenic agent if the event is of epidemiological significance to other countries/territories.
Animal Health Information Systems

Notification procedures (terrestrial & aquatic)

✓ **Weekly reports:** Follow-up to the immediate notification to inform on progress of the epidemiological situation (follow-up reports)

Continue to submit information in six-monthly reports

- ‘Resolved’
- or
- ‘Has become endemic’

Final report
The obligation of Members is to report regularly on OIE-listed diseases at least once each six months (Six-monthly report).

- Information could be provided by monthly breakdown (for each month of the period) by first administrative division (e.g. by State for the U.S.A., Province for Canada, etc.)

*Template 1 (recommended for present diseases): By first administrative division and by month
Animal Health Information Systems

OIE Monitoring System (terrestrial & aquatic)

✓ The obligation of Members is to report regularly on OIE-listed diseases at least once each six months (Six-monthly report).

- Other templates:
  Template 2: For the whole country by month
  Template 3: By first administrative division for the six months period
  Template 4: For the whole country for the six months period
Animal Health Information Systems

Annual Questionnaire (terrestrial & aquatic)

- For non OIE listed diseases:
  - Qualitative information (occurrence)
  - Non OIE listed diseases present in the country/territory: using Template 4

- Livestock census (by first administrative division)

- Human cases/deaths for all OIE listed zoonotic diseases

- Veterinary Services

- National Reference Laboratories

- Vaccine production facilities
Animal Health Information Systems

OIE World Animal Health Information System (WAHIS)

- Immediate notification and follow-up
- Six-monthly reports
- Annual questionnaire

OIE-Info distribution list:
Alert messages

World Animal Health Information

OIE’s Reference Laboratories and Collaborating centres’ reports

SAMBA 1996-2004

Handistatus II

World Animal Health (publication)

Member countries’ health information national system
Since April 2006, the OIE has sent a letter to the Delegate of OIE Members for an access to WAHIS (http://www.oie.int/vetserv) with a login and password. The system is accessible in the three official languages of the OIE.
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After logging in the WAHIS, OIE Delegates can create additional user accounts for persons in charge of entering data into the system on behalf of the Delegates.
Animal Health Information Systems

OIE World Animal Health Information System (WAHIS)

As for aquatic animal diseases...

✓ Where primary responsibility for aquatic animal health rests with an authority other than the Veterinary Services, OIE Delegates should nominate an ‘aquatic national focal point’ from the other authority.

(Recommendation of the 23rd Conference of the OIE Regional Commission for Asia, the Far East and Oceania, Noumea, New Caledonia, 2003)
Animal Health Information Systems

OIE World Animal Health Information System (WAHIS)

As for aquatic animal diseases...

✓ The aquatic animal health focal points should send aquatic animal health information to the OIE Delegate for submission to the OIE Central Bureau.

✓ The OIE Delegates are recommended to give the focal points a username and password for a direct access to WAHIS for reporting on aquatic animal diseases.

Animal Health Information Systems

OIE World Animal Health Information System (WAHIS)

✔ The reporting guidelines and formats can be downloaded at OIE Delegates’ site (http://www.oie.int/vetserv).
Animal Health Information Systems

OIE World Animal Health Information System (WAHIS)

- Immediate notification and follow-up
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- Annual questionnaire

OIE’s Reference Laboratories and Collaborating centres’ reports

OIE-Info distribution list: Alert messages

World Animal Health Information (publication)

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World Animal Health Information System

Member countries’ health information national system
Animal Health Information Systems

Distribution of Animal Health Information

✓ OIE-Info distribution list (mailing list)
  - Alert messages (immediate notifications)
  - Weekly disease information

...to OIE Delegates, OIE Reference Laboratories and Collaborating Centres, international and regional organisations and any institutions or individuals
Animal Health Information Systems

Distribution of Animal Health Information

✔️ OIE web-site (http://www.oie.int)

"Alerts – Disease Information"

"World animal health situation"
Animal Health Information Systems

Distribution of Animal Health Information

✓ World Animal Health Information Database (WAHID) Interface (http://oie.int/wahid)

Country information
...reported disease events, animal health situation, veterinarians and paraveterinarians, animal population, zoonoses in humans, laboratory capability, vaccine production,

Disease information
...immediate notifications and follow-ups, weekly disease information, disease outbreak maps, disease distribution maps, disease

Disease control measures
Countries sanitary situation comparison
Animal Health Information Systems

Distribution of Animal Health Information

✓ World Animal Health (publication)
Regional Animal Health Information
Regional Animal Health Information

Activities of OIE Asia-Pacific

✓ Quarterly Report and Yearbook (terrestrial)
  - Quarterly Epidemiology Report
  - Regional Epidemiology Yearbook

Since 1992 (establishment of OIE Asia-Pacific)

(Implementation of WAHIS since 2006)

Stop collection of paper reports for October-December 2007 as the last one

Members are recommended to continue sending animal disease information to WAHIS.
Regional Animal Health Information

Activities of OIE Asia-Pacific

✓ Foot and Mouth Disease (FMD) Monthly Report
  - South Asia and East Asia
  Since 2000 – March 2008 : collected by OIE Asia-Pacific
  Stop collection of paper reports for March 2008 as the last one

  Members are recommended to continue sending animal disease information to WAHIS.

(Southeast Asia)
Since 1998- : collected by the FMD Regional Coordination Unit in Bangkok, Thailand
Regional Animal Health Information

Activities of OIE Asia-Pacific

✓ Development of a new computer programme for regional information (in progress, HPAI & FMD)

- The information on this site is using a part of data reported by Members of the Asia-Pacific region through the WAHIS and extracted directly from the WAHID.
Regional Animal Health Information

Activities of OIE Asia-Pacific

- Quarterly Report and Yearbook (aquatic)
  - Quarterly Aquatic Animal Disease Report (QAAD report)
  - Regional Aquatic Animal Disease Yearbook
    Since 1998 (joint activity between OIE and NACA*/FAO)

* NACA: Network of Aquaculture Centres in Asia-Pacific

(Implementation of WAHIS since 2006)

Development of a new on-line reporting application connected to WAHIS (WAHIS-OIE/NACA Regional Core) (in the pipeline)

QAAD reports continue during the transitional period until the WAHIS-OIE/NACA Regional Core becomes functional.
Regional Animal Health Information

Activities of OIE Asia-Pacific

✓ OIE Asia-Pacific web-site (http://www.rr-asia.oie.int)

"Regional Disease Information"
Regional Animal Health Information

Activities of OIE Asia-Pacific

✓ OIE/NACA Regional Workshop on Aquatic Animal Health
  (Bangkok, Thailand, 25-28 March 2008)
  - Participants: from 19 OIE Members in Asia-Pacific region
    (Australia, Bangladesh, Bhutan, Cambodia, P.R. China, Hong Kong, China, India, Indonesia, Malaysia, Myanmar, Nepal, New Zealand, Pakistan, Philippines, Singapore, Sri Lanka, Chinese Taipei, Thailand and Vietnam)

OIE focal points for aquatic animal health nominated by OIE Delegates either from the Veterinary Department or the Fisheries Department or the NACA National Coordinators who have engaged in QAAD reporting.
OIE/NACA Regional Workshop on Aquatic Animal Health
(Bangkok, Thailand, 25-28 March 2008)

Programme:

- Lectures on:
  (a) economic impact of aquatic animal diseases
  (b) important aquatic animal diseases in Asia-Pacific
  (c) OIE aquatic animal health standards
      (Code & Manual)
  (d) WAHIS

+ Hands-on training of WAHIS
Regional Animal Health Information

Activities of OIE Asia-Pacific

✓ OIE/NACA Regional Workshop on Aquatic Animal Health
  (Bangkok, Thailand, 25-28 March 2008)

- Conclusions and Recommendations:
  * strengthening of activities by the aquatic animal health focal points nominated by the OIE Delegates for exchange of information and experiences at the regional level and for active participation through the OIE Delegates in the OIE international standard setting process
  * confirmation of the role of the focal points for reporting on aquatic animal diseases etc.

WAHIS
Communication
Communication

Activities of OIE Asia-Pacific

✓ OIE Regional Seminar on Communication
  - Date & Venue: 30-31 October 2008 (back-to-back with the 15th Congress of the Federation of Asian Veterinary Associations (FAVA) & OIE Symposium, 27-29 October), Bangkok, Thailand
  - Participants: OIE Delegates and communication officers of animal health in Veterinary Services (VSs), other government officials and relevant representatives from the private sector of the region (to be confirmed)

-Purposes:
  Identification, prioritisation and agreement on potential strategic communication interventions in the region
  – How to show visibility (e.g. Image) of VSs to the public?
Publications
Publications

- Codes & Manuals
- Bulletin – every 3 months
- Scientific and Technical Review – every 4 months
- World Animal Health – every year
- Technical items, Newletters, Special books - variable
OIE web-site
(http://www.oie.int)
OIE Web-site

- Early warning
- Weekly disease information
- International Standards (Codes & Manuals)
- Scientific and Technical Review (contents, abstracts and papers)
- Scientific and general information on OIE activities
- Animal diseases and zoonoses
- Editorials from the Director General

http://www.oie.int
Thank you for your attention