World Animal Health Information System (WAHIS) and its updates

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OIE's origin and mandate

The OIE was created in **1924** following the incursion of rinderpest in 1920 in Europe



to prevent animal diseases from spreading around the world

- 28 countries in 1924
- 176 countries in 2010

The 4th Strategic Plan 2006/2010 extended the OIE's global mandate to

"the improvement of animal health all over the world including zoonoses"



Objectives of the OIE

- 1. To ensure transparency in the global animal disease and zoonosis situation
- 2. To collect, analyse and disseminate scientific veterinary information
- To provide expertise and encourage international solidarity in the control of animal diseases
- 4. Within its mandate under the WTO SPS Agreement, to safeguard world trade by publishing health standards for international trade in animals and animal products
- 5. To improve the legal framework and resources of **national Veterinary Services**
- 6. To provide a better guarantee of the **safety of food of animal origin** and to promote **animal welfare** through a science-based approach





Organised and co-ordinated flow of information



Obligation for notification

By deciding to join the OIE, a Member agrees to fulfil its international commitment to notify to the OIE as laid out in the Chapter 1.1. of the OIE's Codes ("Notification and Epidemiological Information")





When notify to OIE through the immediate notification

Reasons:

- 1 The <u>first occurrence of a listed disease and/or infection</u> in a country or zone/compartment
- 2 The <u>re-occurrence of a listed disease or infection</u> in a country or zone/ compartment following a report declaring previous outbreak(s) eradicated
- 3 The <u>first occurrence of a new strain of a pathogen</u> of a listed disease in a country or zone/compartment
- 4 A <u>sudden and unexpected increase in the distribution, incidence, morbidity or</u> <u>mortality</u> of a listed disease prevalent within country, a zone or a compartment
- 5 Evidence of <u>change in the epidemiology</u> of a listed disease (e.g. host range, pathogenicity, strain of causative pathogen), in particular if there is a zoonotic impact
- 6 An <u>emerging disease</u> with significant morbidity/mortality or zoonotic potential



Decision Tree used to determine the list



OIE's list of diseases



Role of Information



OIE Information System WAHIS - WAHID







WAHIS online notification application:

- Provides countries with a <u>simpler</u> and <u>quicker</u> method of sending sanitary information => compliance with international standards
- Allows countries to benefit from the new capabilities put in place to produce essential and useful information with the <u>minimum of</u> <u>errors</u> and <u>delays</u> (near real time information)
- Countries' data benefit from the system <u>reliability</u> and <u>safety</u>.



To inform the other Members on an exceptional epidemiological event



To be transparent on the regular animal health situation





OIE's Tracking Activities

- Active search unofficial sources
- Verify with OIE Delegates
- Support and enrich OIE's official information system





TYPES OF REPORTS

- Immediate notification of disease, infection or unusual epidemiological events
- **Weekly reports**: Follow-ups to the immediate notification
- **3** Final report :
 - if the outbreaks have ended
 - if the situation becomes endemic

- Output Six-monthly report
- **5** Annual report



OIE's early warning system



Immediate notification and follow - ups



OIE's monitoring system

Six-monthly Report

on the **absence** *or* **presence** of listed diseases

Part 1: Qualitative information



control, prophylaxis and prevention measures,

indication of the type of report to use to notify diseases or infections/infestations present in the country (=> part 2)



(B)

OIE's monitoring system

Six-monthly Report

Part 2: Quantitative information

Template 1: By **lowest level Administrative Division** and by **Month** recommended

Template 2: For the whole Country and by Month

Template 3: By **lowest level Administrative Division** for the **six months period**

Template 4: For the whole Country for the six months period

by the OIE

Six-monthly Report - summary



OIE's monitoring system

Annual report

- Information on **non OIE-listed diseases**
- Information on Vet. Services' staff
- National Reference Laboratories
- **Livestock census** (by lowest level administrative division, etc.)
- **Zoonoses** (human cases)
- Production of **vaccines**



OIE's monitoring system

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WAHIS – WAHID improvements in 2009 -2010

- 2009: distinction between disease occurrence codes between domestic and wild species
 - Impact in WAHID
- 2010: the system will offer for wild species category a short list of known susceptible species using a drop-down menu



From 2005 wild species recordable in WAHIS

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2007 - better graphical differentiation in WAHID

Outbreaks differentiation between domestic and wild species (e.g. HPAI)



WAHID interface – 2009 - examples



WAHID interface – 2009 - examples

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	Note NA Not Applicable	Oie

WAHID interface – 2009 - examples



Starting from 2010

<u>The system will offer for wild species category a short list of known susceptible species</u> using a drop-down menu

- Family name
- Latin name (scientific name)
- Common name



- disease;
- disease regional distribution (e.g. CWD).



Example:

WAHIS - Starting from 2010

Quantitative information page for wild species

Animals affected



Mains steps of improvements the notification of diseases in wildlife



Conclusion: Transparency & competence



The quality of the information provided to the OIE

- reflects the degree of knowledge of the animal health situation in the country
- is an important factor in the **evaluation of Vet. Services**

Disease control cannot be done properly without accurate and reliable epidemiologic data



Conclusion: Transparency & honesty

Once a country's epidemiological data loses credibility, especially for trade, it is difficult and time-consuming to recover





Conclusion: Transparency: key factors

- Independence of Veterinary Services
- Clear understanding of the beneficial effects of transparency
- Appropriate infrastructure (laboratories, systems of communication, ...)
- Sufficient human resources within Veterinary Services (staff, qualification, territorial meshing,..)
- ► Good knowledge of the animal health situation in the country and transparent sharing of this information
- Knowledge of the OIE's standards and notification procedures

QUALITY OF VETERINARY SERVICES

Thank you for your attention



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http://www.oie.int/eng/info/en_listserv.htm



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