The World Animal Health Information System (WAHIS) and the OIE monitoring system of diseases in wild animals (WAHIS-Wild) and their relations regarding wild animal diseases notification

OIE Regional Workshop: Training of OIE National Focal Points for Wildlife
Obihiro, Japan, 1-4 July 2014

WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future
WORLD ANIMAL HEALTH INFORMATION SYSTEM

WAHIS

(Legal obligations)
WORLD ANIMAL HEALTH INFORMATION SYSTEM

OIE’s early warning system
International alert messages
Rapid response

Immediate notification
of disease, infection or unusual epidemiological events

Weekly reports
Follow-ups to the immediate notification

Final report
- if the outbreaks have ended
- if the situation becomes endemic

OIE’s monitoring system
To monitor OIE Listed diseases
(presence or absence) over time

Six-monthly report
Annual report
WORLD ANIMAL HEALTH INFORMATION SYSTEM:
SIX-MONTHLY REPORT

Terrestrial animals

Aquatic animals

Absence/presence of OIE listed diseases

Qualitative information

Quantitative information
WORLD ANIMAL HEALTH INFORMATION SYSTEM: SIX-MONTHLY REPORT

Information on diseases in domestic animals

Six-monthly report

Information on diseases in wild animals
WORLD ANIMAL HEALTH INFORMATION SYSTEM: ANNUAL REPORT

Non-OIE listed diseases (Domestic)

Zoonoses in humans

Animal population

Veterinary service

National reference laboratories

Vaccine production

ANNUAL REPORT
OIE Wildlife Disease Monitoring System
Historical Background

- Since 1993, the OIE has started collecting data on wildlife using an annual questionnaire.
- Since 2008, it was decided that the AHID takes over the working group on wildlife disease notification and collect and analyze on an annual basis collected questionnaires.
- Since 2008, the questionnaire and disease names have been harmonized with WAHIS using an annual template divided in two six-month periods.
- In August 2012 the Excel Questionnaire has been replaced by a new application for notification of specific diseases in wild animals.
Wild annual report: WAHIS-Wild

Divided in two sections:

– **OIE-listed diseases in wild species**
  
  • Already entered in the six-monthly reports
  
  • Automatically transferred into the draft Wild annual report
  
  • To be provided only after submitting the two six-monthly reports
  
  • Checked, corrected and completed if needed by the Focal point for wildlife
  
  • Changes have to be agreed by Delegate
  
  • Data will be displayed on WAHID

– **Non OIE-listed wildlife diseases**

  • To be processed by the Focal point for wildlife
  
  • Data will be displayed on a specific website
For OIE-Listed diseases
OIE Secure Access System

Veterinary Services dedicated Web site

Welcome to the OIE Secure Access System.

Access to this site is only available to authorised users: namely, the Delegates of Member Countries, their designated nominees, Focal Points authorised to report animal disease information to the OIE (aquatic and/or terrestrial animals and wildlife), Chief Veterinary Officers (CVOs) of non-member countries, system administrators and OIE personnel.

The secure access system provides access to two main areas of the OIE secured web site:

- The World Animal Health Information System (WAHIS) secured web site. Access to this application allows users from Member Countries, namely Delegates or their nominees, to electronically submit standard notification reports (immediate notification and follow-up reports, six-monthly reports and annual reports) to the OIE. This system not only provides countries with a simpler and quicker method of sending notifications and reports on disease information but also allows them to benefit from the new analysis capabilities put in place to produce essential and useful information without delays.

- The Delegates' Site. This site has been updated to provide secure access to material and information intended only for OIE Delegates.
<table>
<thead>
<tr>
<th>message id</th>
<th>Disease name</th>
<th>Category</th>
<th>Date Created</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>130</td>
<td>Not regarding a disease</td>
<td>Other</td>
<td>12/01/2007</td>
<td>ITA 12-01-07 &amp; GBR 12-01-07 OIE Alert Message d'alerte</td>
</tr>
<tr>
<td>167</td>
<td>Not regarding a disease</td>
<td>Immediate Notification or Follow-up Report</td>
<td>20/02/2007</td>
<td>False-Falsa-Fausse-CHE 20-02-07 OIE Alert Message d'alerte</td>
</tr>
<tr>
<td>252</td>
<td>Not regarding a disease</td>
<td>Immediate Notification or Follow-up Report</td>
<td>30/08/2007</td>
<td>False-Falsa-Fausse-CHE JPN 30-08-07OIE Alert Message d'alerte</td>
</tr>
<tr>
<td>513</td>
<td>Not regarding a disease</td>
<td>Immediate Notification or Follow-up Report</td>
<td>23/01/2009</td>
<td>23/01/09 OIE Disease Information - Informaciones Sanitarias - Informations sanitaires</td>
</tr>
<tr>
<td>516</td>
<td>Not regarding a disease</td>
<td>Other</td>
<td>30/01/2009</td>
<td>30/01/09 OIE Disease Information - Informaciones Sanitarias - Informations sanitaires</td>
</tr>
<tr>
<td>521</td>
<td>Not regarding a disease</td>
<td>Other</td>
<td>06/02/2009</td>
<td>06/02/09 OIE Disease Information - Informaciones Sanitarias - Informations sanitaires</td>
</tr>
<tr>
<td>525</td>
<td>Not regarding a disease</td>
<td>Other</td>
<td>13/02/2009</td>
<td>13/02/09 OIE Disease Information - Informaciones Sanitarias - Informations sanitaires</td>
</tr>
<tr>
<td>537</td>
<td>Not regarding a disease</td>
<td>Other</td>
<td>27/02/2009</td>
<td>27/02/09 OIE Disease Information - Informaciones Sanitarias - Informations sanitaires</td>
</tr>
<tr>
<td>548</td>
<td>Not regarding a disease</td>
<td>Other</td>
<td>06/03/2009</td>
<td>06/03/09 OIE Disease Information - Informaciones Sanitarias - Informations sanitaires</td>
</tr>
<tr>
<td>550</td>
<td>Not regarding a disease</td>
<td>Other</td>
<td>13/03/2008</td>
<td>13/03/08 OIE Disease Information - Informaciones Sanitarias - Informations sanitaires</td>
</tr>
</tbody>
</table>
WILD ANNUAL REPORT
Submitted only after the submission and validation of the two six-monthly reports

### Manage Existing Six-Monthly Reports

<table>
<thead>
<tr>
<th>ID</th>
<th>Status</th>
<th>Report Period</th>
<th>Report Date</th>
<th>Submitted Date</th>
<th>Report Type</th>
<th>Validation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>140880</td>
<td>Validated</td>
<td>Jul-Dec 2012</td>
<td>17/01/2013</td>
<td>08/04/2013</td>
<td>Terrestrial</td>
<td>Yes</td>
</tr>
<tr>
<td>141378</td>
<td>Validated</td>
<td>Jul-Dec 2012</td>
<td>05/03/2013</td>
<td>28/03/2013</td>
<td>Aquatic</td>
<td>Yes</td>
</tr>
<tr>
<td>136166</td>
<td>Validated</td>
<td>Jan-Jun 2012</td>
<td>03/07/2012</td>
<td>27/11/2012</td>
<td>Terrestrial</td>
<td>Yes</td>
</tr>
<tr>
<td>140712</td>
<td>Validated</td>
<td>Jan-Jun 2012</td>
<td>07/11/2012</td>
<td>20/11/2012</td>
<td>Aquatic</td>
<td>Yes</td>
</tr>
<tr>
<td>120710</td>
<td>Validated</td>
<td>Jul-Dec 2011</td>
<td>14/02/2012</td>
<td>18/05/2012</td>
<td>Both</td>
<td>Yes</td>
</tr>
<tr>
<td>112227</td>
<td>Validated</td>
<td>Jan-Jun 2011</td>
<td>05/07/2011</td>
<td>23/03/2011</td>
<td>Both</td>
<td>Yes</td>
</tr>
<tr>
<td>101217</td>
<td>Validated</td>
<td>Jul-Dec 2010</td>
<td>01/02/2011</td>
<td>13/04/2011</td>
<td>Both</td>
<td>Yes</td>
</tr>
<tr>
<td>89684</td>
<td>Validated</td>
<td>Jan-Jun 2010</td>
<td>12/07/2010</td>
<td>14/09/2010</td>
<td>Both</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Use this section to review the data already validated in the six-monthly reports and transferred to the wild annual report.
<table>
<thead>
<tr>
<th>OIE-Listed disease</th>
<th>occurrence</th>
<th>Serotype(s)</th>
<th>New outbreaks</th>
<th>Total outbreaks</th>
<th>Species</th>
<th>Control Measures</th>
<th>Routine Vaccinated</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
<th>Ring vaccinated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluetongue (Domestic and Wild)</td>
<td>+()</td>
<td>2, 9, 1, 16</td>
<td>7</td>
<td>9</td>
<td>***</td>
<td>* M GSu Qi Z Cn</td>
<td>...</td>
<td>Animals</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Auguszky's disease</td>
<td>+()</td>
<td>No</td>
<td>13</td>
<td>13</td>
<td>fau</td>
<td>* GSu</td>
<td>Animals</td>
<td>...</td>
<td>11</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Echinoccosis/hydatidosis (Wild)</td>
<td>+()</td>
<td>No</td>
<td>2</td>
<td>2</td>
<td>fau</td>
<td>*</td>
<td>Animals</td>
<td>...</td>
<td>2</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Q fever (Domestic and Wild)</td>
<td>+()</td>
<td>No</td>
<td>4</td>
<td>4</td>
<td>cap</td>
<td></td>
<td>Animals</td>
<td>70</td>
<td>2</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Paratuberculosis (Domestic)</td>
<td>+</td>
<td>No</td>
<td>1</td>
<td>1</td>
<td>buf</td>
<td>*</td>
<td>Animals</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Paratuberculosis (Wild)</td>
<td>+</td>
<td>No</td>
<td>1</td>
<td>1</td>
<td>buf</td>
<td>*</td>
<td>Animals</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information provided separately for the 1\textsuperscript{st} and 2\textsuperscript{nd} semester.
WILD ANNUAL REPORT
New wild annual report

Wild annual reports

- instructions
- Submit a new wild annual report
- Manage existing wild annual reports
- View information on wild species from the WAHIS six-monthly reports
WILD ANNUAL REPORT
New wild annual report

1: Wild annual report

To make a new Annual report for your country to the OIE Central Bureau, complete the details below and click on the 'New annual report' button. This will then lead you through a series of pages to gather the required information for the report period that you have chosen.

If there is an existing draft report for the period you wish to work on, please refer to the section 'Review existing reports'.

Report Period: Jan-Dec2012

New wild annual report

User Feedback Email the support team if you have a comment on this system.

World Animal Health Information System (WAHIS) - Version: 2
Copyright (c) World Organisation for Animal Health (OIE) 2012
Release date: August 2012
New wild annual report
Click OK in each section

New wild annual report

### Avian mycoplasmosis (M. gallisepticum)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Occurrence code in wild animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A*</td>
<td>Infection/Infestation</td>
</tr>
</tbody>
</table>

### Avian chlamydiosis

<table>
<thead>
<tr>
<th>Semester</th>
<th>Occurrence code in wild animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A*</td>
<td>Infection/Infestation</td>
</tr>
</tbody>
</table>

### Pullorum disease

<table>
<thead>
<tr>
<th>Semester</th>
<th>Occurrence code in wild animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A*</td>
<td>Infection/Infestation</td>
</tr>
</tbody>
</table>

### Avian mycoplasmosis (M. synoviae)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Occurrence code in wild animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A*</td>
<td>Infection/Infestation</td>
</tr>
</tbody>
</table>

### Other

<table>
<thead>
<tr>
<th>Diseases</th>
<th>Semester</th>
<th>Occurrence code in wild animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leishmaniosis</td>
<td>Semester 1</td>
<td>N/A* Infection/Infestation</td>
</tr>
<tr>
<td></td>
<td>Semester 2</td>
<td>N/A* Infection/Infestation</td>
</tr>
</tbody>
</table>

* (N/A) This option is not available as it is inconsistent with previously entered data.

Warning: you have not visited all species groups. Are you sure you want to move to the next page?

Message de la page Web

OK Annuler

Save

Next

User Feedback Email the support team if you have a comment on this system.
Go to the bottom of the review and submit page to submit the wild annual report.

### WILD ANNUAL REPORT

**New wild annual report**

Period: Jan - Dec 2012  |  Animal: Terrestrial  |  Creating New: Draft report

```
| OIE Reference: 2258 | Report period: Jan-Dec 2012 | Country: Italy |
```

### WILDLIFE ANNUAL REPORT ON THE NOTIFICATION OF THE PRESENCE OF OIE-LISTED DISEASES

#### Report Summary

#### Finalise Report

- **Submit the Report**
  Are you ready to officially submit this report to OIE?

  - Yes. The report is ready for submission
  - No. Save the report as a draft for future editing and submission.

> Save
For Non OIE-Listed diseases
New wild annual report
### Wild annual report: Presence/absence of the diseases

**2. Presence / absence of diseases 2012**

#### Filter by group:
- Non OIE listed affecting wild
  - Reptiles
  - Non infectious disease
  - Diseases of unknown cause

#### Non OIE listed affecting wild

<table>
<thead>
<tr>
<th>Diseases</th>
<th>Date of last occurrence</th>
<th>Date Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calicivirus Marine Mammals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agent causing Chronic wasting disease (CWD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infection with Babesia spp. (new or unusual occurrences)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calicivirus of European Brown Hare Syndrome (EBHS)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infection with Alcelaphine herpesvirus 1 (wildebeests origin causing malignant catarrhal fever in ca)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Infection with Avian Paramyxoviruses (other than those listed by the OIE)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Warning: you have not visited all species groups. Are you sure you want to move to the next page?*
### Wild annual report: Absent diseases (control measures)

#### 3. Control measures of absent diseases Year 2012

<table>
<thead>
<tr>
<th>Diseases</th>
<th>Notifiable disease</th>
<th>Precautions at the borders</th>
<th>Monitoring</th>
<th>Screening</th>
<th>General Surveillance</th>
<th>Targeted Surveillance</th>
<th>Movement control inside the country</th>
<th>Stamping out</th>
<th>Modified stamping out</th>
<th>Zoning</th>
<th>Vaccination prohibited</th>
<th>Routine vaccination</th>
<th>Number Vaccinated</th>
<th>Treatment</th>
<th>Control of wildlife reservoirs</th>
<th>Control of anthropods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mycotoxins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Filter by group:
- Non OIE listed affecting wild
- Non infectious disease

Filter for control measures that are not applicable

> Save this disease
Reporting detail: quantitative information

Filter by group:
Non OIE listed affecting wild

Non OIE listed affecting wild

Declararion of quantitative data

Infection with morbillivirus (canids and felids)
Wild
- No quantitative information available on cases or outbreaks

Location Accuracy
Frequency

Infection with Low pathogenic avian influenza viruses (all subtypes)
Wild
- No quantitative information available on cases or outbreaks

Location Accuracy
Frequency

Absence of outbreak:
- JAN
- FEB
- MAR
- APR
- MAY
- JUN
- JUL
- AUG
- SEP
- OCT
- NOV
- DEC

Outbreaks by serotype:

These drop down lists allow you to choose the template among the 4 existing templates.

Select a month to enter the corresponding quantitative information.

Tick this box if you do not have quantitative information.

Tick here if you want to provide information by serotype.

If the disease is absent during a month tick the box.
### Reporting detail, quantitative information (template by administrative division and by month and by serotype)

#### Animals affected

- **Family Name**: Anatidae
- **Latin Name**: Anas platyrhynchos
- **Common Name**: Mallard

#### Measuring units

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Animals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Susceptible</td>
<td></td>
</tr>
<tr>
<td>Cases</td>
<td>5</td>
</tr>
<tr>
<td>Deaths</td>
<td>5</td>
</tr>
<tr>
<td>Destroyed</td>
<td></td>
</tr>
<tr>
<td>Slaughtered</td>
<td></td>
</tr>
<tr>
<td>Vaccinated</td>
<td></td>
</tr>
</tbody>
</table>

#### Wild

<table>
<thead>
<tr>
<th>Family Name</th>
<th>Latin Name</th>
<th>Common Name</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
<th>Vaccinated</th>
<th>Action</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatidae</td>
<td>Anas platyrhynchos</td>
<td>Mallard</td>
<td>Animals</td>
<td>...</td>
<td>5</td>
<td>5</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>Edit</td>
<td>Delete</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>Animals</td>
<td>...</td>
<td>5</td>
<td>5</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The system will allow the possibility to add in a box of free text another Family and another species (if it is not in the list).
## Wild annual report: Present diseases (control measures)

### 5. Control measures of present diseases Year 2012

#### Filter by group:

- Non OIE listed affecting wild

#### Non OIE listed affecting wild

<table>
<thead>
<tr>
<th>Diseases</th>
<th>Control measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infection with morbillivirus (canids and felids)</td>
<td><img src="https://example.com/control-measures" alt="Control measures" /></td>
</tr>
<tr>
<td>Wild</td>
<td><img src="https://example.com/control-measures" alt="Control measures" /></td>
</tr>
<tr>
<td>Infection with Low pathogenic avian influenza viruses (all subtypes)</td>
<td><img src="https://example.com/control-measures" alt="Control measures" /></td>
</tr>
</tbody>
</table>
Wild annual report: Review and submit


Period: Jan - Dec 2012 | Animal: Terrestrial | Creating New: Draft report

<table>
<thead>
<tr>
<th>Infection with parvovirus (Wild)</th>
<th>Infection with Psalaura spp. (Wild)</th>
<th>Infection with Plasmodium spp. (Wild)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infection with pox viruses (other than those listed by the OIE) (Wild)</td>
<td>Infection with Psoroptes spp. (Wild)</td>
<td>Infection with Salmonella enterica (all serovars) (Wild)</td>
</tr>
<tr>
<td>Infection with Sarcoptes scabiei (Wild)</td>
<td>Infection with Toxoplasma gondii (Wild)</td>
<td>Infection with Trichomonas spp. in birds and reptiles (Wild)</td>
</tr>
<tr>
<td>Infection with Yellow fever virus (Wild)</td>
<td>Infection with Yersinia enterocolitica (Wild)</td>
<td>Infection with Yersinia pestis (Wild)</td>
</tr>
<tr>
<td>Infection with Yersinia pseudotuberculosis (Wild)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reptiles

<table>
<thead>
<tr>
<th>Infection with Crocodilepox virus (Papillomatosis in crocodiles) (Wild)</th>
<th>Infection with Fibropapillomatosis in sea turtles (herpesvirus?) (Wild)</th>
<th>Infection with Trichinella, nelsoni, zimbabwei and papouae (Wild)</th>
</tr>
</thead>
</table>

Non infectious disease

<table>
<thead>
<tr>
<th>Algal toxicosis (Wild)</th>
<th>Botulism (Wild)</th>
<th>Chemical poisons (Wild)</th>
</tr>
</thead>
</table>

Diseases of unknown cause

<table>
<thead>
<tr>
<th>Unusual morbidity or mortality event (cause undetermined) (Wild)</th>
</tr>
</thead>
</table>

Finalise Report

[Save the report as a draft] [Submit the report to the OIE]
Received

Verified

Validated

Published in WAHID (OIE-Listed diseases) and WAHIS-Wild Interface (Non OIE-Listed diseases)
When should Focal Points for Wildlife send their wild annual report to the OIE?

- They should send their wild annual report to the OIE after ensuring that the two six-monthly reports have been submitted to the OIE.

- The Focal Points for Wildlife are requested to ensure to start working on the wild annual report when the two six-monthly reports are already submitted to the OIE. They should help to Focal Points for Animal Disease Notification, by providing them in due time the maximum of information on OIE-listed diseases in wild species in order to have the complete information on these diseases in six-monthly reports.
When should Focal Points for Wildlife send their wild annual report to the OIE?

- Once the six-monthly reports are submitted, the Focal Points for Wildlife should verify that data on OIE-listed diseases in wild animals is complete in the six-monthly reports, and if not, to complete it.

- Generally, wild annual report should be provided after submitting the two six-monthly reports and no later than 6 months after the end of the previous year.

- Focal Points for Wildlife can start working on the component of the wild annual report dedicated to non OIE-listed diseases starting from January to report on the previous year.
Thank you for your attention!

Discussion-Questions