



Organisation
Mondiale
de la Santé
Animale

World
Organisation
for Animal
Health

Organización
Mundial
de Sanidad
Animal

Evolution of WAHIS



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Animal Health Information Department
OIE
Tokyo 7-8, September 2009

INTRODUCTION

OIE HISTORICAL MISSION

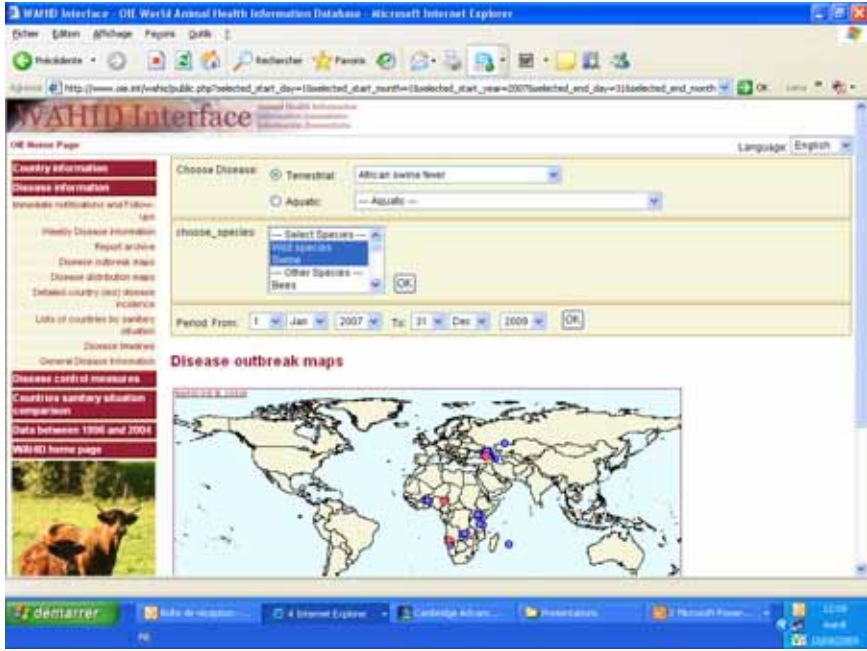


To ensure transparency in the global animal disease situation

General objective of the OIE: improve animal health worldwide

World Animal Health Information System

World Animal Health Information System (WAHIS) and its interface WAHID.

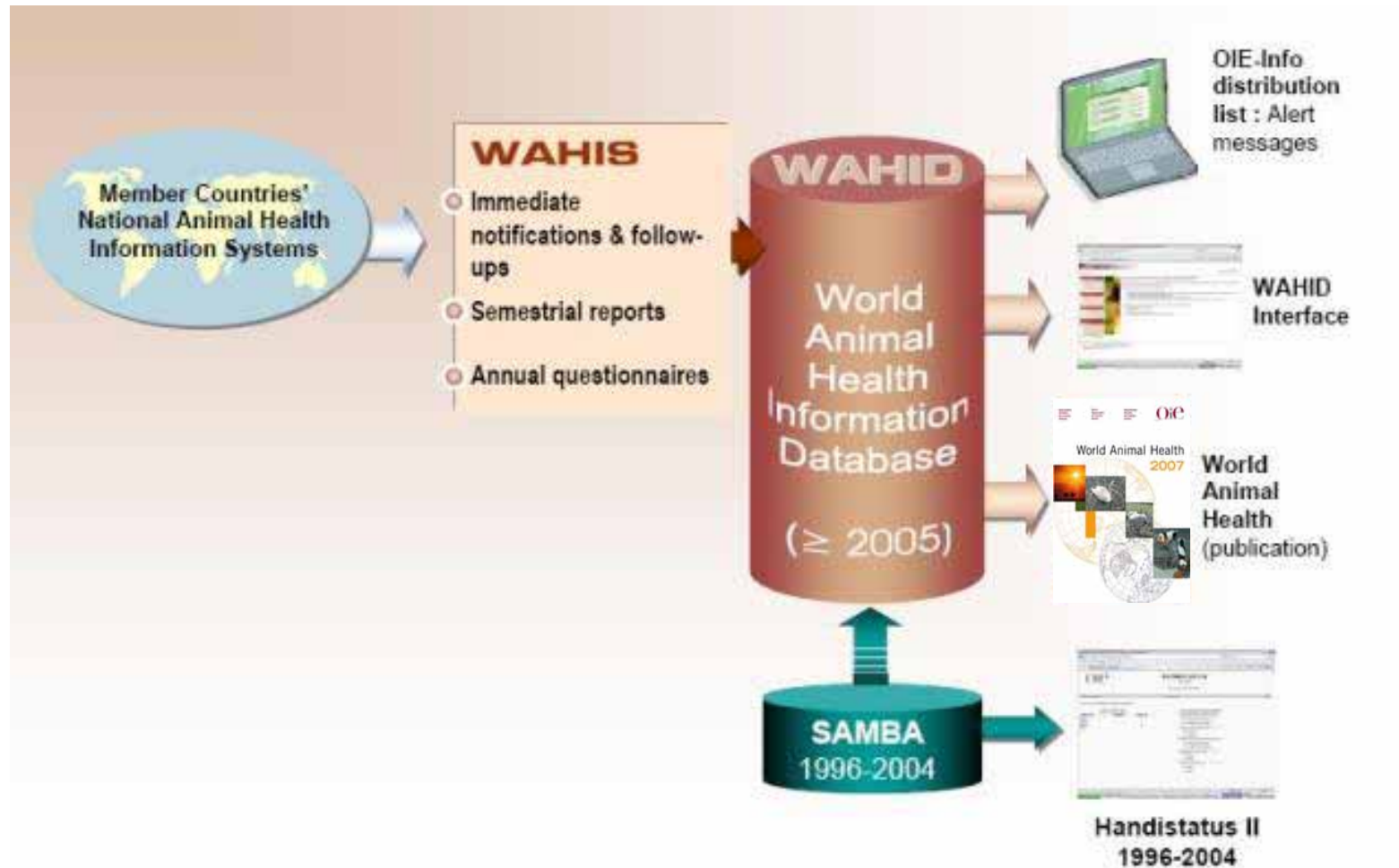


The WAHID Interface provides access to all data held within the OIE's World Animal Health Information System (WAHIS).

RAHIS



World Animal Health Information System



World Animal Health Information System

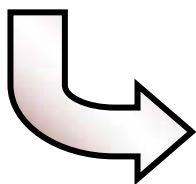
WAHIS online notification application:



- Provides countries with a simpler and quicker 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 minimum of errors and delays (near real time information).

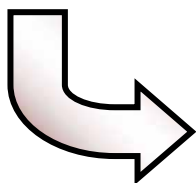
Objectives of the system

Immediate notifications and Follows-up



OIE's early warning system

Regular information by six-monthly and annual reports



OIE's monitoring system

Types of reports

- ① **Immediate notification** of disease, infection or unusual epidemiological events
- ② **Weekly reports:** Follow-up to the immediate notification
- ③ **Final report :**
 - if the outbreaks have ended
 - if the situation becomes endemic



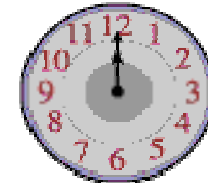
- ④ **Six-monthly report**
- ⑤ **Annual report**

OIE's early warning system

Immediate notification



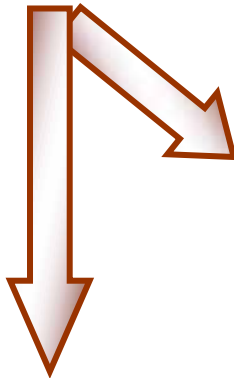
within 24 hours



Follow-up report



weekly report



Follow-up to the immediate notification to inform on the evolution of the epidemiological situation

Final report

Reasons for immediate notification within 24 hours

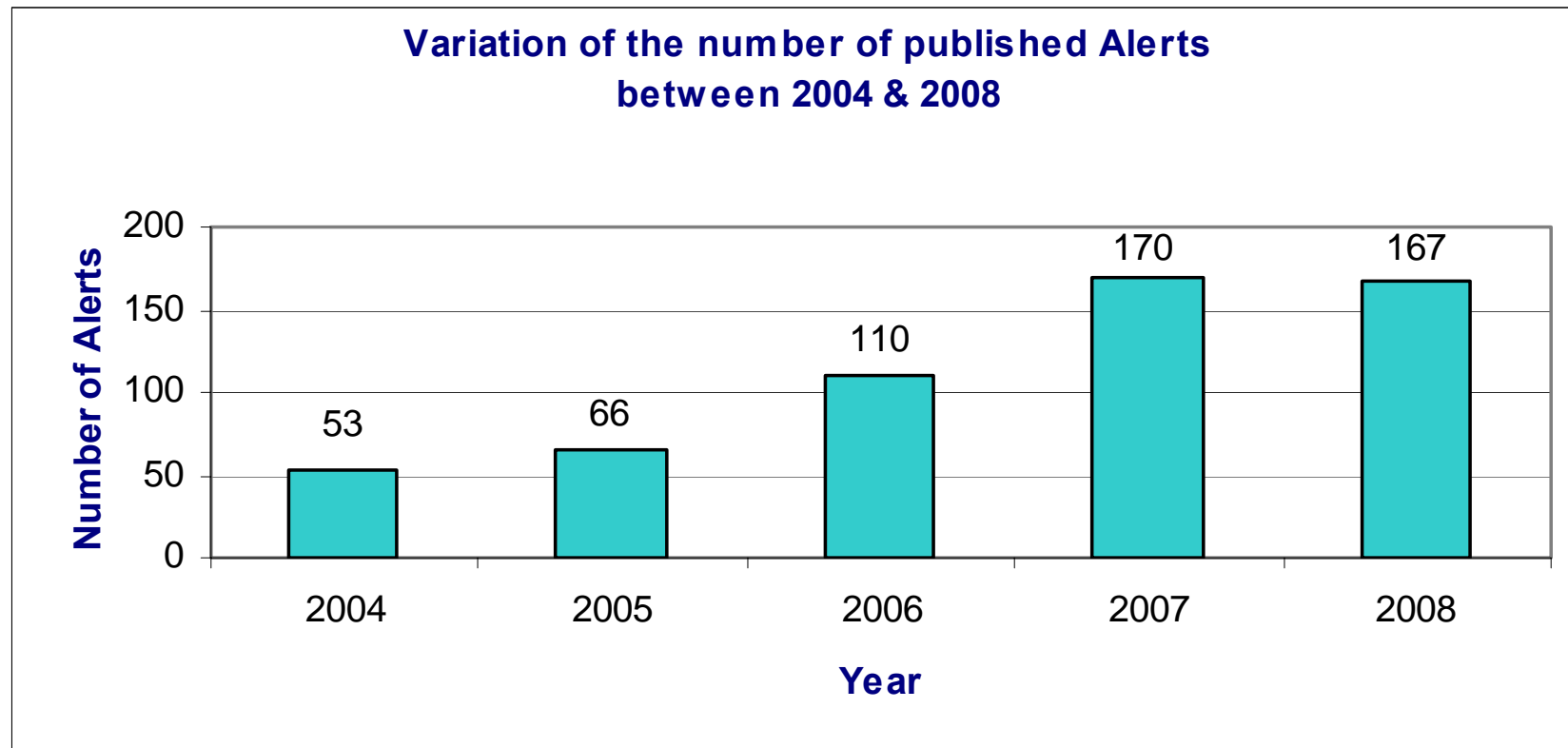
1. The **first occurrence of a listed disease and/or infection** in a country or zone/compartment
2. The **re-occurrence of a listed disease or infection** in a country or zone/ compartment following a report declaring previous outbreak(s) eradicated
3. The **first occurrence of a new strain of a pathogen of a listed disease** in a country or zone/compartment

Reasons for immediate notification within 24 hours

4. A sudden and unexpected **increase in the distribution, incidence, morbidity or mortality** of a listed disease prevalent within country, a zone or a compartment
5. **Evidence of change in the epidemiology** of a listed disease (e.g. host range, pathogenicity, strain of causative pathogen), in particular if there is a zoonotic impact.
6. An **emerging disease** with significant morbidity/mortality or zoonotic potential

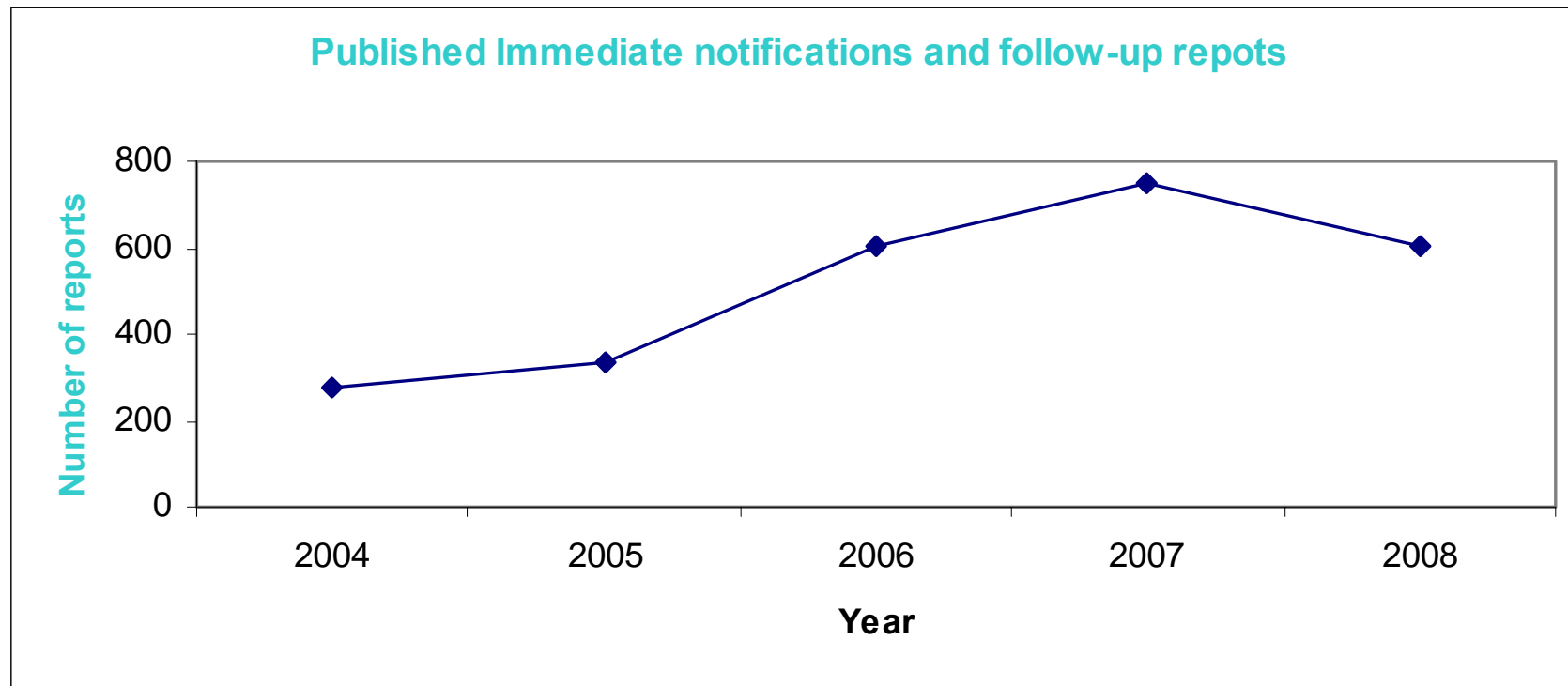
OIE's early warning system

Results since the launch of the new notification system (only for immediate notifications):



OIE's early warning system

Results since the launch of the new notification system (Immediate notifications and follow-up):



OIE's monitoring system

Six-monthly report

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

Part 1: Qualitative information

- disease **occurrence**;
- **control, prophylaxis and prevention measures**;
- **indication of the type of template to use** to notify diseases or infections/infestations present in the country (=> part 2).

OIE's monitoring system

Six-monthly report

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

Part 2: Quantitative information

- **Template 1:** By first administrative division and by month;
- **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.

OIE's monitoring system

Annual report

The sum of information present into six-monthly reports

and:

- **Non OIE-listed diseases;**
- **Human resources in Veterinary Services;**
- **National Reference Laboratories;**
- **Livestock census** (by first administrative division);
- **Zoonoses** (human cases);
- Production of **vaccines.**

Recent crises: need to adapt to the situation - notification of diseases in wild animals

OIE is conscious about the sensitivity of WAHIS data and the possible consequences of reporting diseases in wild animals by putting unjustified trade barriers. This may have sometimes a side effect of countries not notifying on diseases observed in wild species, which limits transparency

Better understanding of disease situation in both domestic and wild animals, better risk analysis for importing countries and less unjustified trade barriers.

Among the new functionalities

1. Differentiated registration and display for the **occurrence code** between domestic animals and wild animals (starting from 2009).
2. To generate in the database **two separate six-monthly reports** (one for terrestrial and one for aquatic animals: reason better management: Members can provide available information without blocking the submission process) (starting from 2010).
3. Improvement of the **management of periodicity of reporting diseases** within the six-monthly period (for an ongoing six-month period: send monthly information, that could be validated and made public (without submitting the whole report), complete the rest of the report at the end of the period) (starting from 2010).

Among the new functionalities

4. For wildlife the system will offer a **list** of known susceptible species in order to report the correct host animal (starting from 2010):
 - *by scientific name (Latin name);*
 - *by common name (in English, French and Spanish).*
5. The system will allow the possibility **to add in a box free text**, another species (if it is not on the list), indicating the Latin name and common name (starting from 2010):
6. There will be a **different interface in the OIE web site** to display data on non-OIE listed disease in wildlife (starting from 2010):

New functionality (1) – WAHIS 2009

Occurrence codes between domestic and wild animals

Each country has to indicate the occurrence codes for each OIE-listed disease during the reporting period by category of domestic and wild species

Codes indicating disease presence in Domestic Species and / or in Wild Species

+ *Positive occurrence of the disease*

+() *Positive occurrence of the disease limited to one or more zones of the country*

Codes indicating the presence of the infection/infestation in Domestic Species and / or in Wild Species

+? *Identification of the presence of infection/infestation*

Codes indicating disease absence in domestic Species and / or Wild Species

- *Negative occurrence of the disease*

New functionality (1) – WAHIS 2009

Occurrence code between domestic animals and wild animals

Other codes in Domestic and/or in Wild Species

?	Presence of the disease suspected but not confirmed
...	No information available
0000	Disease never reported

For Disease never reported (in both Domestic and Wild Species):

It is not accepted to notify the disease as never reported if it was already reported in domestic species or in wild animals and vice versa. This occurrence code is used for both categories of species.

WAHIS - 2009

Some examples

Multiple species									Bottom
Disease: Name	Species	No information	Disease and Infection Absent		Disease and/or Infection Present				
			Never Reported	Not reported in this period	Suspected	Infection/Infestation (without clinical signs)	Clinical Disease	Disease limit one or more z	
			0000	-	?	+?	+	+()	
Foot and mouth disease	N Domestic Wild	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
		<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Vesicular stomatitis	N Domestic Wild	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Rift Valley fever	N Domestic Wild	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Bluetongue	N Domestic Wild	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Anthrax	N Domestic Wild	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
Aujeszky's disease	N Domestic Wild	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	
		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Echinococcosis/hydatidosis	N Domestic Wild	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
		<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Heartwater	N Domestic Wild	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

Diseases absent from the Country

Diseases which have either never been reported or have not been reported in this period.

This list contains the values that have been entered previously for this period.

**Absent disease:
 If you have the disease
 absent only
 in domestic species**

Multiple species																Bottom	
Disease:	Date of last occurrence	Control measures														Treatment	Control of wildlife reservoirs
	Year (yyy), month (mm/yyyy) or precise date of the end of the last outbreak 2. mm/yyyy 3. yyyy	Date Unknown	Notifiable disease	Precautions at the borders	Monitoring	Screening	General Surveillance	Targeted Surveillance	Movement control inside the country	Stamping out	Modified stamping out	Zoning	Vaccination prohibited	Routine vaccination	Number Vaccinated		
Rift Valley fever (Domestic)	08/08/2006	<input type="checkbox"/>	All	All	All	All	All	All	All	All	All	All	All	All		All	All
Cattle		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Buffaloes		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Goats		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Camelidae		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Sheep / goats		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
Sheep		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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World Animal Health Information System
 Système mondial d'information zoonitaire
 Sistema Mundial de Información Zoonitaria

OIE animal health information department staff Country:
 Logged in: Alessan

[Home](#) | [User Preferences](#) | [Help](#) | [Logout](#)

Six-Monthly Report: Presence/Absence ▶ Absent diseases ▶ **Reporting Detail** ▶ Present diseases ▶ Unreported Diseases ▶ Review and Submit ▶ Confirmation

Period: Jan-Jun 2009 | **Animal:** Terrestrial and Aquatic | **Editing:** Draft report | **Country:** TKL

Details about the Presence of Disease

For the diseases which you have indicated are present, you must indicate the maximum level of detail on the occurrence of disease/infection that you are able to provide.

This list has been populated with data you have entered previously.

Multiple species		Report Detail				▼ Bottom
Disease: Name	No quantitative information available on cases or outbreaks	Time and place				Serotype
		By month and admin division (recommended)	By six month period and by administrative division	By month and whole country	By six month period and whole country	Outbreaks by serot
Rift Valley fever (Wild)	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	No serotype
Bluetongue (Domestic and Wild)	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="checkbox"/>
Anthrax (Domestic and Wild)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	No serotype
Aujeszký's disease (Domestic)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	No serotype

▲ Top

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Review Report

Printable version



(PDF Format)

Save report da
to your hard di
(XML)

SIX-MONTHLY REPORT ON THE NOTIFICATION OF THE ABSENCE OR PRESENCE OF OIE-LISTED DISEASES

OIE Ref: 69045, Report Period: Jan-Jun 2009 Country: Tokelau

Report Summary

Animal type	Aquatic and terrestrial	Date of report	26/08/2009
Submitted	No	Report Period:	Jan-Jun 2009
Name of Sender of the report	Pouvave Fainuulelei	Address	PO Box 865, Apia, Samoa Apia
Position	Director	Telephone	(690) 2128
Fax		Email	fainuulelei@esamoa.net
Entered by	Alessandro Ripani		

1. Summary on OIE-listed diseases/infections present in Tokelau

OIE-Listed disease	occurrence	Serotype (s)	New outbreaks	Total outbreaks	Species	Control Measures	Routine Vaccinated	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered	vacc
Rift Valley fever (Wild)	+?	No	1	1	fau	* Qf M Te		Animals	1	1	1	0	0	
Bluetongue (Domestic)	+0	No	1	1	bov	* Qf M Te		Animals	...	...	...	...	...
					buf	* Qf M		Animals	1	1	0	0	0	
Bluetongue (Wild)	+	No	2	2	fau	* Qf		Animals	2	2	0	0	0	
Aujeszky's disease (Domestic)	+?	No	0	0	bov	*		Animals	...	...	...	...	...
Anthrax (Domestic and Wild)	+	No	5	5	bov	* Qf		Animals	3	3	3	0	0	
					buf	* Qf		Animals	...	...	...	...	...

New functionality (2) – starting from 2010

Two completely separate six-monthly reports

One for



Terrestrial animals

One for

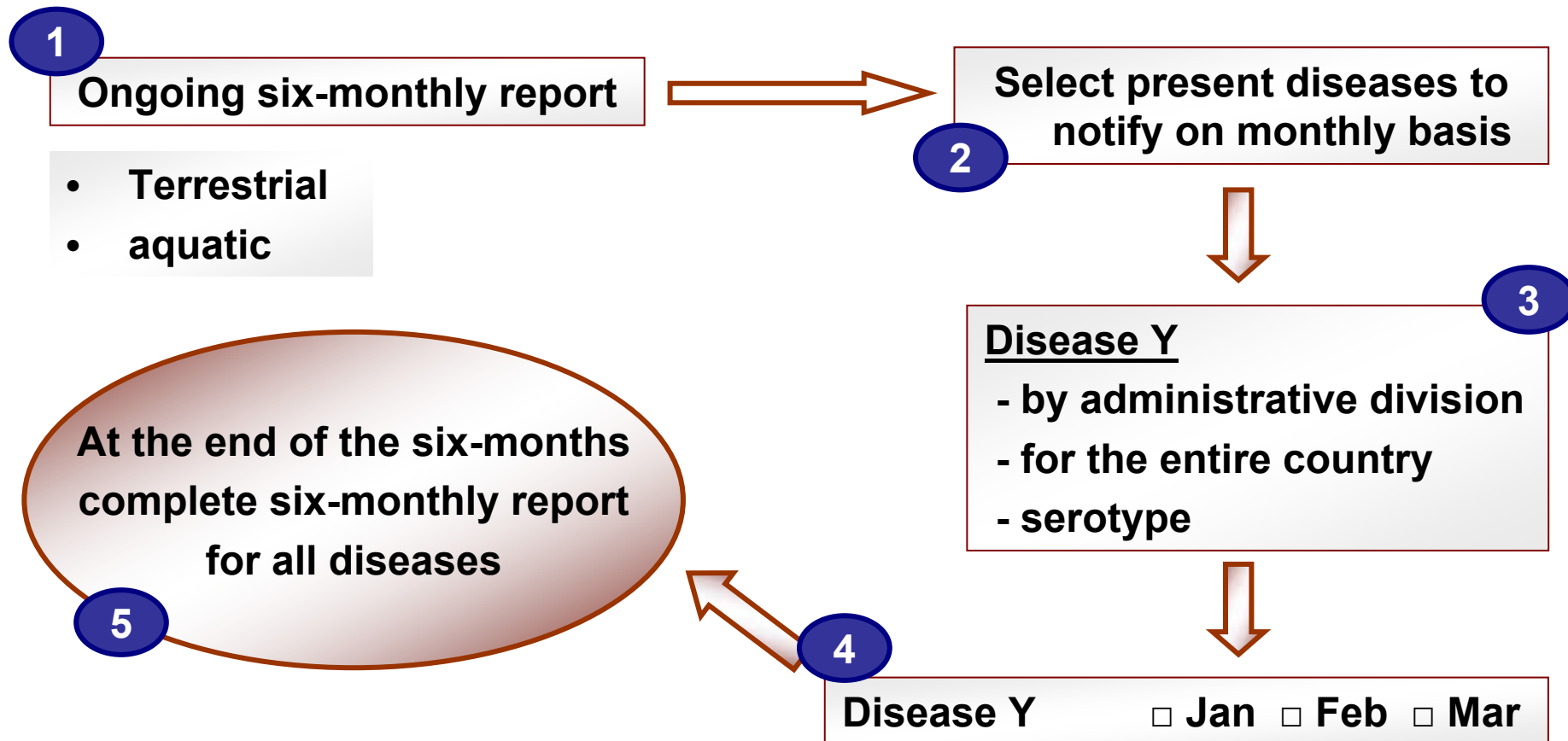


Aquatic animals

The OIE will receive from a given year 4 six-monthly reports
(2 for terrestrial animals and 2 for aquatic animals)

New functionality (3) – starting from 2010

Management of the periodicity in reporting



New functionality (4) – starting from 2010

Current WAHIS

The screenshot shows the 'Animals affected' section of the WAHIS interface. A green arrow points to the 'Species' dropdown menu, which is currently open and showing a list of animal species. A blue arrow points to the 'Wild species' option in the list. A red arrow points from the 'Wild species' option to a list of categories: '1. Domestic animals' and '2. Wild animals'. The interface also includes a 'Disease Report for Jan, 20...' (by administrative division) and a 'Summary of disease/infection for each Département' section.

To create 2 categories

To take out from the list « wild species »

1. Domestic animals
2. Wild animals

New functionality (4) – starting from 2010

The system will offer for wild species category a short list of known susceptible species



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



The short list of known susceptible species will be related to:



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

Example: <small>Disease</small>	Family name	Latin name	English Common Name	French Common Name	Spanish Common Name
West Nile fever	Anatidae	Anas platyrhynchos	Mallard	Canard colvert	Ánade Real

New functionality (4) – starting from 2010

The system will allow the possibility **to add in a box of free text** another species (if it is not in the list), indicating the Latin name and common name.



*When a user adds
a new name
the OIE staff will verify it and
after validation, introduce it into
the database*

Notification of information in wild animals, the example of HPAI in wild birds

1. For wild animals, more specifically for wild birds, **it is important to mention for each outbreak, the affected species by indicating the Latin name(s) of the involved wild animals.**
2. This would assist in improving the **understanding of the epidemiology** of exceptional events occurring in wild birds
3. For wild birds it is preferable if there is a doubt about the name of affected birds to consult ornithologists' experts in your country or specific web pages (see below) or to provide, if possible, photographs to the OIE's Animal Health Department (information.dept@oie.int).

Web resources:

<http://www.oiseaux.net./index.en.html>

<http://www.birdlist.org/site/regions.htm>

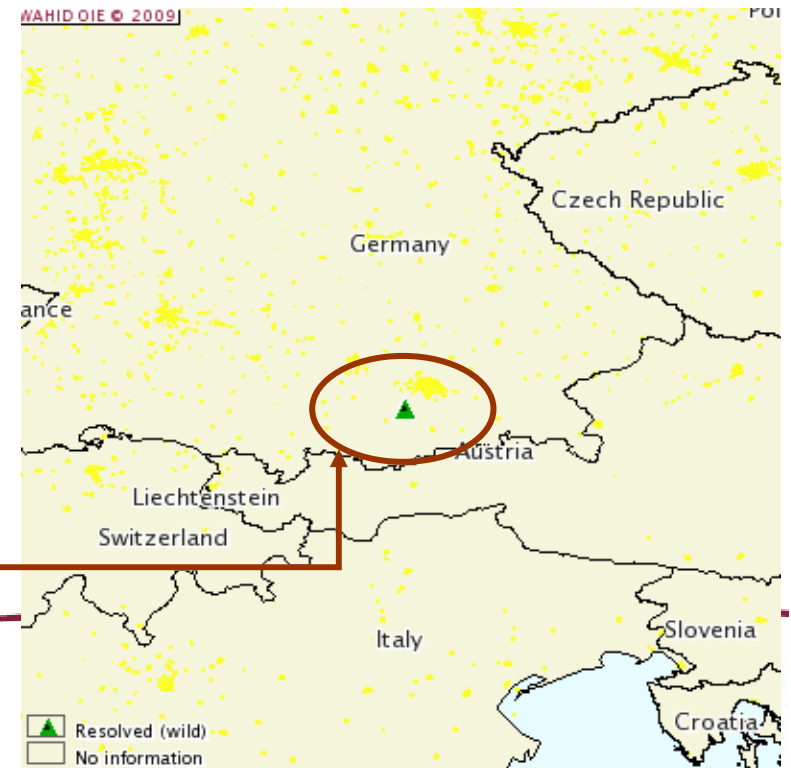
<http://www.bsc-eoc.org/avibase>

Highly pathogenic avian influenza, Germany

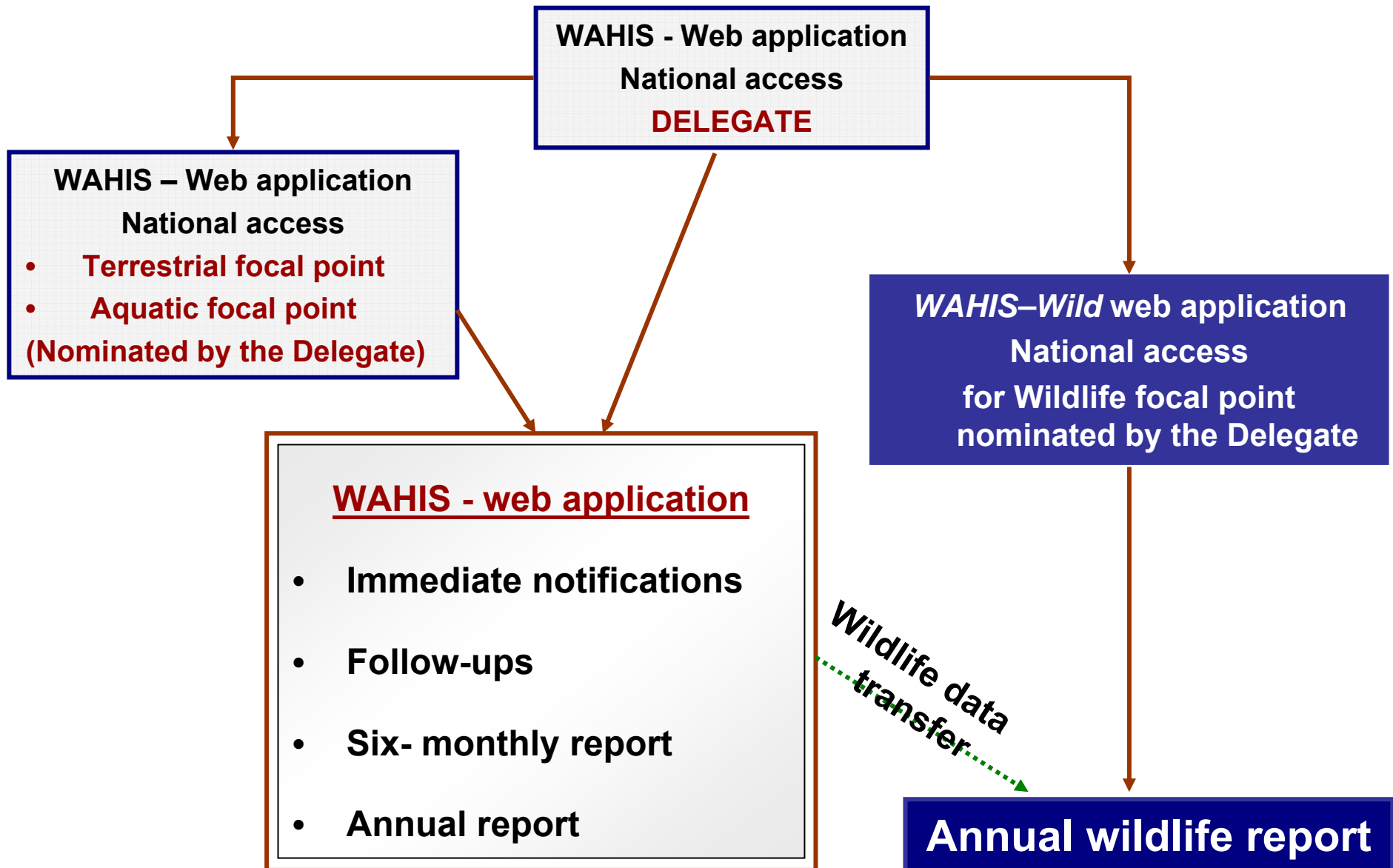
New outbreaks

Outbreak 1 (09188A090005)	Possenhofen (near Starnberg), Pöcking, Starnberg, BAYERN					
Date of start of the outbreak	10/01/2009					
Outbreak status	Resolved (06/03/2009)					
Epidemiological unit	Not applicable					
Affected animals	<i>Species</i>	<i>Susceptible</i>	<i>Cases</i>	<i>Deaths</i>	<i>Destroyed</i>	<i>Slaughtered</i>
	Wild species	39	1	0	0	0
Affected Population	Four Canada geese (<i>Branta canadensis</i>) and 35 mallards (<i>Anas platyrhynchos</i>) were shot on 10 January 2009. One mallard was positive for HPAI H5N1, the other 38 wild birds were negative for influenza A.					

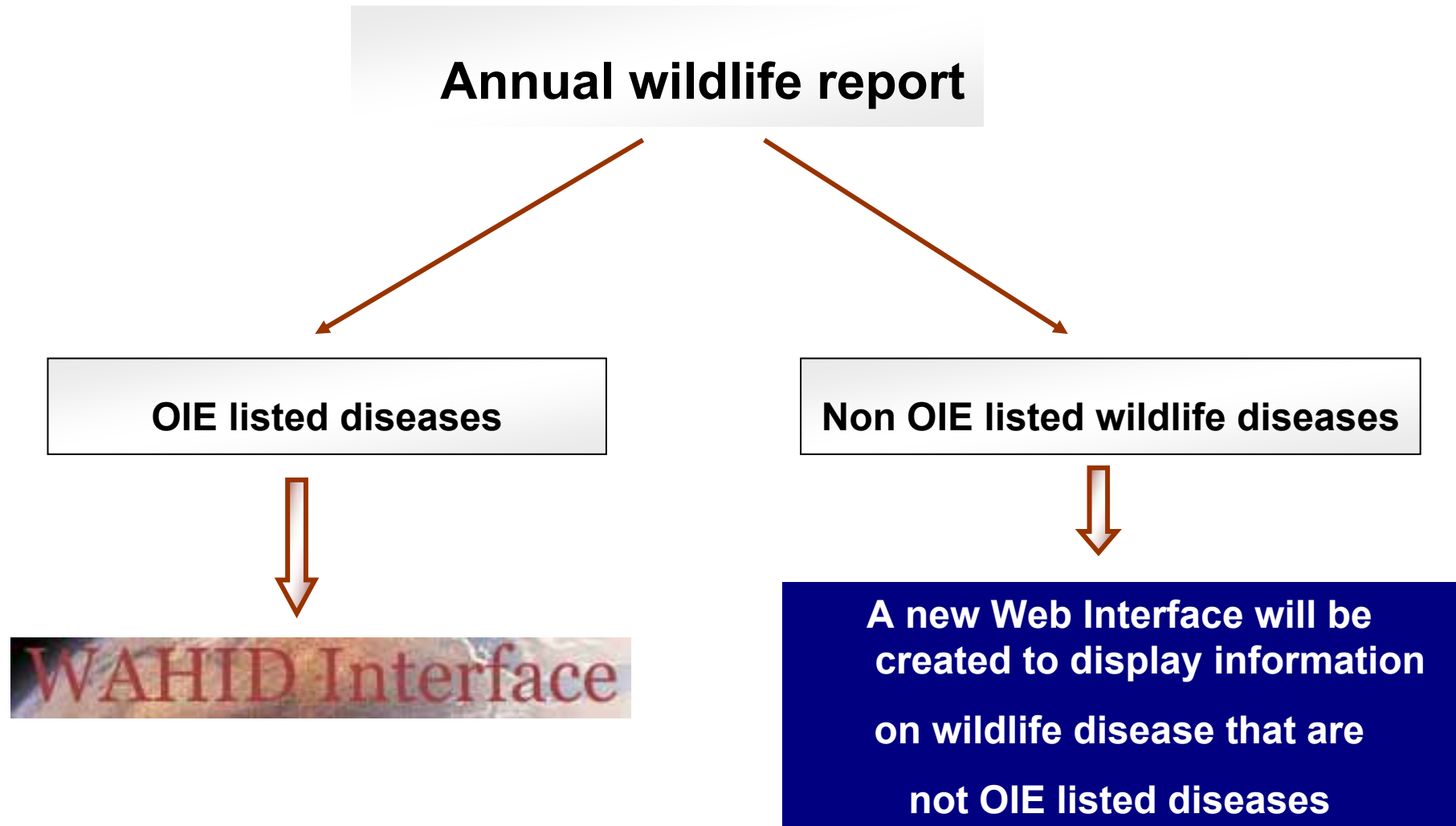
According to the immediate notification, **Germany** reported the disease in **one** mallard (*Anas platyrhynchos*).



Animals Diseases Notification



Information display



Thank you for your attention!



Have you subscribed to the OIE-Info
distribution list? If not, you can do it
from:

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

RRS Feeds are now available too

Oie



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