

## Outline and Progress of the OIE/J(S)TF Project for Strengthening HPAI control in Asia

3<sup>rd</sup> OIE Regional Meeting on Strengthening  
Animal Health Information Networking in Asia  
under the OIE/JTF Project for Strengthening HPAI  
Control in Asia  
(Tokyo, Japan, 15-16 September 2010)

Itsuo Shimohira  
OIE Regional Representative for Asia and the Pacific

## Major activities of OIE Asia-Pacific

- Improvement of Animal health information systems and communication
- **Prevention and control of HPAI**
- Prevention and control of emerging/ transboundary animal diseases (include CSF)
- Standardization of registration for veterinary medicinal products
- Prevention and control of Aquatic animal diseases
- Support for control of FMD
- Prevention and control of BSE and other TSEs
- Support for WTO-SPS Agreement including risk analysis

## HPAI control and Prevention Projects in Asia by OIE Asia-Pacific

## HPAI Control Projects in the Region

### •Big concern of the disease in the Region:

**HPAI:** Resurgent and continuously reported since 2003 and even in 2009 and 2010 and negative economic impacts and risks to animal and human health

### 1. OIE/J(S)TF Project for the Region

OIE Project of HPAI control in Southeast Asia  
(2006-2007: **Phase I**)

### 2. Epidemiological changes of HPAI in Asia

OIE/J(S)TF Project for strengthening HPAI control in Asia  
1) 5 year Project for Asia (2008-2012)  
2) 2 year Project for Asia (2008-2009 : **Phase II**)

## OIE HPAI Control Projects in Asia (1)

### 1. OIE/JSTF Project for HPAI control in Southeast Asia (2006-2007; Phase I)

8 participating countries : Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Thailand and Vietnam

#### (1) Improvement of Regional and National HPAI control strategies

- Suggestion on control strategies including a contingency plan

#### (2) Encourage HPAI information sharing to further strengthen regional early warning system

- Workshop on Epidemiology and Joint workshop on control of HPAI

#### (3) Strengthen diagnostic capacity of National and Regional collaboration laboratories

- Regional and National Training courses on diagnosis of HPAI
- Improve the capacity of diagnostic equipment such as a Real-Time PCR etc

#### (4) Improvement surveillance of field veterinarian and para-professionals

- Training courses for field veterinarian and para-professionals

## Capacity building of the laboratories for diagnosis and surveillance for HPAI (Phase I)



**National training : On-site Hands-on training on Real-Time PCR for rapid diagnosis**

**Regional training : DNA analysis for Central laboratories in the region**

## Capacity building of the laboratories for diagnosis and surveillance for HPAI

### • Procurement Equipment and Renovation of the laboratories

To improve the capacity of the diagnosis  
(Real Time PCR, DNA Sequencer and other equipment)

To improve the biosecurity condition in the laboratories  
(Safety Cabinet II, Renovation of Laboratory , etc.)



Cycler for Real-Time PCR



Sequencer  
(for central ref. lab)



Biosafety Cabinet C II



## OIE HPAI Control Projects in Asia (2)

### 1 OIE/JTF Project for strengthening HPAI Control in Asia (5 year project under Regular Fund; 2008-2012)

- (1) Strengthening Information networking in Asia (including HPAI control strategies)
- (2) Strengthening capacity of Veterinary Services (Capacity building including legislation etc.)
- (3) Surveillance of wild birds and domestic animals along migratory flyways, and strengthening Data-base at OIE Reference Laboratory

### 2 OIE/JSTF Project for strengthening HPAI Control in Asia (under Supplementary Special Fund; Phase II, 2008-2009)

- (1) Capacity building of HPAI laboratory diagnosis and surveillance
- (2) Procurement of Laboratory equipment and materials

participating countries:  
: **India, Sri Lanka, Pakistan, Nepal, Bhutan and Bangladesh**  
+ **Mongolia**

## OIE/JTF Project for Strengthening HPAI control in Asia

### I Strengthening Information Networking in Asia

To facilitate animal health information exchange and regional cooperation and alliance for disease control.

### II Strengthening capacity of Veterinary Services

For good governance of VSs, and thus early detection and rapid response for disease control

II-1 Evaluation of performance of veterinary services (VSs)

II-2 Training on legislation and diagnostic technologies for HPAI control

### III Surveillance of wild birds and domestic animals along migratory flyways

To provide supportive information for awareness and effective control measures

Surveillance of AI viruses, and epidemiological study related to flying routes of migratory birds

**Database**  
Monitor and characterize the virus for preparedness and effective control  
• **Establishment of a database for AI accessible by OIE Members**

### Diagnosis

Capacity building for diagnosis  
• National laboratories  
• **OIE Reference Laboratory (Hokkaido University)**

Virus characterization

AI viruses

Collaboration

HPAI control in Asia

## Activities under OIE HPAI Control Projects in Asia (3)

### 1. OIE/JTF Project for strengthening HPAI Control in Asia (5 year project; 2008-2012)

- (1) **Inception Meeting** for consultation on the Project, Tokyo, Japan, April 2008
- (2) **Expert Meeting** on HPAI control in Asia, Tokyo, 1<sup>st</sup> :October, 2008, 2<sup>nd</sup>: May 2009 and 3<sup>rd</sup> :**June 2010**
- (3) **Information Networking Meeting**, 1<sup>st</sup> : November, 2008, Tokyo, 2<sup>nd</sup> : September, 2009 ,Tokyo, and 3<sup>rd</sup> **September ,2010 (to be presented by other session )**
- (4) **Regional training workshop on legislation and disease control strategies (Combined with 2<sup>nd</sup> Information Networking Meeting)** September,2009 in Tokyo
  - Meeting for Improvement of the Legislation and Information Networking for enforcement of disease control measure
  - Visit to Animal Hygiene Service Centres of prefectural government (Kyoto) to study the enforcement of disease control measures in Japan as example.
- (5) **Surveillance of wild birds and domestic animals along migratory flyways**,
  - Surveillance in Hong Kong and Vietnam, Laos and Mongolia, 2008 -2010
  - \* Possibility of Surveillance in Some countries in South Asia for 2010-
  - Isolated AI viruses were analyzed and establish the Data base in Reference Laboratory(2009-)
- (6) **HPAI molecular Data analysis Workshop**, OIE Reference Laboratory (Hokkaido University), May 2009

## Outline of Surveillance of Wild Birds and Domestic animals

### Site of surveillance (2008 - 2010)

**Vietnam (North and South), Mongolia, Laos, Hong Kong SAR**

### Samples

Domestic Birds (around the sampling area of Wild Birds)

: 300-400 in each surveillance area

Wild Bird + Environment

: around 100 Wild Birds, 50-60 from Environment

Virus from Dead Wild Birds : Isolated viruses from Hong Kong SAR

### Result :

- Isolated AI virus from domestic animals (ducks in South Vietnam)
- HPAI virus from Dead Wild bird (provided from Hong Kong SAR)
- Not isolated AI virus from Samples of alive Wild Birds
- Genetic analysis data of each virus were registered in Data base

### Viruses isolated in Vietnam (South) in 2009

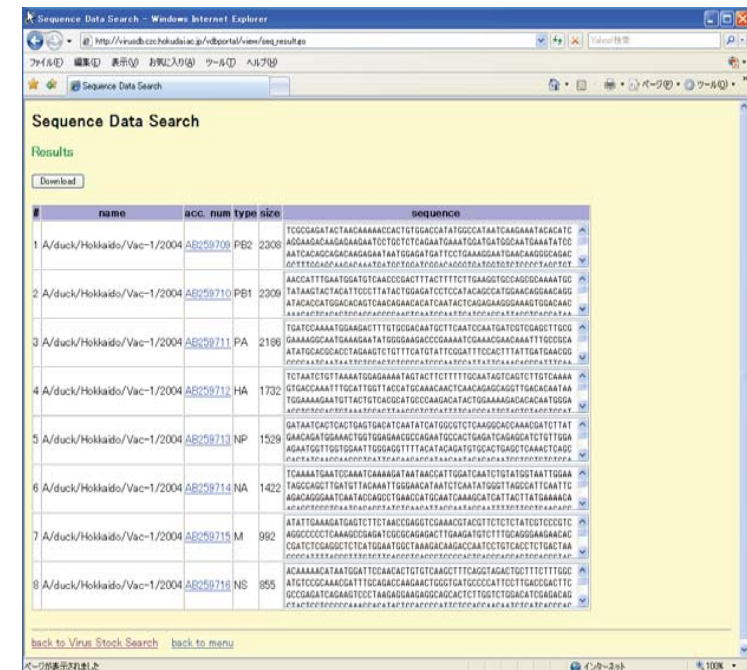
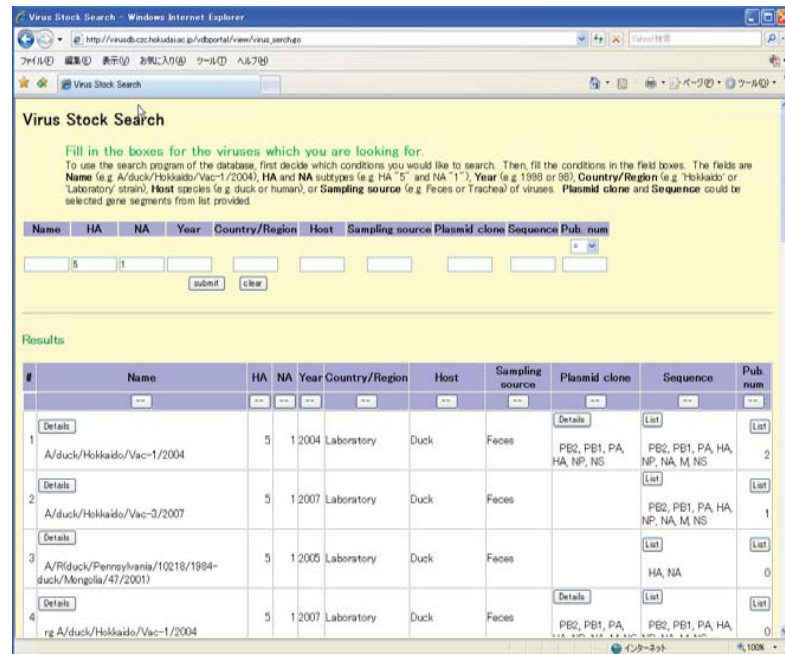
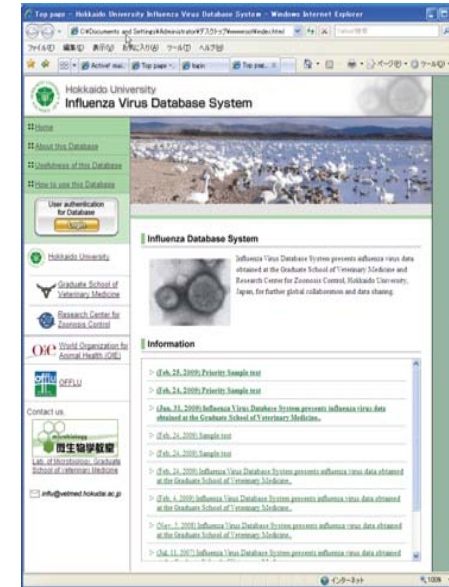
Place of sampling	Subtypes of Isolated virus (number)	
Household	A	-
	B	H9N2 (1), H4N6 (2)
	C	H4N6 (2)
	D	H4N6 (2)
	E	-
	F	-
	G	-
	H	H9N2 (3), H4N6 (1)
	I	H9N2 (14)
	J	-
	K	-
Live bird market	A	H3N8 (1)
	B	H9N2 (6), H11N3 (2)
Market	H9N2 (1), H3N2 (1), H11N3 (1), H11N9 (1)	
Slaughterhouse	H9N2 (1)	
Total		31 isolated viruses

# Characterization of avian influenza viruses isolated in Hong Kong

http://virusdb.czc.hokudai.ac.jp/vdbportal/view/index.jsp

Name of the isolates	Sequence analysis		
	Genebank/EMBL/DBJ Accession No.		HA gene Clade
	HA	NA	
A/house crow/Hong Kong/7677/2008 (H5N1)	AB517661	AB517662	2.3.2
A/grey heron/Hong Kong/779/2009 (H5N1)	AB517663	AB517664	2.3.2
A/peregrine falcon/Hong Kong/810/2009 (H5N1)	AB521159	AB521160	2.3.4
A/large billed crow/Hong Kong/885/2009 (H5N1)	AB521161	AB521162	2.3.2
A/crested myna/Hong Kong/1178/2009 (H5N1)	AB521163	AB521164	2.3.2
A/feral pigeon/Hong Kong/3409/2009 (H5N1)	AB557629	AB557630	2.3.2
A/oriental magpie robin/Hong Kong/9298/2009 (H5N1)	AB557633	AB557634	2.3.2
A/white-backed munia/Hong Kong/4519/2009 (H3N2)	AB557631	AB557632	-

Total H5N1 viruses were isolated



## Activities under OIE HPAI Control Projects in Asia (4)

### 2. OIE/JSTF Project for strengthening HPAI Control in Asia (Phase II: 2008-2009)

#### (1) Capacity building of HPAI diagnosis and surveillance

- National Hands-on Workshop on Real-Time PCR for diagnosis of HPAI
- Regional Training course for the staff of National laboratories on Genetic analysis technologies for HPAI

#### (2) Procurement of Laboratory equipment and materials

To support (1) above; Laboratory capacity building

**Phase II:** 7 countries (East and South Asian countries)

**India, Sri Lanka, Pakistan, Nepal, Bhutan and Bangladesh+ Mongolia**

- Identification of national laboratories and listing the required laboratory diagnostic equipment and materials (2008)  
(7 countries, 23 Laboratories are selected)
- Procurement of the equipment and renovation of the laboratories(2009-2010)

## HPAI Lab. Training(1)

### • National Hands-on training;

#### Training of Real Time PCR in 4 countries in February-March 2010

- Participants : 38  
from Bangladesh(6), Bhutan(12), Nepal(10), Sri Lanka(10)
- Training subject
  - HPAI control and Capacity building and Veterinary Services
  - General guidance of Real-Time PCR for the diagnosis of HPAI
  - Hands-on Training of Real-Time PCR

**Compare SYBR Green Method and TaqMan Method)**

- H5 sub-type of AI virus was detected by Real-Time PCR with SYBR Green Method in the suspected field samples from outbreak area in Bangladesh, Bhutan and Nepal during the Training .
- It was the first case to achieve the molecular diagnosis by Real-Time PCR successfully in Bhutan

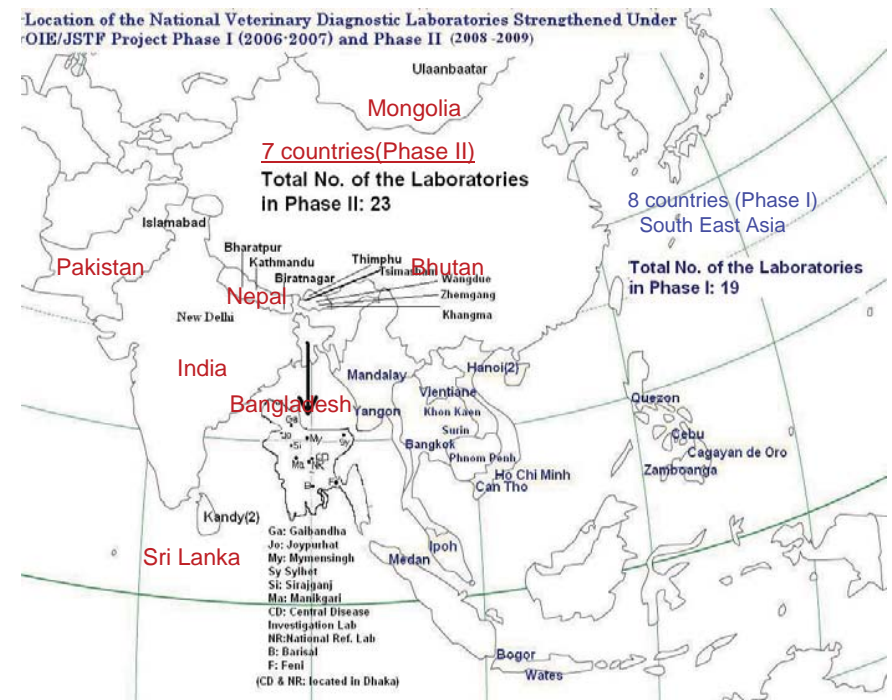
## HPAI Lab. Training(2)

### • Regional Hands-on training

#### Training of Molecular Analysis by DNA sequencer in Kathmandu, Nepal, in March 2010

(from 4 countries: Bangladesh, Nepal, Sri Lanka and Mongolia)

- Sequence analysis of HA cleavage site (Diagnosis of HPAI and LPAI)
- Hands on Training : PCR and Genetic Analysis
- Introduction of Application of Genetic Analysis in Pakistan
- Differentiation between HPAI and LPAI by Gene sequence in HA cleavage site
- Establish the network of the Laboratory staff in the sub-region
- Understand future prospect of utilization of DNA Sequencer  
(application for whole Genome sequencing, other diseases diagnosis(FMD, PPR viruses) and analysis of genetic disorders etc, by the example in Pakistan)



**OIE Hands-on Technical Training in SAARC Region  
under OIE/JSTF Project Phase II (2008 – 2009)**

**National Training**

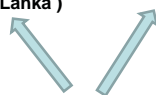


**Diagnosis with Real-Time PCR  
in 4 countries  
(Nepal, Bangladesh, Bhutan, Sri Lanka)**

**Regional Training**



**DNA Sequencing  
in Kathmandu, Nepal**



**Resource Person : Dr Zaheer Ahmed and Dr Naila Siddique,  
From Pakistan: National Reference Lab for Poultry Diseases**



**Thank you for  
your attention!!**

## Outline the meeting

**OIE/JTF Project for Strengthening HPAI Control in Asia**  
**Component III: Strengthening HPAI Control in Asia-**

**Kenji Sakurai**  
**OIE Asia-Pacific**

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## Contents

1. The Concept & Objective
2. Overview of Responses to the Questionnaire survey in 2008
3. Previous discussions in the 1<sup>st</sup> & 2<sup>nd</sup> Meeting
4. Overview of Progress Report in 2010
5. Tomorrow's discussion

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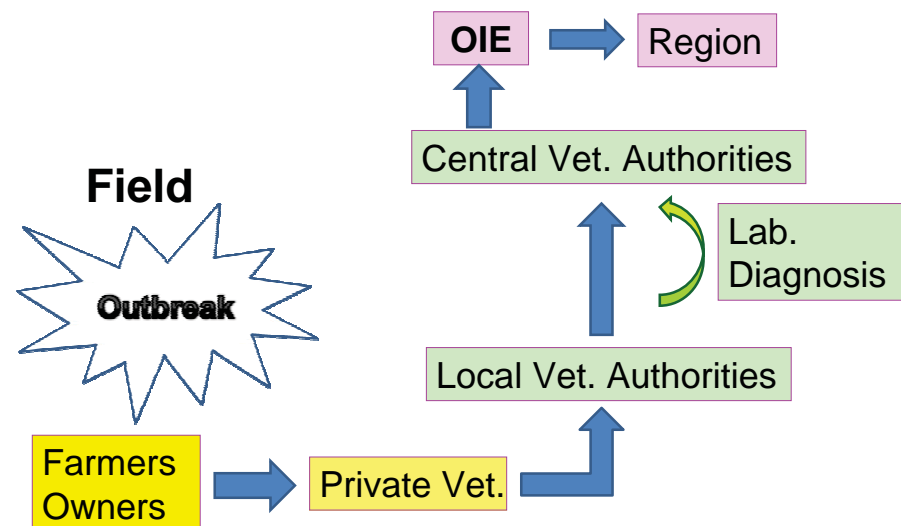
## Concept

To improve animal disease situation in Asia...

1. **Strengthening Animal Disease Information Networking at national & regional levels**
2. Improving diagnostic capacity of national laboratories
3. Improving Veterinary legislation
4. Improving control & prevention measures

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## Flow of disease notification



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## Some key aspects to be considered

1. Socio-economic aspect
2. Geographical aspect
3. Cultural aspect
4. Religious aspect
5. Social infrastructure
6. Legal aspect, Veterinary legislation
7. Political aspect

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## Purpose of Meeting

1. To share and exchange updated information, experiences, ideals and lessons from recent outbreaks of HPAI, FMD, new variant PRRS, etc.
2. To review progress made by OIE members after the 2<sup>nd</sup> meeting
3. To discuss how to improve Animal Health Information Networking at national and regional level

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## Questionnaire survey in 2008

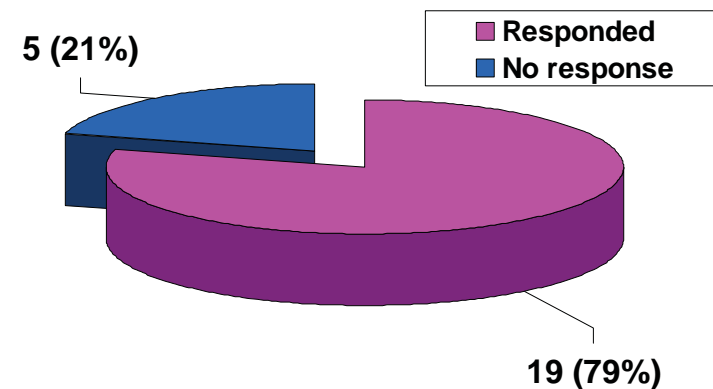
Questionnaire was sent to **24 OIE members in Asia** in August 2008 to collect information on animal health to strengthen animal disease control in Asia.

### ◆ Main areas

1. Legislation support on Animal Health
2. Animal Disease Information Reporting mechanism
3. HPAI Control & Prevention
4. Diagnostic Capacity of HPAI

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## Response to Questionnaire



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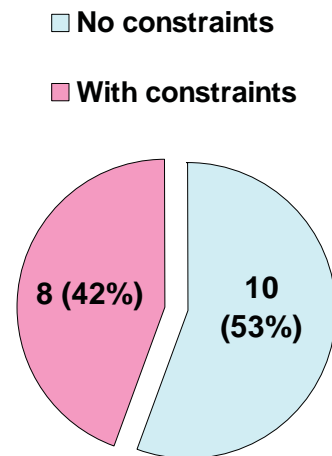
## 1. Legislation support on Animal Health

### • Question 1:

“Any constraints to develop legislation or enforce the legislation?”

### • Response:

- (1) No constraints: 10 (53%)
- (2) Constraints: 8 (42%)



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## 1. Legislation on Animal Health and Disease Control

### Main constraints reported from 8 OIE members

#### 1) Limitation in human resources: 75%

#### 2) Limitation in capacity of staff: 75%

- (1) Insufficient technical & scientific inputs to develop policies,
- (2) Lack of local expertise concerning development of legislation that addresses local needs, as well as, in consistent with international regulations and agreements,
- (3) Inadequate resources and logistics in evolving a comprehensive method involving all stakeholders in developing an effective implementation mechanism

#### 3) Limitation in financial support: 38%

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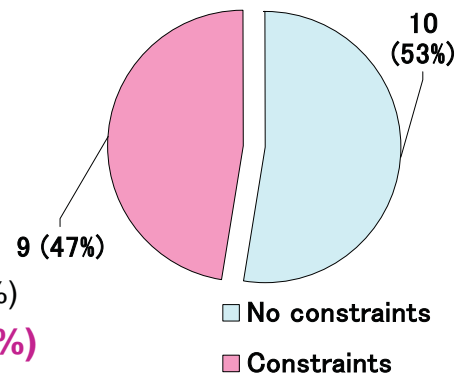
## 2. Animal disease information reporting mechanism

### • Question 2:

“Any constraints in current animal disease reporting system?”

### • Responses:

- (1) No constraints: 10 (53%)
- (2) Constraints: 9 (47%)



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## 2. Animal disease information reporting mechanism

### Main constraints reported from 9 OIE members:

1. Limitation of communication means (Geographical reason<remote areas, etc.>, etc.):
2. Limitation of human resources, financial resources:
3. Constraints on technical knowledge of field staff in animal disease reporting:
4. Constraints at field level (farmers' side):
  - Lack of knowledge
  - Low literacy
  - Fears for losing their animals
  - Low incentives to report
5. Reporting systems still to be strengthened:

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### 3. HPAI Control

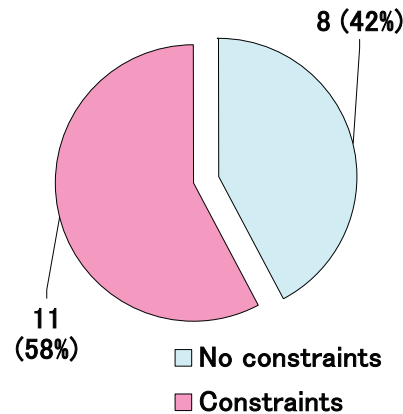
• **Question 3:**

“Any constraints encountered during implementation of HPAI control measures?”

• **Responses:**

(1) No constraints: 8 (42%)

(2) **Constraints: 11 (58%)**



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### 3. HPAI Control

Main constraints reported from 11 OIE members

- 1) Low bio-security (Backyard) :
- 2) Difficulty in having cooperation from farmers : (restriction on movement of animals)
- 3) Lack of awareness about the risk of AI at field level:
- 4) Financial limitation at local and national level :
- 5) Low and slow release of compensation prevents timely reporting and effective culling :
- 6) Limitation of human resources/technical constraints (e.g. capacity of epidemiology, training) at VS:
- 7) Legislation to be strengthened and enforced :
- 8) Limitation in equipments, materials:

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### 4. Diagnostic Capacity on HPAI

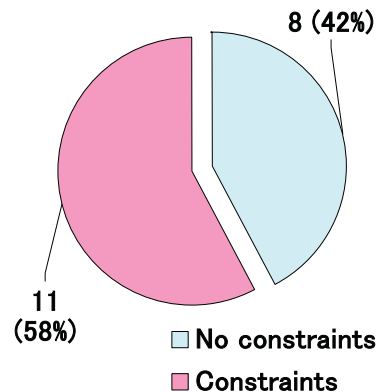
• **Question 4:**

“Any constraints or difficulties at national lab. in terms of diagnosis particularly on AI?”

• **Responses:**

1) No constraints: 8 (42%)

(2) **Constraints: 11 (58%)**



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### 4. Diagnostic Capacity on HPAI

Main constraints reported from 11 OIE members

1. Limitation of human resources:
2. Limitation of Lab. Equipments, materials, etc.:
3. Limitation of facilities:
4. Lack of technical background of Lab. Staff:
5. Sharing of test protocols, materials, information and experiences:

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## Question 5

*What kind of inputs/actions are needed to solve/alleviate constraints or problems?*

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## Main Responses

1. Technical / financial support to strengthen or improve capacity of diagnosis, surveillance system
2. Improvement of awareness of small farms on biosecurity (developing awareness materials, etc.)
3. Training of farmers
4. Training of VS staff (Vet. & Para-professional)
5. Promoting communication and sharing experiences on outbreak responses.
6. Strengthening capacity of Lab.

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## Previous Discussions in 2008-2009

### ● 1<sup>st</sup> and 2<sup>nd</sup> Meeting:

*Discussions to identify (1) problems, (2) causes and (3) possible solutions in each stage of information network/flow;*

**Stage 1:** Farmers/Owners of animals

**Stage 2:** Private veterinarians

**Stage 3:** Local VS (including Lab.)

**Stage 4:** Diagnostic Lab. (Central)

**Stage 5:** Central VS

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## Outcomes of discussions

Stage 1	Sub-stage	Problems	Solution/Action
<b>Farmer</b>	1. Detection of disease	1. Un-noticeable (not clear in clinical sign) 2. Lack of knowledge	1. Awareness campaign 2. Seminar
	2. Notification of disease	3. Lack of communication means 4. Reluctant to report (Worries for culling) 5. Reluctant to report (Not enough compensation, no incentive) 6. Weak in application of legal enforcement	1. Incentive 2. Compensation 3. Budget 4. Awareness

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## Outcomes of discussions

Stage 2	Sub-stage	Problems	Solution/Action
<b>Private Vet.</b>	1. Detection of cases	1. Difficult in differential diagnosis	1. Awareness 2. Training 3. Incentive 4. Budget
		2. Lack of knowledge in disease	
	2. Notification to local VS	3. Lack of knowledge of the importance of notification	1. Training 2. Awareness 3. Incentive
		4. Weak in communication means	1. Budget
	5. No desire	1. Incentive 2. Awareness	

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## Outcomes of discussions

Stage 3	Sub-stage	Problems	Solution/Action
<b>Local VS</b>	1. Laboratory diagnosis	1. Lack of sampling materials (cold chain, etc.)	1. Budget
		2. Competence of staff	2. Training
		3. Difficulties of confirmation in the field	3. Training 4. Budget
		4. Weak in diagnostic facilities & instruments	
2. Notification to Central SV		5. Late or incomplete information from farmers	1. Improve networking
		6. Incomplete information about sample	2. Improve networking
		7. Quality of samples	3. Training

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## Outcomes of discussions

Stage 4	Sub-stage	Problems	Solution/Action
<b>Central Lab.</b>	Laboratory diagnosis	1. Weak in diagnostic facilities	1. Budget
		2. Lack of human resources	1. Budget
		3. Competence of staff	2. Training

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## Outcomes of discussions

Stage 5	Sub-stage	Problems	Solution/Action
<b>Central VS</b>	Notification	4. No direct chain of command	1. Direct chain of command
		5. Transportation and communication means	2. Budget
		6. Promotion on merit	3. Incentive

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## Outcomes of discussions, 2<sup>nd</sup> Meeting

### Common Solutions/Actions

1. Awareness for disease detection and notification
2. Improvement of vet networking between central and local levels
3. Incentive
4. Compensation
5. Training
6. Budget
7. Revision of Legislation



Organisation  
Mondiale  
de la Santé  
Animale

World  
Organisation  
for Animal  
Health

Organización  
Mundial  
de Sanidad  
Animal

## Summary of Progress Reports in 2010

Kenji Sakurai  
OIE Asia-Pacific

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## Thank you very much for your cooperation

Bangladesh, Bhutan, Brunei, Cambodia, PR China, Chinese Taipei, Hong Kong SAR, India, Indonesia, Japan, RO Korea, Laos, Malaysia, Maldives, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand, Vietnam

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## Content of Progress Report

- 1. Report I:** Current situation concerning animal disease info. Networking
- 2. Report II:** Progress in relation to strengthening animal disease info. Networking
- 3. Report III:** Progress in relation to legislation support
- 4. Report IV:** Strengthening animal disease info. Networking in the region

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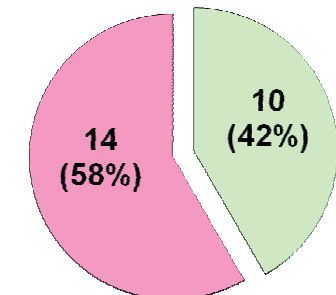
## Report I (Question) "Is your Information Networking System working well?"

Out of **23** Members...

Yes No

Yes: 10 Members (42%)

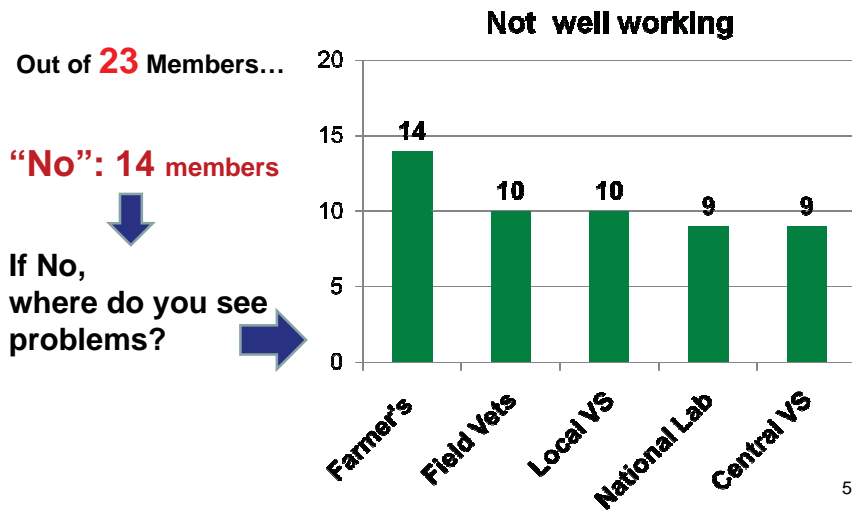
No: 14 Members (58%)



\*One country checked both "yes" & "No."

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## Is your Information Networking System working well?



## 1. Problems at **Farmer's Level**

**14 Members (61%)**

1. Reluctant to report
2. Lack of knowledge on animal disease
3. Low level of knowledge about disease notification
4. No communication means for notification
5. Under-reporting due to low incentive
6. Lack of law enforcement

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## 2. Problems at **Private Vet's Level**

**10 Members (43%)**

1. Lack of knowledge on animal disease
2. No communication means for notification
3. Under-reporting due to low incentive
4. Lack of law enforcement

## 3. Problems at **Local VS**

**11 Members (48%)**

1. Poor communication facilities
2. Lack of motivation in epidemiology survey
3. Limited diagnosis capacity
4. Lack of knowledge on importance of notification

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## 4. Problems at **National Lab.**

**9 Members (39%)**

1. Lack of expertise
2. Lack of diagnostic capacity
3. Lack of budget
4. Lack of updated knowledge

## 5. Problems at **Central VS**

**9 Members (39%)**

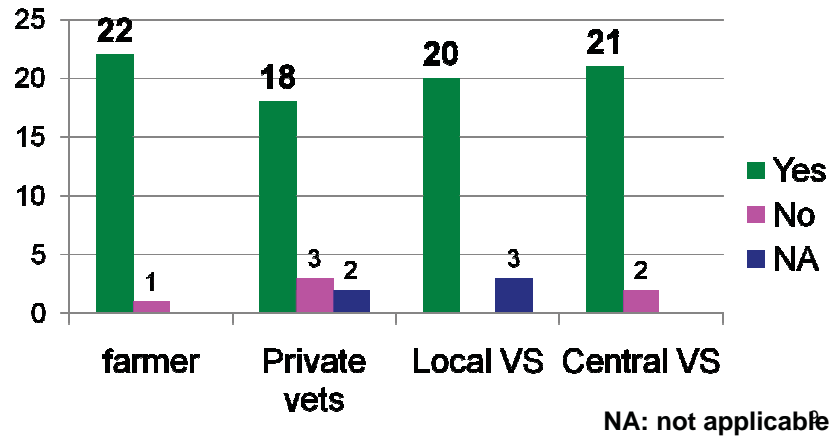
1. Shortage of expertise
2. Shortage of trained staff
3. Lack of diagnostic capacity
4. Lack of budget

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## Report II

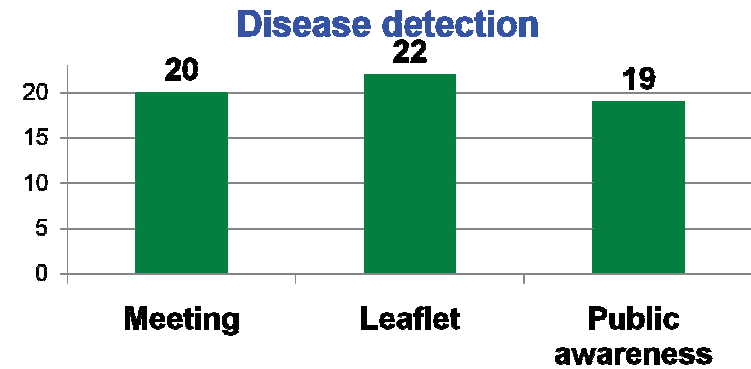
Activities done after 2<sup>nd</sup> Meeting in relation to strengthening of animal disease information networking

Out of **23** members...



## Activities done to improve Disease Detection capacity of Farmers

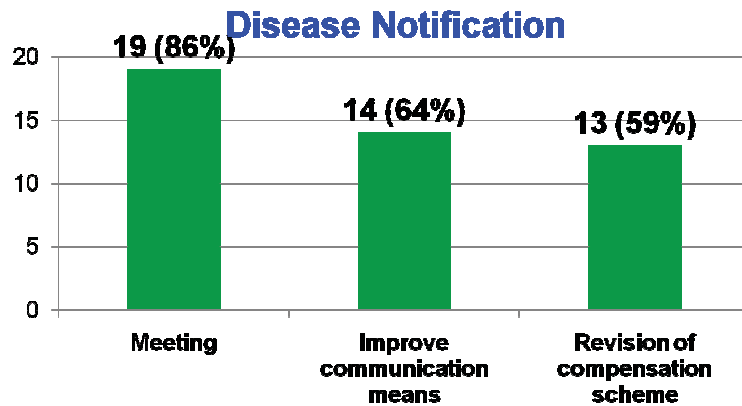
Out of **22** members...



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## Activities done to encourage Farmers to notify diseases

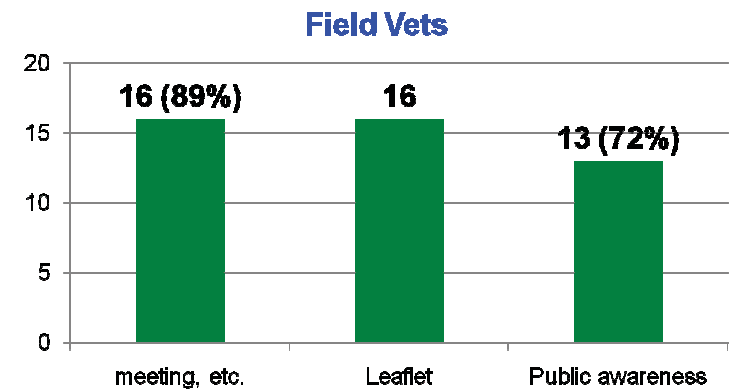
Out of **22** members...



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## Activities done to improve field Vet's knowledge of animal disease

Out of **18** members...

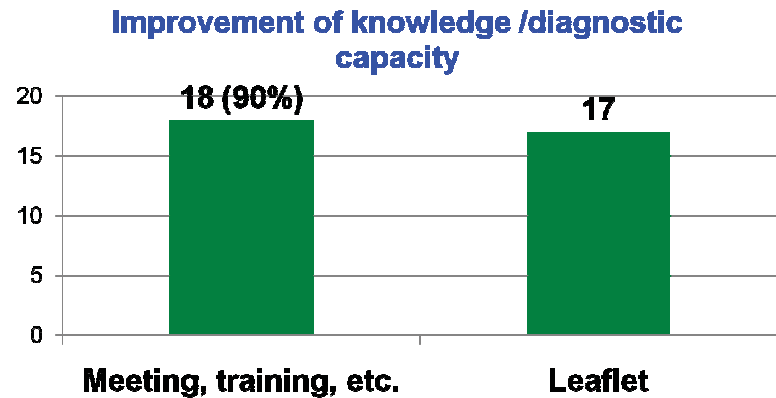


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Activities done to improve **local VS's** knowledge/diagnostic capacity on animal disease

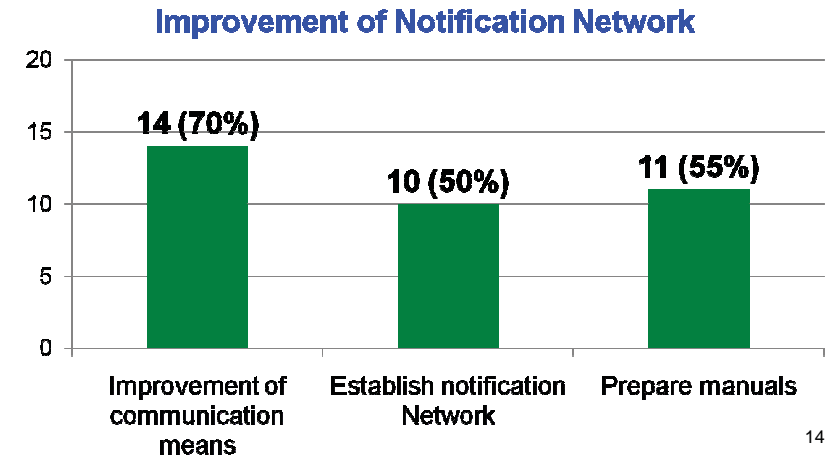
Out of **20** members...



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Activities done to improve **local VS's** Notification Network on animal disease

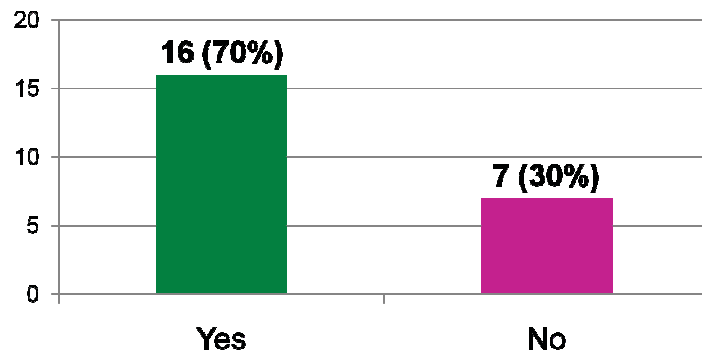
Out of **20** members...



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**Report II**  
Progress done after 2<sup>nd</sup> Meeting in relation to **Legislation Support**

Revision/Drafting of legislation, New law, etc.



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**Some key facts recognized -1**

1. Sixty (60) % of respondents think that their animal disease information networking is not working well.
2. The challenges/problems are most likely to be observed at farmer's level compared to other level.
3. Almost all of the reported problems/challenges coincide with those identified in the previous meetings or questionnaire.
4. Most of the OIE Members in Asia have been making efforts through various activities to improve animal disease information Networking after the 2<sup>nd</sup> meeting in 2009.

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## Some key facts recognized -2

5. The efforts have been made at every stage of the information networking.
6. Sixty (60) % of respondents reported some progress in relation to the improvement of compensation scheme to encourage farmers to report disease cases.
7. Seventy (70) % of respondents reported some progress in relation to the strengthening of legislation Support on animal disease control and prevention.

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## Some Questions

1. How do you evaluate the outcomes of activities done over the last year?
2. Do you think your animal disease information networking system has been improved in some extent?
3. What is your plan for the next 1 year in relation to strengthening animal disease information networking?

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Organisation Mondiale de la Santé Animale    World Organisation for Animal Health    Organización Mundial de Sanidad Animal

## Direction for Discussion Session (16 September 2010)

**Kenji Sakurai**  
OIE Asia-Pacific

### Time table for 16 Sep. 2010

	Part	Time allocation	Time	Remarks
1	Direction for discussion	10 min	8:30-8:40	OIE AP
2	Report from participants	70 min	8:40-9:50	13 participants
	Coffee break	20 min	9:50-10:10	
3	Report from participants	50 min	10:10-11:00	9 participants
4	Discussion on Regional alliance	15 min	11:00-11:15	3 Volunteers
5	Wrap-up	15 min	11:15-11:30	OIE AP

### Brief Report from participants

**1. Allotted time for you: 5 min**

(1) Your speech: **3 min.**    (2) Q & A: **2 min.**

**2. Your Speech is expected to cover the following.**

**(1) Main (high prioritized) problems/challenges & possible solutions:**

Please select and introduce 3 problems/challenges that you reported in your "Progress Report," along with causes and solutions.

**(2) Progress/Activities done after the 2<sup>nd</sup> Meeting:**

Please introduce one or two progress/activities done in relation to the problem that you selected above.

**(3) Strengths:**

Please introduce one strength that you mentioned in your Report I

### Report from participants

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab.</u>			
5. <u>Central VS</u>			

## Cambodia (example)

### No.1: Communication/public awareness

- Problem: Lack of means for communication such fax/phone
- Cause: Due to damage of fax, not enough
- Action/solution: Need financial support and maintenance

### No.2: Reporting network

- Problem: we have existing network but not work well
- Cause: Lack of training and incentive
- Action/solution: Need more training for field staff and incentive

### No.3: Laboratory diagnosis

- Problem: Lack of reagents, kits, chemical, consumable
- Cause: No financial support from government
- Action/solution: Need financial and maintenance support and assurance for laboratory staff

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## Japan (Example)

### No.1:

- **Problem:** (Hesitation to notify of suspicious cases)
- **Cause:** (Concern of misdiagnosis )
- **Action/solution:** (Improvement of communication among stakeholders)

### No.2:

- **Problem:** (Insufficiency of foreign animal health information)
- **Cause:** (Insufficient communication between local veterinary officers and private veterinarians)
- **Action/solution:** (Improvement of communication between local veterinary officers and private veterinarians)

### No.3:

- **Problem:** (Insufficiency of information on wildlife diseases)
- **Cause:** (Lack of information networking system on wildlife diseases)
- **Action/solution:** (Close communication between Animal Health Authority and Wildlife Preservation Authority)

6

(Example)

## Strengths in Animal Disease Notification System

### (Cambodia)

- We have an existing reporting system network from central to **grass root level**.
- Some staff of 24 provinces were trained for animal disease reporting using standard formats

### (Japan)

- Educated farmers, better network of local veterinary officers and established legal framework

7

## Report from participants: Bangladesh

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>	Lack of man power	Increase the number	
3. <u>Local VS</u>	Lack of man power	Increase the number of staff	
4. <u>Central Lab</u>	Lack of man power	Increase the number of staff	
5. <u>Central VS</u>			

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## Report from participants: Bhutan

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>			
<b>2. Private Vet</b>			
<b>3. Local VS</b>			
<b>4. Central Lab</b>	No formal information exchange programme with neighboring countris	Initiate cross border meeting and include Bhutan in the cross border project	
<b>5. Central VS</b>			

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## Report from participants: Brunei

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>			
<b>2. Private Vet</b>			
<b>3. Local VS</b>			
<b>4. Central Lab</b>	Small number of Veterinarians Inability to fulfill certain requirements with the current workload	Currently expanding our building capacity for future	
<b>5. Central VS</b>			

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## Report from participants: Cambodia

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>	Lack of means for communication	Financial support	
<b>2. Private Vet</b>	Lack of means for communication	Financial support	
<b>3. Local VS</b>	Lack of means for communication	Financial support	
<b>4. Central Lab</b>	Lack of means for communications	Financial support	
<b>5. Central VS</b>			

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## Report from participants: PR China

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>	Limited diagnosis	Training	
<b>2. Private Vet</b>	Limited diagnosis	Training	
<b>3. Local VS</b>	Limited diagnosis (limited education)	Training	
<b>4. Central Lab</b>			
<b>5. Central VS</b>			

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## Report from participants: Chinese Taipei

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>	Poor public awareness of notifiable diseases	Continuous education and communication by meeting, campaign, TV	
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>			
5. <u>Central VS</u>			

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## Report from participants: Hong Kong SAR

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>	Susceptible to the risk of local outbreak from disease crosses territorial boundary	To maintain close communication and cooperation with Mainland China and Macau authorities	
5. <u>Central VS</u>			

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## Report from participants: India

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>			
5. <u>Central VS</u>			

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## Report from participants: Indonesia

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>	Reluctant to report diseases	1. Continuous Public awareness, 2. Compensation 3. Law enforcement	
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>			
5. <u>Central VS</u>			

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## Report from participants: Japan

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>	Hesitation to notify of suspicious cases	Improvement of communication amongst stakeholders	
3. <u>Local VS</u>	Hesitation to notify of suspicious cases	Improvement of communication amongst stakeholders	
4. <u>Central Lab</u>			
5. <u>Central VS</u>			

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## Report from participants: Laos

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>	Inadequate of qualified personnel	Need more qualification through subject matter training	
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>			
5. <u>Central VS</u>			

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## Report from participants: Malaysia

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>	Data & information received not complete and timely	Simplify the reporting system using electric communication system	
5. <u>Central VS</u>			

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## Report from participants: Maldives

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>			
3. <u>Local VS</u>	Inadequate data collection, diagnosis procedure	Improve capacity Proper record keeping-database	
4. <u>Central Lab</u>	Inadequate data collection, diagnosis procedure	Improve capacity Proper record keeping-database	
5. <u>Central VS</u>			

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## Report from participants: Mongolia

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>	Delayed notification about disease suspicious case to local Veterinary unit	Awareness and improve knowledge Legal basis of obligation	
3. <u>Local VS</u>			
4. <u>Central Lab</u>			
5. <u>Central VS</u>			

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## Report from participants: Myanmar

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>	Lack of awareness of disease control	Public awareness activities	
2. <u>Private Vet</u>	Lack of awareness of disease control	Public awareness activities	
3. <u>Local VS</u>			
4. <u>Central Lab</u>			
5. <u>Central VS</u>			

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## Report from participants: Nepal

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>	No compulsory provision for notification to all stakeholders	Provision of veterinary legislation	
5. <u>Central VS</u>	(Lack of legislation to enforce all stakeholders)		

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## Report from participants: Philippines

Stage	Problem/Cause	Solution/action	Progress
1. <u>Farmer</u>			
2. <u>Private Vet</u>			
3. <u>Local VS</u>			
4. <u>Central Lab</u>	Quality of data and information sent to Central VS	Improvement of information system	
5. <u>Central VS</u>			

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## Report from participants: Singapore

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>	Prompt reporting of mortality in farms	Regular inspection to farms Briefing farmers on procedures to notify	
<b>2. Private Vet</b>			
<b>3. Local VS</b>			
<b>4. Central Lab</b>			
<b>5. Central VS</b>			

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## Report from participants: Sri Lanka

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>			
<b>2. Private Vet</b>			
<b>3. Local VS</b>			
<b>4. Central Lab</b>	Absence of an efficient, appropriate software programme for animal disease data collection and management networking	Develop WAHID compatible software for common use by member countries	
<b>5. Central VS</b>			

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## Report from participants: Thailand

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>	Lack of animal disease interest in farmers (backyard system)	Public awareness campaign Various IEC materials to be produced and distributed by using diverse media to reach each target audiences	
<b>2. Private Vet</b>			
<b>3. Local VS</b>			
<b>4. Central Lab</b>			
<b>5. Central VS</b>			

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## Report from participants: Vietnam

Stage	Problem/Cause	Solution/action	Progress
<b>1. Farmer</b>	Under-reporting Low incentive Lack of laws enforcement Lack of knowledge		
<b>2. Private Vet</b>	Under-reporting Low incentive Lack of law enforcement	Strengthening field veterinary services by paying monthly allowance Revision of compensation rates and issuing updated regulations on animal disease notification	
<b>3. Local VS</b>			
<b>4. Central Lab</b>			
<b>5. Central VS</b>			

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## Activities on Animal Health Information Networking and TADs

OIE Regional Meeting on Strengthening Animal Health Information  
Networking in Asia, 15 – 16 September 2010, Tokyo, Japan

**Pawin Padungtod**  
Regional Project Coordinator  
Emergency Center for Transboundary Animal Diseases (ECTAD)  
FAO Regional Office for Asia and the Pacific (RAP)



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## FAO Activities on Animal Health Information Networking and TADs

- Regional Epidemiology Consortium
- Regional Laboratory Network for HPAI  
Diagnosis in SE Asia
- EMPRESi – Asia



## Regional Epidemiology Consortium

- Member
  - Government Agency
    - CIRAD (France)
    - DAFF (Australia)
  - University
    - CSU (USA)
    - MU (Australia)
    - RVC (UK)
    - ULB (Belgium)
  - International Organization
    - OIE
    - ILRI
    - DAI



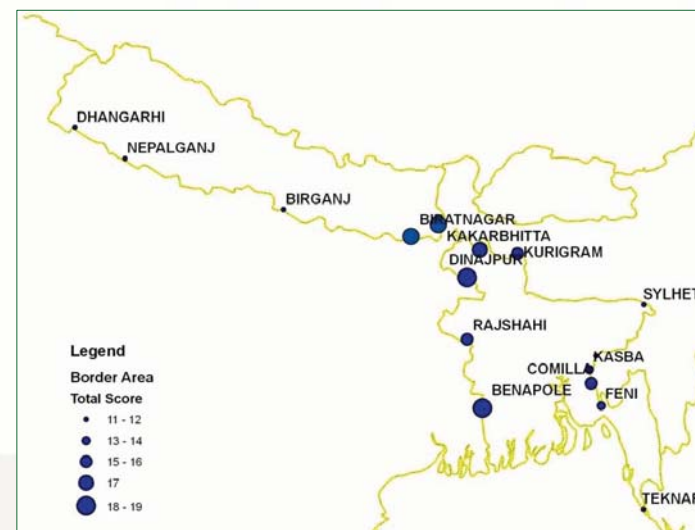


## Regional Epidemiology Consortium

- Regional Framework of Collaboration
  - Veterinary Epidemiology Capacity Building
    - Field Epidemiology Training Programme for Veterinarian
  - Information Sharing
    - EMPRESi
  - Knowledge Identification and Utilization
    - Improve understanding of disease dynamics and risk at the regional level in terms of production and supply chain
    - Improve understanding of roles of wildlife and migratory species in disease dynamic and transmission



## Cross-border Risk of Disease



## Regional Laboratory Network for HPAI Diagnosis

- Capacity development
- Quality assurance
- Sharing of biologic materials
- Sharing of information
  - AI-Network-Asia
  - EMPRESi



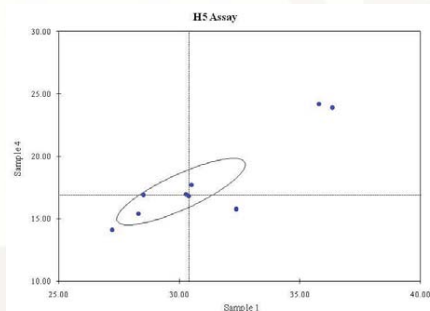
## Strategic Framework for Capacity Building for HPAI Laboratory Diagnosis and Networking

- Policy and Management
- Physical Facilities
- Equipment
- Laboratory Personnel
- Testing Protocol
- Sharing information and biologic materials

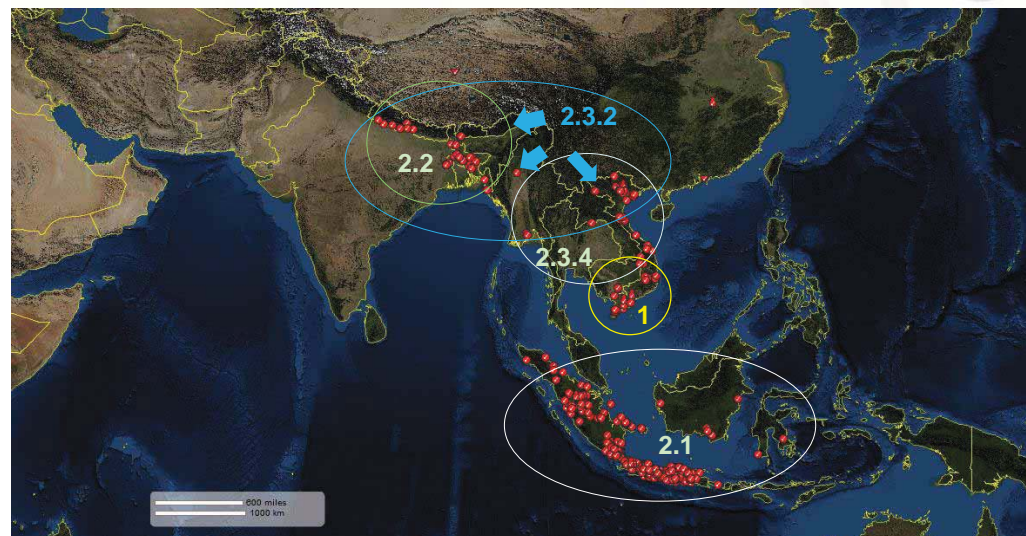


# Quality Assurance

- Workshop
  - Harmonize QA, biosafety, testing protocols
- Training
  - Regional
    - Regional resource people
  - Sub-regional
    - Trainers
  - In-country
    - Laboratory staff
- Reference reagents
- Proficiency testing



# HPAI HA Clades 2010



# Sharing of biologic materials

- Submission of samples from outbreaks and surveillance to reference laboratory
- Quality control of test reagents (validation)



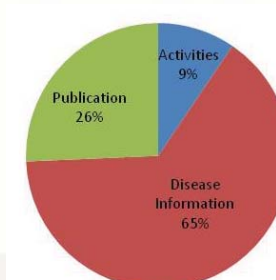
# Information Sharing

- AI-Network-Asia email circulation

Subscriber Composition (n = 300)



Circulated Materials Composition (n = 74)



# EMPRESi – Asia

- Web based
  - Access : <http://ectad-asia.fao.org/ea-server/>
  - Manual : <http://ectad-asia.fao.org/ea-server/manual/ECTAD%20Asia%20public%20user%20guide.pdf>
- Disease tracking information system
  - Sharing several types of reports
  - Integrated database i.e. GLIPHA
  - GIS mapping and analysis tools
- Document management system
  - Protocols
  - Publication
- Forum for discussion
  - Regional
  - Country



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AGA-TCE

Emergency Centre for Transboundary Animal Diseases for Asia and the Pacific

ECTAD - RAP

# EMPRESi-Asia

Public User Disease events

Library

Directory

Authorized users Workspace filter

Insert events

Forum

News

Documents

Administrators Validate disease events

Grant user authorization

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AGA-TCE

Emergency Centre for Transboundary Animal Diseases for Asia and the Pacific

ECTAD - RAP

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# EMPRESi-Asia

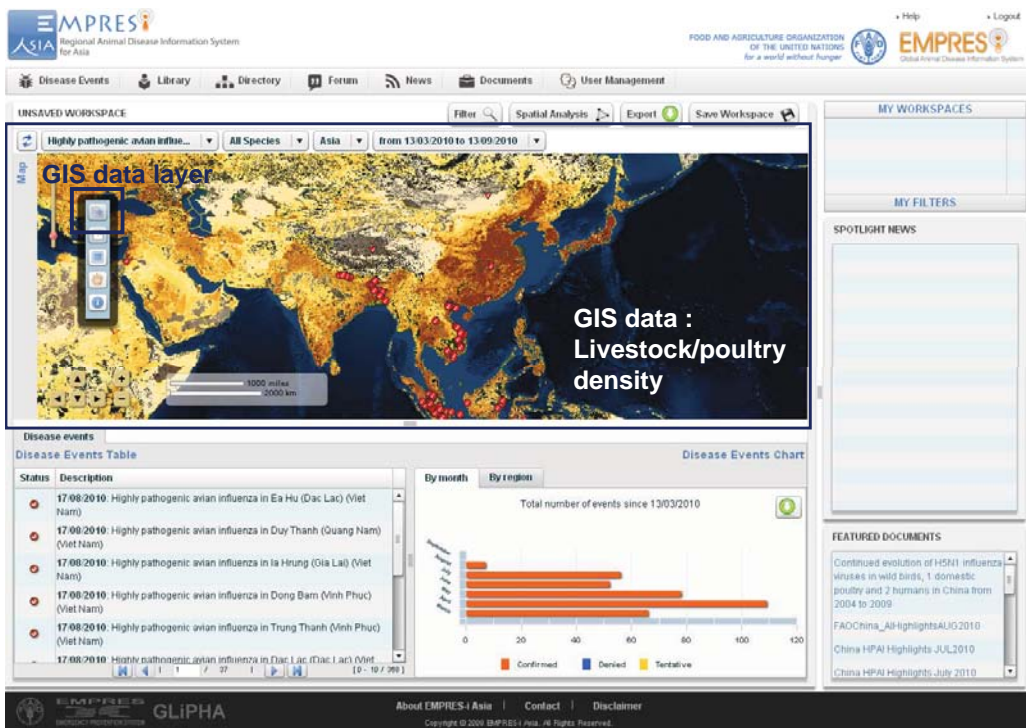
- HPAI and FMD data available
- GIS tools
  - Browse spatial data i.e. livestock density
- Spatial analysis tools
  - Proximity analysis
    - Distance to nearest feature
  - Zonal analysis
    - Statistics within buffer zone
    - Statistics within administrative area

16

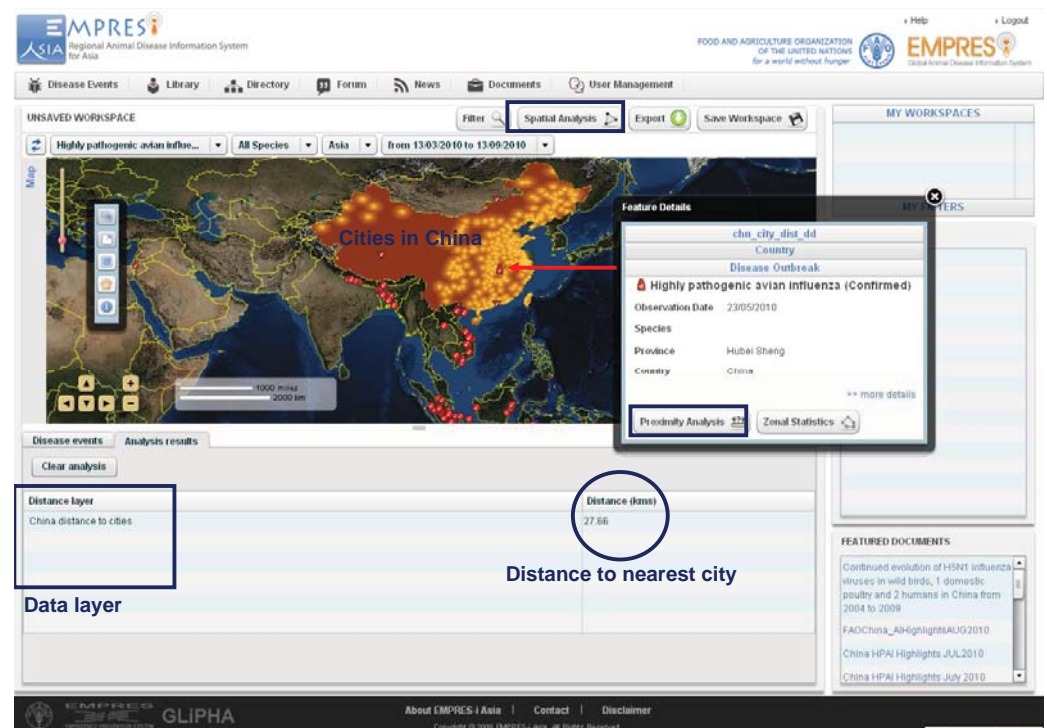
AGA-TCE

Emergency Centre for Transboundary Animal Diseases for Asia and the Pacific

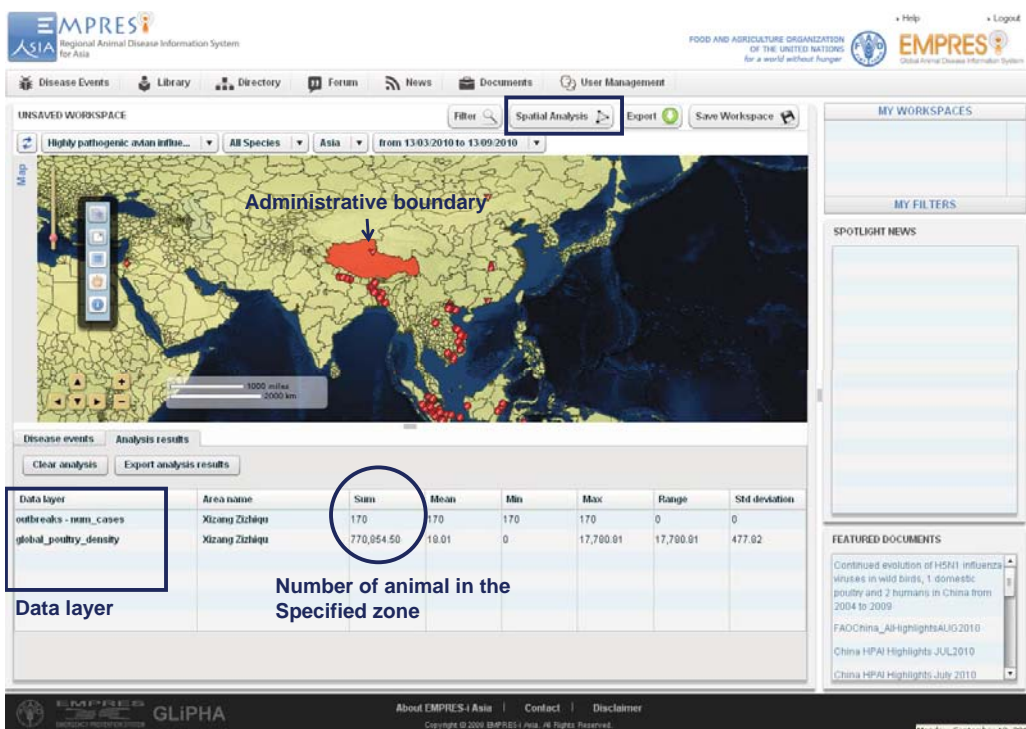
ECTAD - RAP



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Food and Agriculture Organization of the United Nations

## Key Lessons for Future Network

- Coordination and collaboration among FAO projects and other international key partners would minimize duplication but maximize efforts and resources with good outputs and outcomes for member countries.
- Efficient networking can be maintained through a network of people
  - Maintain the communication through trainees from various projects
- Existing regional networks for epidemiology and laboratory for HPAI should be good platform for future emerging diseases for the region

## OIE Activities in Animal Health Information Networking and Veterinary Legislation



Dr Karim Ben Jebara  
Head  
Animal Health Information Dpt

Third OIE Regional Meeting on Strengthening Animal Health Information Networking in Asia under the OIE/JTF Project for Strengthening HPAI control in Asia

Tokyo, Japan, 15-16 September 2010

## WORLD ANIMAL HEALTH INFORMATION SYSTEM WAHIS



### WAHIS online notification

- WAHIS
  - Provides countries with a simpler and quicker method of sending sanitary information => compliance countries with their international obligations vis-à-vis the OIE
  - Allows countries to benefit from the new capabilities put in place to produce essential and useful information while minimizing possible errors or delays
  - Countries' data benefit from the systems reliability and safety

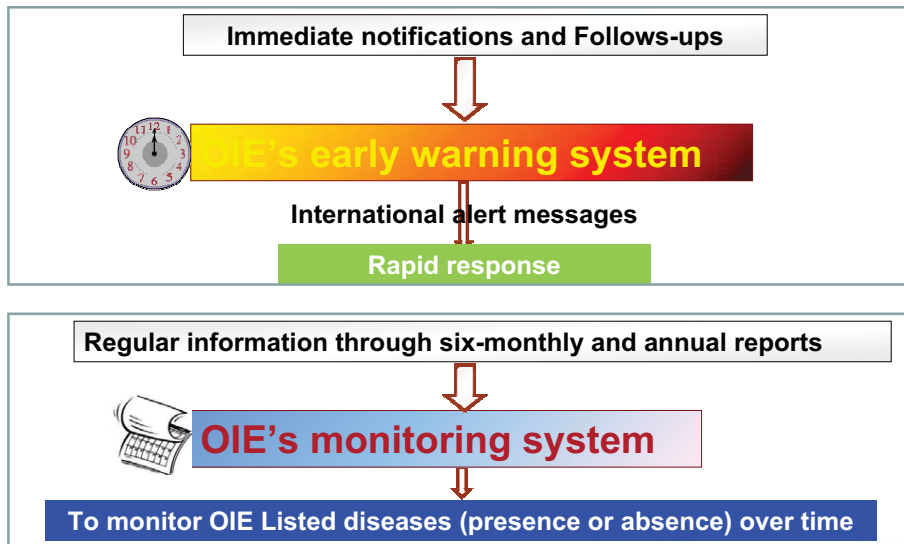
### World Animal Health Information System (WAHIS)

Access to WAHIS application allows users from Member Countries and Territories, namely Delegates or their nominees, to electronically submit notification reports:

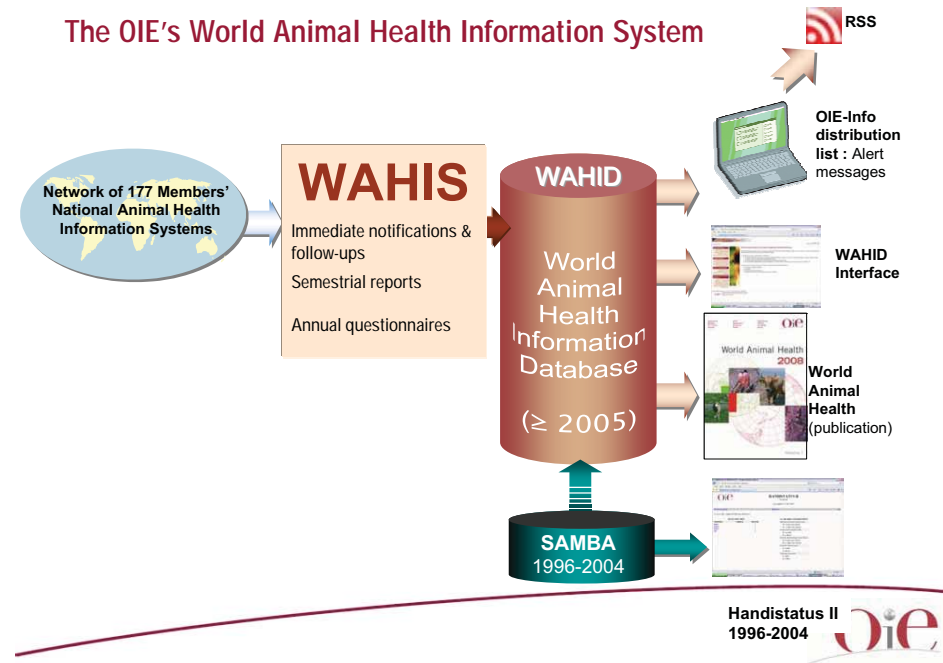
- immediate notifications
- follow-up reports
- six-monthly reports
- annual reports



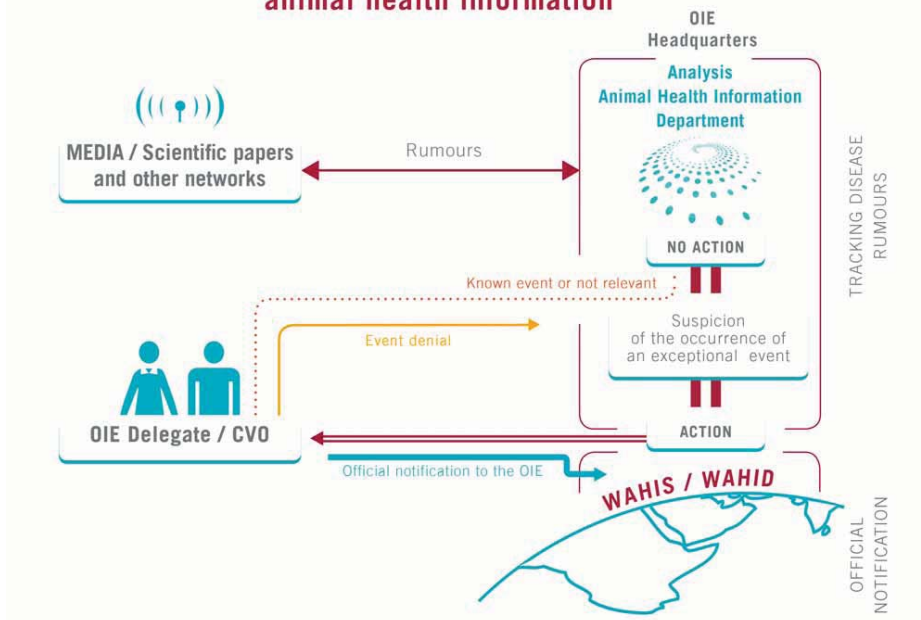
## General objectives of the System



## The OIE's World Animal Health Information System



## Active search for non-official animal health information



## Objectives

- Improve **transparency** of the animal health situation worldwide
- Improve the efficiency of the **OIE's Early Warning System** for better animal disease awareness and preparedness



## OIE NETWORKS

- OIE Reference Laboratories
- OIE Collaborating Centers
- OIE Delegates
- OIE Focal Points
  - ✓ Animal health information systems
  - ✓ Wildlife
  - ✓ Aquatic animal diseases
  - ✓ Veterinary medicinal products
  - ✓ Animal welfare
  - ✓ Animal production & food safety

Oie

## WAHIS EVOLUTION - WAHIS 2



Oie

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

The OIE is aware of 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 limit transparency

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

Oie

## Among the new functionalities

1. Differentiated registration and display for the **occurrence codes**, when relevant, between domestic animals and wild animals (started in 2009)
2. To generate **two completely 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 2011).
3. Improvement of the **management of periodicity of reporting diseases** within the six-monthly period (for an ongoing six-month period): send monthly information for a selected number of diseases that are known to be present, which could be validated and made public on monthly basis, without submitting the whole report. The rest of the report will be completed at the end of the period (starting from 2011)

Oie

## Among the new functionalities

4. For wildlife, WAHIS will offer a **list of known susceptible species for terrestrial animals** in order to report the correct host animal (starting from 2011);
  - by family name;
  - 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) (starting from 2011);
6. There will be a **different interface than WAHID in the OIE web site** to display data on non-OIE listed disease in wildlife (starting from 2011).



## Regional Information Systems: the OIE strategy for regional networking



### WAHIS Regional Core: first option of networking among countries

- ❑ For **disease control purposes**, the OIE offers the possibility for groups of Members/Regional Organisation, and for **priority endemic diseases** covered by a regional control programme

... to provide and share more information than the minimal information required by the OIE for these endemic diseases (six-monthly reports)  
(e.g. outbreak by outbreak)



### WAHIS Regional Core: first option of networking among countries

- ❑ A regional core enables members to enter data for different purposes: meet the objectives of the regional control programme while respecting their reporting obligations of notification towards the OIE
- ❑ This approach avoids discrepancies between processed data posted on the OIE website and data used by the regional control programme (and its regional website) and avoid them a lost of time in completing several reports



## WAHIS Regional Core: first option of networking among countries

- Non-confirmed information (rumours or suspicions of disease outbreaks) could be shared between participating Members only
- Only confirmed information will be transferred to the OIE and –through the OIE- to the rest of the world
- Such regional databases can be hosted free of charge by the OIE central servers (ensure sustainability)



## WAHIS Regional Core: second option of networking among countries

- If the OIE collected data as part of the six-monthly reporting procedure (by monthly breakdown), is sufficient for a region, then an agreement could be signed between the regional organisation and the OIE
- The OIE will provide data on these priority diseases for Members of the region to be analysed, displayed on the regional web site or be provided in different types of publications such a bulletin to be published inside the region



## WAHIS Regional Cores in Action

Regional Agreement signed between the OIE and:

- [Network of Aquaculture Centres in Asia-Pacific \(NACA\)](#)
- Organismo internacional regional de sanidad agropecuaria (OIRSA)
- Secretariat of the Pacific Community (SPC)
- Others are in the pipeline

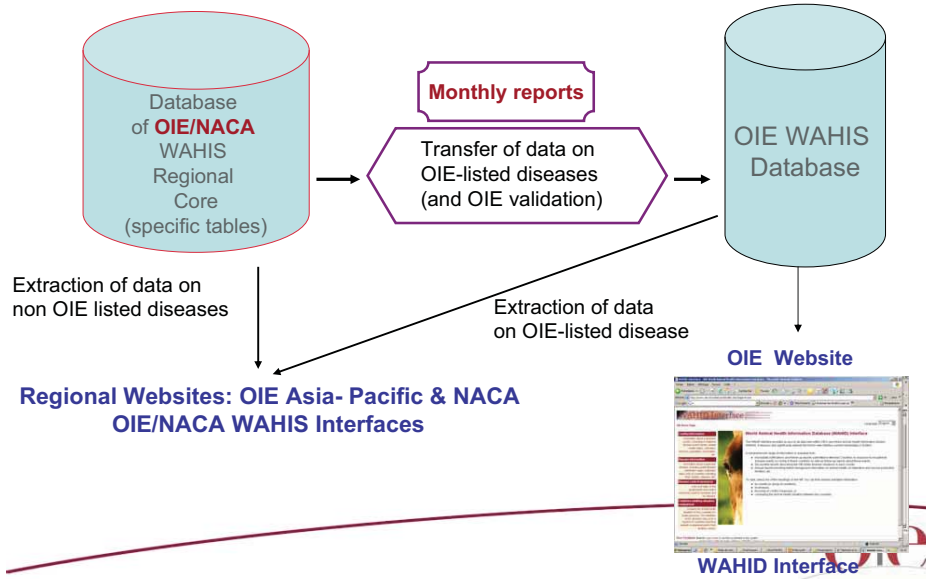


## OIE/NACA WAHIS Regional Core

- Concept note project was designed then discussed during the [OIE/NACA Regional Workshop on Aquatic Animal Health](#) held in Bangkok, Thailand, late March 2008
- [Official agreement](#) designed then signed by the DGs of OIE and NACA in April 2008
- [The development of this Regional Core](#) has been included as a component of the Development of WAHIS 2 that started in May 2009 and is now being tested



## Data Transfer for OIE/NACA WAHIS Regional Core



## WAHIS 2- Regional Core- Regional programmes creation

report draft - OIE World Animal H... x

WAHIS World Animal Health Information System

System Administration

Possibility to add a Regional programme

Possibility to choose the type of details: by outbreak or by month

Administrators

Administrator Notices

SIS user messages

Weekly Disease Information

SIS Messages

Statistics

Translation

Reference tables

Regional programmes

- > List of regional programmes
- > Countries participating in regional programmes
- > Diseases managed by regional programmes
- > Edit Types of Documents

System Administration

Edit Regional Programmes

Program name: NACA

Description:

Date of start of programme:

Date of end of programme:

Type of report: Immediate Notification, Immediate Notification, Monthly Report

Approved logo:

Percentage:

Web Site URL:

Add Edit

Oie

## WAHIS 2- Regional Core- countries participating

report draft - OIE World Animal H... x

WAHIS World Animal Health Information System

System Administration

Possibility to add countries participating in a regional programme

Administrators

Administrator Notices

SIS user messages

Weekly Disease Information

SIS Messages

Statistics

Translation

Reference tables

Regional programmes

- > List of regional programmes
- > Countries participating in regional programmes
- > Diseases managed by regional programmes
- > Edit Types of Documents

System Administration

Edit Regional Countries

Program name: NACA

Country: Australia

Date of start of participation:

Date of end of participation:

Add Edit

Data listing

Search columns: Program name Starting with: naca Search Clear

Program name	Country	Date of start of participation	Date of end of participation	Action
NACA	Senegal	01/01/2010	01/01/2011	[Add] [Edit] [Delete]
NACA	Hong Kong (P.R. China)	01/01/2010	01/01/2011	[Add] [Edit] [Delete]
NACA	India	01/01/2010	01/01/2011	[Add] [Edit] [Delete]
NACA	Indonesia	01/01/2010	01/01/2011	[Add] [Edit] [Delete]
NACA	Malaysia	01/01/2010	01/01/2011	[Add] [Edit] [Delete]

Page 1

Oie

## WAHIS 2- Regional Core- diseases of interest

report draft - OIE World Animal H... x

WAHIS World Animal Health Information System

System Administration

Possibility to add a the diseases of interest by the regional programme

Administrators

Administrator Notices

SIS user messages

Weekly Disease Information

SIS Messages

Statistics

Translation

Reference tables

Regional programmes

- > List of regional programmes
- > Countries participating in regional programmes
- > Diseases managed by regional programmes
- > Edit Types of Documents

System Administration

Edit Regional Diseases

Program name: NACA

Disease: Infection with Bonamia ostreae

Date of start of validity:

Date of end of validity:

Add Edit

Data listing

Search columns: Program name Starting with: naca Search Clear

Program name	Disease	Date of start of validity	Date of end of validity	Action
NACA	Esophageal adenocarcinoma			[Add] [Edit] [Delete]
NACA	West Nile virus infection			[Add] [Edit] [Delete]
NACA	Albany virus meningoencephalitis			[Add] [Edit] [Delete]
NACA	Infection with Bonamia ostreae			[Add] [Edit] [Delete]
NACA	Infection with Babatrypanum demersabile			[Add] [Edit] [Delete]
NACA	Spring viraemia of carp			[Add] [Edit] [Delete]
NACA	Enteric septicemia of catfish (E. ictaluri)			[Add] [Edit] [Delete]

Page 1

Oie

## WAHIS 2- Regional Core (ex: NACA)

Possibility to add a all the data by month for Aquatic animals in the regional programme

Animal type @ Aquatic

WAHIS 2- Regional Core (ex: NACA) interface showing a report for Australia. The interface includes a navigation menu, a main content area with a report titled '1: Monthly Report : 2010', and a filter section for 'Fish'. The filter section includes a 'Filter by group:' dropdown and a list of diseases with checkboxes.



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de la Santé  
Animale

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Mundial  
de Sanidad  
Animal

## OIE Global Initiative for strengthening veterinary legislation



## Outline

- Guidelines on veterinary legislation
- OIE PVS Tool
- Veterinary Legislation global programme



## Guidelines on veterinary legislation

At the request of Members OIE has developed Guidelines on all essential elements to be covered in veterinary legislation



## Model versus guideline approach

	Models	Guidelines
Disadvantages	<ul style="list-style-type: none"><li>• Used without conversation</li><li>• Rigid, difficult to fragment</li><li>• Not adapted to local context</li></ul>	<ul style="list-style-type: none"><li>• Very general</li><li>• Major work of conversationn</li><li>• No ready-made solution</li><li>• Mastery of all the technical, legal and drafting principles required</li></ul>
Advantages	<ul style="list-style-type: none"><li>• Easy to use</li></ul>	<ul style="list-style-type: none"><li>• <b>Relevant and durable texts, adapted to the legal system</b></li><li>• <b>Acquisition of autonomy</b></li></ul>



## OIE Guidelines on veterinary legislation

[http://www.oie.int/eng/oie/organisation/A\\_Guidelines\\_Vet%20Leg.pdf](http://www.oie.int/eng/oie/organisation/A_Guidelines_Vet%20Leg.pdf)

### Part I: General recommendations

### Part II: Technical recommendations



## Utilisation of the Guidelines

### Strategic aspects

- Political decision at a suitably high level
- Development of a strategy
- Development of a realistic timetable



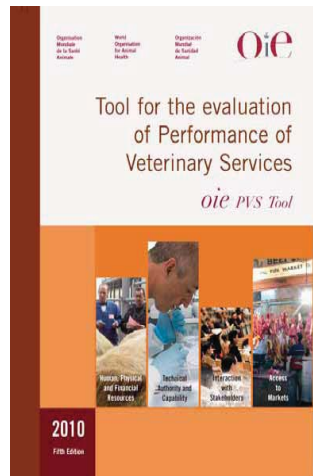
## Utilisation of the Guidelines

### Tactical aspects

- Adequate, mandated human resources (multiple disciplines)
- Legal and statistical resources



## OIE PVS tool and legislation



- legislation is an element of most critical competences (CC)
- Specific references to legislation are in CC IV-1 & IV-2



## Critical competency IV-1

*IV-1 Preparation of legislation and regulations, and implementation of regulations*

*The authority and capability of the Veterinary Services to actively participate in the preparation of national legislation and regulations, and to implement animal health and food safety regulations for animals, animal products and processes under their mandate.*



## Critical competency IV-2

*IV-2 Stakeholder compliance with legislation and regulations*

*The authority and capability of the Veterinary Services to ensure that stakeholders are in compliance with animal health and food safety regulations under the Veterinary Services' mandate.*

This competency is based on:

Administrative and legal powers of enforcement

The capacity to establish inspection programmes based on risk analysis

Systems to evaluate relevance and progress re: the aims of the legislation.



## A State function

Veterinary legislation plays an important role in relation to:

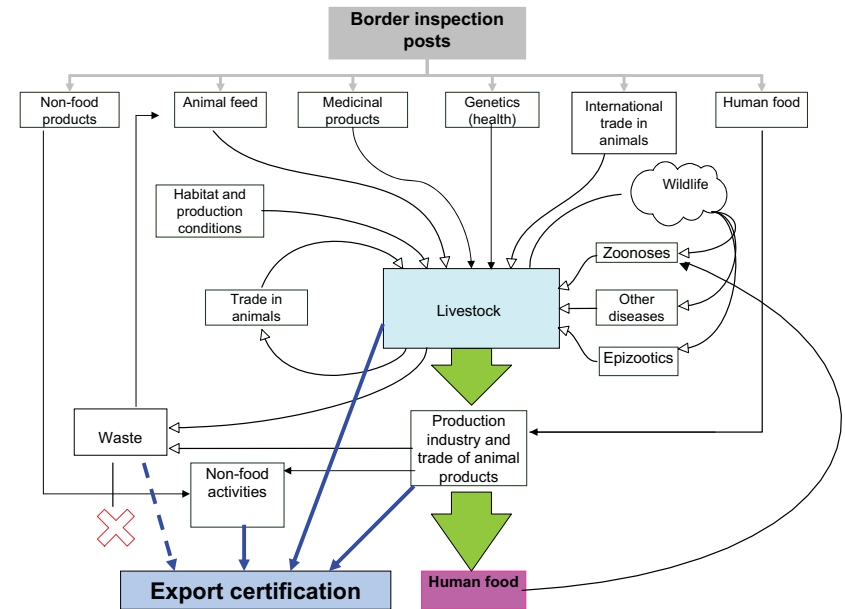
- Food security
- Food safety (food products, zoonoses)
- Animal Health
- Animal production (GDP);
- International trade (economic security)



## OIE Guidelines: General section

A definition of the veterinary domain:

“All actions directly or indirectly related to animals, their products and by-products, whenever such actions help to protect, maintain and improve human health, namely the physical, moral and social welfare of humans”



The veterinary domain



## OIE PVS Tool and Legislation

Lessons learned from nearly 100 PVS evaluations of OIE Members

Many countries urgently need to update their veterinary legislation to meet current and future challenges.



## OIE Veterinary Legislation mission

Lessons learned:



- Members have real but variable needs
- Practical aspects prevail over strategic aspects
- Main work concerns improving conformity in the short-term, as well as sustainable development
- Emergencies challenge structured decision-making





## OIE Veterinary Legislation mission

### Lessons learned:



- Many VS do not have appropriate legal services or effective external support
- Lack of awareness of procedures / mechanisms for creation of legal and regulatory instruments
- Lack of organised participation by stakeholders
- Few management tools
- Policy and decision makers do not consider VS a priority



## Solutions

- Veterinary legislation is a matter for the State.
- Real, strong, long-term political support at the highest level (Ministerial at least) is key
- There is no unique 'correct model' – rather, guidelines and adaptation on a case-by-case basis
- Collaboration between Ministries
- Meaningful involvement of stakeholders
- There is no quick solution!



## Solutions

The Veterinary Services must have:

- a strategic vision (an overall long-term approach)
- Stable and sustainable organisation and legislative base
- human and material resources allocated to fulfil their missions



## Solutions

In view of:

- The importance of high quality veterinary legislation and that improvement of veterinary legislation is a prerequisite to improving performance, the OIE makes a commitment to support Members wishing, to follow the PVS Pathway, including through the global Veterinary Legislation initiative.



# Thank you for your attention



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