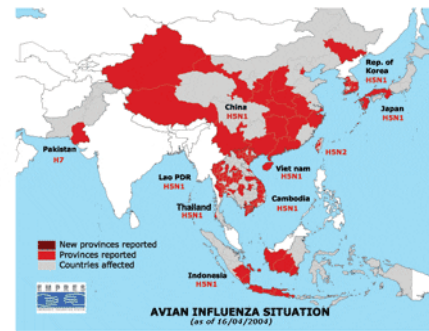


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**FAO AIDE**news  
Avian Influenza Disease Emergency**Update on the Avian Influenza situation  
(As of 16/04/2004) – Issue no. 12**

The information summarized below is gathered from official and non official sources, which are quoted in the text. AIDE news is prepared by the FAO Technical Task force on Avian Influenza.

## 1. Summary of the situation

Since January 2004, Highly Pathogenic Avian Influenza (HPAI) - H5N1 has been reported in Viet Nam, Thailand, Cambodia, Lao PDR, Japan, the Republic of Korea, Indonesia and China. The number of countries remains the same since the previous issue.

### Highly Pathogenic Avian Influenza (HPAI) confirmed:

- **Thailand:** Two outbreaks in Chonburi, Khonkaen provinces were officially reported on 9/04/04. (9/04/04 source: FAO; government)

### Under investigation / rumours and suspicions / other information:

- **Russia:** Several rooks (*Corvus frugilegus*) that migrated recently to Russia's Far East from Southeast Asia were found dead at a national park. (06/04/04 - source: yahoo news)
- **Mongolia:** In mid March 2004 Mongolia reported the death of wild birds in the Southeast of the country, near the Chinese border. 53 birds were found dead between 10–15/03/2004 in Erdenetsagaan soum (county), Sukhbaatar aimag (province), in south-eastern Mongolia (48 Daurian jackdaws, 3 Mongolian larks, 1 horned lark, 1 Daurian partridge). This area directly borders China. Within the dead birds, the only truly migratory species is the jackdaw; they over-winter in Central China. Jackdaws arrive in Mongolia from beginning of March and most migrate further north into Mongolia or to Siberia. Another five dead birds (jackdaws and crows) were found around Ulaanbaatar (UB) in mid March. No bacterial cause of death was revealed. For the virological diagnosis, incubated eggs were inoculated with specimen from the dead birds. Investigations are still going on. (9/04/04 - source: FAO, WHO, government, gphin)
- **Bangladesh:** At least 200 ducks were reported to have died in B'baria district of Bangladesh in early April. It is said that the affected ducks died within 3 days. The cause of the deaths is claimed to be i.e. Duck plague (duck virus enteritis). (07/04/04 - source: ProMED)

## 2. Countries affected (as of 16/04/2004)

area	date declared to OIE	type	animals affected	human case	additional information	
					info.	source <sup>1)</sup>
Republic of Korea	17/12/03	H5N1	layer, duck; virus isolated: magpie	no		Government; web media
Viet Nam	8/01/04	H5N1	chicken, quail, duck, muscovy duck	yes		gphin <sup>2)</sup>
Japan	12/01/04	H5N1	chicken, crow	no		gphin, government
Taiwan province of China	20/01/04	H5N2	chicken, duck, pheasant	no	low pathogenic	gphin; meeting report
Thailand	23/01/04	H5N1	virus isolation: chicken, duck, goose, quail, turkey, stork	yes		gphin, FAO; government <sup>3)</sup>
Cambodia	24/01/04	H5N1	Chicken, duck, goose, turkey, guinea fowl, wild bird	no		FAO; government
Hong Kong SAR	26/01/04	H5N1	Peregrine falcon	no		gphin
Lao, PDR	27/01/04	H5N1	Chicken, duck and quail	no		FAO; government
Pakistan	28/01/04	H7N3 H9N2	layer	no	Only H7 is currently considered Highly Pathogenic; homologous vaccine is available	FAO; government
Indonesia	06/02/04	H5N1	Chicken, duck and quail	no	homologous vaccine is available	gphin, FAO; government
China	06/02/04	H5N1	virus isolation: chicken, duck, goose, quail, pigeon, pheasant, black swan	no	heterologous vaccine is used / exported	FAO; government
United States of America	11/02/04	H7N2	Chicken	no	Low pathogenic	<b>Delaware</b> Department of Agriculture Statement; FAO
		H2N2	Chicken	no	Low pathogenic	ProMED; <b>Pennsylvania</b> Department of agriculture website
	23/02/04	H5N2	Chicken	no	High pathogenic	<b>Texas</b> Animal Health Commission and USDA website; FAO
		H7N2	Chicken	no	conducting study	<b>Maryland</b> Department of Agriculture News Release; FAO
Canada	19/02/04	H7N3	Chicken	yes (conjunctivitis)	Low pathogenic	gphin; government website
	09/03/04	H7N3	Chicken		High pathogenic	gphin; government website
Netherlands		H7	Chicken	no	antibody against avian influenza found	FAO; gphin; ProMED
South Africa			commercial poultry	no	low pathogenic	ProMED

1) Official (OIE) and non official Information (ProMED, press agencies, FAO tracking systems...)

2) Gphin: Global Public Health Intelligence Network (Health Canada)

3) FAO; government: FAO representative in concurrence with Government sources

### 3. Actions taken – follow-up

➤ **FAO/OIE Emergency Regional Meeting on Avian Influenza Control in Animals in Asia (26-28 February).**

The final report of the FAO/OIE emergency regional meeting on avian influenza is now available on the following website. The meeting was held in Bangkok with the participation of veterinary service representatives of 23 countries, 13 donor representatives, ASEAN (Association of Southeast Asian Nations) and SAARC (South Asian Association for Regional Cooperation) personnel, 11 industry officials (animal health and feed sector companies), avian influenza experts, and FAO, OIE, and WHO staff. The full text of the final report is available on:

[http://www.fao.org/ag/againfo/subjects/en/health/diseases-cards/HPAI\\_Bangkok.pdf](http://www.fao.org/ag/againfo/subjects/en/health/diseases-cards/HPAI_Bangkok.pdf)

A CD with all reports and presentations made during the meeting can be sent on request.

➤ **National Workshop on the Technical and Operational Management of Avian Influenza (Hanoi, Viet Nam. 7-8 April 2004)**

The workshop was attended by Department of Animal Health (DAH), National Diagnostic Veterinary Centre, National Institute for Veterinary Research, Regional Veterinary Centres (all six regions), Provincial Sub Department of Animal Health (SDAH, nine provinces) including all key staff in management roles, regional and provincial roles. A total of 42 participants from all over the country attended the workshop for two days. The objective of the meeting was to discuss on AI surveillance methodologies, priorities and operational management of AI surveillance responsibilities.

The main outcome of the workshop was agreement on the technical and operational management of surveillance and diagnostics in Viet Nam at all levels (from farm to central government). Operational tasks; laboratory tests and data management; surveillance on suspect cases from the first suspicion at the farm level to diagnostic testing and reporting at central level; surveillance of grandparent and parent flocks and larger state owned and commercial flocks; and zoning approach were also discussed. Provincial SDAH were asked to gather information on currently populated farms by size, by type, by species currently present in each district. The information collected will be put into a database and will give baseline information for designing surveillance programmes. Strengthening of the Epidemiology Division through data management was recommended by FAO and was accepted by the workshop. The workshop reached decisions on all objectives of the workshop.

➤ **Recent Missions (March - April):**

**[Regional]**

- Dr. L. Gleeson (Australia) Australia Animal Health Laboratory, CSIRO, Epidemiology and emergency management. Special FAO consultant. Missions to Thailand, China, and Viet Nam. 07/02 – 03/04/04

- Dr. T. Damrongwatanapoki (Thailand) GIS Information Technologist. Mission to Cambodia, Viet Nam. Ongoing.

**[Lao PDR]**

- Dr. R. Webb (Australia) FAO consultant (Epidemiology and programme management) 13/02 – 02/04/04

- Dr. C. Benigno, FAO RAP (Bangkok) Animal Health Officer. 8 – 13/03/04

- Dr. C. Benigno, FAO RAP (Bangkok) Animal Health Officer. 6 - 10/04/04

**[China]**

- Dr. L. Sims (Australia) FAO consultant (Disease management and Avian Influenza) 29/02 - 20/03/04

- Dr. H. Wagner, FAO Regional Office (Bangkok) Senior Animal Production and Health Officer. 29/02 – 02/03/04

- Dr. J. Domenech, FAO (Rome) Chief, Animal Health Service. 01 – 02/03/04

**[Cambodia]**

- Dr. D. Geale (New Zealand) Programme Coordinator for Exotic Disease Response, MAF. FAO consultant (Epidemiology and emergency management) 21/2 – 12/03/04
- Dr. Y. Froehlich (France) FAO consultant (Project Technical Adviser) Ongoing.
- Dr. T. Rawdon (New Zealand) FAO consultant (Veterinary epidemiologist) To commence in the week of 12/04/04

**[Indonesia]**

- Dr. H. Westbury (Australia), FAO consultant (Veterinary epidemiologist) 16/02 – 10/03/04.
- Dr. L. Allen (USA) FAO consultant (Veterinary epidemiologist) Ongoing.

**[Viet Nam]**

- Dr. T. Forman (Australia) FAO consultant (Epidemiology and emergency management) 15/02 – 07/03/04
- Dr. P. Blanc (France) FAO consultant (Project analysis) 17/02 – 04/03/04
- Dr. G. Freeland (UK) Project analysis 28/02 – 04/04/04
- Dr. H. Benard (New Zealand) FAO consultant (Epidemiology and emergency management) Ongoing.

**[Pakistan]**

- Dr. J. Lambers (Netherlands) FAO consultant (Poultry diseases and epidemiology) 20/02 – 11/03/04

#### 4. Related issues

##### ➤ Lao PDR status of avian influenza control

The Department of Livestock and Fisheries through the National Animal Health Centre has commenced the first of three training courses on surveillance and the use of personal protective equipment (PPE). The first batch covered all field officers in the four provinces of Central Lao. The second batch will be held on 20-22 April 2004 in Champasak to cover the five provinces of Southern Lao and the third batch on 28-30 in Luang Namtha covering seven provinces of Northern Lao. The actual field surveillance will take place first week of May and would start in Northern Lao since there is no information in that part of the country since Lao reported the HPAI outbreaks. (A two stage random sampling will be used wherein 33 percent of districts in each province will be randomly selected and from the selected districts 20 percent of the villages will be sampled. A questionnaire has been prepared and translated for field officers to use as a guide. The training discusses also how to use the questionnaire when talking to farmers.)

Renovation of the diagnostic laboratory is being speeded up. The renovation is made possible through the FAO's Technical Cooperation Programme (TCP) project while the equipment and some supplies are to be provided by Japan International Cooperation Agency (JICA).

The last reported case was in 1 March 2004 in Dongbang farm in Saythani District, Vientiane Capital. The disease was stamped out. From that time on to 9 April 2004, no outbreaks have been reported.

#### 5. Resources available

##### Relevant articles/publications:

- China-ASEAN Special Meeting on HPAI Control. Beijing, 2 March 2004  
The full text of the Joint Press Statement "China-ASEAN Special Meeting on HPAI Control" is available on AIDENews issue 8 pages 4 - 5:  
<http://www.fao.org/docs/eims/upload/153869/AVIbull008.pdf>

- FAO/OIE/WHO Technical Consultation on the Control of Avian Influenza  
3 - 4 February 2004  
The full text of the Conclusions and recommendations is available on FAO website:  
[http://www.fao.org/newsroom/common/ecg/36647\\_en\\_experts.pdf](http://www.fao.org/newsroom/common/ecg/36647_en_experts.pdf)
- **Manual on the preparation of national animal disease emergency preparedness plans**  
<http://www.fao.org/docrep/004/x2096e/x2096e00.htm>
- The use of vaccination as an option for the control of Avian Influenza (I. Capua, S Marangon) – 71st OIE General Session (May 2003). Available at:  
[http://www.fao.org/docs/eims/upload/153564/A\\_71\\_SG\\_12\\_CS3E.pdf](http://www.fao.org/docs/eims/upload/153564/A_71_SG_12_CS3E.pdf)
- Information for shipping international diagnostic specimens to the International Reference Laboratories (see appendix 2 of AIDEnews issue 5 or 6, available at:  
<http://www.fao.org/ag/AGA/AGAH/EMPRES/index.asp>)
- FAO/EMPRES Manual on procedure for disease eradication by stamping out  
(Available at: <http://www.fao.org//DOCREP/004/Y0660E/Y0660E00.HTM>)
- FAO AIDE News (Vol. 1 - 11)  
(Available at: [http://www.fao.org/ag/AGA/AGAH/EMPRES/tadinfo/e\\_tadAVI.htm](http://www.fao.org/ag/AGA/AGAH/EMPRES/tadinfo/e_tadAVI.htm))
- FAO AIDE News maps  
(Available at: [http://www.fao.org/ag/AGA/AGAH/EMPRES/maps/e\\_maps.htm](http://www.fao.org/ag/AGA/AGAH/EMPRES/maps/e_maps.htm))

### Relevant Web sites:

FAO Avian Influenza fact sheet:

<http://www.fao.org/ag/againfo/subjects/en/health/diseases-cards/avian.html>

OIE Update on Avian Influenza in Animals in Asia web site:

[http://www.oie.int/download/AVIAN%20INFLUENZA/A\\_AI-Asia.htm](http://www.oie.int/download/AVIAN%20INFLUENZA/A_AI-Asia.htm)

OIE Technical Disease Cards:

[http://www.oie.int/eng/maladies/fiches/a\\_A150.htm](http://www.oie.int/eng/maladies/fiches/a_A150.htm)

WHO Avian influenza web site:

[http://www.who.int/csr/disease/avian\\_influenza/en/](http://www.who.int/csr/disease/avian_influenza/en/)

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**Annex****- Donor Assistance -**

Many institutions and governments have committed emergency assistance funds to help control HPAI outbreaks. FAO AIDE news is collecting information on donor assistance (financial, in kind or technical assistance) through FAO representations in Asian countries. FAO recognises that the tables below may be incomplete. Nevertheless, we wish to thank all donors and governments for their cooperation in providing additional complementary information.

**Recipient countries:****Cambodia**

<b>Donors</b>	<b>Amount (US\$)</b>	<b>Description</b>
FAO TCP	\$390,000	TCP/CMB/3002 Emergency assistance for the control of avian influenza
Asian Development Bank	\$91,940	Non-Trust Fund, under general coordination of FAO (for training, equipment and public awareness activities)
Australia	\$50,000	AusAID through FAO Trust Fund
China	\$50,000	Direct contribution to government (no details given)
France	\$57,600	French Cooperation through FAO Trust Fund
Germany	\$50,000	GTZ through FAO Trust Fund
Japan	\$56,000	Non-Trust Fund, grant assistance for grass-roots human security project for antiviral medicines & equipment
	\$402,176	Through OSRO/RAS/401/JPN "The Japan/FAO Joint Emergency Programme for the Control of Avian Influenza in Cambodia, Indonesia, Lao PDR, Viet Nam" (total \$1,610,083)
WHO	\$3,000	In the form of PPE supplies and PPE and lab training for DAHPs investigating teams and Human Flu Vaccine purchase. Combined PPE training by WHO human health and lab consultants and Ministry of Health officials.

(As of 03/04/04. source: FAO representation in Cambodia)

**China**

<b>Donor</b>	<b>Amount (US\$)</b>	<b>Description</b>
FAO TCP	\$390,000	TCP/CPR/3004 Emergency assistance for the control of avian influenza

(As of 14/04/04. source: FAO Emergency Operations Service)

**Indonesia**

<b>Donors</b>	<b>Amount (US\$)</b>	<b>Description</b>
FAO TCP	\$390,000	TCP/INS/3001 Emergency assistance for the control of avian influenza
Australia	\$250,000	Human health protection through WHO
China	\$100,000	Vaccines and training
Germany	\$61,000	OSRO/INS/402/GER through FAO Trust Fund for purchase of anti sera and training

## Indonesia (continued)

Donors	Amount (US\$)	Description
Japan	\$78,906	From Grass Roots Aid Fund for protective gear through the Ministry of Agriculture
	\$113,000	Public awareness campaign activities
	\$10,000	From JICA/Indonesia for training workshops
	\$402,117	Through OSRO/RAS/401/JPN "The Japan/FAO Joint Emergency Programme for the Control of Avian Influenza in Cambodia, Indonesia, Lao PDR, Viet Nam" (total \$1,610,083)
Netherlands	N/A	May provide veterinary experts in support of FAO operations.
USA	N/A	Support through the provision of laboratory analysis available in Atlanta

(As of 31/03/04. source: FAO representation in Indonesia)

## Lao PDR

Donors	Amount (US\$)	Description
FAO TCP	\$390,000	TCP/LAO/3001 Emergency assistance for the control of avian influenza
Asian Development Bank	\$50,000	Direct procurement of Personnel, Protective clothing and equipment
China	\$50,000	Re-establishing poultry breeding farms
France	\$53,745	For surveillance activities
Japan	\$404,040	Through OSRO/RAS/401/JPN "The Japan/FAO Joint Emergency Programme for the Control of Avian Influenza in Cambodia, Indonesia, Lao PDR, Viet Nam" (total \$1,610,083)
	\$50,000	Through JICA
USA	\$250,000	Direct contribution to WHO Regional Office (Manila)
WHO		Support for one veterinarian for a 2 month mission

(As of 14/04/04. source: FAO Emergency Operations Service, JICA)

## Pakistan

Donors	Amount (US\$)	Description
FAO TCP	\$390,000	TCP/PAK/3002 Emergency assistance for the control of avian influenza
China	\$50,000	(No details given)

(As of 11/03/04. source: FAO representation in Pakistan)

## Thailand

Donor	Amount (US\$)	Description
FAO		Technical advice of experts
Japan		Sent two experts from National Institute of Animal Health to assist AI typing/sub-typing. Also provided standard antigen and antibodies for typing.

(As of 08/03/04. source: FAO representation in Thailand)

**Viet Nam**

<b>Donors</b>	<b>Amount (US\$)</b>	<b>Description</b>
FAO TCP	\$390,000	TCP/VIE/3003 Emergency assistance for the control of avian influenza
Asian Development Bank	\$ 50,000	Protective gear
EU	\$ 968,000	Protective clothing, lab equipment
Germany	\$ 15,000	Protective gear
Japan	\$200,000	Tamiflu (anti-viral drug)
	\$401,750	Through OSRO/RAS/401/JPN "The Japan/FAO Joint Emergency Programme for the Control of Avian Influenza in Cambodia, Indonesia, Lao PDR, Viet Nam" (total \$1,610,083)
WHO		unspecified
World Bank	\$170,000	Formulation mission for Avian Influenza Emergency Recovery Project

(As of 14/04/04. source: FAO representation in Viet Nam, TCEO)

**Regional**

<b>Donor</b>	<b>Amount (US\$)</b>	<b>Description</b>
FAO TCP	\$400,000	TCP/RAS/3004 Emergency regional coordination assistance for control of avian influenza in southeast Asia
FAO TCP	\$400,000	TCP/RAS/3006 (E) Diagnostic Laboratory and Surveillance Network Coordination for Control and Prevention of Avian Influenza in Southeast Asia

(As of 15/04/04. source: FAO Emergency Operations Service)