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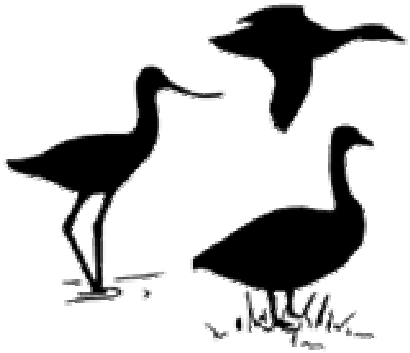
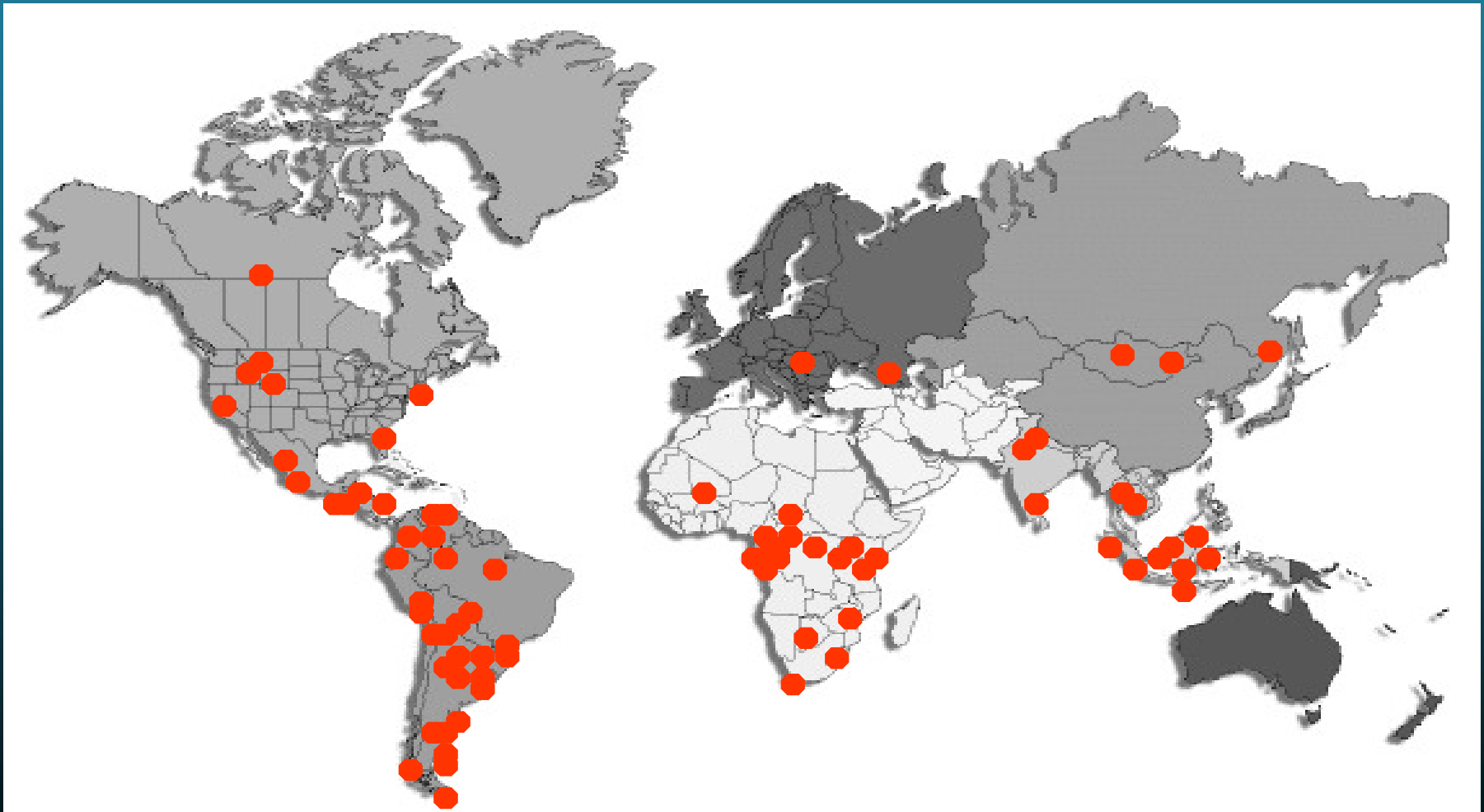


Global Avian Influenza Network for Surveillance (GAINS) for Wild Birds

Health Programs



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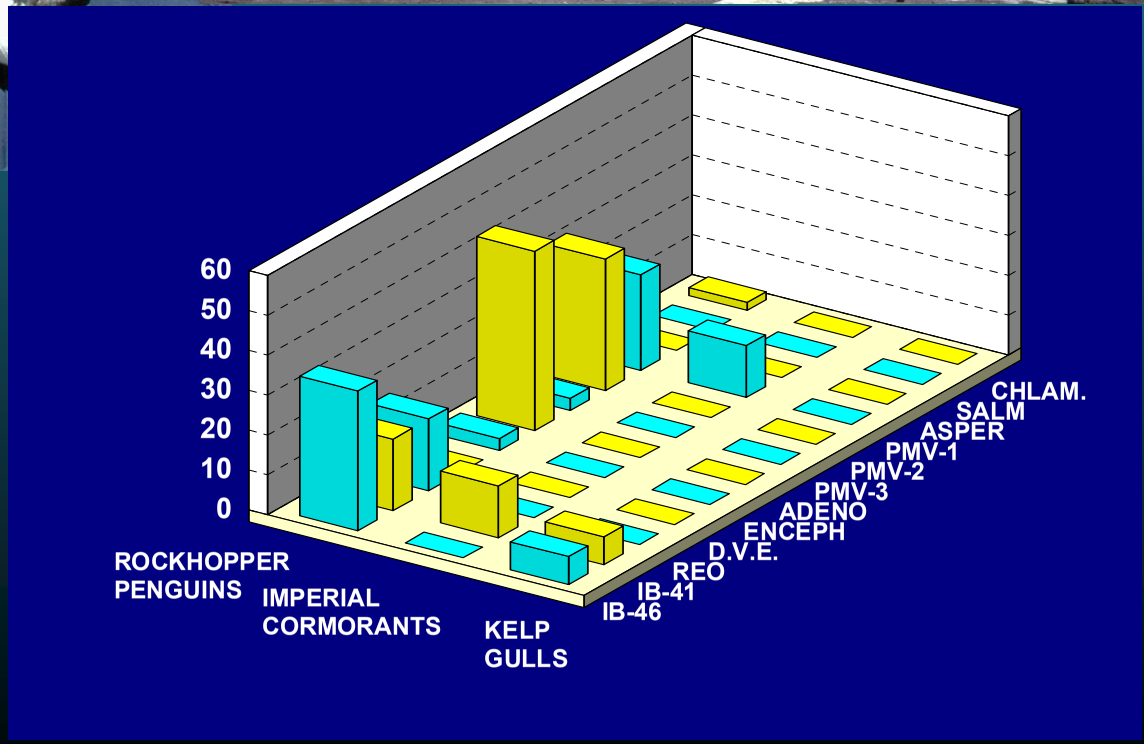
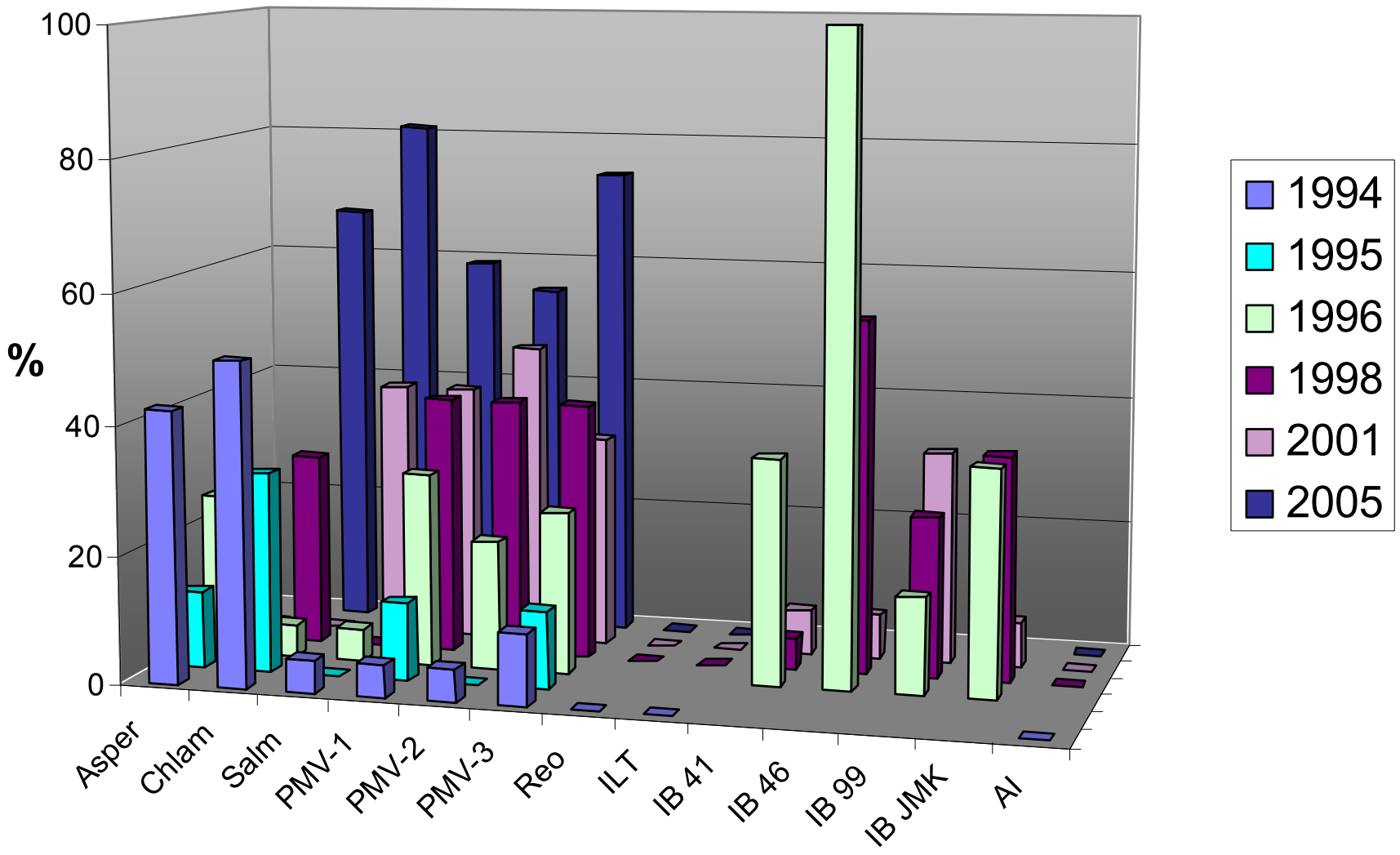
Assessment & Monitoring

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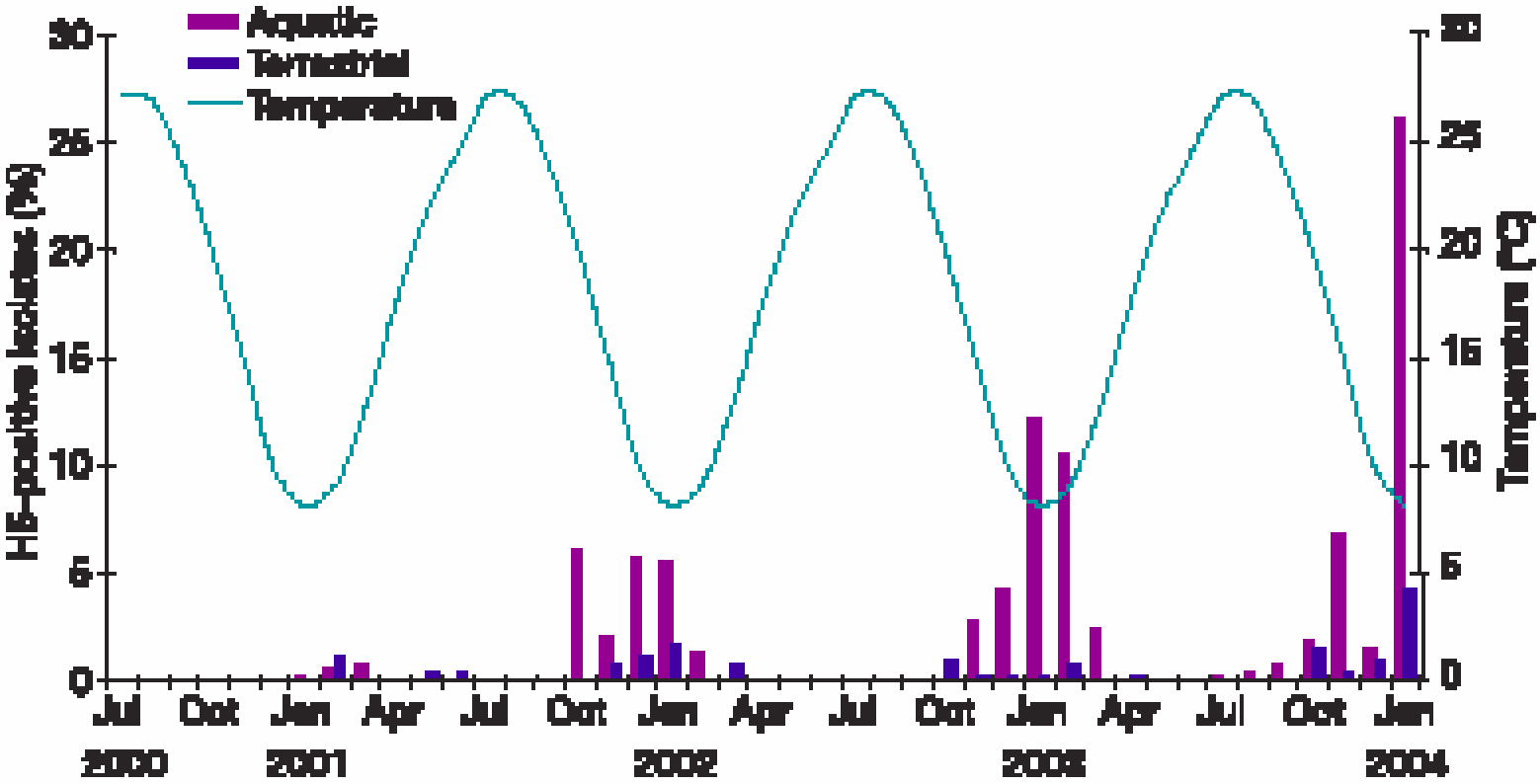
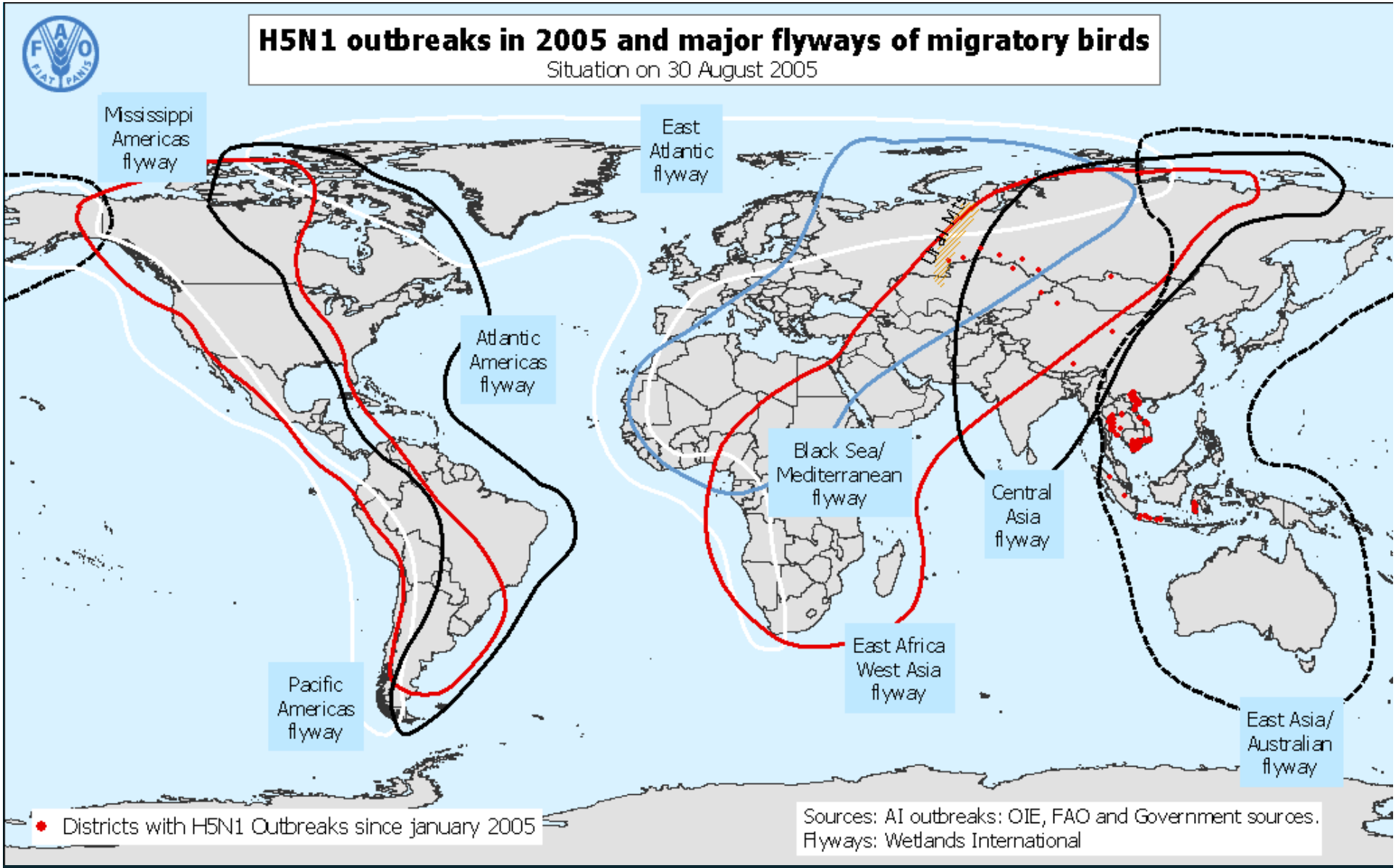
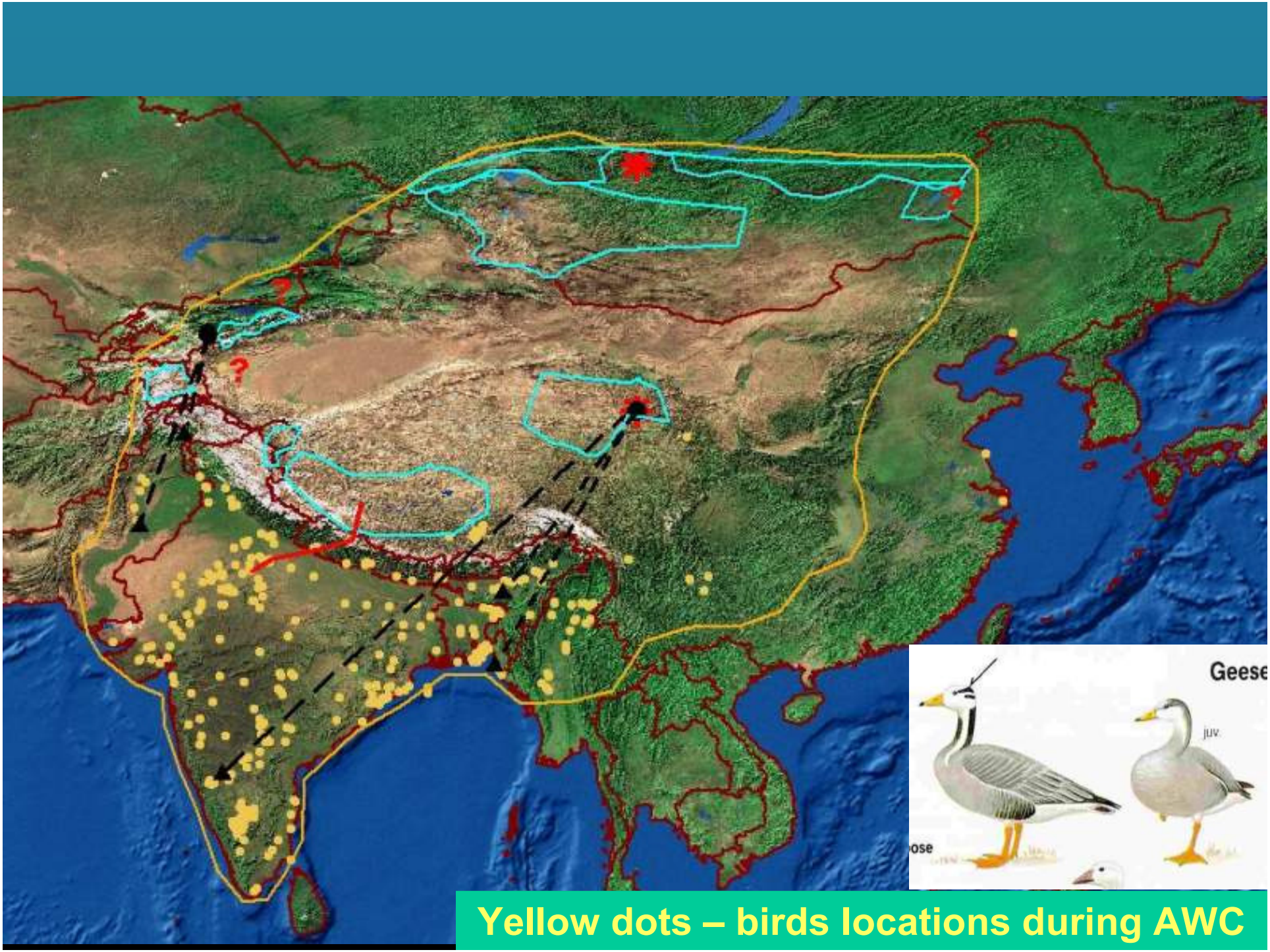


Figure 2 Seasonality of the isolation of avian H5N1 viruses from domestic poultry in mainland China during July 2000 to January 2004 (see Table 1). The mean monthly temperature in southern China (approximated from the monthly average temperatures of the cities Changsha, Kunming and Xiamen) is shown for reference.

SCIENCE, 2004


H5N1 outbreaks in 2005 and major flyways of migratory birds
Situation on 30 August 2005
Mississippi Americas flyway
East Atlantic flyway
Atlantic Americas flyway
Black Sea/ Mediterranean flyway
Central Asia flyway
East Africa West Asia flyway
Pacific Americas flyway
East Asia/ Australian flyway
Ural Mts
Districts with H5N1 Outbreaks since january 2005
Sources: AI outbreaks: OIE, FAO and Government sources.
Flyways: Wetlands International



Yellow dots – birds locations during AWC

Mongolia – Aug 2005
July – Sept 2006

W. B. Karesh / WCS

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Erhkil Lake

N 49º 56.466 min, E 99º 57.952 min http://www.terraserver.com/imagery/image_gx.asp?cpx=97.51641667&cpy=48.5899166

7-9 Aug 05

Wildlife Conservation Society, Mongolian Central Veterinary Laboratory, Center of Infectious Diseases with Natural Foci, Mongolian Academy of Sciences and Mongolian Institute of Veterinary Medicine.

		Counts					
Scientific name	**Recorded?**	**E. Lake**	**N. Lake 1**	**N. Lake 2**	**W. Lake**	**Total**	**Comments**
Podiceps nigricollis	✓	44	1	33	17	95	
Podiceps auritus	✓	1		1		2	
Crus virgo	✓			3	6	55	Large flock of 55 seen E Lake 7 Aug 05
Aquila sp.	✓					2	Two over E Lake 9 Aug 05
Milvus lineatus	✓	1				1	
Falco subuteo	✓					1	
Falco cherrug	✓			1		1	
Cygnus cygnus	✓	23			25	48	
Anser indicus	✓	3			162	165	
Anser cygnoidea	✓				7	7	
Ardea cinerea	✓					2	
Platalea leucorodia	✓					35	
Tadorna tadorna	✓	1			3	4	
Tadorna ferruginea	✓	144	10	11	2778	2943	
Bucephala clangula	✓	512	317	782	201	1812	
Aythya ferina	✓	95	3	3	303	404	
Aythya fuligula	✓	52				52	
Anas platyrhynchos	✓				40	40	
Anas crecca	✓				3	3	
Anas acuta	✓				5	5	

W. B. Karesh / WCS

W. B. Karesh / WCS

China → X

Mongolia → USDA/ARS/SEPRL → CDC

Wild whooper swan isolate selected by WHO as Human pandemic influenza vaccine candidate

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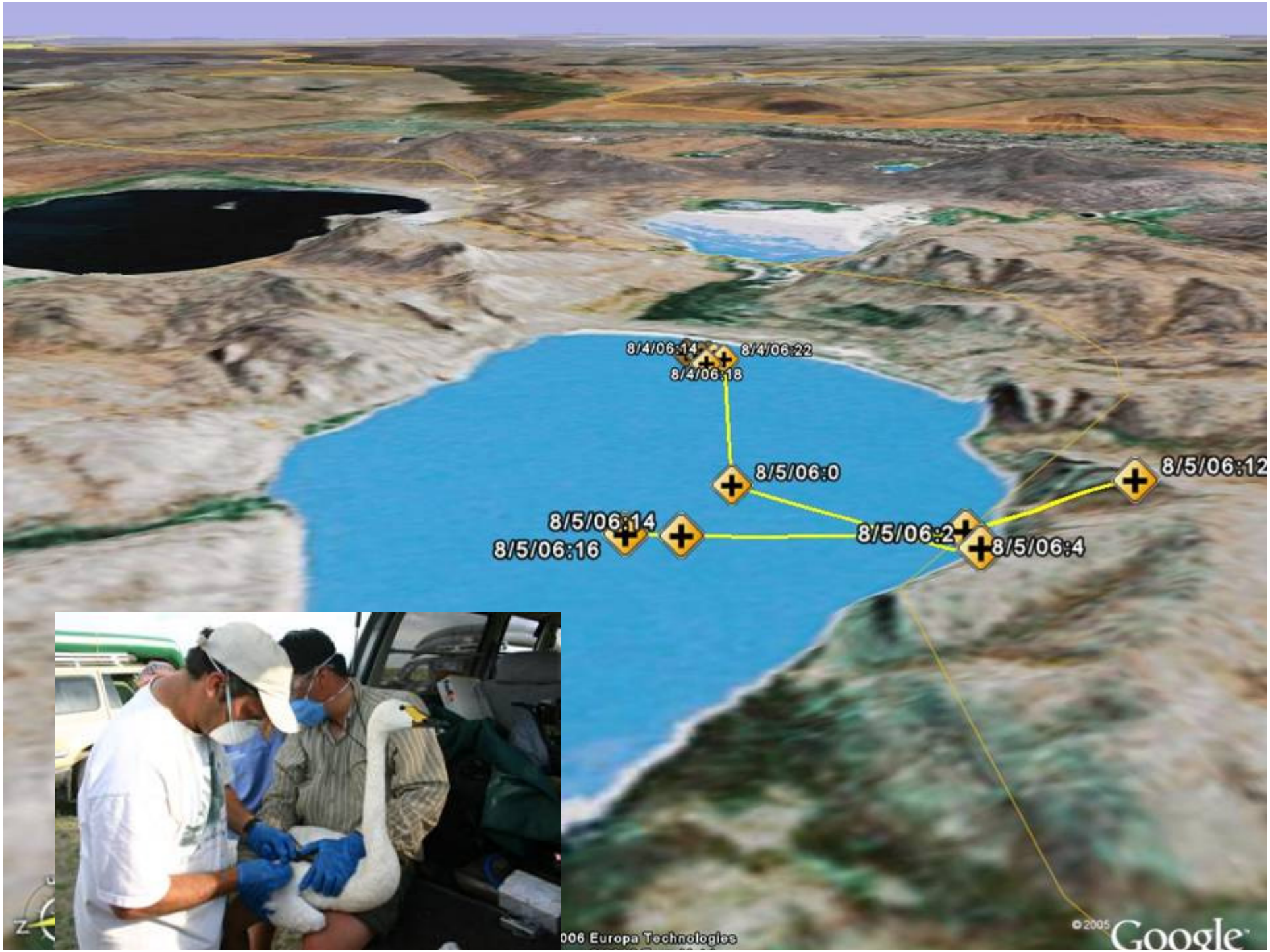
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8/5/06:4
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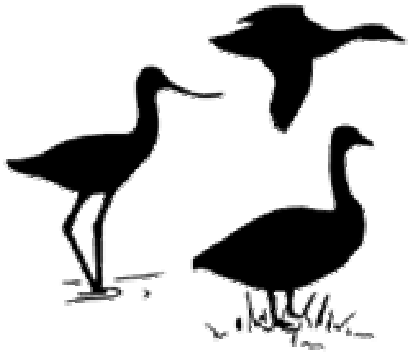
- Mongolian National Academy of Sciences
- Institute of Veterinary Medicine
- State Central Veterinary Laboratory
- Ministry of Food and Agriculture Veterinary Department
- Ministry of Health



Global Avian Influenza Network for Surveillance (GAINS) for Wild Birds

Collaborators & Supporters - Microsoft Internet Explorer

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Location: Collaborators & Supporters

Wild Bird Global Avian Influenza Network for Surveillance (GAINS)

USAID FROM THE AMERICAN PEOPLE

WILDLIFE CONSERVATION SOCIETY

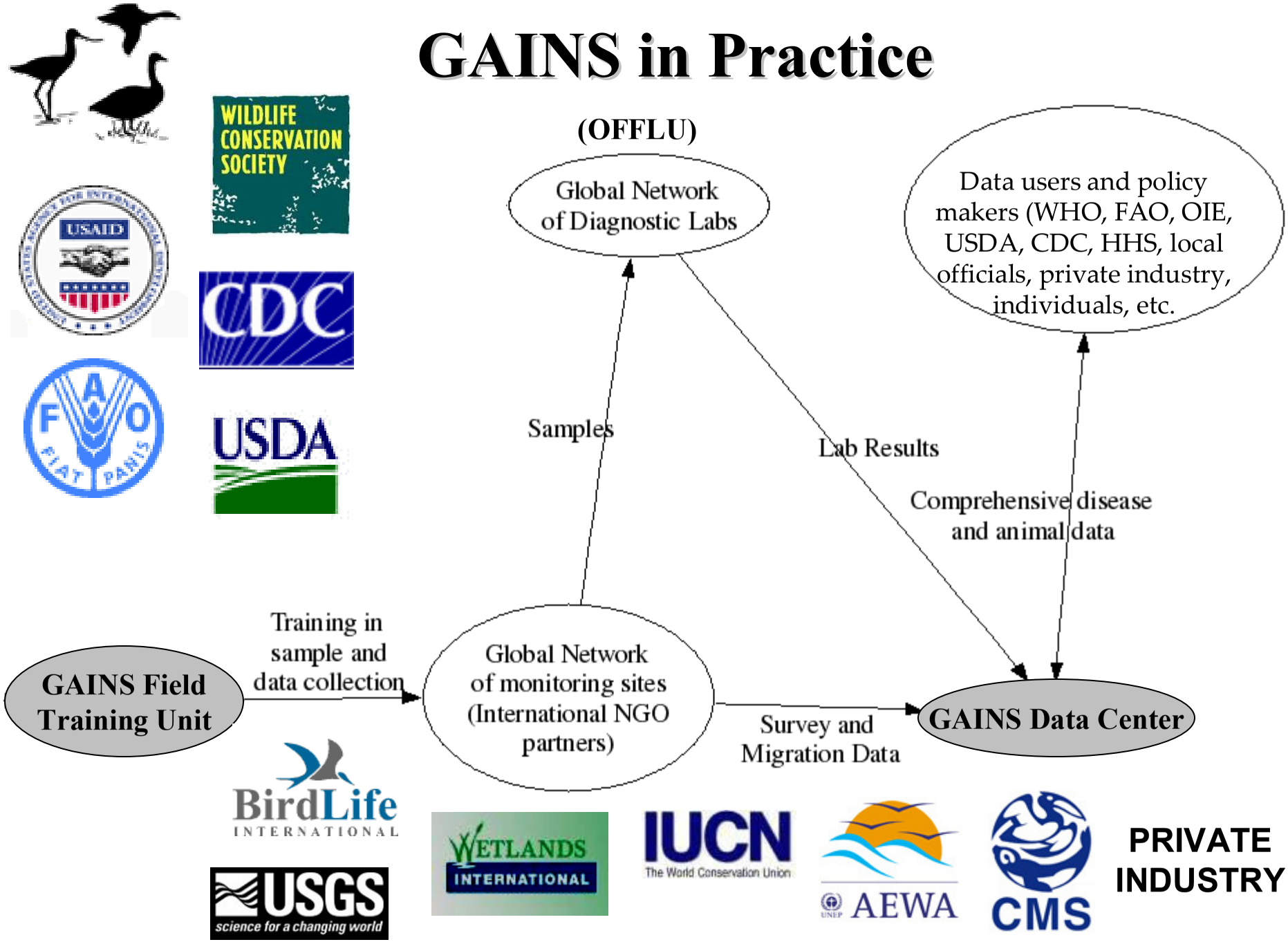
CDC Department of Health and Human Services Centers for Disease Control and Prevention

USDA United States Department Of Agriculture Agricultural Research Service

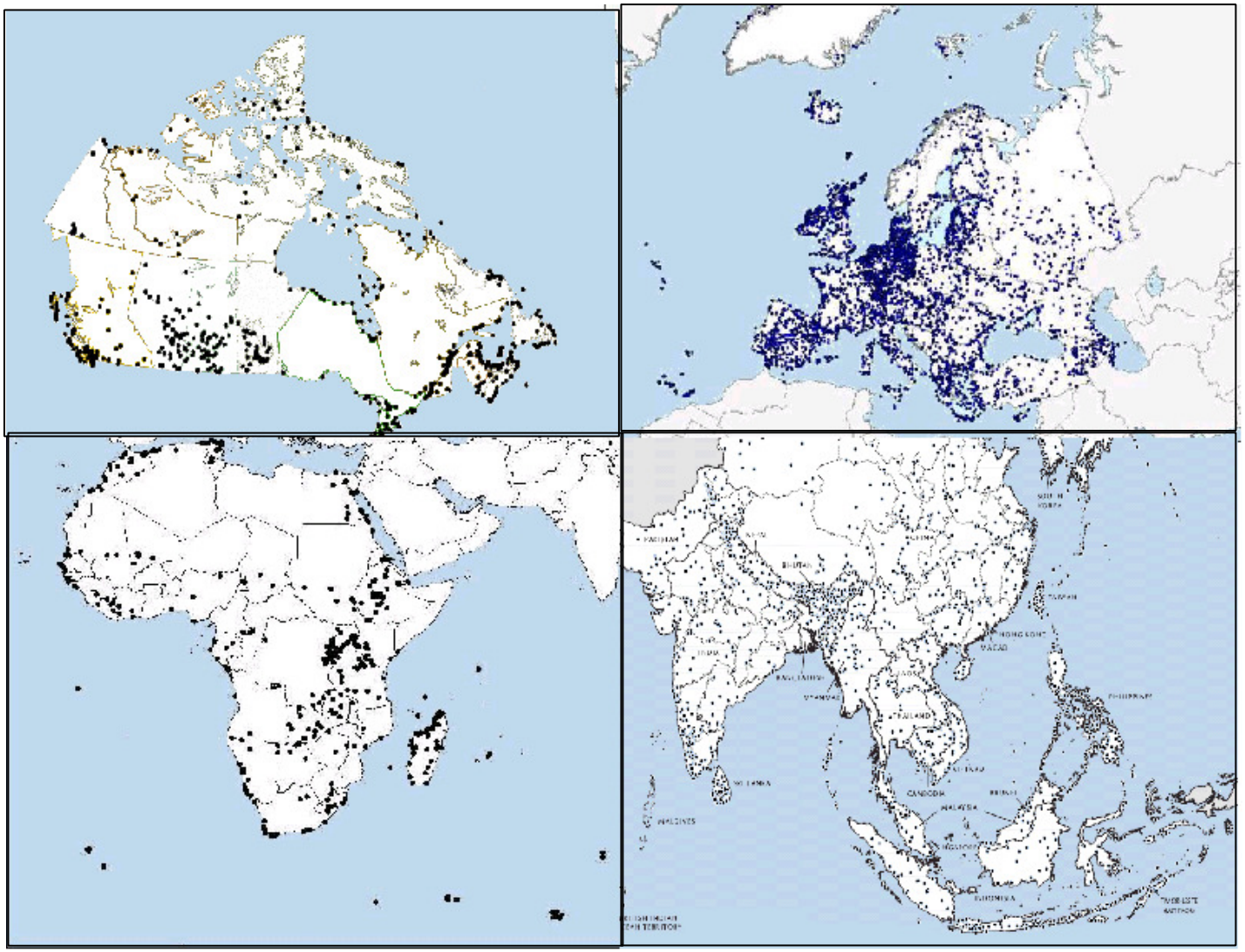
FAO FIAT PANIS

Start 9:32 AM

GAINS in Practice



Important Bird Areas



W.B. Karesh, 2005

W. B. Karesh / WCS

E. Bennett / WCS

Global Avian Influenza Network for Surveillance

- Home
- Europe
- Azerbaijan
- Russian Federation
- Turkey
- Other Countries

Location: Locations & Mapping » Europe » Turkey

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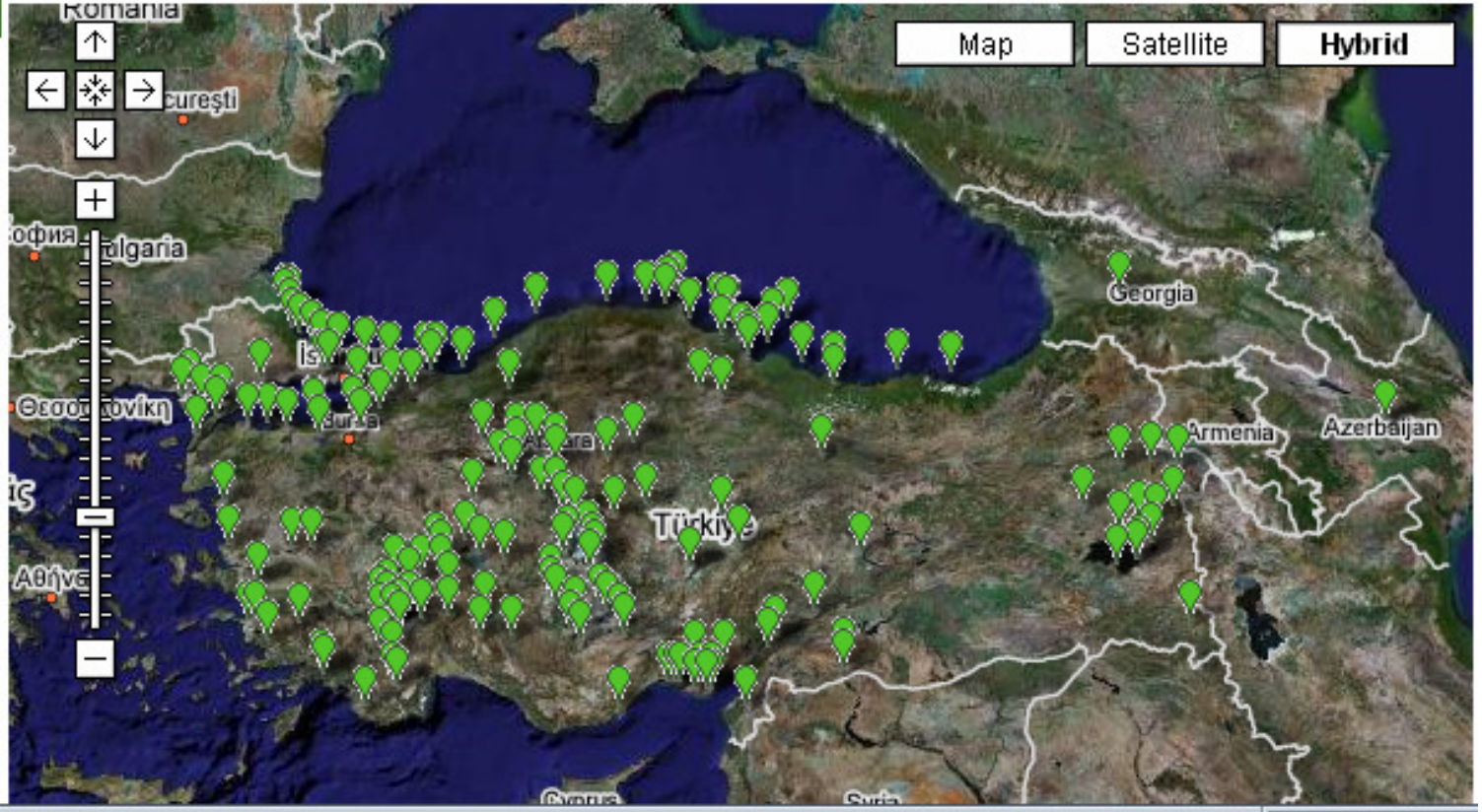
Wild Bird Global Avian Influenza Network for Surveillance (GAINS)

During the early stages of GAINS, field activities will be focused where existing relationships with organizations and government agencies allow for implementation. Additional organizations and agencies are welcome to share information on current or previous activities and results related to the monitoring of wild birds. Please register with this site by clicking here if you are interested in contributing to the GAINS initiative.



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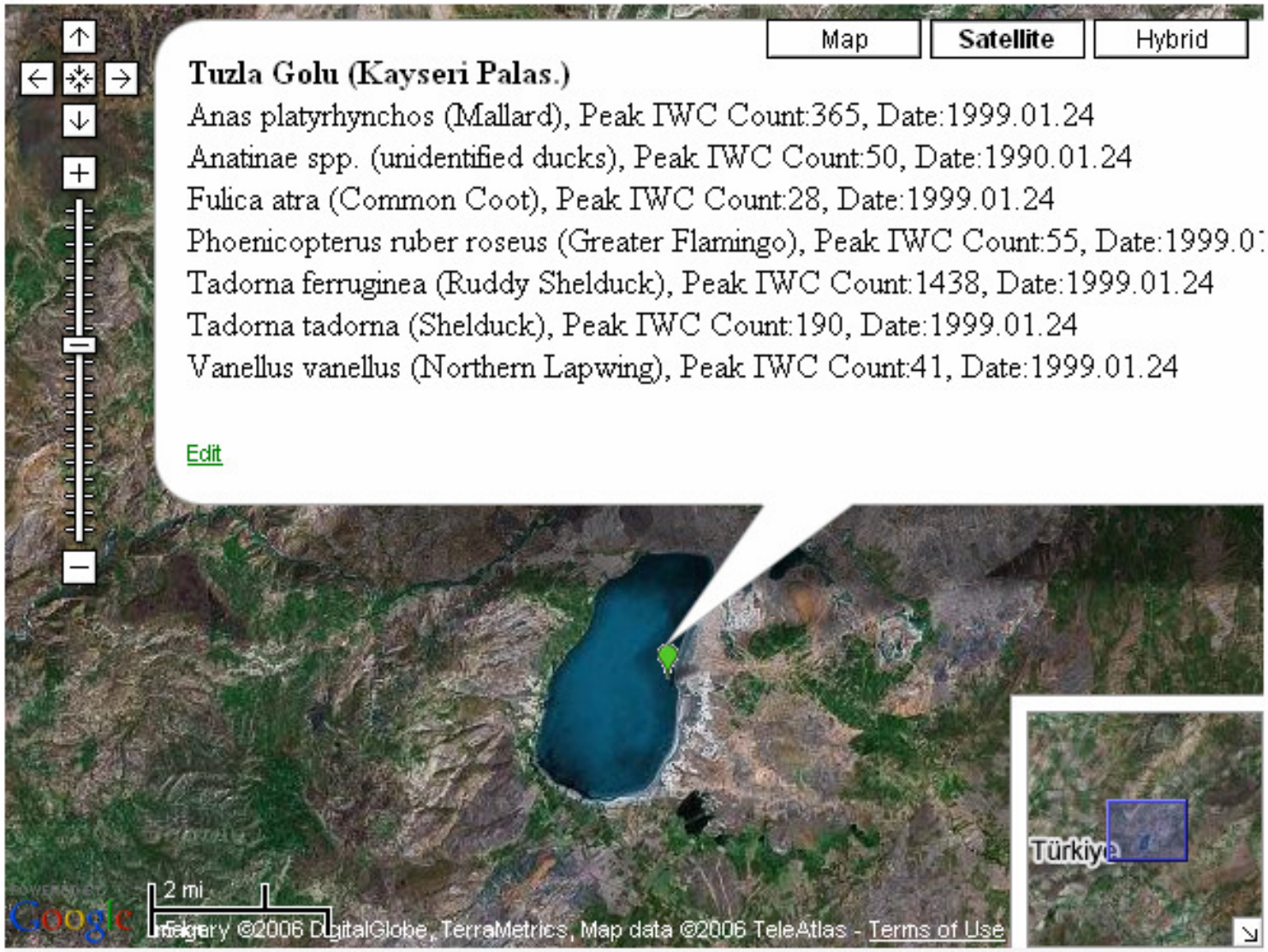

Lon: **35.8300018310547** Lat: **39.0200004577637**

The GAINS team is excited to release prototype maps like the one above using Google technology. We are in the process of developing more advanced mapping components that will be released at the start of 2007. If you have any feedback or

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- Asia
- Afghanistan
- Azerbaijan
- Cambodia
- India
- Indonesia
- Kazakhstan
- Mongolia
- Viet Nam
- Other Countries

Location: Locations & Mapping » Asia » Mongolia

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Wild Bird Global Avian Influenza Network for Surveillance (GAINS)

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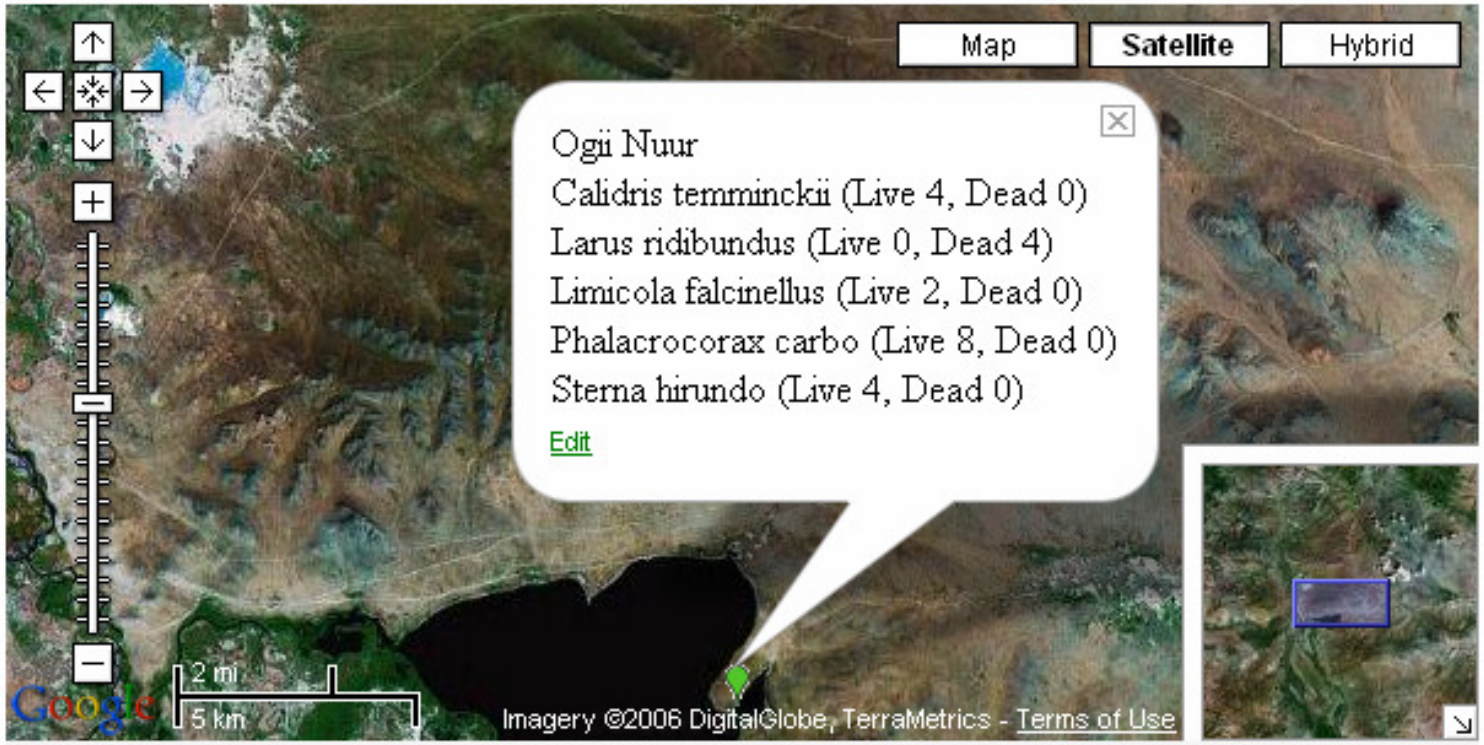

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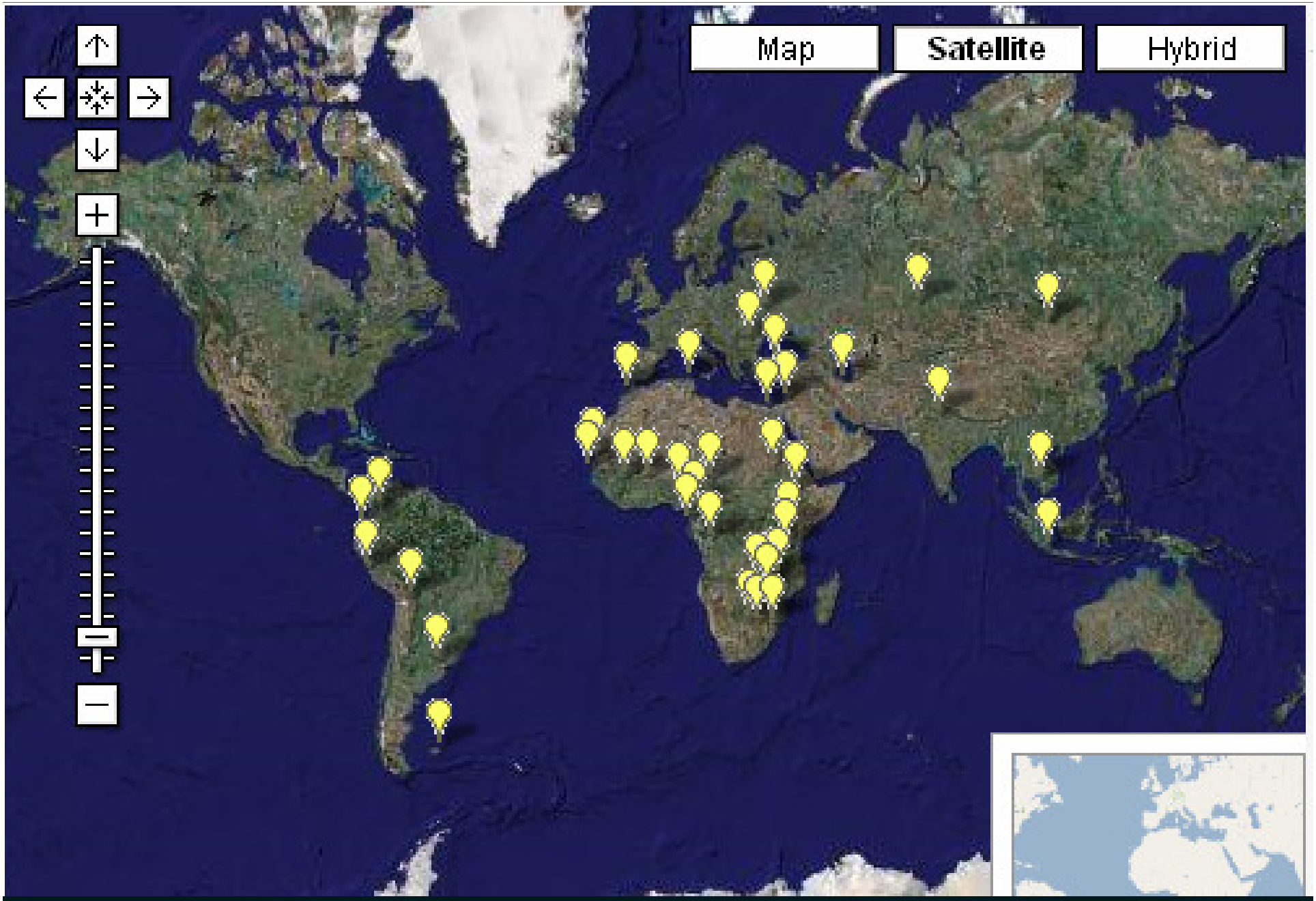
Map
Satellite
Hybrid

National HPAI Early Detection Data System

HEDDS

Username
wkaresh

National Avian Influenza Surveillance Information

November 29, 2006	Samples Tested and Reported into HEDDS *	46,250

Surveillance News:

RSS Subscribe to HEDDS Updates

Current LPAI H5N1 Results Table

- Nov 29, 2006: The LPAI H5N1 results table has been updated to include confirmatory results on samples tested from Stanley, South Dakota.
- Nov 29, 2006: 10,192 new samples and tests have been added to HEDDS since November 22, 2006.
- Nov 22, 2006: Due to the Thanksgiving holiday, the HEDDS update schedule will be slightly modified. HEDDS will be updated on November 22 and 29, and then return to the regular Friday/Monday update schedule on December 8.

Additional information on avian influenza surveillance can be found at:
USDA Avian Influenza Homepage
DOI News

Click on the tabs above for more detailed news and sampling information

* * Highly pathogenic H5N1 avian influenza virus has NOT been detected in these samples * *

Samples Tested by State in the 2006 Sampling Season *

Done

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