

21. Description of affected population(s)

On 02/02/06 in our NAI in Place Passive Surveillance Plan on wild Birds in Gilan Province there was a report describing a few mortality among Swan population situated in two sites (SELKEH & WSPAND) of Anzali wetland, immediately all equipped activities were implemented according to OIE guidelines and recommendations, an epidemiological investigation were done as a qualitative risk assessment in the area which dead and sick swan were found, Protection and surveillance zones were already established. Swan samples (tissue & Sera) already were collected and sent to OIE/FAO and National Reference Laboratory for Avian Influenza and Newcastle Disease, Istituto Zooprofilattico Sperimentale delle Venezie, Italy. All of the poultry holding (native, industrial) around the wetland were already identified, appropriate on-farm biosecurity measures have been implemented, control of movement of products from poultry is under control, check point station are in place for control of illegal movement, disease awareness among owners is already increased, assembly of live birds at markets and other gathering is prohibited and under control, hunting of birds have been prohibited in the country since six months ago and if reinforcement, transport, dispatch and movement of risk material is prohibited. According to our National Contingency Plan on NAI all of the Native birds in 6 villages as epidemiological unit at risk were destroyed and compensated by IVO in a Two kilometer Protection Zone around each outbreak site, 8th statement were distributed by IVO to update the media on the current bird flu.

22. Laboratory(-ies) where diagnosis was made

All of the tests were conducted OIE/FAO and National Reference Laboratory for Avian Influenza and Newcastle Disease
Istituto Zooprofilattico Sperimentale delle Venezie
Viale dell'Università 10
35020 Legnaro (PD) Italy

23. Species examined

Swan (Cygnus Cygnus)
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24. Diagnostic tests used

Diagnostic tests used	Date	Results
PCR for H5	13/02/2006	Positive
PCR for H5	13/02/2006	Positive
PCR for H5	13/02/2006	Positive
PCR for H5	13/02/2006	Positive
PCR for H5	13/02/2006	Positive
H5: 1 positive (HI titre 1:64) + 1 titrated 1:8	13/02/2006	Positive
H9: 1 positive (HI titre 1:64)	13/02/2006	Positive

25. Source of outbreak(s) or origin of infection (tick as appropriate)

Unknown or inconclusive	<input checked="" type="checkbox"/>
Introduction of new animals/animal products	<input type="checkbox"/>
Legal movement of animals	<input type="checkbox"/>
Illegal movement of animals	<input type="checkbox"/>
Animals in transit	<input type="checkbox"/>
Contact with infected animal(s) at grazing/watering	<input type="checkbox"/>
Swill feeding	<input type="checkbox"/>
Fomites (humans, vehicles, feed, etc.)	<input type="checkbox"/>
Airborne spread	<input type="checkbox"/>
Vectors	<input type="checkbox"/>
Contact with wild animals	<input type="checkbox"/>
Other:	<input type="checkbox"/>

26. Control measures (tick as appropriate)

Control measures (tick as appropriate)	Under-taken	To be under-taken
Control of arthropods	<input type="checkbox"/>	<input type="checkbox"/>
Control of wildlife reservoirs	<input type="checkbox"/>	<input type="checkbox"/>
Stamping out	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Partial stamping out	<input type="checkbox"/>	<input type="checkbox"/>
Quarantine	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Movement control inside the country	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Zoning	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vaccination (give details below in section 27)	<input type="checkbox"/>	<input type="checkbox"/>
Disinfection of infected premises/establishment(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dipping/spraying	<input type="checkbox"/>	<input type="checkbox"/>

27. Vaccination in response to the outbreak(s)

First administrative division	Species	Total number of vaccinated animals	Details of the vaccine (live/inactivated; mono- or polyvalent, etc.)

28. Treatment of affected animals

Yes No

If "yes", describe nature of treatment

29. Vaccination prohibited

Yes No

30. Other details/comments

According to our National Plan on NSAI all of the Native birds within a radius of 2 Km around the above mentioned wetland (6 villages) which were already destroyed were sampled, sera were conducted by HI (H5, H9 and ND) all the lab results were Negative and tissues were conducted by RT-PCR with negative Results. One of the most significant changes in the ecosystem of Anzali Wetland is that the population of swan have been increased from 8 birds in last year to 3000 birds in this year.

31. Final report

Yes No

If "yes" =>

Event ended

Yes No

If "no" =>

Continuing notification using the six-monthly report Yes