

## Follow-up report No.10

Report reference: , Reference OIE : 25198, Report Date : 10/11/2017, Country : Italy

### Report Summary

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		<b>Date submitted to OIE</b>	10/11/2017

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	10/11/2017
<b>Disease</b>	Highly pathogenic influenza A viruses (infection with) (non-poultry including wild birds)	<b>Date of start of the event</b>	03/01/2017
<b>Causal Agent</b>	Highly pathogenic influenza A virus	<b>Date of confirmation of the event</b>	05/01/2017
<b>Serotype(s)</b>	H5N8	<b>Diagnosis</b>	Laboratory (advanced), Necropsy
<b>Reason</b>	New strain of a listed disease	<b>Clinical signs</b>	Yes
<b>Country or zone</b>	a zone or compartment		
<b>Number of reported outbreaks</b>	submitted= 12, Draft= 0		

### Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
VENETO-other report - submitted	-	ROVIGO		Natural park	Porto tolle	44.967599	12.364217	03/01/2017	23/02/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Common Shelduck:Anatidae(Tadorna tadorna)	Animals	...	1	1	0	0			
Affected Population	Dated 23 February 2017 a positive case for highly pathogenic influenza A virus subtype H5N8 was detected on a duck (Tadorna tadorna) found close to the mouth of the river Po. The animal was found still alive but died on 26 December 2016 at the Wildlife Rescue Centre (CRFS) in the province of Rovigo. The carcass was stored in a freezer at CRFS until 20 February 2017, date on which it was delivered to the Clinical Diagnostic Laboratory. Tests carried out on 18 other birds were negative after the investigation of the Experimental Zooprophyllactic Institute (IZS), Venezia.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
FRIULI-VENEZIA GIULIA-other report - submitted	-	GORIZIA		Natural park	Grado	45.7	13.44	03/01/2017	21/03/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Eurasian Wigeon:Anatidae(Anas penelope)	Animals	...	1	1	0	0			
Affected Population	The positivity regards a wild bird found dead in proximity of a natural reserve. Diagnostic tests have been carried out and the result was serotype H5N8.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
FRIULI-VENEZIA GIULIA-other report - submitted	-	UDINE		Natural park	Aquileia	45.736762	13.345811	19/01/2017	24/03/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Whooper Swan:Anatidae(Cygnus cygnus)	Animals	...	1	1	0	0			
Affected Population									

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
PIEMONTE-other report - submitted	-	TORINO		Natural park	Settimo Torinese	45.133141	7.751683	27/04/2017	29/04/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Whooper Swan:Anatidae(Cygnus cygnus)	Animals	...	1	1	0	0			
Affected Population	The positivity regards a swan found dead near a natural oasis. A diagnostic test was carried out and the result was serotype H5N8.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
LOMBARDIA-other report - submitted	-	MANTOVA		Natural park	Goito	45.252414	10.639105	30/05/2017	07/06/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Grey Heron:Ardeidae(Ardea cinerea)	Animals	...	1	1	0	0			
Affected Population	The positivity for influenza A subtype H5N8 regards a Ardea cinerea found dying in a watercourse near the H5N8 HPAI outbreak in fattening turkeys in the municipality of Goito, province of Mantova.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
LOMBARDIA-other report - submitted	-	PAVIA		Other	Frascarolo	45.045236	8.665277	01/08/2017	31/08/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Mallard:Anatidae(Anas platyrhynchos)	Animals	...	10	10	0	0			
Affected Population	The positivity concerns wild germs for highly pathogenic H5N8-type influenza A virus (HPAI), in ducks found dead at a fishing pond.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
LOMBARDIA-other report - submitted	-	BERGAMO		Other	Mozzanica	45.478301	9.690199	25/08/2017	13/10/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			
Affected Population	The positivity concerns a wild swan found dead in a pond. Diagnostic tests were performed and the result was the H5N8 serotype.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
LOMBARDIA-other report - submitted	-	COMO		Other	Como	45.81241	9.078999	01/09/2017	02/10/2017
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			
Affected Population	Positivity concerns a wild swan (Cygnus olor) found dead on the long lake Como (CO).								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
PIEMONTE-other report - submitted	-	VERBANIO-CUSIO-OS SOLA		Other	Baveno	45.931214	8.481789	10/10/2017	
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			

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Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
Affected Population	Positivity concerns a wild swan (Cygnus olor) found dead. Diagnostic tests were performed and the result was the H5N8 serotype.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
PIEMONTE-other report - submitted	-	VERBANIO-CUSIO-OS SOLA		Other	Stresa	45.88077	8.551269	10/10/2017	
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			
Affected Population	Positivity concerns a wild swan (Cygnus olor) found dead. Diagnostic tests were performed and the result was the H5N8 serotype.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EMILIA-ROMAGNA-(this report - submitted)	-	FERRARA		Farm	Codigoro	44.841417	12.076442	23/10/2017	09/11/2017
Rock Pigeon (Rock Dove):Columbidae(Columba livia)	Animals	...	1	1	0	0			
Common Kestrel:Falconidae(Falco tinnunculus)	Animals	...	1	1	0	0			
Affected Population	Positivity concerns a columbus (Columba livia) and a kestrel (Falco tinnunculus) positive to HPAI H5N8 viruses, found dead at a breeding farm in Ferrara already with an outbreak. Animals were safely disposed of.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered			
EMILIA-ROMAGNA-(this report - submitted)	-	FERRARA		Natural park	Lagosanto	44.763738	12.139352	27/10/2017	09/11/2017
Greylag Goose:Anatidae(Anser anser)	Animals	...	1	1	0	0			
Affected Population	Positivity concerns a wild goose found dead, positive to HPAI H5N8 virus. The animal has been safely disposed of.								

### Outbreak summary: Total outbreaks = 12 (Submitted)

Species	Susceptible	Cases	Deaths	Killed and disposed of	Slaughtered
Common Shelduck		1	1	0	0
Eurasian Wigeon		1	1	0	0
Whooper Swan		2	2	0	0
Grey Heron		1	1	0	0
Mallard		10	10	0	0
Mute Swan		4	4	0	0
Rock Pigeon (Rock Dove)		1	1	0	0
Common Kestrel		1	1	0	0
Greylag Goose		1	1	0	0

### Epidemiology

#### Epidemiological comments

#### Source of the outbreak(s) or origin of infection

- Contact with wild species

#### Measures applied

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<ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• screening</li> <li>• official disposal of carcasses, by-products and waste</li> <li>• control of wildlife reservoirs</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
<b>Applied</b>	<b>To be applied</b>
<ul style="list-style-type: none"> <li>• movement control inside the country</li> <li>• screening</li> <li>• official disposal of carcasses, by-products and waste</li> <li>• control of wildlife reservoirs</li> </ul>	<ul style="list-style-type: none"> <li>• no planned control measures</li> </ul>
<b>Animals treated</b>	<b>Vaccination Prohibited</b>
No	Yes

#### Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	Experimental Zooprophyllactic Institute (IZS), Venezia - Padova	Common Kestrel	polymerase chain reaction (PCR)	07/11/2017	Positive
National laboratory	Experimental Zooprophyllactic Institute (IZS), Venezia - Padova	Rock Pigeon (Rock Dove)	polymerase chain reaction (PCR)	07/11/2017	Positive
National laboratory	Experimental Zooprophyllactic Institute (IZS), Venezia - Padova	Greylag Goose	polymerase chain reaction (PCR)	07/11/2017	Positive

#### Future Reporting

**The event is continuing. Weekly follow-up reports will be submitted.**

## Outbreak maps

