

Follow-up report No.1

Report reference: , Reference OIE : 13955, Report Date : 21/08/2013, Country : Italy

Report Summary

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		Date submitted to OIE	21/08/2013

Animal type	Terrestrial	Date of report	21/08/2013
Disease	Highly pathogenic avian influenza	Date of start of the event	10/08/2013
Causal Agent	Highly pathogenic avian influenza virus	Date of pre-confirmation of the event	14/08/2013
Serotype(s)	H7N7	Diagnosis	Clinical, Laboratory (basic)
Reason	New strain of a listed disease	Clinical signs	Yes
Country or zone	a zone or compartment		
Number of reported outbreaks	submitted= 2, Draft= 0		

Outbreak details

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EMILIA-ROMAGNA-oth er report - submitted	-	FERRARA		Farm	Ostellato	44.714462	11.926653	10/08/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	128000	105000	4000	0	0			
Affected Population	Commercial layer hens with clinical signs - PCR positive for H7								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EMILIA-ROMAGNA- (this report - submitted)	-	Bologna		Farm	Mordano	44.391003	11.923029	20/08/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	584900	1	0	0	0			
Affected Population	On the basis of the monitoring activities implemented after the detection of the primary outbreak in Ostellato, Ferrara province, notified on last 15 August, a secondary outbreak has been confirmed in Mordano, Bologna province, affecting a commercial farm of layer hens belonging to the same company.								

Outbreak summary: Total outbreaks = 2 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	712900	105001	4000	0	0

Epidemiology

Epidemiological comments

In the secondary outbreak HPAI subtype H7 has been detected at RT-PCR and no clinical signs have been identified. Restriction zone has been established, depopulation will be carried out and epidemiological investigation is on-going.

The depopulation operation in the primary outbreak, in Ostellato, Ferrara province, will be completed today 21 August, followed by cleaning and disinfection. The National Reference Laboratory in Padova confirmed that the virus isolated is an HPAI H7N7 showing an IVPI 3,0. Genome sequencing as well as the epidemiological investigation are ongoing. Preliminary information would suggest that a LP AI virus entered the farm (possibly via wild birds) where it mutated to a HPAI strain.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied	To be applied
<ul style="list-style-type: none"> • quarantine • movement control inside the country 	<ul style="list-style-type: none"> • stamping out • screening • disinfection of infected premises/establishment(s)
Animals treated	Vaccination Prohibited
No	Yes

Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Experimental Zooprophyllactic Institute (IZSVe), PADOVA	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	21/08/2013	Positive
National laboratory	Experimental Zooprophyllactic Institute (IZSVe), PADOVA	Birds	virus sequencing	16/08/2013	Positive
National laboratory	Experimental Zooprophyllactic Institute (IZSVe), PADOVA	Birds	virus isolation	16/08/2013	Positive

Future Reporting

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

Outbreak maps

