

### Follow-up report No.4

Report reference: , Reference OIE : 14031, Report Date : 05/09/2013, Country : Italy

#### Report Summary

<b>Name of sender of the report</b>	Prof. Dr Romano Marabelli	<b>Telephone</b>	+390659946945(6)
<b>Position</b>	Chief Veterinary Officer	<b>Fax</b>	+390659946217(6676)
<b>Address</b>	Viale Giorgio Ribotta,5 Rome 00144	<b>Email</b>	alimentivet@sanita.it
		<b>Date submitted to OIE</b>	05/09/2013

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	05/09/2013
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	10/08/2013
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of pre-confirmation of the event</b>	14/08/2013
<b>Serotype(s)</b>	H7N7	<b>Diagnosis</b>	Clinical, Laboratory (basic)
<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= 6, 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	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
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-oth er report - submitted	-	Bologna		Farm	Mordano	44.391003	11.793029	20/08/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
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.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EMILIA-ROMAGNA-oth er report - submitted	-	FERRARA		Farm	Portomaggiore	44.694341	11.888689	21/08/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	19850	19850	1300	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 in the surveillance zone, located at 3,5 km from the primary outbreak, has been confirmed in Portomaggiore, Ferrara province, affecting a commercial turkey farm.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EMILIA-ROMAGNA-oth er report - submitted	-	BOLOGNA		Farm	Mordano	44.4209	11.799384	27/08/2013	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Birds	Animals	121705	27000	364	0	0			
Affected Population	The positivity regards a commercial layer hens farm located in the protection zone established around the 2nd outbreak in Mordano Municipality.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EMILIA-ROMAGNA- (this report - submitted)	-	BOLOGNA		Farm	Mordano	44.404626	11.80232	03/09/2013	

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	98200	11	11	0	0			
Affected Population	The positivity regards a commercial layer hens farm located in the protection zone established around the 2nd outbreak in Mordano Municipality.								

Province	Number of outbreaks	District	Sub-district	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
EMILIA-ROMAGNA- (this report - submitted)	-	FERRARA		Farm	Bondeno	44.880296	11.320428	04/09/2013	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Birds	Animals	3	1	1	2	0			
Affected Population	The positivity regards a backyard flock of free-range hens. During last week of August, five hens died and one of them on 1 September was delivered to the Laboratory and resulted positive to avian influenza type A/H7 at PCR.								

### Outbreak summary: Total outbreaks = 6 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Birds	952658	151863	5676	2	0

### Epidemiology

#### Epidemiological comments

The National Reference Laboratory in Padova has confirmed H7 at RT-PCR.

The farm in Mordano is already located in the restriction zones and depopulation will be carried out.

Restriction zones have been established around the flock in Bondeno, a protection zone of 3 km and a surveillance zone of 10 km, the hens have been culled and the epidemiological investigation is on going.

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

• Unknown or inconclusive

### Measures applied

Applied	To be applied
<ul style="list-style-type: none"> <li>• quarantine</li> <li>• movement control inside the country</li> </ul>	<ul style="list-style-type: none"> <li>• stamping out</li> <li>• screening</li> <li>• disinfection of infected premises/establishment(s)</li> </ul>
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)	05/09/2013	Positive
National laboratory	Experimental Zooprophyllactic Institute (IZSVE), PADOVA	Birds	reverse transcription - polymerase chain reaction (RT-PCR)	04/09/2013	Positive

### Future Reporting

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

## Outbreak maps

