Follow-up report No.2 (Final report)

Report reference: , Reference OIE : 17608, Report Date : 28/04/2015, Country : Romania

Report Summary

Name of sender of the report	Dr Marius Grigore	**Telephone**	+40 75 70 22 042
Position	Director	**Fax**	+40 21 31 24 967
Address	Bucarest Bucarest	**Email**	grigore.marius@ansvsa.ro
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Animal type	Terrestrial	**Date of report**	28/04/2015
Disease	Highly pathogenic avian influenza	**Date of start of the event**	25/03/2015
Causal Agent	Highly pathogenic avian influenza virus	**Date of confirmation of the event**	27/03/2015
Serotype(s)	H5N1	**Date of last occurrence**	04/2010
Reason	Reoccurrence of a listed disease	**Diagnosis**	Laboratory (advanced)
Country or zone	a zone or compartment	**Clinical signs**	Yes
Number of reported outbreaks	submitted= 1, Draft= 0		

Outbreak details

Judetul	**Number of outbreaks**	**Comuna**	**Localitatea**	**Unit Type**	**Location**	**Latitude**	**Longitude**	**Start Date**	**End Date:**
CONSTANTA-other report - submitted	-	Ceaplace island		Not applicable	Sinoe Lake	44.3937	28.563	25/03/2015	28/04/2015

Species	**Measuring units**	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**
Dalmatian pelican:Pelecanidae(Pelecanus crispus)	Animals	250	64	64	0	0
Affected Population	A colony of approximately 250 birds					

Outbreak summary: Total outbreaks = 1 (Submitted)

Species	**Susceptible**	**Cases**	**Deaths**	**Destroyed**	**Slaughtered**
Dalmatian pelican	250	64	64	0	0

Epidemiology

Epidemiological comments

Phylogenetic analysis of 1,363 nucleotides of the HA gene of A/pelican/Romania/10949/15 (H5N1) highly pathogenic avian influenza places it in a cluster with recent dalmatian pelican as well as chicken isolates from Bulgaria 2015 at 99,9%. The Bulgarian isolates - A/dalmatian pelican/Bulgaria/3/2015, A/dalmatian pelican/Bulgaria/4/2015, A/chicken/Bulgaria/5407/15 and A/chicken/Bulgaria/5409/15 - belong to clade 2.3.2.1c. Nucleotide sequence comparisons reveal close similarity with A/environmental/Huzhou/C291-7/2013 (H5), A/tiger/Jiangsu/01/2013 and A(Alberta/01/2014 (H5N1) at 99.2%, 99% and 98.8% identity respectively.

During the past two weeks, no new cases of dead birds were detected and the situation is stable on the Ceaplace Island.

Source of the outbreak(s) or origin of infection

• Unknown or inconclusive

Measures applied

Applied	**To be applied**
• control of wildlife reservoirs • screening • zoning	• no planned control measures
Animals treated	**Vaccination Prohibited**
No	Yes

Diagnostic test results

Laboratory Type	**Name of Laboratory**	**Species**	**Test Type**	**Date Results Provided**	**Result**
National laboratory	Institute for Diagnosis and Animal Health	Dalmatian pelican	virus isolation	02/04/2015	Positive
National laboratory	Institute for Diagnosis and Animal Health	Dalmatian pelican	real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)	27/03/2015	Positive

Laboratory Type	Name of Laboratory	Species	Test Type	Date Results Provided	Result
National laboratory	Institute for Diagnosis and Animal Health	Dalmatian pelican	gene sequencing	02/04/2015	Positive
National laboratory	Institute for Diagnosis and Animal Health	Dalmatian pelican	haemagglutination inhibition test (HIT)	28/03/2015	Positive
National laboratory	Institute for Diagnosis and Animal Health	Dalmatian pelican	polymerase chain reaction (PCR)	27/03/2015	Positive

Future Reporting

The report and all its outbreaks have been resolved.

Outbreak maps