

## Follow-up report No.9

Report reference: , Reference OIE : 23001, Report Date : 24/02/2017, Country : Croatia

### Report Summary

<b>Name of sender of the report</b>	DVM Tihana Miskic	<b>Telephone</b>	+385 1 6443 246
<b>Position</b>	Senior Expert Adviser	<b>Fax</b>	+385 1 6443 899
<b>Address</b>	Planinska 2a 10000 Zagreb Zagreb 10000	<b>Email</b>	tihana.miskic@mps.hr
		<b>Date submitted to OIE</b>	24/02/2017

<b>Animal type</b>	Terrestrial	<b>Date of report</b>	24/02/2017
<b>Disease</b>	Highly pathogenic avian influenza	<b>Date of start of the event</b>	30/10/2016
<b>Causal Agent</b>	Highly pathogenic avian influenza virus	<b>Date of confirmation of the event</b>	09/11/2016
<b>Serotype(s)</b>	H5N8	<b>Diagnosis</b>	Clinical, Laboratory (basic), Laboratory (advanced)
<b>Reason</b>	New strain of a listed disease in the country	<b>Clinical signs</b>	Yes
<b>Country or zone</b>	a zone or compartment		
<b>Number of reported outbreaks</b>	submitted= 10, Draft= 0		

### Outbreak details

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
VUKOVARSKO-SRIJE MSKA-other report - submitted	-	Cerje	Cerje	Village	River Bidj	45.1854438782	18.6601295471	30/10/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	10	10	0	0			
Affected Population	Approximately ten swans died on the river Bidj but only two of them were available for laboratory testing. Organ samples were taken and submitted on 31 October to the Poultry centre of the Croatian Veterinary Institute. Avian influenza - subtype H5N8 was isolated. Nucleotide sequencing at the cleavage site of the hemagglutinin (HA) of the isolate revealed the multiple basic amino acid sequence "RERRRKR/GLF", which is consistent with highly pathogenic avian influenza.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
OSIJECKO-BARANJSK A-other report - submitted	-	Erdut	Bijelo Brdo	Village	River Drava- Bijelo Brdo	45.52199	18.901235	12/11/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	6	6	0	0			
Affected Population	Five dead swans were found on the river Drava, near Bijelo Brdo. Organ samples were taken and submitted to the Poultry Centre of the Croatian Veterinary Institute. Highly pathogenic avian influenza H5N8 was isolated. Additionally on the same location, on November 28, 2016 one more swan was found dead, sampled and laboratory results confirmed H5N8.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
SISACKO-MOSLAVAC KA-other report - submitted	-	Sisak	Muzilovcica	Village	Muzilovcica	45.367	16.787	29/12/2016	
<b>Species</b>	<b>Measuring units</b>	<b>Susceptible</b>	<b>Cases</b>	<b>Deaths</b>	<b>Destroyed</b>	<b>Slaughtered</b>			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	3	3	0	0			
Affected Population	3 swans were found dead.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
GRAD ZAGREB-other report - submitted	-	Grad Zagreb	Lake Jarun	Other	Lake Jarun	45.7792	15.9333	04/01/2017	

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	3	3	0	0			
Great Cormorant:Phalacrocoracidae(Phalacrocorax carbo)	Animals	...	1	1	0	0			
Affected Population	A swan was found dead. HPAI subtype H5N8 is confirmed. On the same location (lake Jarun) on 11 January 2017, one great cormorant and on 12 January 2017, one swan were found dead. On 15 January 2017, one more swan was found dead.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
KOPRIVNICKO-KRIZEVACKA-other report - submitted	-	Legrad	Soderica lake	Other	Soderica lake	46.2433	16.9228	10/01/2017	
Mute Swan:Anatidae(Cygnus olor)	Animals	...	6	6	0	0			
Affected Population	On the lake Soderica, five swans were found dead, one on January 10, 2017, the other four on 13 January 2017. One more swan was found dead on January 14, 2017.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
VIROVITICKO-PODRAVSKA-other report - submitted	-	Virovitica	Virovitica city	Other	Virovitica city	45.8825	17.3856	11/01/2017	
Great Cormorant:Phalacrocoracidae(Phalacrocorax carbo)	Animals	...	1	1	0	0			
Affected Population	A great cormorant was found dead in the Virovitica city.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
GRAD ZAGREB-other report - submitted	-	Grad Zagreb	Lake Bundeck	Other	Lake Bundeck	45.7853	15.9869	23/01/2017	
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			
Affected Population	One swan was found dead on the Lake Bundeck.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
KARLOVACKA-other report - submitted	-	Karlovac	Karlovac	Other	Karlovac- river Korana	45.4836	15.5594	02/02/2017	
Mute Swan:Anatidae(Cygnus olor)	Animals	...	1	1	0	0			
Affected Population	One swan was found dead on the river Korana.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
--------	---------------------	--------------	---------	-----------	----------	----------	-----------	------------	-----------

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
KOPRIVNICKO-KRIZE VACKA-other report - submitted	-	Hlebine	Gabajeva greda	Other	Gabajeva greda	46.15698	17.01836	07/02/2017	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	5	5	0	0			
Affected Population	Five swans were found dead.								

county	Number of outbreaks	municipality	village	Unit Type	Location	Latitude	Longitude	Start Date	End Date:
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
SISACKO-MOSLAVAC KA- (this report - submitted)	-	Novska	Lipovljani	Other	Lipovljani	45.4028	16.8647	14/02/2017	
Species	Measuring units	Susceptible	Cases	Deaths	Destroyed	Slaughtered			
Mute Swan:Anatidae(Cygnus olor)	Animals	...	3	3	0	0			
Affected Population	Three swans were found dead.								

#### Outbreak summary: Total outbreaks = 10 (Submitted)

Species	Susceptible	Cases	Deaths	Destroyed	Slaughtered
Mute Swan		38	38	0	0
Great Cormorant		2	2	0	0

#### Epidemiology

##### Epidemiological comments

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

- Unknown or inconclusive

#### Measures applied

##### No Control Measures

##### Animals treated

No

##### Vaccination Prohibited

Yes

#### Diagnostic test results

Laboratory Type	Name of Laboratory	Species	Test Type	Date results provided	Result
National laboratory	Croatian Veterinary Institute, Poultry Centre	Mute Swan	polymerase chain reaction (PCR)	21/02/2017	Positive

#### Future Reporting

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

## Outbreak maps

