Follow-up report No.5

**Report Summary**

- **Name of sender of the report**: DVM Tihana Miskic
- **Telephone**: +385 1 6443 246
- **Position**: Senior Expert Adviser
- **Fax**: +385 1 6443 899
- **Address**: Planinska 2a
  10000 Zagreb Zagreb 10000
- **Email**: tihana.miskic@mps.hr
- **Date submitted to OIE**: 24/01/2017

**Animal type**: Terrestrial
- **Date of report**: 24/01/2017
- **Disease**: Highly pathogenic avian influenza
- **Date of start of the event**: 30/10/2016
- **Causal Agent**: Highly pathogenic avian influenza virus
- **Date of confirmation of the event**: 09/11/2016
- **Serotype(s)**: H5N8
- **Diagnosis**: Clinical, Laboratory (basic), Laboratory (advanced)

**Reason**: New strain of a listed disease in the country
- **Clinical signs**: Yes

**Country or zone**: a zone or compartment

**Number of reported outbreaks**: submitted= 6, Draft= 0

**Outbreak details**

**Species**
- **Measuring units**: Animals
- **Susceptible**:... 10 10 0 0
- **Cases**:... 10 10 0 0
- **Deaths**:... 0 0 0 0
- **Destroyed**:... 0 0 0 0
- **Slaughtered**:... 0 0 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.

**Species**
- **Measuring units**: Animals
- **Susceptible**:... 6 6 0 0
- **Cases**:... 10 10 0 0
- **Deaths**:... 0 0 0 0
- **Destroyed**:... 0 0 0 0
- **Slaughtered**:... 0 0 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.

**Species**
- **Measuring units**: Animals
- **Susceptible**:... 3 3 0 0
- **Cases**:... 3 3 0 0
- **Deaths**:... 0 0 0 0
- **Destroyed**:... 0 0 0 0
- **Slaughtered**:... 0 0 0 0

**Affected Population**: 3 swans were found dead.

**Species**
- **Measuring units**: Animals
- **Susceptible**:... 0 0 0 0
- **Cases**:... 0 0 0 0
- **Deaths**:... 0 0 0 0
- **Destroyed**:... 0 0 0 0
- **Slaughtered**:... 0 0 0 0

**Affected Population**: 2 swans were found dead.
### Outbreak summary: Total outbreaks = 6 (Submitted)

<table>
<thead>
<tr>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mute Swan: Anatidae (Cygnus olor)</td>
<td>Animals</td>
<td>...</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Great Cormorant: Phalacrocoracidae (Phalacrocorax carbo)</td>
<td>Animals</td>
<td>...</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Outbreaks:

**KOPRIVNICKO-KRIZEVACKA - other report - submitted**

- **Location:** Soderica lake
- **Start Date:** 10/01/2017
- **End Date:** 10/01/2017

**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.

**VIROVITICKO-PODRAVSKA - other report - submitted**

- **Location:** Virovitica city
- **Start Date:** 11/01/2017
- **End Date:** 11/01/2017

**Affected Population:** A great cormorant was found dead in the Virovitica city.

#### Epidemiology

**Epidemiological comments:** Housing of poultry is prescribed to prevent contact between poultry and wild birds.

**Source of the outbreak(s) or origin of infection:**
- Unknown or inconclusive

**Measures applied:**
- Vaccination Prohibited
- National laboratory: Croatian Veterinary Institute, Zagreb- Poultry Centre

**Diagnostic test results:**

<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>Croatian Veterinary Institute, Zagreb- Poultry Centre</td>
<td>Mute Swan</td>
<td>Polymerase chain reaction (PCR)</td>
<td>19/01/2017</td>
<td>Positive</td>
</tr>
</tbody>
</table>

---

Follow-up report No.: 5, Report reference: , OIE Ref: 22522, Report Date: 24/01/2017, Country: Croatia
<table>
<thead>
<tr>
<th>Laboratory Type</th>
<th>Name of Laboratory</th>
<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>Croatian Veterinary Institute, Zagreb- Poultry Centre</td>
<td>Great Cormorant</td>
<td>polymerase chain reaction (PCR)</td>
<td>18/01/2017</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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

Follow-up report No.: 5, Report reference:  , OIE Ref: 22522, Report Date: 24/01/2017, Country: Croatia

Printed on: Wed Jan 25 18:03:04 CET 2017