### Outbreak details

<table>
<thead>
<tr>
<th>County</th>
<th>Number of outbreaks</th>
<th>Municipality</th>
<th>Village</th>
<th>Unit Type</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>SISACKO-MOSLAVAC-Sisak</td>
<td></td>
<td></td>
<td>Muzilovcica</td>
<td>Village</td>
<td>Muzilovcica</td>
<td>45.367</td>
<td>16.787</td>
<td>29/12/2016</td>
<td></td>
</tr>
<tr>
<td>GRAD ZAGREB-Grad Zagreb</td>
<td></td>
<td></td>
<td>Lake Jarun</td>
<td>Other</td>
<td>Lake Jarun</td>
<td>45.7792</td>
<td>15.9333</td>
<td>04/01/2017</td>
<td></td>
</tr>
</tbody>
</table>

**Species**

<table>
<thead>
<tr>
<th></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>Adult</td>
<td>10</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Juvenile</td>
<td>6</td>
<td>6</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adult</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Juvenile</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

**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.

- 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.

- 3 swans were found dead.
### Affected Population

- **KOPRIVNICKO-KRIZEVACKA**
  - **Species**: Mute Swan (*Anatidae* (*Cygnus olor*))
  - **Location**: Soderica lake
  - **Number of outbreaks**: 1
  - **Susceptible Cases**: 3
  - **Deaths**: 3
  - **Destroyed**: 0
  - **Slaughtered**: 0
  - **Start Date**: 10/01/2017
  - **End Date**: 10/01/2017

- **VIROVITICKO-PODRAVINSKA**
  - **Species**: Great Cormorant (*Phalacrocoracidae* (*Phalacrocorax carbo*))
  - **Location**: Virovitica city
  - **Number of outbreaks**: 1
  - **Susceptible Cases**: 1
  - **Deaths**: 1
  - **Destroyed**: 0
  - **Slaughtered**: 0
  - **Start Date**: 11/01/2017
  - **End Date**: 11/01/2017

- **GRAD ZAGREB**
  - **Species**: Mute Swan (*Anatidae* (*Cygnus olor*))
  - **Location**: Lake Bundek
  - **Number of outbreaks**: 1
  - **Susceptible Cases**: 1
  - **Deaths**: 1
  - **Destroyed**: 0
  - **Slaughtered**: 0
  - **Start Date**: 23/01/2017
  - **End Date**: 23/01/2017

- **KARLOVACKA**
  - **Species**: Mute Swan (*Anatidae* (*Cygnus olor*))
  - **Location**: Karlovac city
  - **Number of outbreaks**: 1
  - **Susceptible Cases**: 1
  - **Deaths**: 1
  - **Destroyed**: 0
  - **Slaughtered**: 0
  - **Start Date**: 02/02/2017
  - **End Date**: 02/02/2017

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Follow-up report No.: 9, Report reference: , OIE Ref: 23001, Report Date: 24/02/2017, Country: Croatia

Printed on: Fri Feb 24 11:46:35 CET 2017
### Outbreak Summary

**Total Outbreaks = 10 (Submitted)**

<table>
<thead>
<tr>
<th>Species</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>3</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Epidemiology

**Epidemiological Comments**

- Unknown or inconclusive

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

- Unknown or inconclusive

**Measures Applied**

- No Control Measures

**Animals Treated**

- Vaccination Prohibited

**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, Poultry Centre</td>
<td>Mute Swan</td>
<td>polymerase chain reaction (PCR)</td>
<td>21/02/2017</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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

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