**Report Summary**

Name of sender of the report: DVM Tihana Miskic  
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Email: tihana.miskic@mps.hr

**Position**  
Senior Expert Adviser

**Address**  
Planinska 2a  
10000 Zagreb Zagreb 10000

**Date submitted to OIE**  
17/03/2017

**Animal type**  
Terrestrial

**Date of report**  
17/03/2017

**Disease**  
Highly pathogenic avian influenza

**Date of start of the event**  
08/03/2017

**Causal Agent**  
Highly pathogenic avian influenza virus

**Date of confirmation of the event**  
15/03/2017

**Serotype(s)**  
H5N5

**Reason**  
New strain of a listed disease

**Country or zone**  
a zone or compartment

**Number of reported outbreaks**  
submitted= 4, Draft= 0

### 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>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
</table>
| KRAPINSKO-ZAGORSKA  
KA- (this report - submitted) | - | Zabok | Spickovina | Backyard | Spickovina 1 | 46.0336 | 15.9658 | 08/03/2017 |          | Birds | Animals | 23 | 23 | 0 | 0 |

**Affected Population**

<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>
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<th>Susceptible</th>
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<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
</table>
| KRAPINSKO-ZAGORSKA  
KA- (this report - submitted) | - | Zabok | Spickovina | Farm | Spickovina 2 | 46.0336 | 15.9658 | 08/03/2017 |          | Birds | Animals | 20 | 20 | 0 | 0 |

**Affected Population**

<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>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
</table>
| KRAPINSKO-ZAGORSKA  
KA- (this report - submitted) | - | Zabok | Spickovina | Backyard | Spickovina 3 | 46.0336 | 15.9658 | 14/03/2017 |          | Birds | Animals | 3 | 3 | 0 | 3 |

**Affected Population**

<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>
<th>Species</th>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
</table>
| KRAPINSKO-ZAGORSKA  
KA- (this report - submitted) | - | Zabok | Spickovina | Farm | Spickovina 4 | 46.0336 | 15.9658 | 14/03/2017 |          | Birds | Animals | 19 | 19 | 0 | 19 |

**Affected Population**

**Outbreak summary: Total outbreaks = 4 (Submitted)**

Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered
Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered
---|---|---|---|---|---
Birds | 65 | 65 | 43 | 22 | 0

**Epidemiology**

### Epidemiological comments

Suspicion on the disease for two neighbouring holdings (Spickovina 1 and Spickovina 2) was notified at the same time on the 8th March 2017 following an increased mortality in birds (all poultry heads on both holdings were found dead). According to the observation of authorised veterinarian on the neighbouring area there are two small ponds on which wild ducks gather. AI subtype H5N5 in poultry was confirmed on the 13th March 2017. Following the confirmation of AI, the measures were applied on 15 holdings on 14th March 2017, and approximately 248 poultry heads were killed and destroyed. Three neighbouring holdings were additionally tested and two (out of three; Spickovina 3 and Spickovina 4) reacted positively to avian influenza. There were no clinical signs (including mortality) on those holdings. Virus sequencing was finished on the 15th March; highly pathogenic avian influenza is confirmed.

Conducting of measures according to the Directive 2005/94 is still ongoing.

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

- Unknown or inconclusive

### Measures applied

**Applied**

- disinfection / disinfestation
- stamping out
- official disposal of carcasses, by-products and waste

**To be applied**

- no planned 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>Birds</td>
<td>polymerase chain reaction (PCR)</td>
<td>13/03/2017</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Croatian Veterinary Institute, Poultry Centre</td>
<td>Birds</td>
<td>virus sequencing</td>
<td>15/03/2017</td>
<td>Positive</td>
</tr>
</tbody>
</table>

### Future Reporting

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

Outbreak maps