Report Summary

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Date submitted to OIE: 14/12/2016

Animal type: Terrestrial
Date of report: 14/12/2016
Disease: Highly pathogenic avian influenza
Date of start of the event: 24/11/2016
Causal Agent: Highly pathogenic avian influenza virus in wild birds
Date of confirmation of the event: 30/11/2016
Serotype(s): H5N8
Reason: First occurrence of a listed disease in the country
Clinical signs: Yes
Country or zone: Imada
Number of reported outbreaks: submitted=1, Draft=0

Outbreak details

<table>
<thead>
<tr>
<th>Gouvernorat</th>
<th>Number of outbreaks</th>
<th>Délegation</th>
<th>Imada</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>BIZERTE-other report - submitted</td>
<td>Ghazala</td>
<td>Natural park</td>
<td>Ichkeul Natural Park</td>
<td>37.124365</td>
<td>9.615308</td>
<td>24/11/2016</td>
<td></td>
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<td></td>
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</tbody>
</table>

Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered
Common Coot Rallidae (Fulica atra) Animals ... 17 17 0 0
Eurasian Wigeon Anatidae (Anas penelope) Animals ... 13 13 0 0

Affected Population: On November 24, 2016, 30 Eurasian wigeons (Anas Penelope) and common coots (Fulica atra) were found dead in Ichkeul Natural Park (wetland), in the framework of the strengthened surveillance in wetland areas (REPIOM network). On November 30, 2016, the laboratory of the Veterinary Research Institute in Tunis confirmed the presence of H5 virus in the samples taken on the animals.

Outbreak summary: Total outbreaks = 1 (Submitted)

Species Susceptible Cases Deaths Destroyed Slaughtered
Common Coot 17 17 0 0
Eurasian Wigeon 13 13 0 0

Epidemiology

Epidemiological comments:
- The H5 sequence fragment was sent to the Reference Laboratory in Padova to identify the neuraminidase (N). The Reference Laboratory confirmed that the H5 sequence fragment is directly related to highly pathogenic H5 virus sequences clade 2.3.4.4 (including the H5N8 viruses currently circulating in Russia and Europe).
- A phylogenetic analysis is on-going at the Experimental Zooprophylactic Institute (IZS), Venice (OIE Reference Laboratory).
- The situation is stable.

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

Measures applied

<table>
<thead>
<tr>
<th>Applied</th>
<th>To be applied</th>
</tr>
</thead>
<tbody>
<tr>
<td>• control of wildlife reservoirs</td>
<td>• no planned control measures</td>
</tr>
<tr>
<td>• surveillance outside containment and/or protection zone</td>
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<tr>
<td>• official disposal of carcasses, by-products and waste</td>
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<tr>
<td>• surveillance within containment and/or protection zone</td>
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</tbody>
</table>

Animals treated: Vaccination Prohibited

No

Future Reporting

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