### Report Summary

**Name of sender of the report**: Prof. Dr. Romano Marabelli  
**Telephone**: +390659946945(6)  
**Fax**: +390659946217(6676)  
**Email**: alimentivet@sanita.it

**Report reference**:  
**Report Date**: 11/04/2017  
**Country**: Italy

**Report Summary**

**Animal type**: Terrestrial  
**Date of report**: 11/04/2017

**Disease**: Highly pathogenic avian influenza  
**Date of start of the event**: 20/01/2017

**Causal Agent**: Highly pathogenic avian influenza virus  
**Date of confirmation of the event**: 21/01/2017

**Serotype(s)**: H5N8  
**Date of last occurrence**: 17/01/2015

**Reason**: Recurrence of a listed disease  
**Diagnosis**: Clinical, Laboratory (advanced)

**Country or zone**: a zone or compartment  
**Clinical signs**: Yes

**Number of reported outbreaks**: submitted= 14, Draft= 0

### Outbreak details

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</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>VENETO-other report - submitted</td>
<td>1</td>
<td>VENEZIA</td>
<td>Farm</td>
<td>Mira</td>
<td>45.380407</td>
<td>12.166908</td>
<td>20/01/2017</td>
<td>26/01/2017</td>
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</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>20500</td>
<td>6000</td>
<td>600</td>
<td>19900</td>
<td>0</td>
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</tbody>
</table>

**Affected Population**: The positivity regards a commercial farm of fattening turkeys.  
**Culling of 19900 turkeys has been completed on 26 January 2017 and all 20500 turkeys have been safely disposed of.

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</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>VENETO-other report - submitted</td>
<td>1</td>
<td>PADOVA</td>
<td>Farm</td>
<td>Piove di Sacco</td>
<td>45.30428</td>
<td>12.112575</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>22630</td>
<td>254</td>
<td>254</td>
<td>22376</td>
<td>0</td>
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</table>

**Affected Population**: The positivity regards a farm of fattening turkeys.  
**Culling of 22376 turkey has been completed on 29 January 2017 and all 22630 turkeys have been safely disposed of.

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</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>VENETO-other report - submitted</td>
<td>1</td>
<td>ROVIGO</td>
<td>Farm</td>
<td>Porto Viro</td>
<td>44.964074</td>
<td>12.282057</td>
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<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
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<td></td>
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<tr>
<td>Birds</td>
<td>Animals</td>
<td>37000</td>
<td>280</td>
<td>280</td>
<td>36720</td>
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</tbody>
</table>

**Affected Population**: The positivity regards a layer hens farming.  
**Culling of 36720 layer hens has been completed on 04 February 2017 and all 37000 layer hens have been safely disposed of.

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
<th>Sub-district</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>EMILIA-ROMAGNA-oth er report - submitted</td>
<td>1</td>
<td>PARMA</td>
<td>Farm</td>
<td>Sorbolo</td>
<td>44.88879</td>
<td>10.453311</td>
<td>01/02/2017</td>
<td>08/02/2017</td>
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</tr>
<tr>
<td>Species</td>
<td>Measuring units</td>
<td>Susceptible</td>
<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
<td>Slaughtered</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>23300</td>
<td>4000</td>
<td>400</td>
<td>22900</td>
<td>0</td>
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</table>
Follow-up report No.: 13, Report reference: , OIE Ref: 23534, Report Date: 11/04/2017, Country: Italy

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<thead>
<tr>
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<th>District</th>
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<th>Unit Type</th>
<th>Location</th>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOMBARDIA</td>
<td></td>
<td>MANZAMBANO</td>
<td></td>
<td>Farm</td>
<td>Monzambano</td>
<td>45.378272</td>
<td>10.673785</td>
<td>14/02/2017</td>
<td>18/02/2017</td>
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<tr>
<td>VENETO</td>
<td></td>
<td>VERONA</td>
<td></td>
<td>Farm</td>
<td>Gazze Veronese</td>
<td>45.122105</td>
<td>11.129962</td>
<td>16/02/2017</td>
<td>21/02/2017</td>
</tr>
<tr>
<td>TREVISO</td>
<td></td>
<td>Vazzola</td>
<td></td>
<td>Farm</td>
<td>Vazzola</td>
<td>45.846956</td>
<td>12.357294</td>
<td>16/03/2017</td>
<td>18/03/2017</td>
</tr>
</tbody>
</table>

**Affected Population**

The positivity regards a farm of fattening turkeys.

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Culling of 22,900 turkeys has been completed on 8 February 2017 and all 23,300 turkeys have been safely disposed of.

Culling of 15,227 turkeys has been completed on 18 February 2017 and all 15,327 turkeys have been safely disposed of.

Culling of 41,233 turkeys has been completed on 21 February 2017 and all 41,373 turkeys have been safely disposed of.

Culling of 19,482 turkeys has been completed on 25 February 2017 and all 19,532 turkeys have been safely disposed of.

Culling of 1,11 animals has been completed on 28 February 2017 and all 11 animals have been safely disposed of.

Culling of 175 game birds has been completed on 18 March 2017 and all 180 game birds have been safely disposed of.
### Outbreak summary: Total outbreaks = 14 (Submitted)

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<tr>
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<th>Longitude</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PIEMONTE-other report - submitted</td>
<td>-</td>
<td>TORINO</td>
<td>Farm</td>
<td>Chivasso</td>
<td>45.198792</td>
<td>7.837833</td>
<td>28/03/2017</td>
<td>31/03/2017</td>
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<tr>
<td>FRIULI-VENEZIA GIULIA-other report - submitted</td>
<td>-</td>
<td>PORDENONE</td>
<td>Farm</td>
<td>San Vito al Tagliamento</td>
<td>45.922551</td>
<td>12.841861</td>
<td>28/03/2017</td>
<td>31/03/2017</td>
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<tr>
<td>VENETO-other report - submitted</td>
<td>-</td>
<td>VERONA</td>
<td>Farm</td>
<td>Cazzano di Tramigna</td>
<td>45.448526</td>
<td>11.21608</td>
<td>28/03/2017</td>
<td>31/03/2017</td>
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<tr>
<td>EMILIA-ROMAGNA-(this report - submitted)</td>
<td>-</td>
<td>BOLOGNA</td>
<td>Farm</td>
<td>Mordano</td>
<td>44.4209</td>
<td>11.799384</td>
<td>07/04/2017</td>
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</tbody>
</table>

#### Species

<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>Birds</td>
<td>Animals</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Affected Population**

The positivity regards a backyard farm. The March 31, 2017 all of the 11 animals were safely disposed of.

The positivity regards a backyard farm.

The positivity regards a commercial farm of fattening turkeys.

The positivity regards a layer farming.

#### Epidemiology

**Epidemiological comments**

The National Reference Laboratory has sequenced HPAI subtype H5N8. A protection zone of 3 km and a surveillance zone of 10 km have been established.

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

- Unknown or inconclusive

**Measures applied**

- To be applied
  - movement control inside the country
  - screening
  - traceability
  - surveillance within containment and/or protection zone
  - zoning

**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>
</table>

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<table>
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<th>Species</th>
<th>Test Type</th>
<th>Date results provided</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>National laboratory</td>
<td>Experimental Zooprophylactic Institute (IZSVe), Padova</td>
<td>Birds</td>
<td>real-time PCR</td>
<td>08/04/2017</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>Experimental Zooprophylactic Institute (IZSVe), Padova</td>
<td>Birds</td>
<td>polymerase chain reaction (PCR)</td>
<td>08/04/2017</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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