Report Summary

Name of sender of the report: Dr Loic Evain
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Address: 251, rue de Vaugirard
75732 PARIS Cedex 15 Paris

Date submitted to OIE: 13/01/2016

Animal type: Terrestrial

Disease: Highly pathogenic avian influenza
Date of report: 12/01/2016

Causal Agent: Highly pathogenic avian influenza virus
Date of start of the event: 10/11/2015
Date of confirmation of the event: 24/11/2015

Serotype(s): H5N1
Date of last occurrence: 2007

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

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

Number of reported outbreaks: submitted= 16, Draft= 0

Outbreak details

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
<th>Commune</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>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>Saint-Paul la Roche</td>
<td>Farm</td>
<td>Saint-Paul la Roche</td>
<td>45.4978253</td>
<td>0.9818008</td>
<td>10/11/2015</td>
<td>01/12/2015</td>
</tr>
</tbody>
</table>

Species: Measuring units: Susceptible: Cases: Deaths: Destroyed: Slaughtered

Affected Population: Samples taken in a duck farm with a gavage unit as part of the scheduled national surveillance with isolation of a H5N1 virus. Following additional samples, a H5N9 strain virus was also identified in the farm.

<table>
<thead>
<tr>
<th>Département</th>
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<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>Backyard</td>
<td>Biras</td>
<td>45.288611</td>
<td>0.639444</td>
<td>14/11/2015</td>
<td>20/11/2015</td>
<td></td>
</tr>
</tbody>
</table>

Species: Measuring units: Susceptible: Cases: Deaths: Destroyed: Slaughtered

Affected Population: A backyard (non-commercial farm) consisting of 32 broiler chickens and layer hens showing acute mortalities leading to testing and preventive slaughter.

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>MONTIGNAC</td>
<td>Farm</td>
<td>MONTIGNAC</td>
<td>45.066667</td>
<td>1.161389</td>
<td>27/11/2015</td>
<td>08/12/2015</td>
</tr>
</tbody>
</table>

Species: Measuring units: Susceptible: Cases: Deaths: Destroyed: Slaughtered

Affected Population: A backyard consisting of 25 hens, 3 ducks and 2 geese showed mortality. Sampling carried out under clinical suspicion isolated a highly pathogenic H5N1 virus.

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
<th>Commune</th>
<th>Unit Type</th>
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<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAUTE-VIENNE-other report - submitted</td>
<td>-</td>
<td>LES BILLANGES</td>
<td>Farm</td>
<td>LES BILLANGES</td>
<td>45.9805066</td>
<td>1.5406258</td>
<td>03/12/2015</td>
<td>10/12/2015</td>
</tr>
</tbody>
</table>

Species: Measuring units: Susceptible: Cases: Deaths: Destroyed: Slaughtered

Affected Population: The death of three animals in a poultry farm led to take samples following a clinical suspicion. The results from the National Reference Laboratory on 8 December 2015 confirm H5N1 serotype.

<table>
<thead>
<tr>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>NANTHEUIL</td>
<td>Farm</td>
<td>NANTHEUIL</td>
<td>45.4237843</td>
<td>0.9612285</td>
<td>03/12/2015</td>
<td>08/12/2015</td>
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</tbody>
</table>

Species: Measuring units: Susceptible: Cases: Deaths: Destroyed: Slaughtered

Affected Population: Samples taken in order to leave the restriction zone.
<table>
<thead>
<tr>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>SAINT ARMAND DE COLY</td>
<td>Farm</td>
<td>SAINT ARMAND DE COLY</td>
<td>45.049765</td>
<td>1.2768368</td>
<td>10/12/2015</td>
<td>18/12/2015</td>
</tr>
</tbody>
</table>

**Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered**

**Birds** Animals 1000 0 1000 0

**Affected Population** Samples were taken in the frame of the analytical surveillance.

<table>
<thead>
<tr>
<th>Département</th>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANDES-other report - submitted</td>
<td>-</td>
<td>EYRES MONCUBE</td>
<td>Farm</td>
<td>EYRES MONCUBE</td>
<td>43.7175309</td>
<td>-0.5451694</td>
<td>11/12/2015</td>
<td>14/12/2015</td>
</tr>
</tbody>
</table>

**Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered**

**Birds** Animals 910 0 910 0

**Affected Population** Samples were taken in the frame of the analytical surveillance. The National Reference Laboratory confirmed the presence of H5N1 virus on 22 December 2015.

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
<th>Commune</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>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>LE LARDIN SAINT LAZARE</td>
<td>Farm</td>
<td>LE LARDIN SAINT LAZARE</td>
<td>45.1364263</td>
<td>1.2275143</td>
<td>12/12/2015</td>
<td>21/12/2015</td>
</tr>
</tbody>
</table>

**Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered**

**Birds** Animals 480 0 480 0

**Affected Population** Samples were taken in the frame of the analytical surveillance.

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
<th>Commune</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>PYRÉNÉES-ATLANTIQUES-other report - submitted</td>
<td>-</td>
<td>CROUSEILLES</td>
<td>Farm</td>
<td>CROUSEILLES</td>
<td>43.5293617</td>
<td>-0.5902759</td>
<td>12/12/2015</td>
<td>21/12/2015</td>
</tr>
</tbody>
</table>

**Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered**

**Birds** Animals 1810 0 1810 0

**Affected Population** Ducks in a gavage unit showed mortality. The National Reference laboratory confirmed the presence of H5N1 virus.

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
<th>Commune</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>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>Bosset</td>
<td>Farm</td>
<td>Bosset</td>
<td>45.035833</td>
<td>0.366389</td>
<td>13/12/2015</td>
<td>16/12/2015</td>
</tr>
</tbody>
</table>

**Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered**

**Birds** Animals 1070 0 1070 0

**Affected Population** Farm with fattened ducks. Samples were taken in the framework of movements out of the zone of Bosset for slaughter. The slaughter of the flock is planned on 16 December 2015.

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
<th>Commune</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>LANDES-other report - submitted</td>
<td>-</td>
<td>SERRES GASTON</td>
<td>Farm</td>
<td>SERRES GASTON</td>
<td>43.6770137</td>
<td>-0.5271729</td>
<td>14/12/2015</td>
<td>04/01/2016</td>
</tr>
</tbody>
</table>

**Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered**

**Birds** Animals 10840 0 10840 0

**Affected Population** Samples were taken in the frame of the analytical surveillance in a farm with 6,000 ducks in gavage process, 4,000 ducklings and 840 ducks at the end of the gavage process. The National Reference laboratory confirmed the presence of H5N1 virus on 21 December 2015.

<table>
<thead>
<tr>
<th>Département</th>
<th>Number of outbreaks</th>
<th>Commune</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>HAUTES-PYRÉNÉES-OTHER report - submitted</td>
<td>-</td>
<td>BAZILLAC</td>
<td>Farm</td>
<td>BAZILLAC</td>
<td>43.3523109</td>
<td>0.1037034</td>
<td>18/12/2015</td>
<td>23/12/2015</td>
</tr>
</tbody>
</table>

**Species Measuring units Susceptible Cases Deaths Destroyed Slaughtered**

**Birds** Animals 5600 0 5600 0

**Affected Population** Samples were taken following a clinical suspicion in a farm with 3,000 ducks and 2,600 geese. The National Reference laboratory confirmed the presence of H5N1 virus on 23 December 2015.
Département | Number of outbreaks | Commune | Unit Type | Location | Latitude | Longitude | Start Date | End Date |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
GERS-other report - submitted | - | MONTAUT | Farm | MONTAUT | 43.405831 | 0.421362 | 20/12/2015 | 23/12/2015 |
Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
Birds | Animals | 415 | 35 | 35 | 380 | 0 |
Affected Population | Samples were taken following mortality in ducks in gavage process. The National Reference laboratory confirmed the presence of H5N1 virus on 23 December 2015. |

Département | Number of outbreaks | Commune | Unit Type | Location | Latitude | Longitude | Start Date | End Date |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
DORDOGNE-other report - submitted | - | CELLES | Farm | CELLES | 45.293999 | 0.4053409 | 20/12/2015 | 06/01/2016 |
Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
Birds | Animals | 200 | 6 | 6 | 194 | 0 |
Affected Population | Out of the 30 hens of the holding, 6 died which lead to samples being taken in the frame of a clinical suspicion. The National Reference Laboratory confirmed the presence of H5N1 virus. Additionally the holding includes 150 pigeons, 4 peacocks and 16 geese. All of them will be destroyed. |

Département | Number of outbreaks | Commune | Unit Type | Location | Latitude | Longitude | Start Date | End Date |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
LOT-other report - submitted | - | MIERS | Farm | MIERS | 44.856442 | 1.7264083 | 24/12/2015 | 06/01/2016 |
Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
Birds | Animals | 1250 | 39 | 39 | 1211 | 0 |
Affected Population | Out of a lot of 180 guinea fowls, 39 died which lead to samples being taken in the frame of a clinical suspicion. The National Reference Laboratory confirmed the presence of H5N1 virus. There is another lot of 80 guinea fowls, 280 ducks, 650 broilers and 60 layers on the farm. All of them will be destroyed. |

Département | Number of outbreaks | Commune | Unit Type | Location | Latitude | Longitude | Start Date | End Date |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
HAUTE-GARONNE-(this report - submitted) | - | LAFITTE VIGORDANE | Farm | LAFITTE VIGORDANE | 43.3016823 | 1.6649328 | 04/01/2016 |
Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
Birds | Animals | 17000 | 480 | 480 | 0 | 0 |
Affected Population | Hens in a farm with 10,000 hens and 7,000 ducks showed mortalities and this lead to samples being taken in the frame of a clinical suspicion. The National Reference Laboratory confirmed the presence of H5N1 virus. Animals will be destroyed on 13 and 14 January 2016. |

Outbreak summary: Total outbreaks = 16 (Submitted)

Species | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
--- | --- | --- | --- | --- | --- |
Birds | 55887 | 604 | 597 | 3870 | 0 |

Epidemiology

Epidemiological comments
Zoning: protection (3 km) and surveillance (10 km) zones around the farms as well as another low risk zone.

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

Measures applied

Applied | To be applied
--- | ---
• stamping out | • control of wildlife reservoirs
• movement control inside the country
• screening
• zoning
• disinfection / disinfestation
• surveillance outside containment and/or protection zone
• official disposal of carcasses, by-products and waste
• surveillance within containment and/or protection zone
• traceability

Follow-up report No.: 6, Report reference:  , OIE Ref: 19495, Report Date: 12/01/2016, Country: France

**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>National Reference Laboratory for Avian Influenza and Newcastle Disease, ANSES</td>
<td>Birds</td>
<td>nucleotide sequencing</td>
<td>12/01/2016</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>National Reference Laboratory for Avian Influenza and Newcastle Disease, ANSES</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>12/01/2016</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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