**Follow-up report No.12**

**Report reference:** , **Reference OIE:** 23333, **Report Date:** 28/03/2017, **Country:** France

### Report Summary

**Name of sender of the report**

Dr Loic Evain

**Telephone**

(33) 1 49 55 81 77

**Fax**

(33) 1 49 55 55 91

**Address**

251, rue de Vaugirard

75732 PARIS Cedex 15 Paris

**Date submitted to OIE**

28/03/2017

**Animal type**

Terrestrial

**Date of report**

28/03/2017

**Disease**

Highly pathogenic avian influenza

**Date of start of the event**

14/11/2015

**Causal Agent**

Highly pathogenic avian influenza virus

**Date of confirmation of the event**

24/11/2015

**Serotype(s)**

H5N1

**Reason**

Reoccurrence of a listed disease

**Country or zone**

a zone or compartment

**Clinical signs**

Yes

**Number of reported outbreaks**

submitted= 21, 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</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>

**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>
<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</td>
<td>-</td>
<td>Biras</td>
<td>Backyard</td>
<td>45.288811</td>
<td>0.639444</td>
<td>14/11/2015</td>
<td>20/11/2015</td>
<td></td>
</tr>
</tbody>
</table>

**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>
<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</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>

**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>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>DORDOGNE-other</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>
</tr>
</tbody>
</table>

**Affected Population**

Samples taken in order to leave the restriction zone.

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**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</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>

**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>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>
<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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>910</td>
<td>0</td>
<td>910</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>Samples were taken in the framework of analytical surveillance. The National Reference Laboratory confirmed the presence of H5N1 virus on 22 December 2015.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<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>
<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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>480</td>
<td>...</td>
<td>0</td>
<td>480</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>Samples were taken in the framework of the analytical surveillance.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PYRÉNÉES-ATLANTIQUES-other report - submitted</td>
<td>-</td>
<td>CROUSEILLES</td>
<td>Farm</td>
<td>CROUSEILLES</td>
<td>43.5293617</td>
<td>-0.092759</td>
<td>12/12/2015</td>
<td>21/12/2015</td>
</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>1810</td>
<td>0</td>
<td>1810</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>Ducks in a gavage unit showed mortality. The National Reference laboratory confirmed the presence of H5N1 virus.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>Bosset</td>
<td>Farm</td>
<td>Bosset</td>
<td>45.0358333</td>
<td>0.366389</td>
<td>13/12/2015</td>
<td>16/12/2015</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>1070</td>
<td>0</td>
<td>1070</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
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<tr>
<td>Affected Population</td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>LANDES-other report - submitted</td>
<td>-</td>
<td>SERRES GASTON</td>
<td>Farm</td>
<td>SERRES GASTON</td>
<td>43.5796317</td>
<td>-0.5271729</td>
<td>14/12/2015</td>
<td>04/01/2016</td>
</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>10840</td>
<td>0</td>
<td>10840</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>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.</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>HAUTES-PYRÉNÉES-other report - submitted</td>
<td>-</td>
<td>BAZILLAC</td>
<td>Farm</td>
<td>BAZILLAC</td>
<td>43.3523109</td>
<td>0.1057034</td>
<td>18/12/2015</td>
<td>23/12/2015</td>
</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>5600</td>
<td>3</td>
<td>5600</td>
<td>3</td>
<td>597</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DORDOGNE-other report - submitted</td>
<td>-</td>
<td>CELLES</td>
<td>Farm</td>
<td>CELLES</td>
<td>45.293999</td>
<td>0.4053409</td>
<td>20/12/2015</td>
<td>06/01/2016</td>
</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>200</td>
<td>6</td>
<td>200</td>
<td>6</td>
<td>194</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>
### Département: GERS
#### Number of outbreaks: 1
#### Commune: MONTAUT
#### Unit Type: Farm
#### Location: MONTAUT
#### Latitude: 43.405831
#### Longitude: 0.421362
#### Start Date: 20/12/2015
#### End Date: 23/12/2015

**Species**
- Measuring units: Animals
- Susceptible: 415
- Cases: 35
- Deaths: 35
- Destroyed: 380
- Slaughtered: 0

**Affected Population**
Samples were taken following mortality in ducks in gavage process. 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: Haute-Garonne
#### Number of outbreaks: 1
#### Commune: LAFFITTE VIGORDANE
#### Unit Type: Farm
#### Location: LAFFITTE VIGORDANE
#### Latitude: 43.3016823
#### Longitude: 1.1649328
#### Start Date: 04/01/2016
#### End Date: 14/01/2016

**Species**
- Measuring units: Birds
- Susceptible: 17000
- Cases: 480
- Deaths: 480
- Destroyed: 16520
- Slaughtered: 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.

### Département: Lot
#### Number of outbreaks: 2
#### Commune: MONTAUT
#### Unit Type: Farm
#### Location: MONTAUT
#### Latitude: 43.405831
#### Longitude: 0.421362
#### Start Date: 20/12/2015
#### End Date: 23/12/2015

**Species**
- Measuring units: Animals
- Susceptible: 415
- Cases: 35
- Deaths: 35
- Destroyed: 380
- Slaughtered: 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: Lot
#### Number of outbreaks: 2
#### Commune: MIERS
#### Unit Type: Farm
#### Location: MIERS
#### Latitude: 44.8506442
#### Longitude: 1.7264083
#### Start Date: 24/12/2015
#### End Date: 06/01/2016

**Species**
- Measuring units: Birds
- Susceptible: 1250
- Cases: 39
- Deaths: 39
- Destroyed: 1211
- Slaughtered: 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: Lot
#### Number of outbreaks: 1
#### Commune: LAFFITTE VIGORDANE
#### Unit Type: Farm
#### Location: LAFFITTE VIGORDANE
#### Latitude: 43.3016823
#### Longitude: 1.1649328
#### Start Date: 04/01/2016
#### End Date: 14/01/2016

**Species**
- Measuring units: Birds
- Susceptible: 17000
- Cases: 480
- Deaths: 480
- Destroyed: 16520
- Slaughtered: 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.

### Département: Lot
#### Number of outbreaks: 1
#### Commune: MIERS
#### Unit Type: Farm
#### Location: MIERS
#### Latitude: 44.8506442
#### Longitude: 1.7264083
#### Start Date: 24/12/2015
#### End Date: 06/01/2016

**Species**
- Measuring units: Birds
- Susceptible: 1250
- Cases: 39
- Deaths: 39
- Destroyed: 1211
- Slaughtered: 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.
<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>LA DORNAC</td>
<td>Farm</td>
<td>LA DORNAC</td>
<td>45.081390381</td>
<td>1.359444022</td>
<td>13/07/2016</td>
<td>20/07/2016</td>
</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>14400</td>
<td>1000</td>
<td>1000</td>
<td>3400</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>A broiler flock whose mortality started to increase on July 13 and accelerated to reach 1000 dead animals on July 15. Samples positive to H5N1 were officially confirmed by the National Reference Laboratory (ANSES) on July 18 (real-time RT PCR). Further epidemiological investigations are on-going.</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

<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>LA DORNAC</td>
<td>Farm</td>
<td>LA DORNAC</td>
<td>45.081390381</td>
<td>1.359444022</td>
<td>19/07/2016</td>
<td>25/07/2016</td>
</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>24000</td>
<td>0</td>
<td>0</td>
<td>24000</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>A flock of ducks for fattening located in a range within a few hundred meters from the first identified outbreak within the same municipality on 13 July 2016. The flock was detected through sampling within the framework of epidemiological investigations of this first outbreak in La Dornac. There were no clinical signs.</td>
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<td></td>
</tr>
</tbody>
</table>

<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- (this report - submitted)</td>
<td>-</td>
<td>MONTAUT</td>
<td>Farm</td>
<td>MONTAUT</td>
<td>43.1308</td>
<td>-0.199167</td>
<td>10/03/2017</td>
<td>21/03/2017</td>
</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>
</tr>
<tr>
<td>Birds</td>
<td>Animals</td>
<td>3200</td>
<td>0</td>
<td>0</td>
<td>3200</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Affected Population</td>
<td>Samples taken for a movement out of a zone. The National Reference Laboratory confirmed the presence of H5N1 virus.</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

### Outbreak summary: Total outbreaks = 21 (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>Birds</td>
<td>102887</td>
<td>1601</td>
<td>1594</td>
<td>101293</td>
<td>0</td>
</tr>
</tbody>
</table>

### Epidemiology

#### Epidemiological comments
- Zoning: protection (3 km) and surveillance (10 km) zones around the farms as well as additional low risk zoning.

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

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

#### Animals treated
- Vaccination Prohibited
- Animals treated No
  - Yes

#### Diagnostic test results
- Laboratory Type: National laboratory
- Name of Laboratory: National Reference Laboratory, Ploufragan
- Species: Birds
- Test Type: nucleotide sequencing
- Date results provided: 17/03/2017
- Result: Positive
<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, Ploufragan</td>
<td>Birds</td>
<td>real-time reverse transcriptase/polymerase chain reaction (RRT-PCR)</td>
<td>17/03/2017</td>
<td>Positive</td>
</tr>
</tbody>
</table>

**Future Reporting**

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