# Follow-up report No.: 2


## Report Summary

<table>
<thead>
<tr>
<th>Disease</th>
<th>Highly pathogenic avian influenza</th>
<th>Animal type</th>
<th>Terrestrial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Causal Agent</td>
<td>Highly pathogenic avian influenza virus</td>
<td>Serotype(s)</td>
<td>H5N1</td>
</tr>
<tr>
<td>Clinical Signs</td>
<td>Yes</td>
<td>Reason</td>
<td>Recurrence of a listed disease</td>
</tr>
<tr>
<td>Date of first confirmation of the event</td>
<td>07/12/2010</td>
<td>Date of Start of Event</td>
<td>29/11/2010</td>
</tr>
<tr>
<td>Date of report</td>
<td>02/01/2011</td>
<td>Date Submitted To OIE</td>
<td>02/01/2011</td>
</tr>
<tr>
<td>Diagnosis</td>
<td>Laboratory (basic), Laboratory (advanced)</td>
<td>Date Of Last Occurrence</td>
<td>15/05/2008</td>
</tr>
<tr>
<td>Number Of Reported Outbreaks</td>
<td>Submitted= 6, Draft= 0</td>
<td>Name of Sender of the report</td>
<td>Dr Kiyoon Chang</td>
</tr>
</tbody>
</table>

## Address

Quarantine Policy Division
Food Safety & Consumer Affairs Policy Bureau
MIFAFF (Ministry of Food, Agriculture, Forestry and Fisheries)
Government Complex Gwacheon
Jungang-Dong 1, Gwacheon
Gyeonggi -Do 417-719 Gyeonggi -Do

Telephone  (82-2) 500 21 15
Fax (82-2) 504 94 27
Entered by Dr Kiyoon Chang

## Outbreak (other report - submitted)

### Province: JEOLLABUK-DO

#### District: Iksan city

<table>
<thead>
<tr>
<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>Chunpo-myun</td>
<td>Not applicable</td>
<td>Chunpo-ri</td>
<td>35.53469</td>
<td>126.669188</td>
<td>29/11/2010</td>
<td>07/12/2010</td>
</tr>
</tbody>
</table>

#### Species: Wild species

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animals</td>
<td>39</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Affected Population

Anas platyrhynchos (mallard duck)

### Province: CHUNGCHEONGNAM-DO

#### District: Seosan city

<table>
<thead>
<tr>
<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>Buseok-myun</td>
<td>Not applicable</td>
<td>Chang-n</td>
<td>36.380655</td>
<td>126.221268</td>
<td>29/11/2010</td>
<td>10/12/2010</td>
</tr>
</tbody>
</table>

#### Species: Wild species

<table>
<thead>
<tr>
<th>Measuring units</th>
<th>Susceptible</th>
<th>Cases</th>
<th>Deaths</th>
<th>Destroyed</th>
<th>Slaughtered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animals</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

#### Affected Population

Bubo bubo (eagle owl)
### Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Province</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>JEOLLANAM-DO</td>
<td>Haenam-gun</td>
<td>Sani-myun</td>
<td>Not applicable</td>
<td>Dukho-ri</td>
<td>34.6306</td>
<td>126.4644</td>
<td>22/12/2010</td>
<td></td>
</tr>
</tbody>
</table>

**Species**
- Wild species

**Measuring units**
- Animals

**Susceptible**
- 74

**Cases**
- 20

**Deaths**
- 20

**Destroyed**
- 0

**Slaughtered**
- 0

**Affected Population**
- Anas platyrhynchos (mallard duck) found dead

### Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Province</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>GYEONGSANGNAM-DO</td>
<td>Sacheon city</td>
<td>Yonghyeon-myun</td>
<td>Not applicable</td>
<td>Jumoon-ri</td>
<td>35</td>
<td>128.0508</td>
<td>26/12/2010</td>
<td></td>
</tr>
</tbody>
</table>

**Species**
- Wild species

**Measuring units**
- Animals

**Susceptible**
- 5

**Cases**
- 1

**Deaths**
- 1

**Destroyed**
- 0

**Slaughtered**
- 0

**Affected Population**
- Anas platyrhynchos (mallard duck) found dead

### Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Province</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>JEOLLABUK-DO</td>
<td>Iksan city</td>
<td>Mangseong-myun</td>
<td>Farm</td>
<td>Muhyeong-ri</td>
<td>36.064585</td>
<td>127.023646</td>
<td>29/12/2010</td>
<td></td>
</tr>
</tbody>
</table>

**Species**
- Birds

**Measuring units**
- Animals

**Susceptible**
- 17000

**Cases**
- 5

**Deaths**
- 5

**Destroyed**
- 16995

**Slaughtered**
- 0

**Affected Population**
- Chickens

### Outbreak (this report - submitted)

<table>
<thead>
<tr>
<th>Province</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>CHUNGCHEONGNAM-DO</td>
<td>Cheonan city</td>
<td>Poongse-myun</td>
<td>Farm</td>
<td>Poongseo-ri</td>
<td>36.438021</td>
<td>127.072233</td>
<td>29/12/2010</td>
<td></td>
</tr>
</tbody>
</table>

**Species**
- Birds

**Measuring units**
- Animals

**Susceptible**
- 10850

**Cases**
- 1

**Deaths**
- 1

**Destroyed**
- 10849

**Slaughtered**
- 0

**Affected Population**
- A duck

### Outbreak summary: Total outbreaks = 6 (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>Wild species</td>
<td>118</td>
<td>24</td>
<td>23</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Birds</td>
<td>27850</td>
<td>6</td>
<td>6</td>
<td>27844</td>
<td>0</td>
</tr>
</tbody>
</table>

### Epidemiology

**Epidemiological comments**

Dead bodies of wild mallard ducks were reported to the local authorities. Test in the NVROS detected H5N1 HPAI virus antigen from some samples. The area within 10km radius from the detection spot was put under movement control. Disinfection and clinical surveillance in that area has been intensified.

There were also notifications about suspected HPAI cases from farms. Those were proved as HPAI virus H5N1 subtype in the NVROS. The poultry in the affected farms were culled. Disinfection and clinical surveillance in the area within 10km radius from the affected farms were enhanced.

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

- Control of wildlife reservoirs
- Stamping out
- Movement control inside the country
- Screening
- Zoning
- Disinfection of infected premises/establishment(s)

Animals treated: No

To be applied

- No Planned Control Measures

Vaccination Prohibited: Yes

Country / Zone

Country or zone: a zone or compartment

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 Veterinary Research and Quarantine Service (NVRAQS)</td>
<td>Birds</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>31/12/2010</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>National Veterinary Research and Quarantine Service (NVRAQS)</td>
<td>Wild species</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>01/01/2011</td>
<td>Positive</td>
</tr>
<tr>
<td>National laboratory</td>
<td>National Veterinary Research and Quarantine Service (NVRAQS)</td>
<td>Wild species</td>
<td>reverse transcription - polymerase chain reaction (RT-PCR)</td>
<td>28/12/2010</td>
<td>Positive</td>
</tr>
</tbody>
</table>

Future Reporting

What further reports will be submitted in relation to this event?

There are 4 outbreaks that are still recorded as unresolved. It is not possible to declare this event resolved until these individual outbreaks are resolved.

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