Follow-up report No.8

Report Summary
Name of sender of the report: Dr Karma Dukpa
Position: Director General
Address: Post Box N°113 Thimphu THIMPHU
Date submitted to OIE: 11/01/2013

Animal type: Terrestrial
Disease: Highly pathogenic avian influenza
Causal Agent: Highly pathogenic avian influenza virus
Serotype(s): H5N1

Reason: Reoccurrence of a listed disease

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

Number of reported outbreaks submitted= 13, Draft= 0

<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>
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<tbody>
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| Affected Population: A backyard poultry farm adjacent to the national highway

<table>
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<th>District</th>
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| Affected Population: A backyard poultry farm adjacent to the national highway.

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<th>Province</th>
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<th>Start Date</th>
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| Affected Population: A backyard poultry farm adjacent to the national highway.

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<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
<th>District</th>
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| Affected Population: The new cases have occurred in backyard poultry in Mebesa village located above the district road off the national highway in Chhukha district.

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Printed on: Fri Jan 11 15:09:12 CET 2013
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<th>Longitude</th>
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<th>Province</th>
<th>Number of outbreaks</th>
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<th>Sub-district</th>
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<th>Location</th>
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<td>Cases</td>
<td>Deaths</td>
<td>Destroyed</td>
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<th>Province</th>
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<th>District</th>
<th>Sub-district</th>
<th>Unit Type</th>
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<th>Longitude</th>
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<td>Cases</td>
<td>Deaths</td>
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<th>Province</th>
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<th>Sub-district</th>
<th>Unit Type</th>
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<th>Longitude</th>
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<th>End Date:</th>
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<td>Rinchending</td>
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<td>Deaths</td>
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Follow-up report No.: 8, Report reference: BHT_HPAI_2012_01, OIE Ref: 12854, Report Date: 11/01/2013, Country: Bhutan
Affected Population: Backyard free-ranging local chickens at Rinchending village. The affected village is located beside the Thimphu-Phuentsholing highway about 5 kilometres from Phuentsholing town.

<table>
<thead>
<tr>
<th>Province</th>
<th>Number of outbreaks</th>
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<th>Sub-district</th>
<th>Unit Type</th>
<th>Location</th>
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<th>Longitude</th>
<th>Start Date</th>
<th>End Date</th>
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<tr>
<td>Dagana</td>
<td>(this report - submitted)</td>
<td>Dagana</td>
<td>Lhamizingkha</td>
<td>Village</td>
<td>Farm Goan</td>
<td>26.974</td>
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</table>

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
--------|-----------------|-------------|-------|--------|-----------|-------------|
Birds    | Animals         | 970         | 18    | 18     | 952       | 0           |

Affected Population: From 19 to 30 December 2012, 18 poultry died in a backyard. All the birds were free-ranging birds. Ten birds had died in the village about a month before, but it was not reported at that time. Seven samples were collected from the five houses in the vicinity which include 93 free-ranging birds and were sent to the National Centre for Animal Health (NCAH) for real-time PCR; two were positive.

Outbreak summary: Total outbreaks = 13 (Submitted)

Species | Measuring units | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
--------|-----------------|-------------|-------|--------|-----------|-------------|
Birds    |                | 8599        | 438   | 412    | 6623      | 0           |

Epidemiology

Epidemiological comments
Up to 31 December 2012 a total of 18 poultry died in the affected area. Trace-back investigations revealed that there have been poultry deaths in the area from 19 December 2012 although they were not reported immediately to the local veterinary authorities. The disease was confirmed through real-time PCR at the National Veterinary Laboratory on 29 December when two carcasses were positive to tests.

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

Measures applied

Applied | To be applied
--------|--------------
• stamping out | • no planned control measures
• quarantine
• movement control inside the country
• screening
• disinfection of infected premises/establishment(s)
• dipping / spraying

Animals treated

Vaccination Prohibited

Diagnostic test results

<table>
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<th>Laboratory Type</th>
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<th>Date Results Provided</th>
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Future Reporting

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

Follow-up report No.: 8, Report reference: BHT_HPAI_2012_01, OIE Ref: 12854, Report Date: 11/01/2013, Country: Bhutan