### Report Summary

<table>
<thead>
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<tr>
<td>Date submitted to OIE</td>
<td>16/11/2018</td>
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#### Animal Type
- **Type**: Terrestrial
- **Date of report**: 16/11/2018

#### Disease
- **Disease**: Highly pathogenic avian influenza
- **Date of start of the event**: 09/08/2018
- **Date of confirmation of the event**: 11/08/2018
- **Serotype(s)**: H5N2
- **Date of last occurrence**: 13/03/2018

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

#### Country or zone
- **Country or zone**: a zone or compartment
- **Clinical signs**: Yes
- **Number of reported outbreaks**: submitted= 1, Draft= 0

### Outbreak details

#### Province
- **Kostromskaya Oblast**
  - **Number of outbreaks**: 1
  - **District**: Kostromskoy
  - **Sub-district**: Farm
  - **Location**: Harino
  - **Susceptible Species**: Birds
    - **Measuring units**: 498485
    - **Cases**: 416439
    - **Deaths**: 416439
    - **Killed and disposed of**: 82046
    - **Slaughtered**: 0

### Outbreak summary: Total outbreaks = 1 (Submitted)

#### Species
- **Birds**: 498485
- **Cases**: 416439
- **Deaths**: 416439
- **Killed and disposed of**: 82046
- **Slaughtered**: 0

### Epidemiology

#### Epidemiological comments
The virus isolate was identified as H5N2 subtype by PCR and nucleotide sequencing. The comparative analysis of the obtained nucleotide sequences of the H gene and N gene fragments revealed that the isolate belongs to the Asian genetic lineage of highly pathogenic avian influenza (Clade 2.3.4.4.) which spread in the Russian Federation as well as in Asian, European, Middle Eastern and African countries in 2016-2018. The hemagglutinin cleavage site has a -REKRRKRLGF- structure, characterizing the virus as potentially highly virulent.

### Measures applied

#### Applied
- **Movement control inside the country**
- **Surveillance within containment and/or protection zone**
- **Screening**
- **Quarantine**
- **Official disposal of carcasses, by-products and waste**
- **Stamping out**
- **Control of wildlife reservoirs**
- **Disinfection**
- **No planned control measures**

#### Animals treated
- **Vaccination Prohibited**: Yes

### Future Reporting
The report and all its outbreaks have been resolved.
Outbreak maps