

A large flock of cranes is captured in flight against a clear, pale blue sky. The birds are scattered across the frame, with some appearing as dark silhouettes and others as lighter shapes. In the background, a range of mountains is visible, their peaks softened by a light haze. The overall scene conveys a sense of natural beauty and the seasonal migration of these birds.

# Hooded cranes and White-naped cranes in Japan

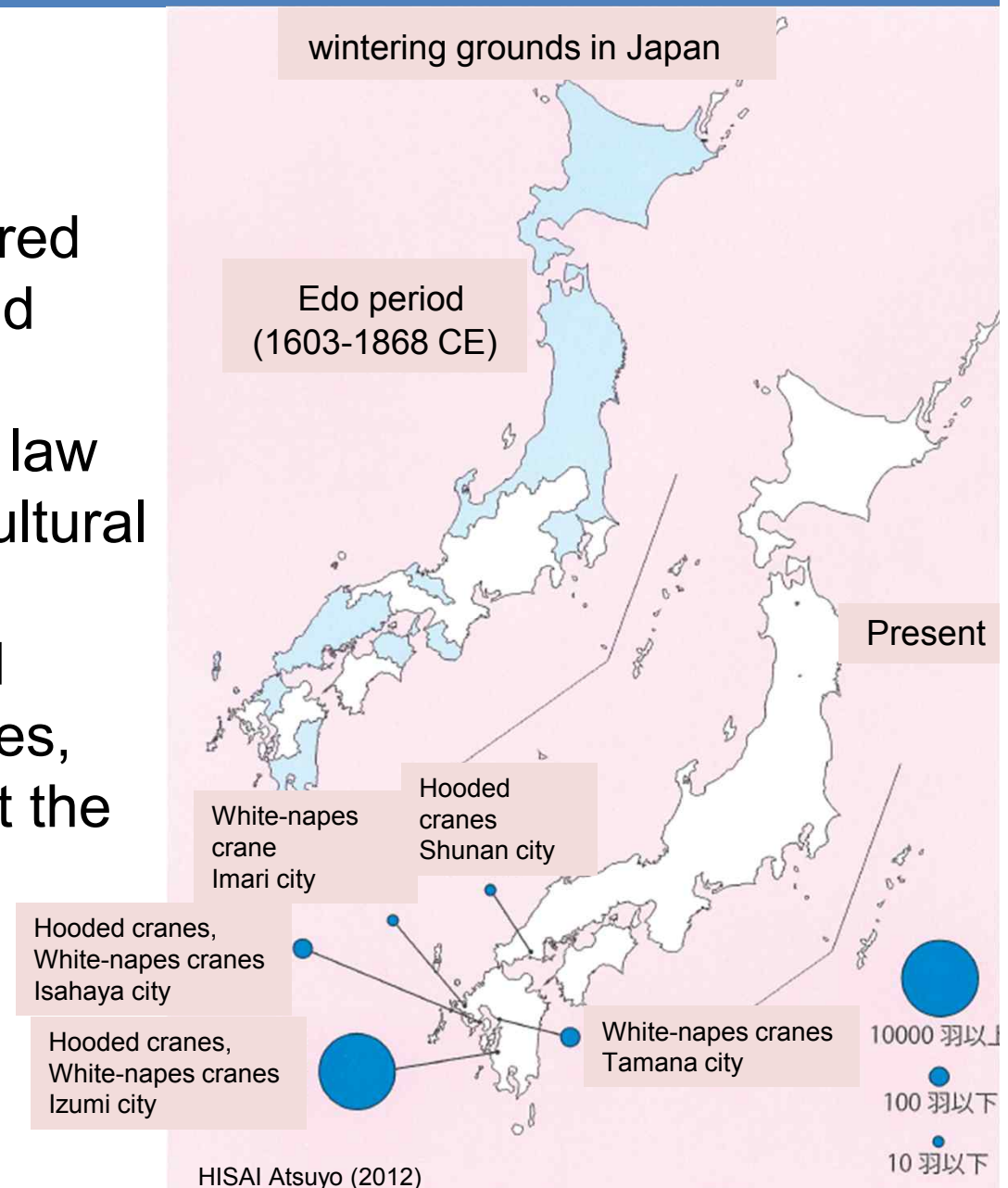
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Yasuko Neagari

Ministry of the Environment (MOE), Government of Japan

# The status of hooded cranes and White-naped cranes in Japan

- International endangered species of the Act on Conservation of Endangered Species of Wild Fauna and Flora
- Natural monument by the law for the Conservation of Cultural Property
- more than 10,000 hooded cranes, white-naped cranes, and other cranes winter at the same location in Izumi, Kagoshima pref.



# Results of the monitoring of dead birds in 2010 to 2011 season (Oct.-May)

| Order                       | Species                             | Scientific name                  | Sample No. | Positive No. | Order         | Species                         | Scientific name                       | Sample No.   | Positive No. |
|-----------------------------|-------------------------------------|----------------------------------|------------|--------------|---------------|---------------------------------|---------------------------------------|--------------|--------------|
| Anseriformes                | Tufted duck                         | <i>Aythya fuligula</i>           | 227        | 12           | Gruiformes    | Hooded crane                    | <i>Grus monacha</i>                   | 37           | 7            |
|                             | Northern Pintail                    | <i>Anas acuta</i>                | 43         | 1            |               | White-necked crane              | <i>Grus vipio</i>                     | 7            |              |
|                             | Mallard                             | <i>Anas platyrhynchos</i>        | 289        |              |               | crane                           |                                       | 1            |              |
|                             | Greater Scaup                       | <i>Aythya marila</i>             | 13         | 1            |               | Black coot                      | <i>Fulica atra</i>                    | 36           |              |
|                             | Spotbill duck                       | <i>Anas poecilorhyncha</i>       | 39         |              |               | Common Moorthen                 | <i>Gallinula chloropus</i>            | 4            |              |
|                             | Gadwall                             | <i>Anas strepera</i>             | 4          |              |               | Grey heron                      | <i>Ardea cinerea</i>                  | 742          | 1            |
|                             | Common Teal                         | <i>Anas crecca</i>               | 46         |              |               | Great egret, intermediate egret | <i>Ardea alba, A. intermedia</i>      | 98           |              |
|                             | Wigeon                              | <i>Anas penelope</i>             | 21         |              |               | Little egret                    | <i>Egretta garzetta</i>               | 115          |              |
|                             | Common pochard                      | <i>Anthya ferina</i>             | 68         | 3            |               | Night heron                     | <i>Nycticorax nycticorax</i>          | 308          |              |
|                             | Mandarin duck                       | <i>Aix galericulata</i>          | 75         | 11           |               | unclassified                    |                                       | 20           |              |
|                             | Falcated duck                       | <i>Anas falcata</i>              | 2          |              |               | Crested ibis                    | <i>Nipponia nippon</i>                | 1            |              |
|                             | Harlequin duck                      | <i>Histrionicus histrionicus</i> | 2          |              |               | Jungle Crow, Carrion crow, crow | <i>Corvus macrorhynchos C. corone</i> | 1525         |              |
|                             | Commons shoveler                    | <i>Anas clypeata</i>             | 3          |              |               | Barn Swallow                    | <i>Hirundo rustica</i>                | 1            |              |
|                             | Common Merganser                    | <i>Mergus merganser</i>          | 2          |              |               | Black-faced bunting             | <i>Emberiza spodecephala</i>          | 1            |              |
|                             | Whooper swan                        | <i>Cygnus cygnus</i>             | 208        | 6            |               | Japanese Bush Warbler           | <i>Cettia diphone</i>                 | 2            |              |
|                             | Tundra swan                         |                                  |            |              |               |                                 | <i>ceus</i>                           | 7            |              |
|                             | Swan                                |                                  |            |              |               |                                 | <i>taurotis</i>                       | 127          |              |
| Greater white-fronted goose |                                     |                                  |            |              | <i>us</i>     | 39                              |                                       |              |              |
| Bean goose                  |                                     |                                  |            |              | <i>idatus</i> | 1                               |                                       |              |              |
| Aleutian Canada goose       |                                     |                                  |            |              | <i>onicus</i> | 9                               |                                       |              |              |
| Garganey                    |                                     |                                  |            |              | <i>s</i>      | 26                              |                                       |              |              |
| unclassified                |                                     |                                  |            |              | <i>nni</i>    | 23                              |                                       |              |              |
| Falconiformes               | Black Kite                          |                                  |            |              |               |                                 | 3                                     |              |              |
|                             | Mountain Hawk                       |                                  |            |              |               | <i>na</i>                       | 5                                     |              |              |
|                             | Northern Goshawk                    |                                  |            |              |               | <i>tarius Linnaeus</i>          | 3                                     |              |              |
|                             | Grey-faced buzzard                  |                                  |            |              |               | <i>uroreus</i>                  | 1                                     |              |              |
|                             | Eastern marsh hawk                  |                                  |            |              |               |                                 |                                       |              |              |
|                             | Eastern Buzzard                     |                                  |            |              |               |                                 |                                       |              |              |
|                             | White-tailed eagle                  |                                  |            |              |               |                                 |                                       |              |              |
|                             | Sparrowhawk                         | <i>Accipiter nisus</i>           | 4          |              |               |                                 |                                       |              |              |
|                             | unclassified                        |                                  | 3          |              |               |                                 |                                       |              |              |
|                             | Peregrine Falcon                    | <i>Falco peregrinus</i>          | 27         | 9            |               |                                 |                                       |              |              |
| Common Kestrel              | <i>Falco tinnunculus</i>            | 23                               |            |              |               |                                 |                                       |              |              |
| Strigiformes                | Ural owl                            | <i>Strix uralensis</i>           | 9          | 1            |               |                                 |                                       |              |              |
|                             | Short-eared Owl                     | <i>Asio flammeus</i>             | 1          |              |               |                                 |                                       |              |              |
|                             | Ryukyu scops owl                    | <i>Otus elegans</i>              | 1          |              |               |                                 |                                       |              |              |
|                             | Eurasian Scops-owl                  | <i>Otus scops</i>                | 7          |              |               |                                 |                                       |              |              |
|                             | Black-headed gull                   | <i>Larus ridibundus</i>          | 19         | 1            |               |                                 |                                       |              |              |
| Charadriiformes             | Black-tailed gull                   | <i>Larus crassirostris</i>       | 1          |              |               |                                 |                                       |              |              |
|                             | Common gull                         | <i>Larus canus</i>               | 2          |              |               |                                 |                                       |              |              |
|                             | Swinhoe's Snipe                     | <i>Gallinago megala</i>          | 2          |              |               |                                 |                                       |              |              |
|                             | Little ringed plover                | <i>Charadrius dubius</i>         | 1          |              |               |                                 |                                       |              |              |
|                             | Grey-headed lapwing                 | <i>Vanellus cinereus</i>         | 1          |              |               |                                 |                                       |              |              |
| Podicipediformes            | Little grebe                        | <i>Tachybaptus ruficollis</i>    | 18         | 2            |               |                                 |                                       |              |              |
|                             | Great Crested Grabe                 | <i>Podiceps cristatus</i>        | 15         | 1            |               |                                 |                                       |              |              |
|                             | Black-necked Grabe                  | <i>P. nigricollis</i>            | 1          |              |               |                                 |                                       |              |              |
| Gruiformes                  | unclassified                        |                                  |            |              |               |                                 |                                       |              |              |
|                             | Eurasian siskin                     |                                  |            |              |               |                                 |                                       |              |              |
|                             | Japanese Pied wagtail               |                                  |            |              |               |                                 |                                       |              |              |
|                             | Japanese Wagtail                    |                                  |            |              |               |                                 |                                       |              |              |
|                             | Red-billed leiothrix                |                                  |            |              |               |                                 |                                       |              |              |
|                             | Great Cormorant, Japanese Cormorant |                                  |            |              |               |                                 |                                       |              |              |
|                             | Streaked shearwater                 |                                  |            |              |               |                                 |                                       |              |              |
|                             | Pacific Diver                       |                                  |            |              |               |                                 |                                       |              |              |
|                             | Eastern turtle dove                 |                                  |            |              |               |                                 |                                       |              |              |
|                             | Rock dove                           | <i>Columba livia</i>             | 14         |              |               |                                 |                                       |              |              |
| Columbiformes               | White-bellied green-pigeon          | <i>Treron sieboldii</i>          | 3          |              |               |                                 |                                       |              |              |
|                             | dove                                |                                  | 9          |              |               |                                 |                                       |              |              |
| Galliformes                 | Japanese pheasant                   | <i>Phasianus versicolor</i>      | 3          |              |               |                                 |                                       |              |              |
|                             | Chinese bamboo partridge            | <i>Bambusicola thoracicus</i>    | 1          |              |               |                                 |                                       |              |              |
| unclassified                |                                     |                                  |            |              |               |                                 | 107                                   |              |              |
| <b>Total</b>                |                                     |                                  |            |              |               |                                 |                                       | <b>4,918</b> | <b>60</b>    |

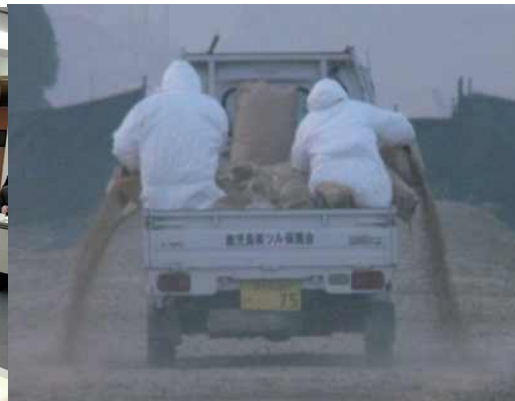
HPAIV H5N1 was detected from 7 hooded cranes from 2010 to 2011





# Challenges for the decentralization of crane population

- High concentrated population has risks of infectious disease outbreaks
- Investigative commissions for the decentralization of the crane population has been held →to avoid the infectious risks
- ornithologist, NGOs, experts of environmental sociology, wildlife management, local governments (city, prefecture), national government



# Activities and researches related to the decentralization

- Made brochures about decentralization of the wintering spots: promote environmental improvement
- Questionnaire survey for possible wintering spots in Japan: 90% accept, but Ag damage and HPAI
- Wintering spots surveillance
- Investigation of the wintering behavior at no feeding spots
- Estimation of possible of wintering spots
- Investigation of safety methods to capture for transfer and research



Require prior consultations with local governments and researchers concerned



A large flock of swans, including both white and grey varieties, is gathered in a field. In the background, there is a house with a blue roof and some trees. The scene is captured in a slightly hazy, overcast light.

Thank you for your attention!



# Background of coping with HPAI in wild birds in Japan







## Background of coping with HPAI in wild birds in Japan

- 2004 infected crows were confirmed around the chicken farms which had HPAI outbreaks (secondary infection)
- 2007 a Mountain hawk-eagle
- 2008 Whooper swans
- 2008 Manual of technique and coping with HPAI in wild birds for local governmental agencies
  - start nation-wide surveillance
- 2010-2011 outbreaks in wild birds (15 species, 60 birds), domestic birds → revise the manual

# International crane symposium in Izumi in 2014

- Izumi city will hold the International Crane Symposium in Izumi during 17th and 18th January 2014
- Crane researchers from Korea, Russia, China, ICF, other organizations related to cranes will attend the symposium
- the mayors of Izumi, Shunan, Toyooka, and Sado will also attend
- Izumi city will update the information of the symposium soon.
- anyone will be welcome to attend the symposium

