



REPUBLIC OF ESTONIA  
AGRICULTURE AND FOOD BOARD

# Highly pathogenic avian influenza in Estonia

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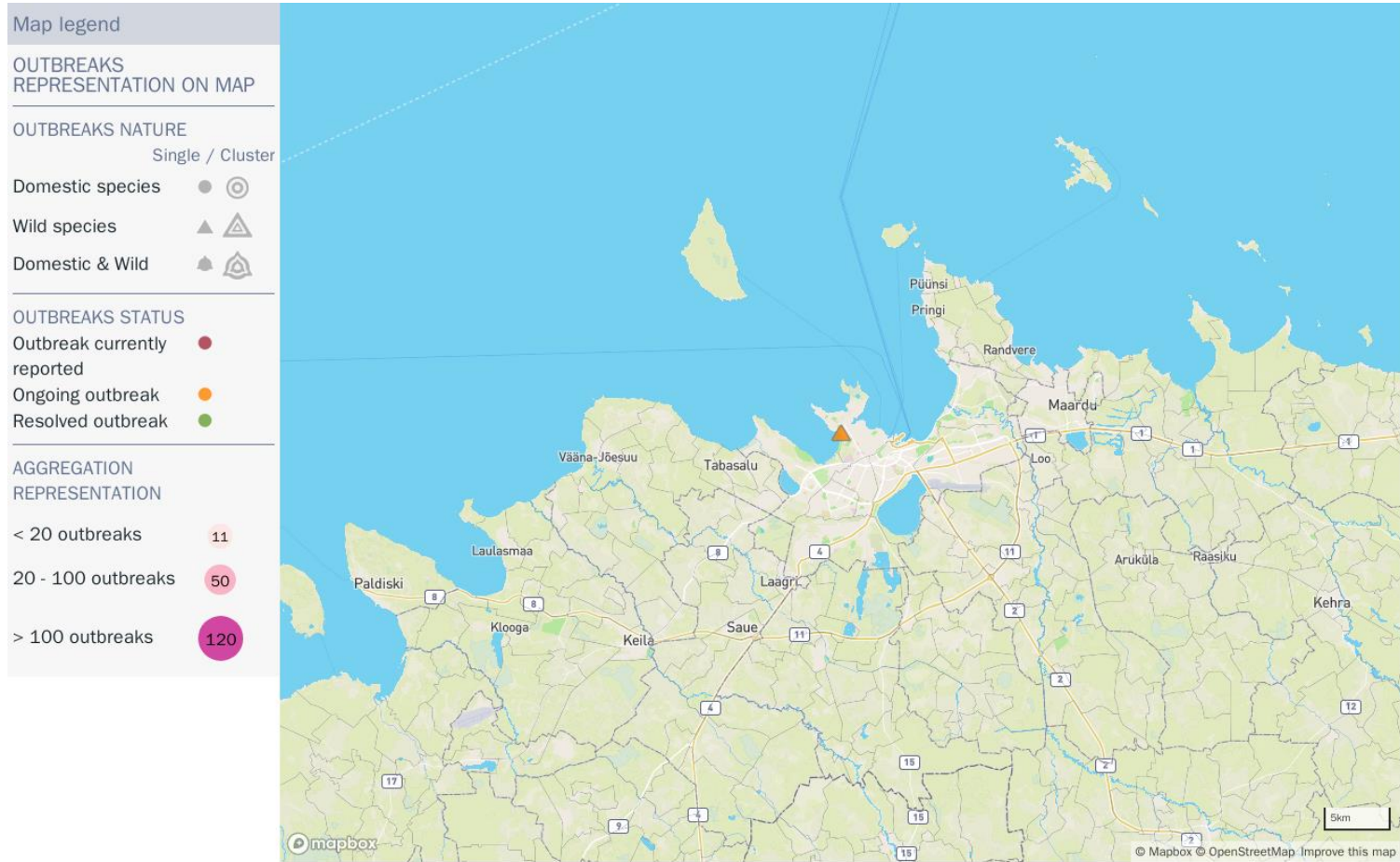
15.03.2021

# Chronology (1)

## First case of wild bird

- On the 9th of February 1 mute swan (*Cygnus olor*) was found exhausted on the beach of Stroomi, situated in Tallinn. The swan died afterwards.
- The cloacal swab sample was taken and sent for testing to the National Reference laboratory (Veterinary and Food Laboratory).
- On 12th of February the mute swan was tested positive by RT-PCR for Avian Influenza and HPAI H5N8 has been confirmed.
- Possible source of infection: movement of infected wild birds.

# Chronology (2)



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Outbreak locations have been provided by the relevant Veterinary Services and may not represent the exact location of an outbreak. OIE assumes no liability for the data displayed

# Chronology (3)

## Map with locations of 16 cases



# Positive cases of wild birds

- Until the date of the 12th of March 2021:
- 11 mute swans
- 3 unidentified swans
- 1 grey heron (*Ardea cinerea*)
- 4 mute swans (*Anas platyrhynchos*)



# Laboratory tests in wild birds

- RT-PCR tests: AI, H5, H7, N1, N8

Number of tests in wild birds	Total number of positive tests per bird	Number and type of positive samples per bird
79	16	Swabs 16

# HPAI in domestic birds (1)

## First outbreak

- On the 17th of February the owner (Lääne-Viru county) called the vet because some of the domestic birds died and others were depressed. It was a small backyard farm with 78 domestic birds in total (51 laying hens, 10 ducks, 4 geese, 5 turkeys, 8 guinea fowls).
- The vet notified local competent authority.
- The animal health officer took the tracheal swab samples from 2 turkeys, 2 guinea fowls and 1 laying hen. The samples were sent to Veterinary and Food Laboratory.
- On the 18th of February HPAI virus of subtype

# HPAI in domestic birds (2)

## First outbreak

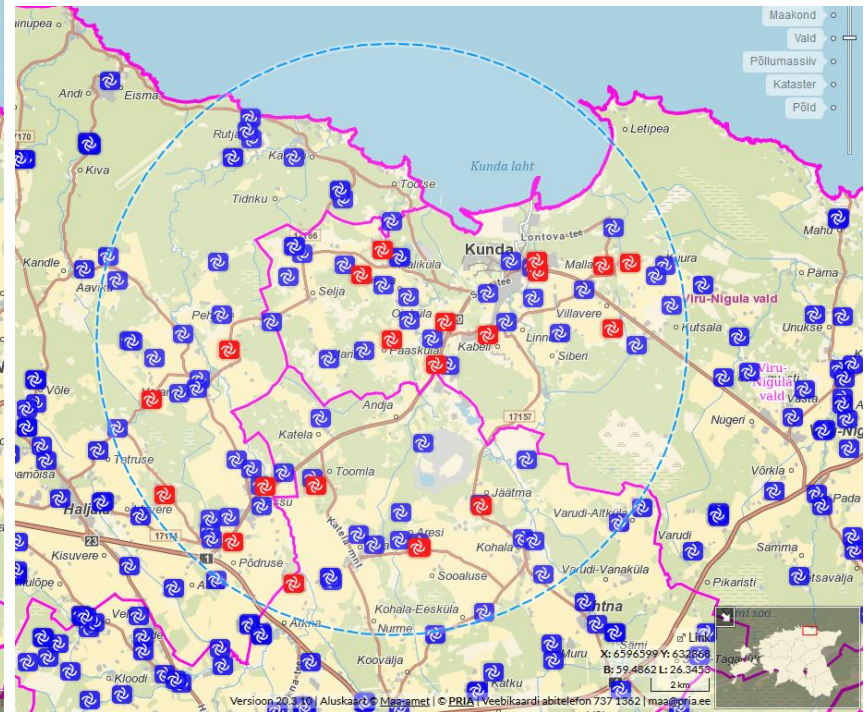
- Measures taken by VFB:
  - Restrictions on the farm, epidemiological investigation, notification
  - Zoning and restrictions on the farms in the zones
  - Destruction of the carcass in the rendering plant
  - Cleaning and disinfection of the farm
- Possible source of infection: contact with wild birds. Ducks and geese had free access to the pond there the mallards were seen.



# HPAI in domestic birds (3)

## First outbreak

- Location of the farms and zones





# Awareness campaigns:

- Leaflets by e-mail – directly to farmers and others dealing with birds
- TV, radio, press notices
- Special webpage  
<https://www.agri.ee/et/uudised-pressiinfo/linnugripp>
- Special column on webpage of AFB



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# Thank you!

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