



Ministry of Agriculture

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# **HPAI in Hungary**

**SCOPAFF**  
**16th April 2015**

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# H5N8 HPAI in Hungary



Békés county  
Füzesgyarmat

24/02/2015

# Outbreak holding

- 5 stables in the holding
- Stables No.1-4: empty
- Affected stable: No.5
- 22 000 fattening ducks
  - Population on 09/02/2015
  - Indoor technology





## Suspicion on 23rd February

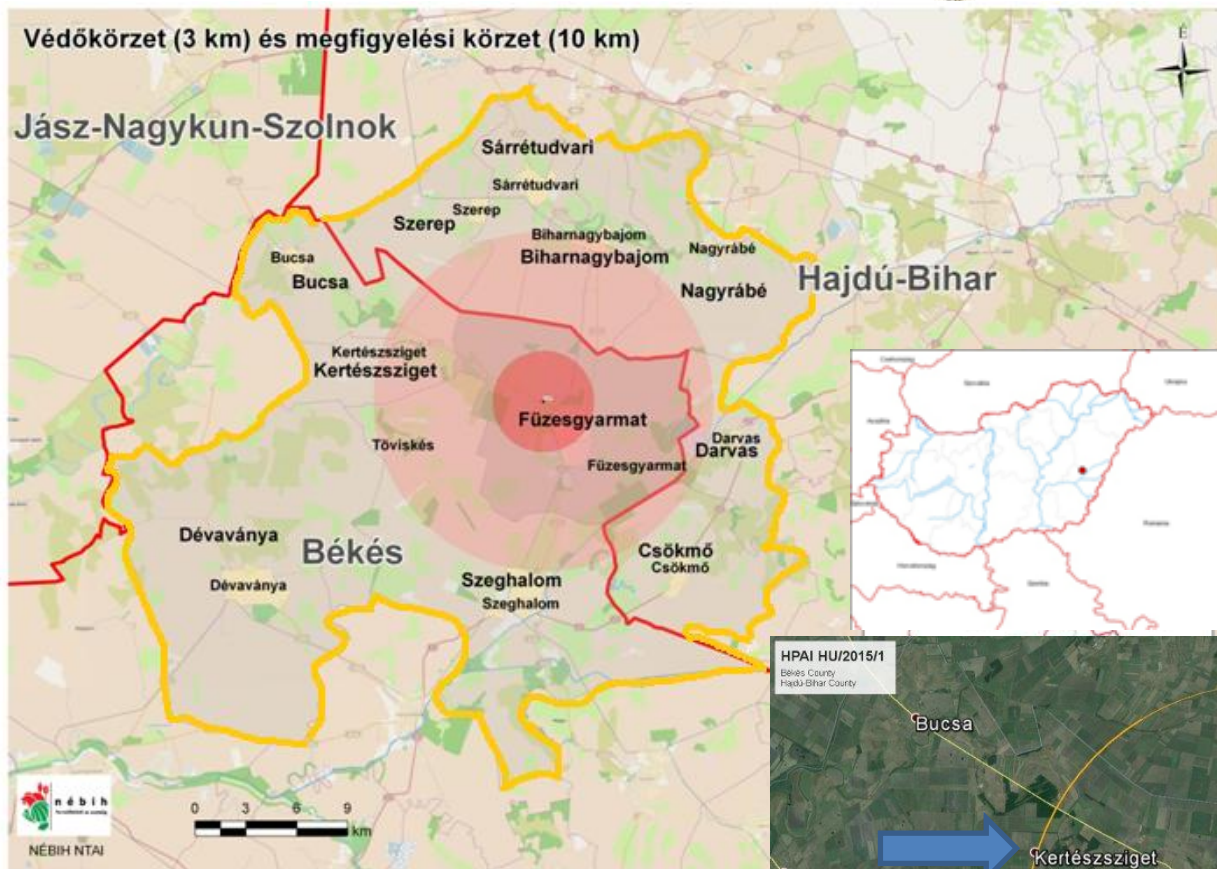
- 16 days old ducks
- Clinical signs (nasal discharge, neurological symptoms, increased mortality)
- Suspicion based on private vet's samples: 23/02/2015

## Confirmation on 24th February

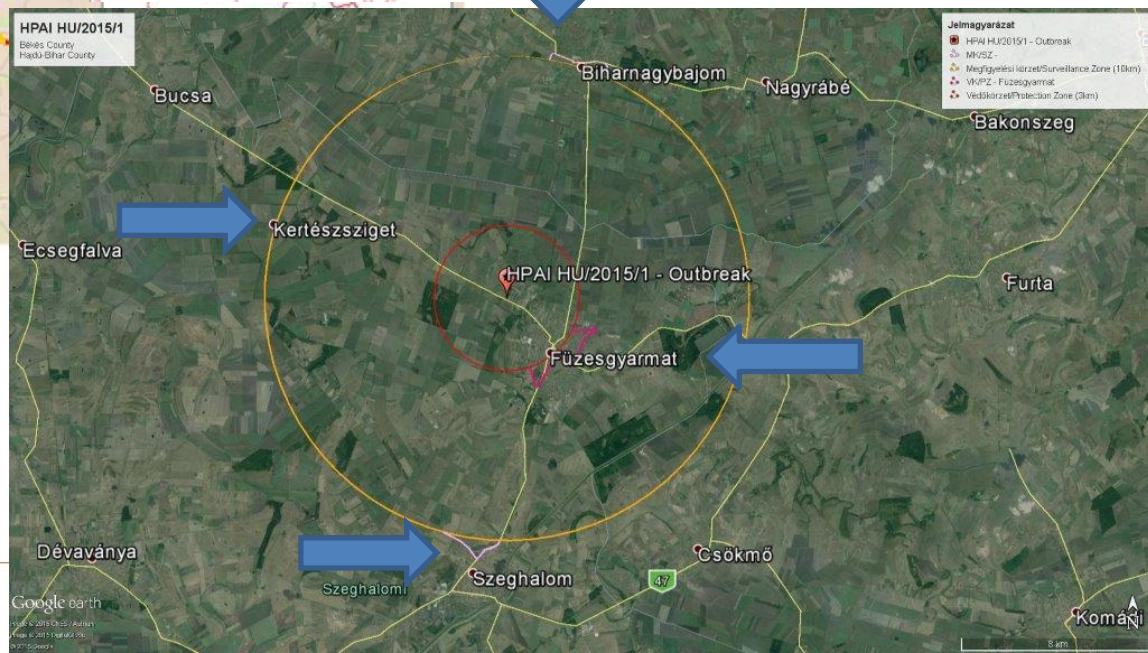
- Based on official samples taken on 23rd February
- First results: H5N8 by RT-PCR
- Next day: sequencing partial HA and NA sequence fragments
- The outbreak has been reported to the European Commission (ADNS 2015/1) and to the OIE
- Next weeks: whole genom sequencing has been performed.



# Definition of restricted zones



**Final**  
- no large scale  
holdings in the outruled  
territory



**Preliminary**

# Culling and safe disposal



- Affected holding: 22 000 ducks culled
- Contact holdings: 96 911 ducks culled
  - Close to the affected holding, same owner as of affected holding
  - Operated separately, distinct personnel and equipment
- Hatchery in protection zone: 42 500 day old ducks culled
  - No suspicion of disease in the day old ducks
  - Destination county rejected the consignment
- Started on 25th, completed on 28th
- Total number of culled birds: 161 411
- Method of culling: CO<sub>2</sub>, in containers
- Preliminary C&D: 4th of March
- Final C&D: 11th of March



# Epidemiology and tracing

- No poultry have been moved from the affected nor from the contact holdings to EU Member States or Third Countries
  - In the last 21 days the only transport was to a slaughterhouse in Békés county
  - The duck carcasses which had been transported to a meat processing plant in Bács-Kiskun county were seized and destroyed.
  - No products of flocks originating from the infected or contact holdings were moved from the meat processing plant
    - The carcasses and products of the ducks were destroyed.
    - The carcasses and products that were handled together with the above mentioned, were destroyed.
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# Epidemiology and tracing

- Origin of the animals: hatchery of the same owner
    - 1,5 km from outbreak holding
  - Parent flocks of hatching eggs are kept in free zone
    - no clinical signs
    - samples were taken, all results negative
      - unhatched eggs
      - blood samples from all unit
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# Official veterinary visits and census

- All large scale holdings have been visited in restricted zones
- All small scale holdings in 3 km PZ have been visited
- Census was made at all small scale holdings in 10 km SZ



Protection Zone of Avian Influenza

# Samples examined in the NRL

- 634 fallen poultry
  - 1243 eggs
  - 1681 blood samples
  - cloacal and tracheal swabs from 418 poultry
  - 35 fallen wild birds (passive surveillance)
  - cloacal and tracheal swabs from 309 wild birds (active monitoring)
  - **No further positive samples have been found.**
- } poultry
- } wild

## Lifting of restrictions

- 28th March – lifting restrictions of protection zone -> surveillance zone
- 7th April – lifting restrictions of surveillance zone

## Repopulation

- 9th April – repopulation of the outbreak holding at Füzesgyarmat
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# Epidemiology and tracing

- Source of infection
    - Still unknown
    - Strain similar to other European H5N8 strains
    - No transport to the affected holding from outside Hungary
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# Meeting of National AI Expert Group

- Partners invited (representatives of poultry industry, BirdLife Hungary)
  - Decisions:
    - Mandatory housing remains option
    - Need for vigilance and high standards of biosecurity
    - Active monitoring of wild birds to continue
    - Active monitoring of poultry populations to be timed evenly during the year
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# Thank you for your attention!

