



Ministry of Agriculture

HPAI in Hungary

SCOPAFF
5th March 2014



MINISTRY OF
AGRICULTURE

H5N8 HPAI in Hungary



Békés county
Füzesgyarmat

24/02/2015



MINISTRY OF
AGRICULTURE

H5N8 HPAI in Hungary

- Background
- Suspicion and confirmation
- Control measures
 - Ban on movement
 - Culling, disposal and cleaning&disinfection
- Epidemiologic investigation
 - Farm visits
 - Possible sources
 - Tracking of trade
- Fine definition of restricted zones





MINISTRY OF
AGRICULTURE

Outbreak holding

- 5 stables in the holding
- 4 stables empty
- Affected stable: No.5
- 22 000 fattening ducks
 - Population on 09/02/2015
 - Indoor technology
 - Originating from hatchery of same owner





Suspicion on 23rd February

- 16 days old ducks
 - Clinical signs
 - Nasal discharge
 - Neurological symptoms (torticollis)
 - 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 sequences are very closely related to the Asian and also to the four European H5N8 HPA AIV sequences reported so far.
- The outbreak has been reported
 - to the European Commission
 - in letter on 24th February
 - via ADNS on 25th February
 - to the OIE on 25th February





MINISTRY OF
AGRICULTURE

Control measures

in accordance with Council Directive 2005/94/EC

Preliminary
definition of
restricted
zones





MINISTRY OF
AGRICULTURE

Culling and safe disposal of the birds kept in the affected holding and in the contact holdings



Dairy
farm



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 February
 - Completed on 28th February
 - Total number of culled birds: 161 411
 - Method of culling: CO₂
 - End of disinfection: 4th of March
-



MINISTRY OF
AGRICULTURE

Culling and safe disposal of the birds kept in the affected holding and in the contact holdings





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.
-



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, laboratory analysis is ongoing
-



MINISTRY OF
AGRICULTURE

Epidemiology and tracing

- All **large scale** holdings have been visited in the restricted zones of Békés and Hajdú-Bihar county
 - three contact holdings and one hatchery in **protection zone**
 - 96 911 ducks and 42 500 day old ducks in total (all culled)
 - four large scale laying hen holdings in **surveillance zone**
 - 7150 laying hens in total
 - checked clinically with negative results





Epidemiology and tracing

- At all 190 **backyard farms** in protection zone census has been performed
 - Total number of birds: 4100
- Census of 1922 backyard farms in surveillance zone
 - still in progress in Békés county
 - estimated number of backyard farms: 305
 - estimated number of birds: 3900
 - completed in Hajdú-Bihar county
 - 1617 backyard farms, 32 221 birds
- No increased mortality was reported.





Epidemiology and tracing

Samples examined in the NRL since the outbreak:

- 141 fallen poultry
 - 1088 eggs
 - 400 blood samples
 - cloacal and tracheal swabs from 90 poultry
 - 5 fallen wild birds (passive surveillance)
 - cloacal and tracheal swabs from 215 wild birds (active monitoring)
 - No positive samples found other than the outbreak holding
-



Epidemiology and tracing

- Fishpond at 8 km distance
- No dead wild bird was found nearby up to now
- Nationwide active surveillance in wild birds: sampling started at the beginning of 2015
- Cooperation with BirdLife Hungary





Epidemiology and tracing

- Source of infection
 - Not known yet
 - Strain similar to other European H5N8 strains
 - No transport to the affected holding from outside Hungary
-



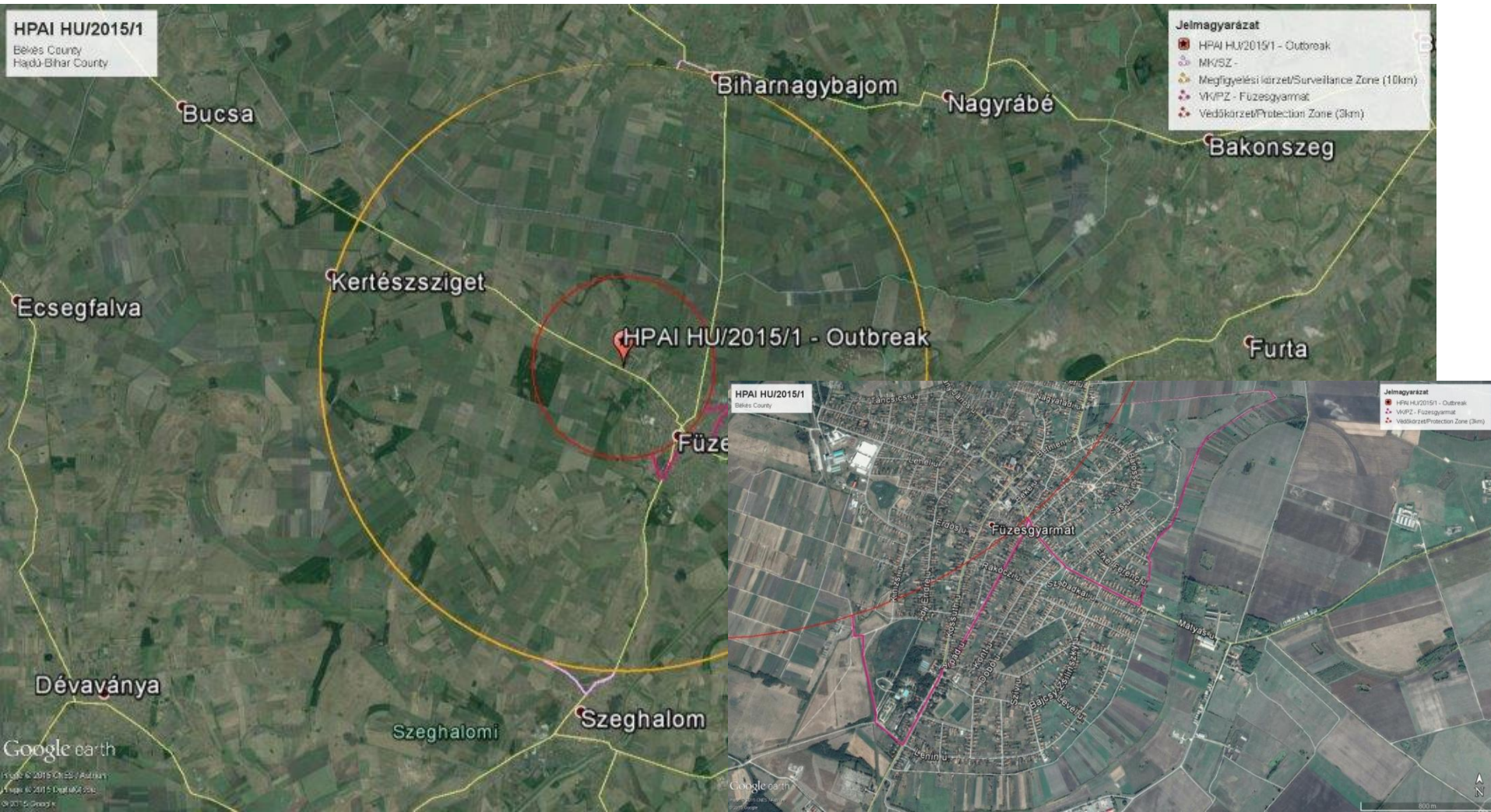
Emergency Fund

- Hungary has the intention to submit an application for financial contribution in relation to:
 - costs of compensation paid to owners for the value of their animals culled and products destroyed,
 - cost of cleaning and disinfection at affected holdings,
 - transfer and disposal of carcasses and
 - other emergency measures due to this outbreak of HPAI.
 - Legal base:
 - Regulation (EU) No 652/2014 of the European Parliament and of the Council
 - Commission Implementing Decision (EU) 2015/144
-



MINISTRY OF
AGRICULTURE

Fine definiton of protection zone





Protection zone





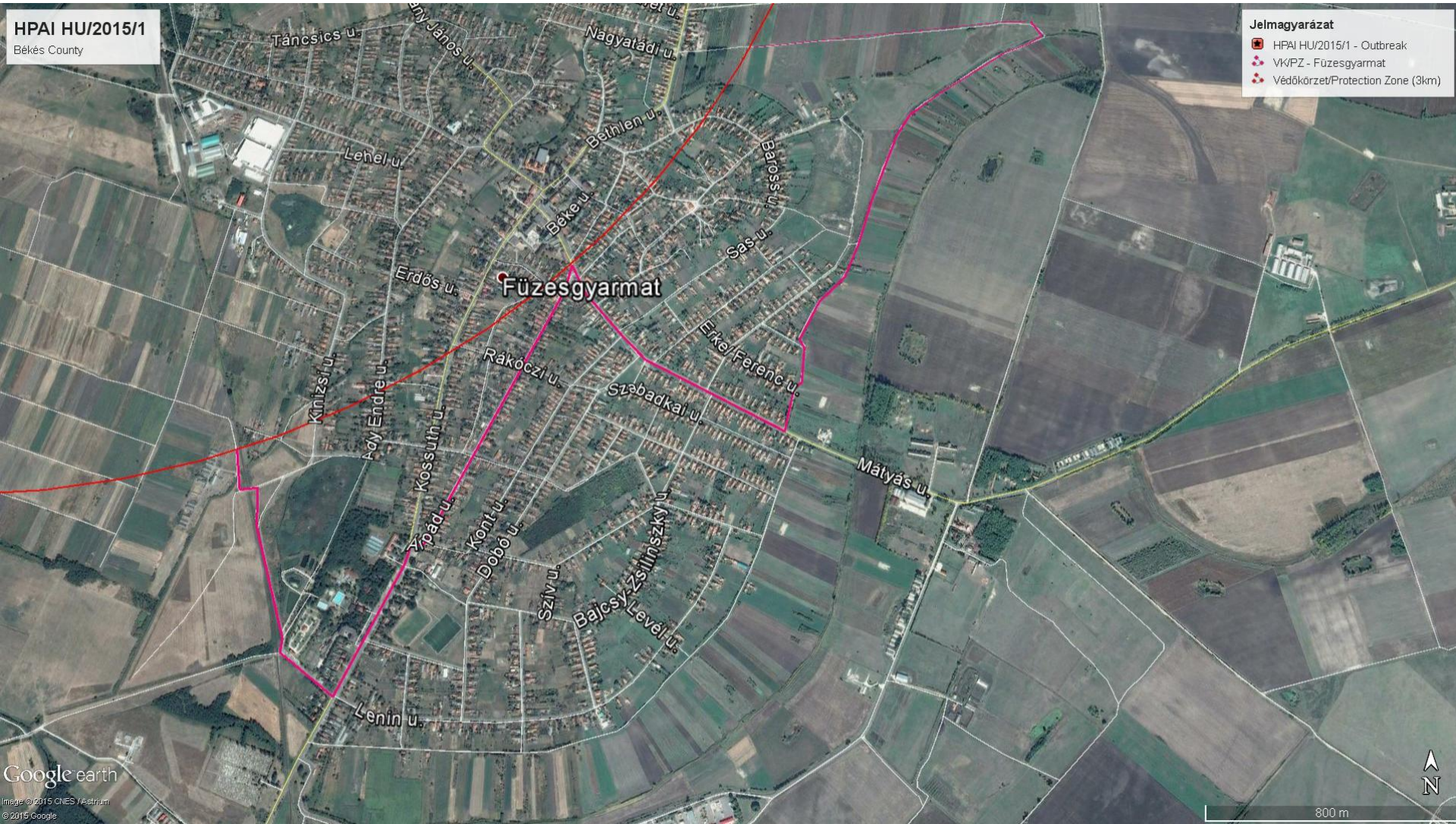
Füzesgyarmat

HPAI HU/2015/1

Békés County

Jelmagyarázat

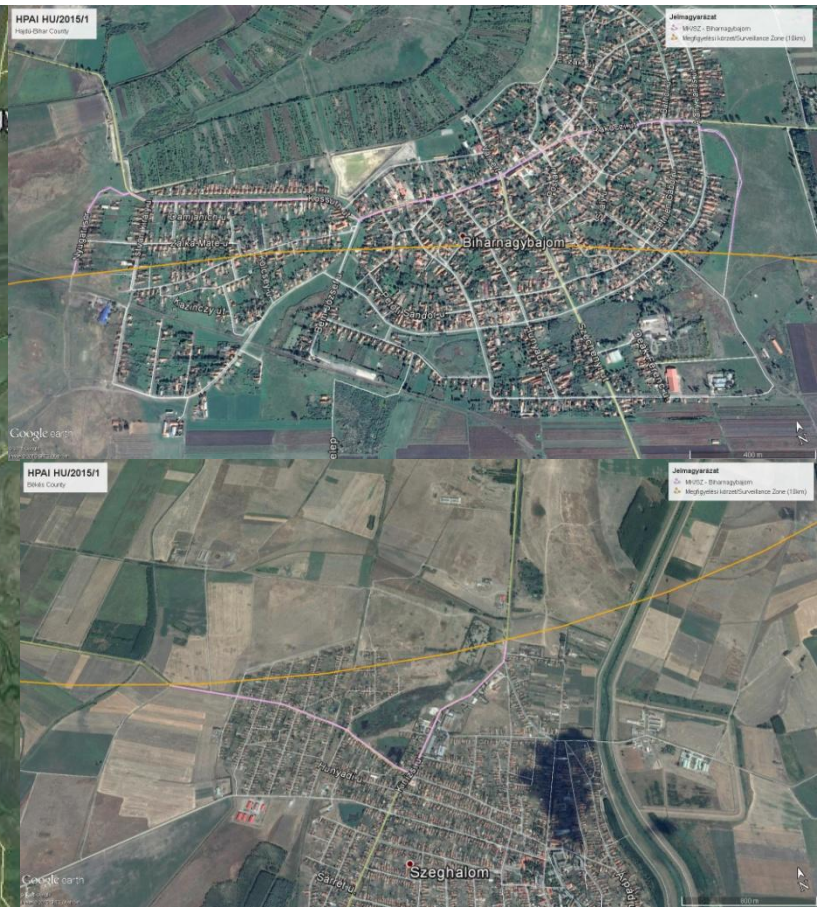
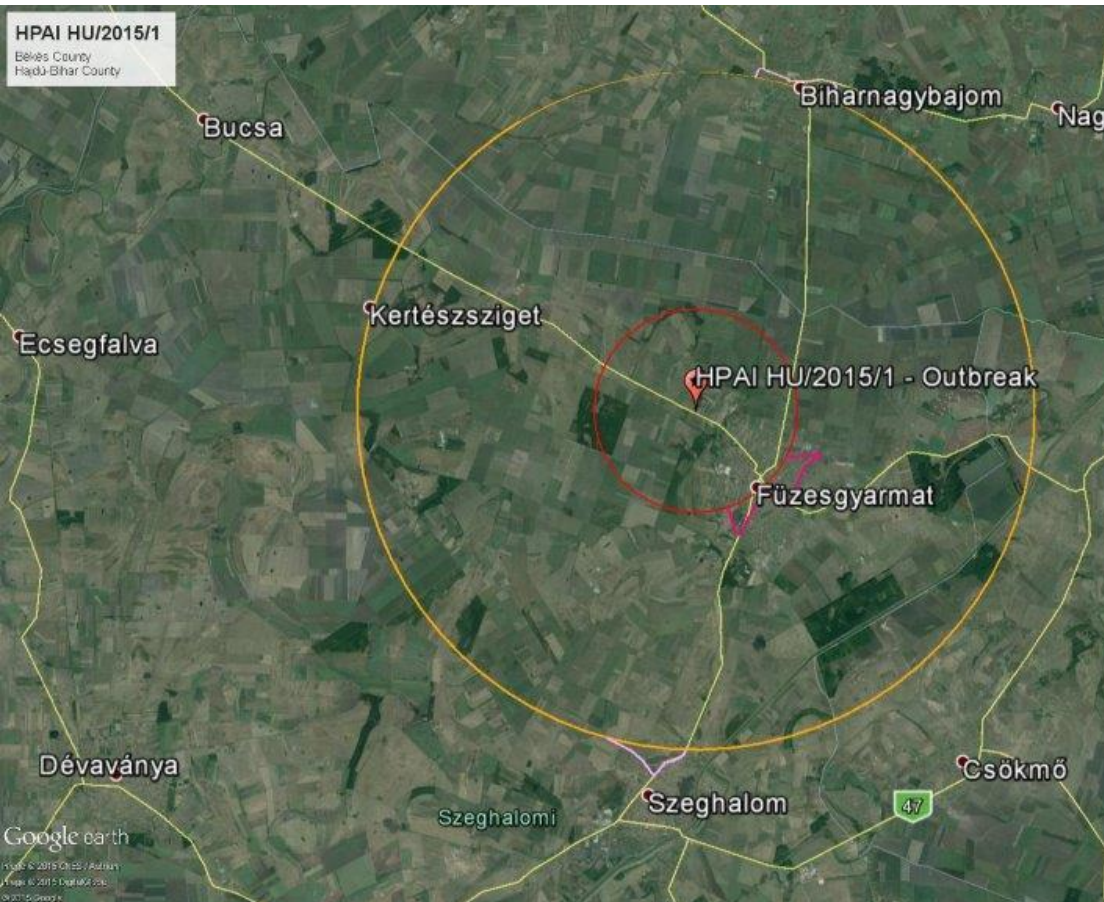
- HPAI HU/2015/1 - Outbreak
- VKPZ - Füzesgyarmat
- Védőkörzet/Protection Zone (3km)





MINISTRY OF
AGRICULTURE

Fine definition of surveillance zone





MINISTRY OF
AGRICULTURE

Biharnagybajom

HPAI HU/2015/1

Hajdú-Bihar County

Jelmagyarázat

- MK/SZ - Biharnagybajom
- Megfigyelési körzet/Surveillance Zone (10km)







MINISTRY OF
AGRICULTURE

Szeghalom

HPAI HU/2015/1

Békés County

Jelmagyarázat

-  MK/SZ - Biharmagybajom
-  Megfigyelési körzet/Surveillance Zone (10km)



Google earth

© 2015 Google
Image © 2015 CNES / Astrium

800 m

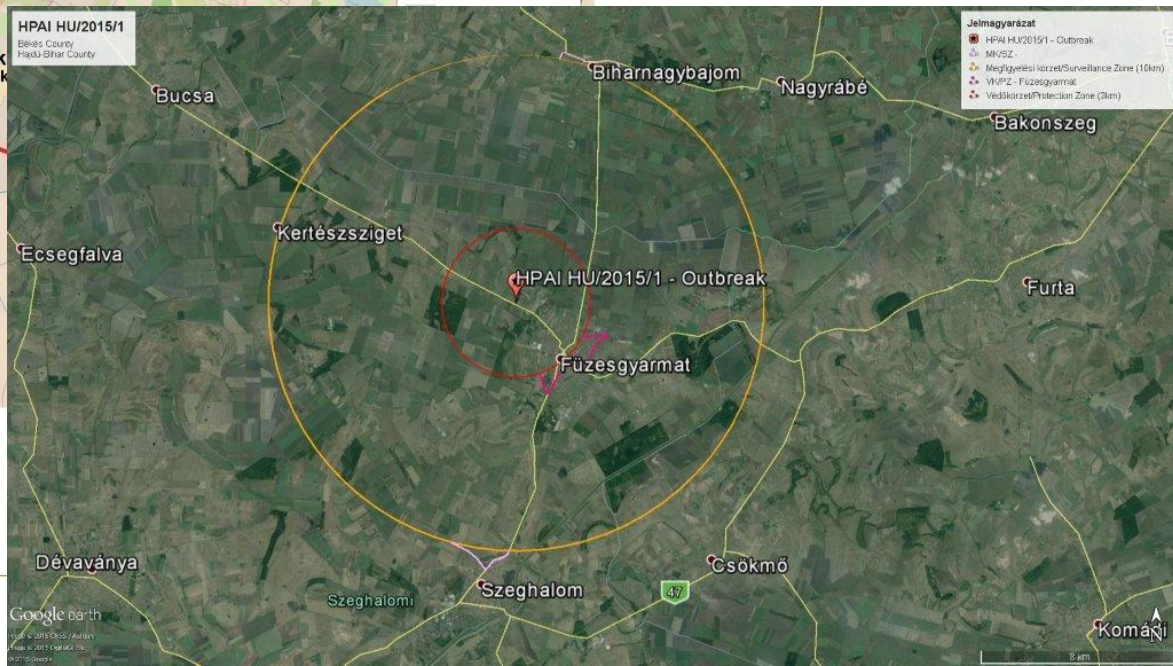
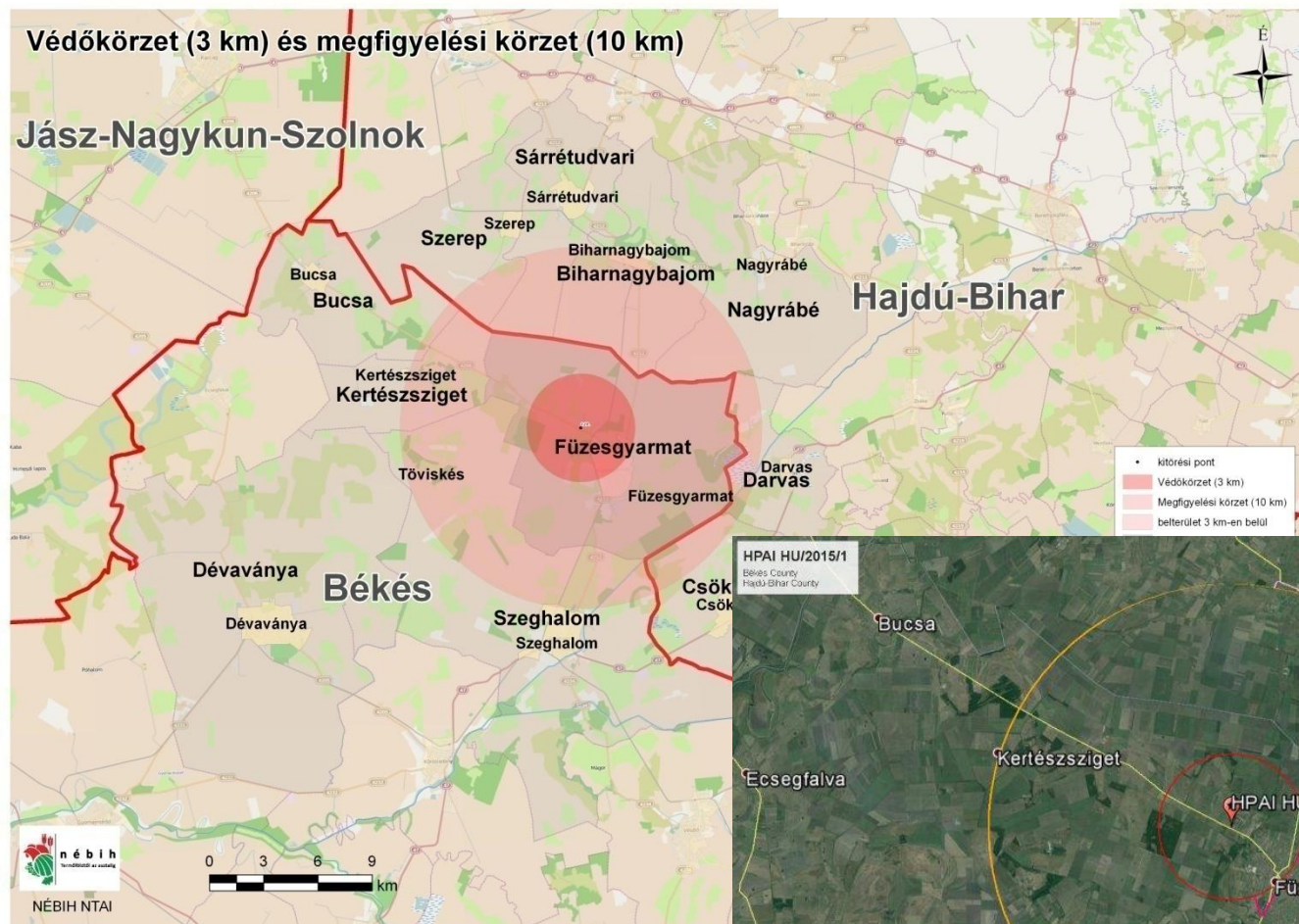




MINISTRY OF
AGRICULTURE

Current restricted zones
in 2015/338/EU

Redefined restricted
zones (as in our request)





MINISTRY OF
AGRICULTURE

Thank you for your attention!

