

# The current situation of avian influenza in Slovakia



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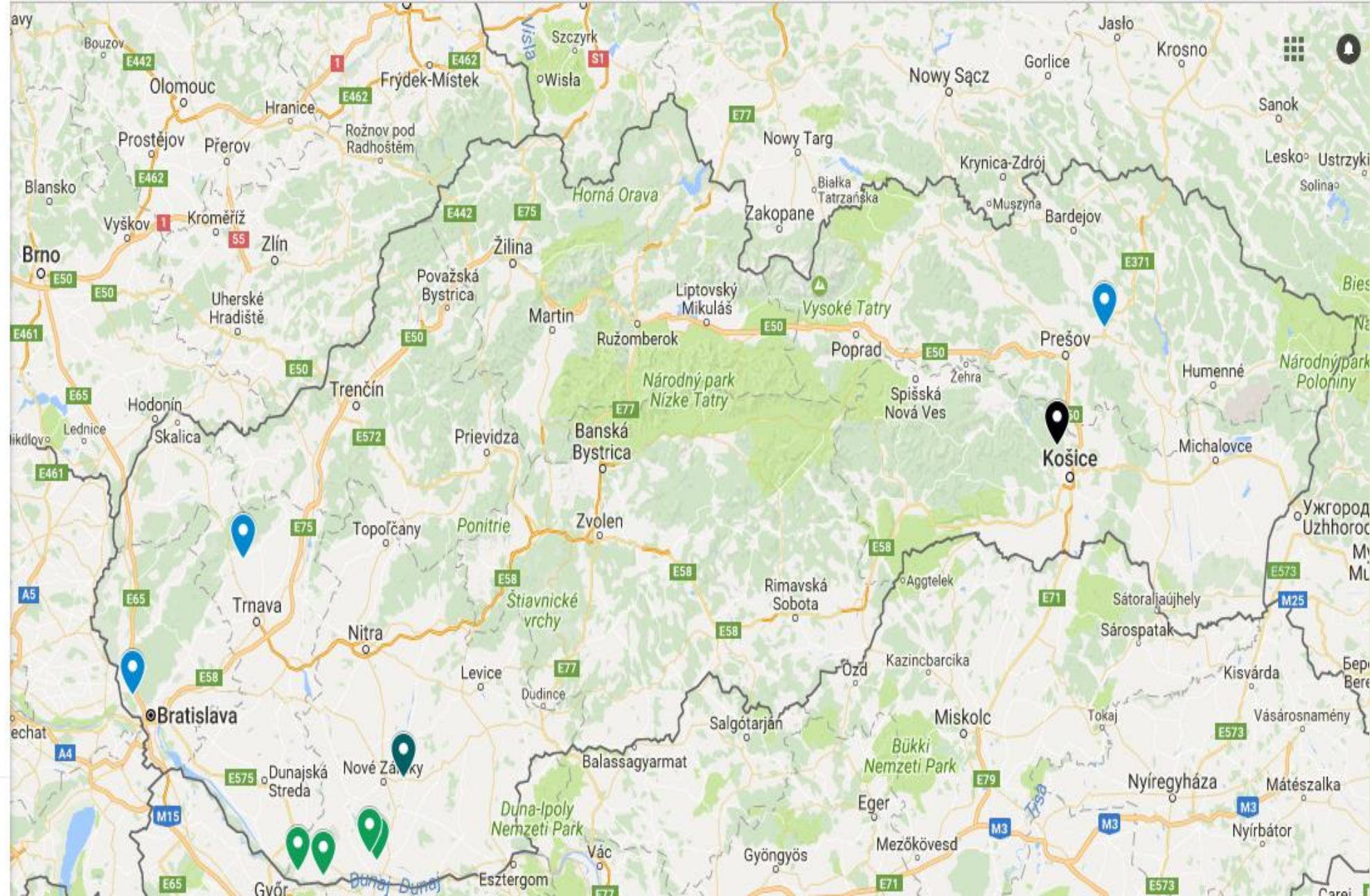
# Summary









- 1. first outbreak – poultry
  - confirmed on 29.12.2016 - backyard flock (Bratislava – Dúbravka)
- 2. second outbreak – other captive birds
  - confirmed on 03.01.2017 – ZOO Košice
- 3. first positive cases in wild birds
  - First confirmed on 04.01.2017 – 27 mute swans (little pond near Komárno)
- 4. third outbreak – poultry
  - confirmed on 12.01.2017 – backyard flock (Prešov district)
- 5. second positive case in wild birds
  - confirmed on 13.01.2017 – 16 whooper swans (pond in Nové Zámky district)
- 6. fourth outbreak – poultry
  - confirmed on 13.01.2017 – backyard flock (Trnava district)

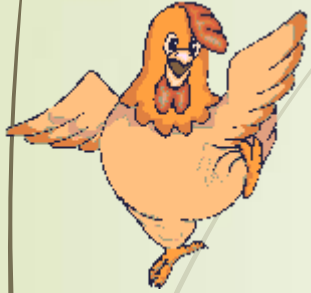


# HPAI H5N8 in SR (2016/2017)



-  1. Prvé ohnisko (hydina)
-  2. Druhé ohnisko (iné vtáky chované v zaja...)
-  3. prípad u voľne žijúcich vtákov-A
-  3. prípad u voľne žijúcich vtákov-B
-  3. prípad u voľne žijúcich vtákov-C
-  3. prípad u voľne žijúcich vtákov-D
-  4. Tretie ohnisko (hydina)
-  5. prípad u voľne žijúcich vtákov
-  6. Štvrté ohnisko (hydina)

# 1. outbreak – backyard flock Bratislava - Dúbravka

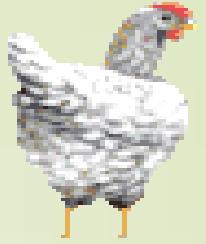


- 64 of 65 birds in the flock died suddenly without previous visible clinical signs
  - In 3 days during Christmas holidays (24.-26.12.)
- Backyard flock in Bratislava – Dúbravka
- *Gallus gallus* – pullets to 4-year old birds
  
- Suspicion – 27.12.2016
- Samples taken (sent to the NRL for AI (Veterinary Institute Zvolen))
  - 5 dead birds and the last one with clinical signs (somnolence, ataxia) killed on spot
  
- Confirmation – 29.12.2016 – HPAI H5N8
- carcasses, litter, manure and 23 eggs destroyed by the rendering plant

# 1. outbreak – backyard flock Bratislava - Dúbravka



# 1. outbreak – backyard flock Bratislava - Dúbravka



## 2. outbreak – captive birds ZOO Košice



- Captive birds in ZOO Košice
- *Cairina moschata* – 4 Muscovy ducks found with clinical signs by the ZOO private veterinarian (somnolence, neural signs, ataxia)
- Birds were kept on 3 ponds where also wild birds have a regular access
- Suspicion – 02.01.2017
- Samples taken:
  - 4 birds with clinical signs were killed on spot and sent to the NRL (VI Zvolen)
- Confirmation – 03.01.2017 – AI H5 (HP pathotype and N8 confirmed subsequently in the following days)



# 2. outbreak – captive birds ZOO Košice



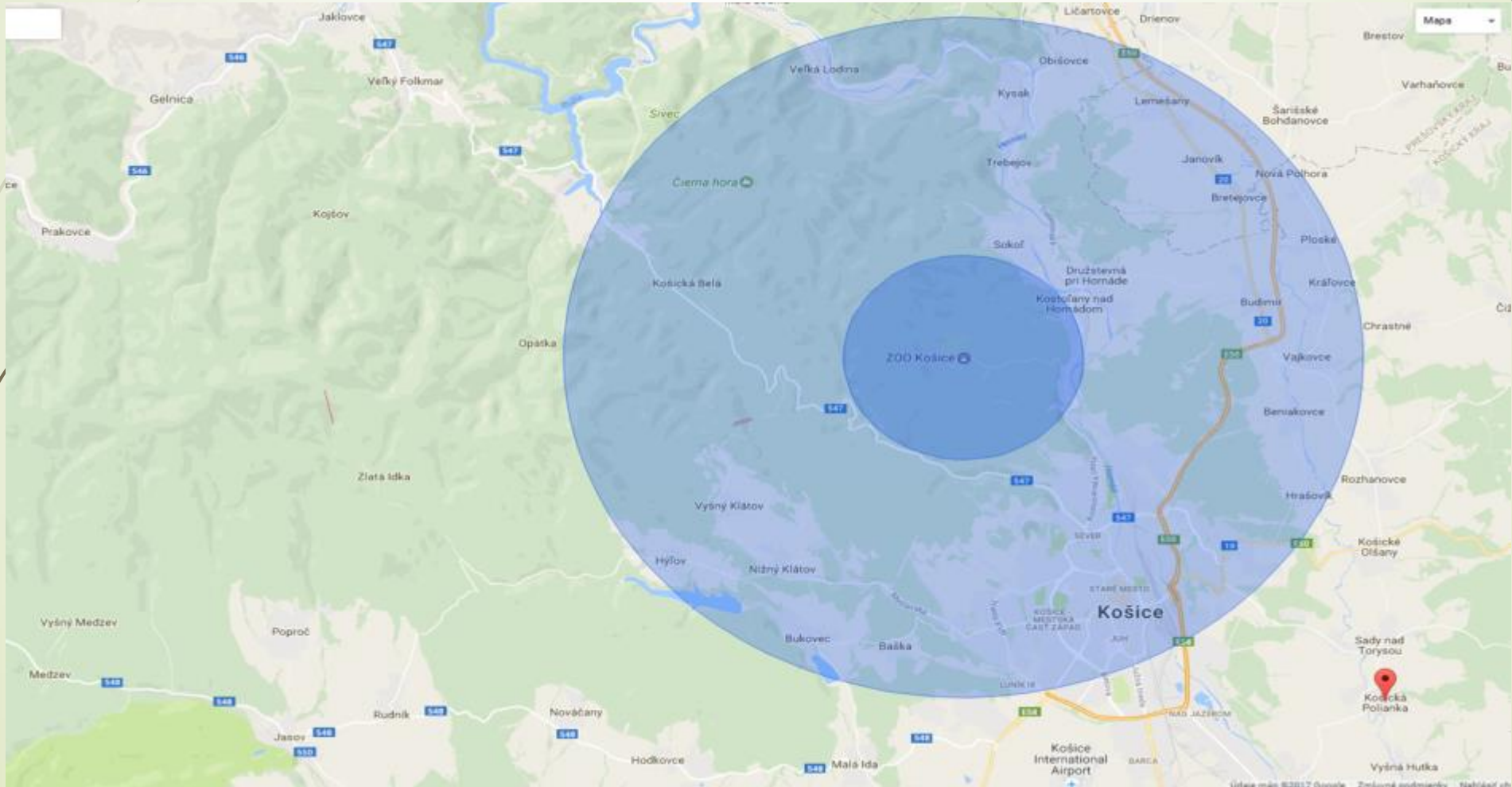
1. **Exotárium** - Exotarium - Exotarium
2. **Morské akvárium** - Tengeri akvárium - Sea aquarium
3. **Voliéry vtákov** - A madarak volierje - Bird aviaries
4. **Opice** - Majmok - Apes
5. **Daniel škvrnitý** - Dámvadák - Spotted fallow deer
6. **Veľká voliéra** - Nagy volier - The large aviary
7. **Vodné vtáctvo** - Víz madarak - Water birds
8. **Dikobraz indický** - Indiá sül - Indian crested porcupine
9. **Levice** - Nöstény oroslánok - Lioness
10. **Tuleň sivý** - Szürke fóka - Grey seal
11. **Malpa hnedá** - Csuklyásmajom - Capuchin monkey
12. **Kengura parma** - Parma-kengeru - Parma wallaby
13. **Vodné vtáctvo** - Víz madarak - Water birds

14. **Prímáty a opice** - főemlősök és majmok - Primates and monkeys
15. **Tiger** - Tigris - Tiger
16. **Hyena** - Hiéna - Hyena
17. **Kapybara močlarna** - Kapibara - Swamp capybara
18. **Ťava dvojhrbá** - Kétpúpú teve - Bactrian Camel
19. **Kulan turkménsky** - Kulán, vadszamár - Turkmenian kulan
20. **Tučniak jednopásy** - Humboldt-pingvin - Humboldt penguin
21. **Zebu zakrslý** - Zebu - Zebu
22. **Zebra Chapmanova** - Capman zebra - Chapman's zebra
23. **Surikáta vlínková** - Szurikáta - Meerkat
24. **Diviák lesný** - Vaddisznó - Wild boar
25. **Kôň hucul** - Hucul ló - Hucul pony
26. **Antilopa nilgau** - Nilgau antilop - Nilgai
27. **Vlk eurázijský** - Wolf eurázsiai - Eurasian Wolf
28. **Jeleň lesný** - Szarvas - Red deer
29. **Africké antilopy** - Afrikai antilopok - African antelope
30. **Voliéry vtákov** - A madarak volierje - Bird aviaries
31. **Paovca hrivnatá** - Sörényes juh - Barbary sheep
32. **Kamzik vrchovský** - Zerge - Mountain chamois
33. **Pštros dvojpřstý** - Strucc - Two-toed ostrich

34. **Tahr himalajský** - Sörényes Tahr - Himalayan Tahr
35. **Muflón obyčajný** - Mflon - Common moufflon
36. **Shetlandský poník** - Shetlandi póni - Shetland pony
37. **Zubor európsky** - Európai bölény - European bison
38. **Rys ostrovid** - Hlúz - Lynx
39. **Emu hnedý** - Barna emu - Brown emu
40. **Voliéry vtákov a malých šeliem** - A madarak volierje - Bird aviaries
41. **Medvedík čistotný** - Mosómedve - Raccoon
42. **Lama krotká** - Láma - Llama
43. **Lama huanako** - Huanako láma - Guanako llama
44. **Žeriav popolavý** - Szürke daru - Common crane
45. **Jeleň wapiti** - Wapiti szarvas - Wapiti
46. **Jak divý** - Jak - Yak
47. **Uhorský dobytok** - Magyar szürkemarha - Hungarian cattle
48. **Lama alpaka** - Lama alpaka - Alpaca llama
49. **Medved' hnedý** - Barnamedve - Brown bear
50. **Kozy a ovce** - Kécskék és juhok - Goats and sheep
51. **Emu hnedý** - Emu - Emu
52. **Zurav kráľovský** - Szürkenyákú koronásdaru - Royal crane
53. **Psík medvedíkovitý** - nyestkutya - Raccoon Dog
54. **Včelársky chodník** - méhészeti tanösvény - apiarian trail
55. **Žeriav čiernobiely** - Japán daru - Japanese Crane



## 2. outbreak – captive birds ZOO Košice



### 3. wild birds – 4 positive cases in SR



- 03.01.2017 – veterinary inspector in cooperation with the hunters found
  - 26 dead wild mute swans and one with severe clinical signs round the pond of **Velké Kosihy** (district Komárno)
- 05.01.2017 – confirmation of the AI H5 (other than H5N1),  
(Subsequently the neuraminidase N8 and highly pathogenic pathotype was confirmed)
- On 10. and 11.01.2017 three new cases in the wild birds were confirmed
- District Komárno – dead mute swans – ponds in **Lándor, Číčov and Kava**



### 3. cases in wild birds – Komárno district



### 3. wild birds – positive case in SR



### 3. wild birds – positive case in SR



### 3. wild birds – positive case in SR



## 4. third outbreak – backyard flock municipality Chmeľov (Prešov district)

- Backyard flock of poultry (*Gallus gallus*) in Prešov district
- 8 of 25 birds have died in 3 days without typical clinical signs
- Pathology: haemorrhagic pneumonia and catarrhal enteritis
- On 06.01.2017 a watery pale diarrhoea occurred
- On 08.01.2017 three 5-year old birds died
- On 10.01.2017 five 10-month old birds died – date of suspicion
- Confirmation – 12.01.2017 AIV of the subtype H5
- Birds were culled on the farm and destroyed by the rendering plant
- Restriction zones and measures in accordance with the Directive 200594/EC





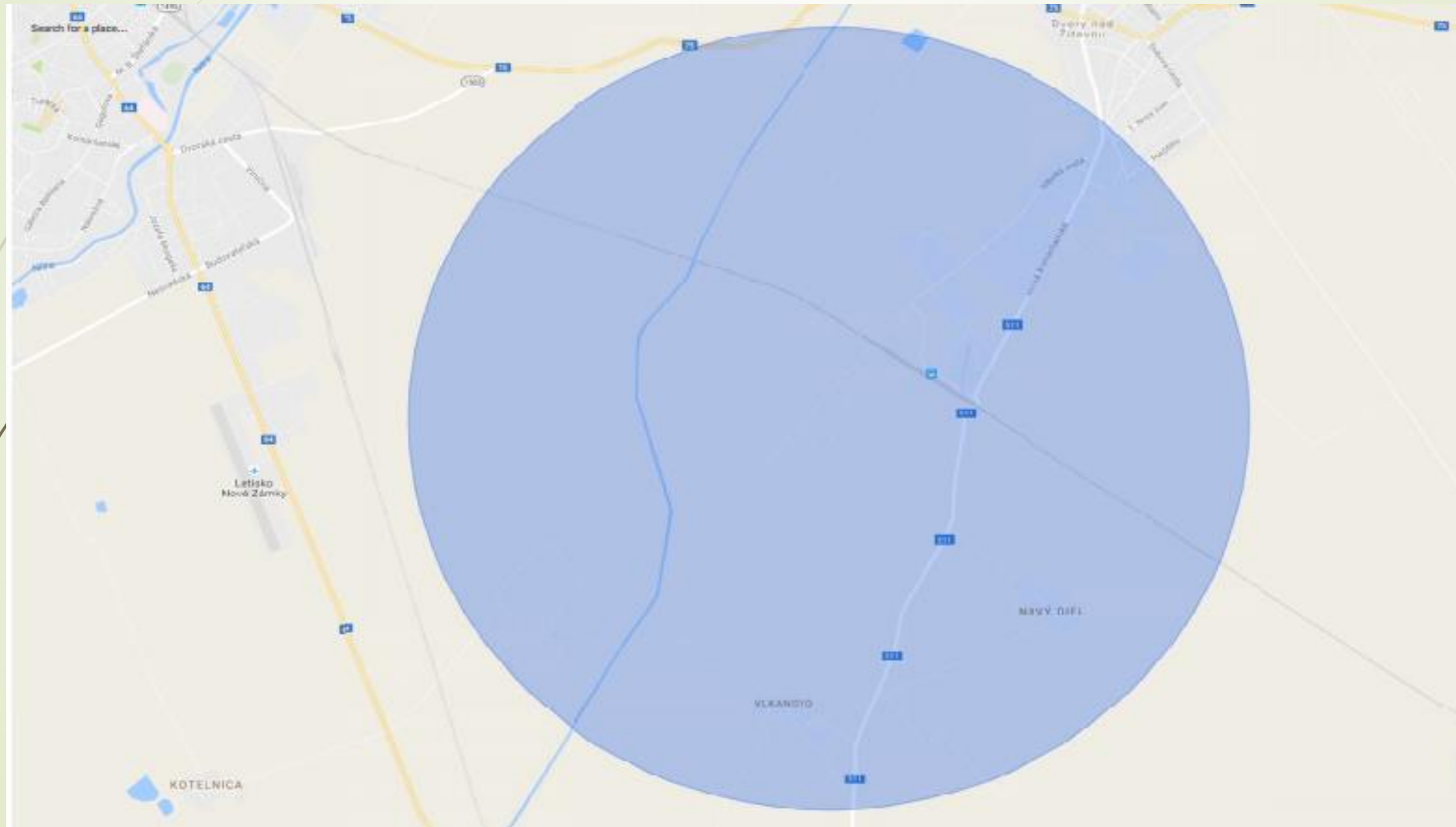


## 5. wild birds – positive case in SR

- ▶ 11.01.2017 – veterinary inspector in cooperation with the hunters found
  - ▶ 16 dead wild whooper swans (*Cygnus cygnus*) round the pond of Dvory nad Žitavou (district Nové Zámky)
- ▶ 13.01.2017 – confirmation of the AI H5 (other than H5N1)
- ▶ Monitoring zone of the radius of 3 km established

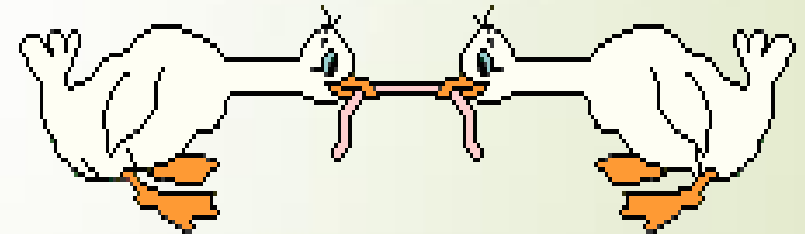


## 5. wild birds – positive case in SR

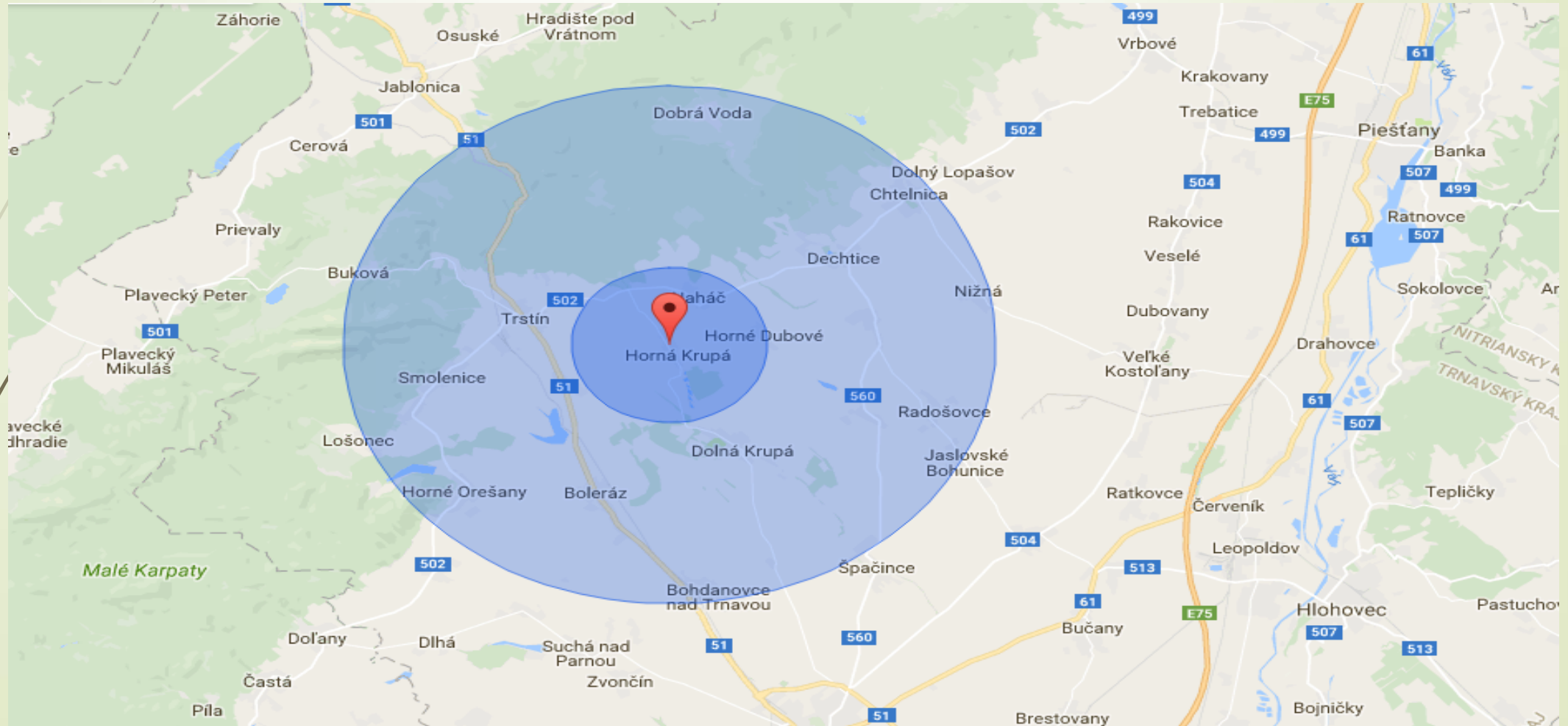


## 6. fourth outbreak – backyard flock municipality Horná Krupá (Trnava district)

- Backyard flock of poultry (*Gallus gallus*) in Trnava district
- 3 of 3 heads of guinea fowl and 1 of 20 hens of *Gallus gallus* have died
- Pathology:
  - Guinea fowl – haemorrhagic pneumonia
  - Hen – haemorrhagic enteritis
- Suspicion – 12.01.2017
- Confirmation – 13.01.2017 AIV of the subtype H5
- Restriction zones and measures in accordance with the Directive 2005/94/EC



## 6. fourth outbreak – backyard flock municipality Horná Krupá (Trnava district)





Thank you for  
your attention!

