



State  
Veterinary  
Administration

# HPAI H5N8 in poultry and wild birds in the Czech Republic

**SCOPAFF**

**17. – 18. 1. 2017**

State veterinary administration

## Presence HPAI in the Czech Republic

- since 2nd January 2017:
  1. **7 HPAI H5N8 outbreaks** in poultry farms
  2. **4 HPAI H5N8 cases** in wild birds (5 swans)
  3. establishing protection and surveillance zone in relation to Polish outbreak in region of Hradec Králové

# HPAI H5N8 outbreaks overview

## — No 1 - Moravský Krumlov - Southern Moravian Region

- mixed back-yard flock of laying hens, turkeys, ducks, geese and guinea fowls - in total 88 birds
  - 10 birds died (7 laying hens, 3 turkeys) during three days
- 3. 1. 2017 – laboratory testing - AI virus H5
- 4. 1. 2017 – the culling and disposal (78 birds) in the affected farm
- 5. 1. 2017 – NRL laboratory testing – HPAI H5N8

## — No 2 - Němčice u Ivančice - Southern Moravian Region

- backyard flock of 30 turkeys
  - all 30 birds died during two days
- 4. 1. 2017 – laboratory testing - AI virus H5
- 5. 1. 2017 – NRL laboratory testing – HPAI H5N8

# HPAI H5N8 outbreaks overview

## — No 3 – Letkovice (Ivančice) - Southern Moravian Region

- water-fowl back-yard poultry farm (ducks, geese) - in total 21 birds
  - died 2 water-fowl birds (1 goose and 1 duck)
- 5. 1. 2017 – laboratory testing - AI virus H5
- 5. 1. 2017 – the culling and disposal in the affected farm
- 6. 1. 2017 – NRL laboratory testing – HPAI H5N8

## — No 4 - Brod na Dyjí - Southern Moravian Region

- back-yard poultry farm with laying hens (95 pcs) and guinea fowls (50 pcs) - in total 145 birds
  - died 6 laying hens - clinical signs of disease before dead, 10 other birds showed clinical signs
- 7. 1. 2017 – laboratory testing - AI virus H5
- 8. 1. 2017 – NRL laboratory testing – HPAI H5N8
- 8. 1. 2017 – the culling and disposal in the affected farm

# HPAI H5N8 outbreaks overview

## — No 5 - Lázně Toušeň - Central Bohemian Region

- mixed flock of geese, ducks, laying hens, turkeys, guinea fowls, ostriches, turkeys, pigeons, parrot, peacock - in total 1 025 birds
  - died 1 goose
- 8. 1. 2017 - NRL laboratory testing – HPAI H5N8
- 10. 1. 2017 – culling and disposal in the affected farm

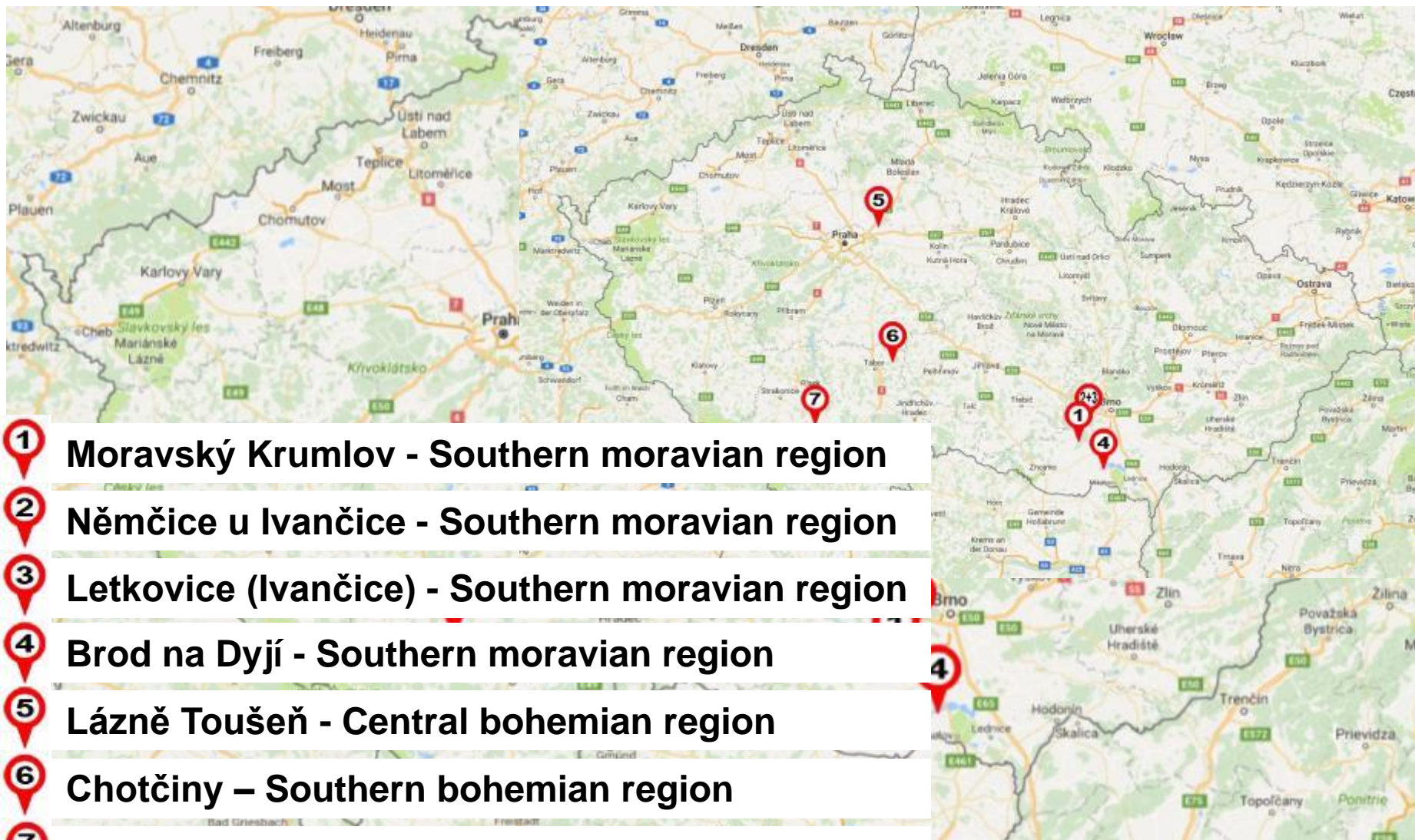
## — No 6 – Chotčiny – Southern Bohemian Region

- mixed back-yard poultry farm (laying hens, ducks, geese, pigeons) - in total 59 birds
  - died 9 birds (5 ducks, 2 laying hens, 2 roosters)
- 12. 1. 2017 – NRL laboratory testing – AI H5
- 12. 1. 2017 - culling and disposal in the affected farm
- 13. 1. 2017 - NRL laboratory testing – HPAI H5N8

## — No 7 – Libějovice - Southern Bohemian Region

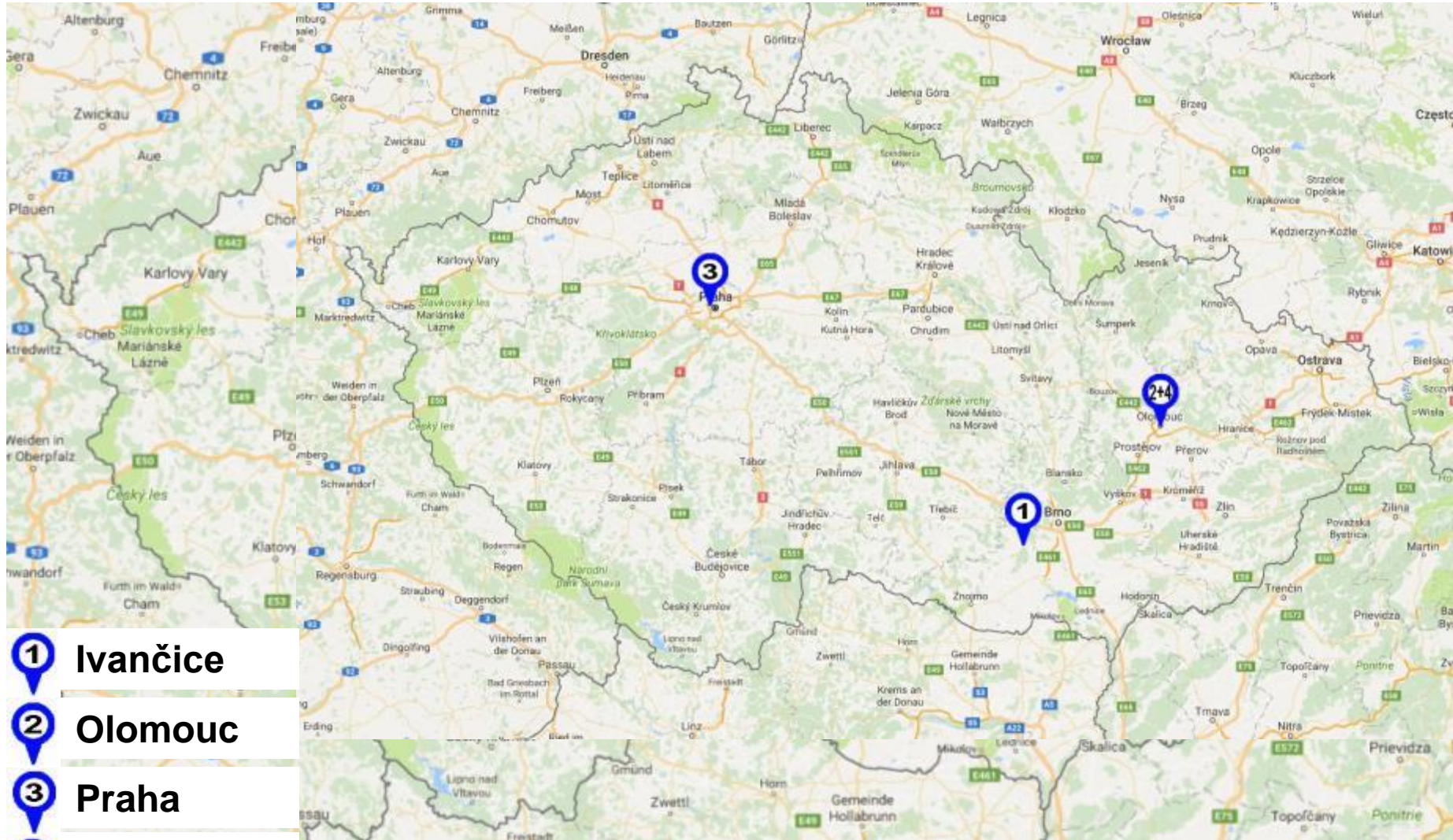
- mixed back-yard poultry farm (laing hens, water-fowl, pigeons, parrot) - in total 130 birds
  - died 8 laying hens, 1 rooster
- 15. 1. 2017 – NRL laboratory testing – AI H5
- 16. 1. 2017 - NRL laboratory testing – HPAI H5N8
- 17. 1. 2017 - culling and disposal in the affected farm – only poultry

# Map of HPAI H5N8 outbreaks in poultry farms



- 1 **Moravský Krumlov - Southern moravian region**
- 2 **Němčice u Ivančice - Southern moravian region**
- 3 **Letkovice (Ivančice) - Southern moravian region**
- 4 **Brod na Dyjí - Southern moravian region**
- 5 **Lázně Toušeň - Central bohemian region**
- 6 **Chotčiny – Southern bohemian region**
- 7 **Libějovice - Southern Bohemian Region**

# Map of location of HPAI H5N8 positive wild birds



1 Ivančice

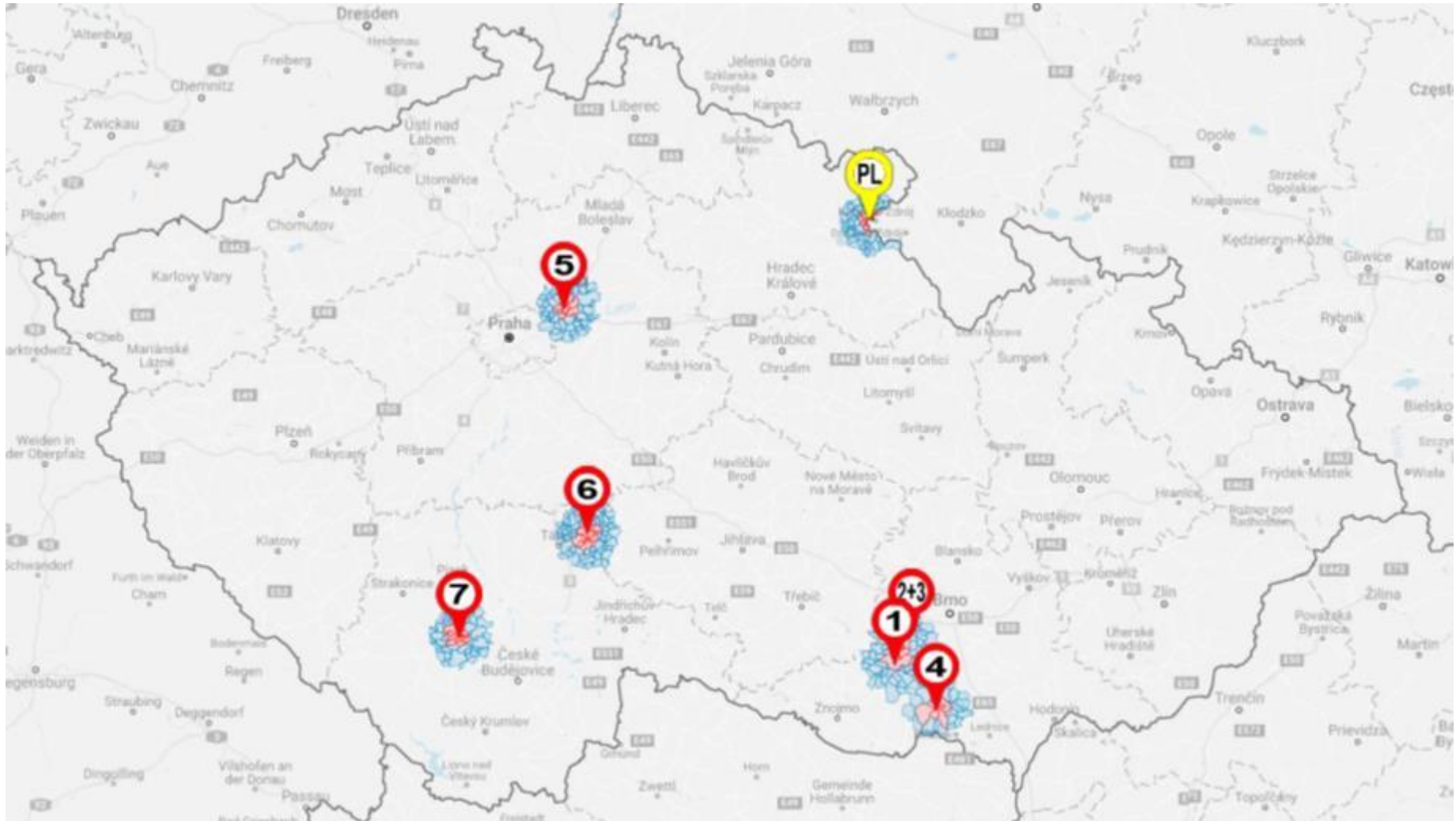
2 Olomouc

3 Praha

4 Olomouc



# Established protection and surveillance zones



# Controls and measures

- official epizootological investigation
  - all outbreaks – back-yard holdings without products to be marketed (no poultry products and animals were moved from the infected holding)
- all measures taken by the State veterinary administration are in accordance with EU legislation

# Source of infection

- In all outbreaks contact with live wild birds



- in back-yard farms was performed by CO2 and by injection (T61) in cooperation with Police and Army



- in commercial farm was performed in tanks with CO<sub>2</sub> in cooperation with Police and Army



**Thank you  
for your attention**