



# H5 LPAI in Italy 2017-2018

## February 2018 update

*Brussels, 28 February 2018*

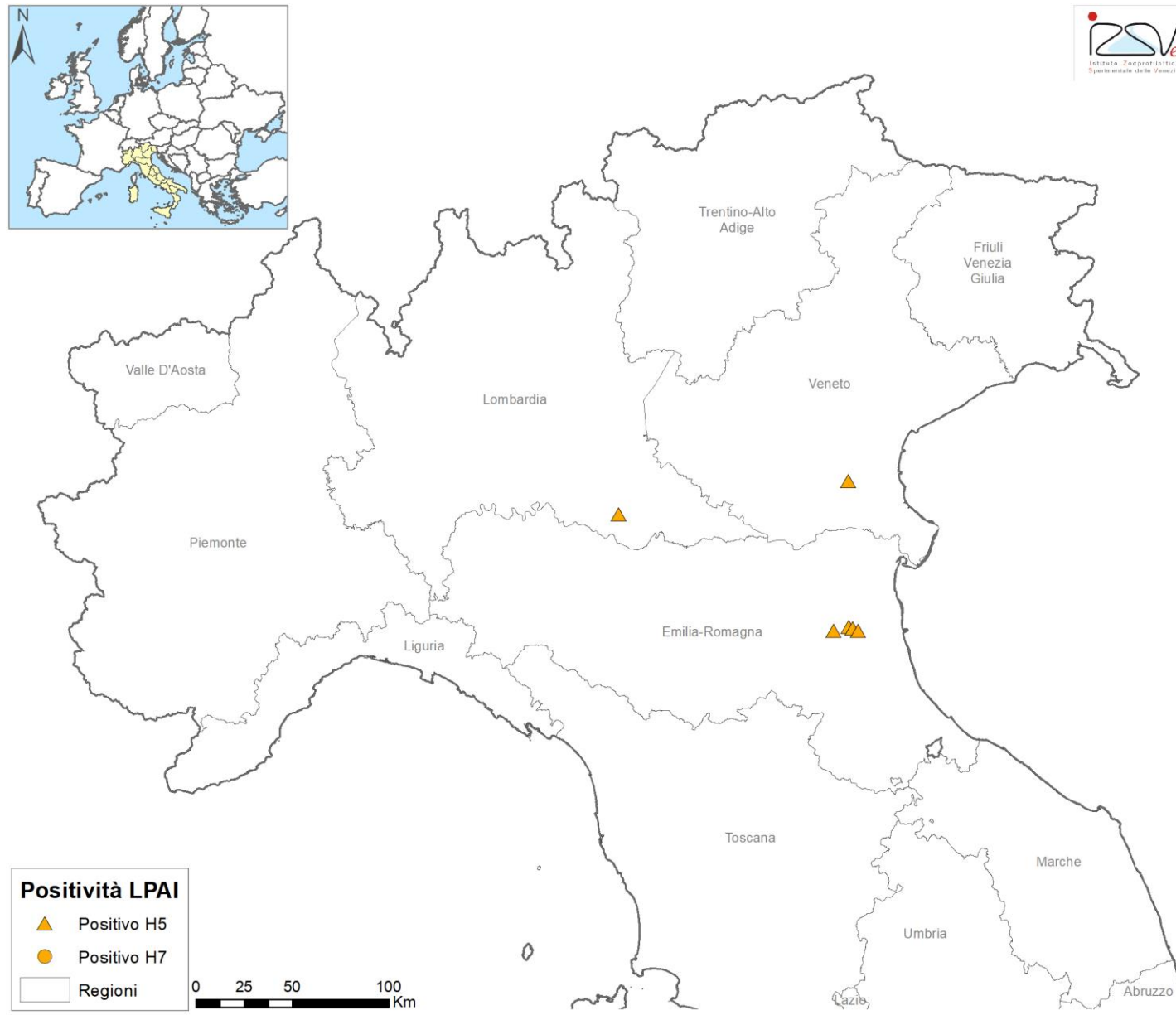


# H5 LPAI outbreaks in Italy 2017 (November-December)

- 4 in Emilia-Romagna (Ravenna):
  - 4 farms belonging to the same owner
  - Breeding ducks and geese
  - Surveillance plan
- 1 in Lombardy (Mantua):
  - Game birds
  - Pre-movement test
- 1 in Veneto (Padua):
  - Mixed-species farm
  - Clinical symptomatology

Total of 6 LPAI H5 outbreaks in 2017

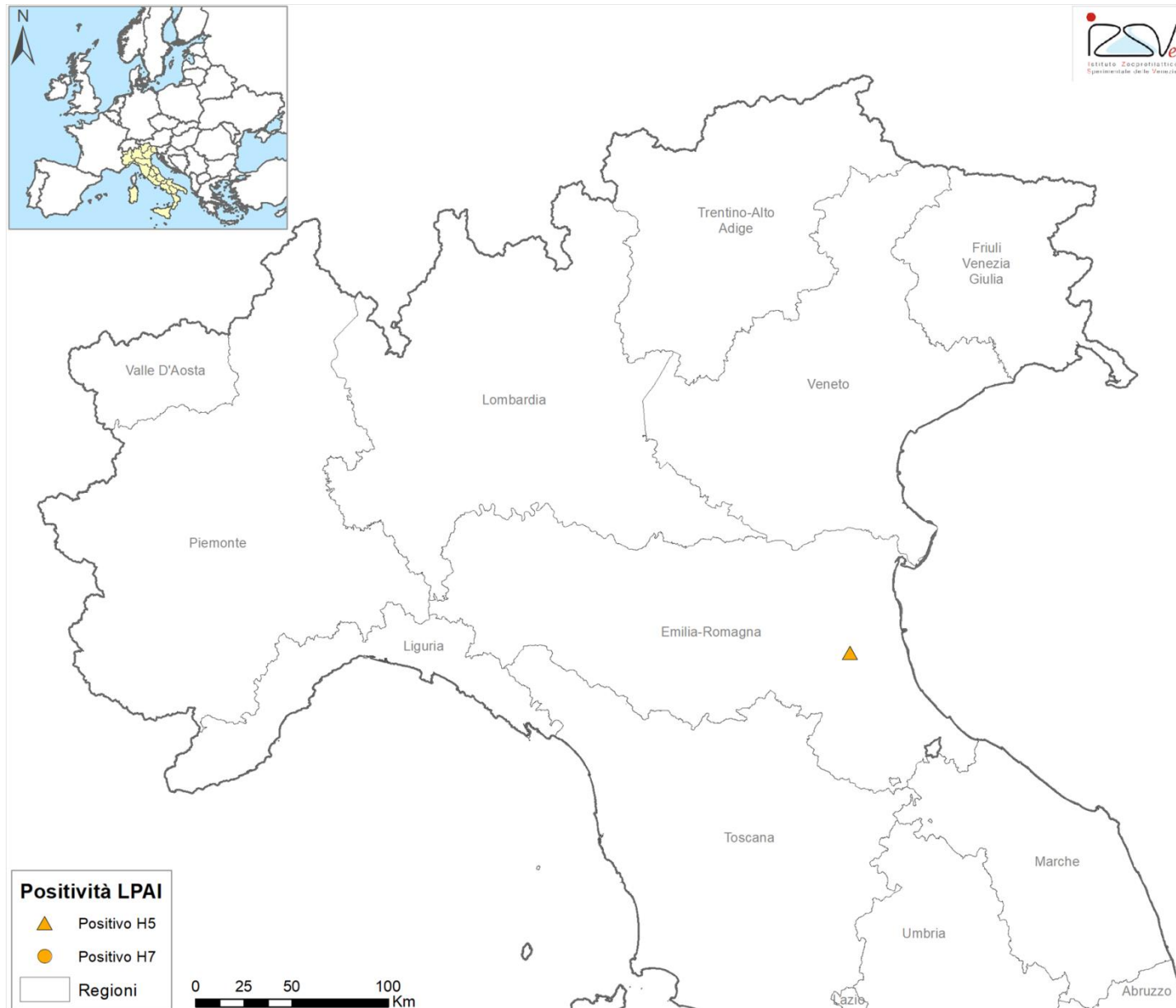
# H5 LPAI outbreaks in Italy - 2017



# New H5N7 LPAI outbreak (Ravenna-February 2018)

- Free-range farm
  - 5.269 mallards and 400 Muscovy ducks
- “Mixed” production type
  - Game birds
  - Grower
  - Breeder
- Date of confirmation: 2 February
  - National monitoring plan
- Date of depopulation: 6 February

# H5N7 LPAI outbreak in Italy - 2018



# Phylogenetic analyses - H5N7 LPAI in Italy 2017-2018

- Phylogenetic analyses revealed that 2017 viruses are not closely related with LPAI H5 viruses collected from Italian outbreaks in the last years.
  - The source of introduction is still unknown
- The virus isolated in the last outbreak deviates from 2017 H5 LPAI genetic group (96-97 % similarity)
  - New introduction (Rural sector? Wild birds?)

# National passive surveillance

- Samples collected from found dead or syndromic wild birds found in whole National territory
- **2019** total birds collected in 2017
- **17** birds tested **positive** for **Avian Influenza virus**:
  - 14 H5N8 (HPAI)
  - 1 H5N5
  - 1 H6N2
  - 1 not identified (not H5 or H7)

# Active surveillance

- Hunted wild birds surveillance December 2017- January 2018
  - Collaboration with hunters
  - Wetlands in Northern Italy
  - Tracheal and cloacal swabs on hunted wild birds



# Update on HPAI control measures

**Last outbreak: extinction on 14th December 2017**

**Decreto Direttoriale ( *directorial decree*) n.4122 of 19th February 2018:**

- Lifting of the further restricted zone
- Maintains some biosecurity and risk reduction measures in **high risk regions** until 30th April 2018:
  - Early detection and notification of suspect cases
  - Keeping of poultry outdoor is forbidden (possible derogation)
  - Mandatory cleaning and disinfection of vehicles
  - Ban on the gathering of domestic birds for fairs, exhibitions and live-bird markets

**Moreover, in high risk areas :**

- Re-stocking of meat turkey authorized following a favourable assessment of biosecurity measures in place,
- Pre-movement inspection and testing of turkeys, ducks, geese, game birds and pullets.



*Thank you!*