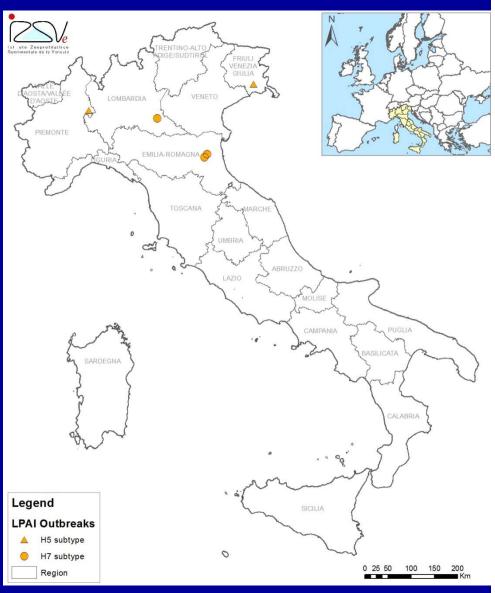
Low Pathogenic Avian Influenza H5 (LPAI) in Italy

STANDING COMMITEE ON PLANTS, ANIMALS, FOOD AND FEED

Section *Animal Health and Welfare* 6 March 2015

Epidemiological Situation 2014

- Five LPAI outbreaks were detected in Italy in 2014
- Two H5 LPAI outbreaks involved commercial and rural flocks located in:
 - Piedmont
 - Friuli Venezia Giulia
- Three H7 LPAI outbreaks occurred in:
 - Lombardy
 - Emilia Romagna



2014 H5-H7 LPAI outbreaks – Summary

ADNS	Conf. Date	Depop. Date	Est. Date	Region	Province	Туре	Strain
14/0001	28/01/2014	03/02/2014	04/02/2014	Friuli Venezia Giulia	Udine	Grower	H5N1
14/0002	25/03/2014	28/03/2014	28/03/2014	Lombardia	Mantova	Grower	H7N1
14/0003	24/06/2014	26/06/2014*	06/08/2014	Emilia Romagna	Ravenna	Grower	H7N1
14/0004	03/07/2014	05/07/2014	18/07/2014	Emilia Romagna	Ravenna	Grower	H7N1
14/0005	16/09/2014	22/09/2014	25/09/2014	Piedmont	Novara	Game Birds	H5N2

- ■*17 Birds belonging to CITES species were also present in the premise:
 - Animals were not culled
 - ■Samples taken on 28 June 2014 tested negative

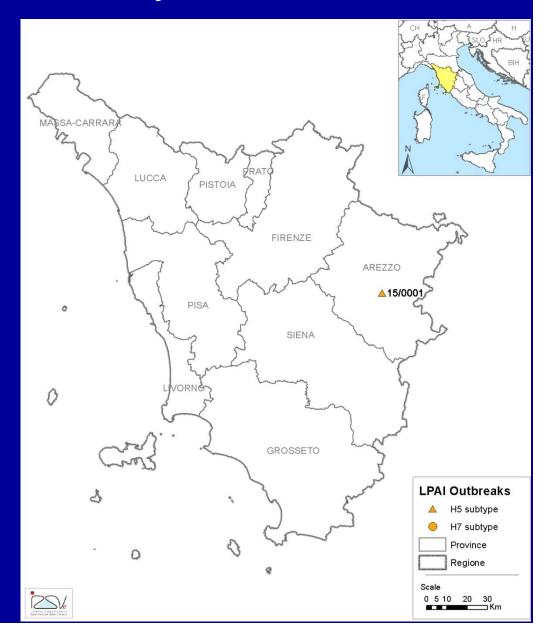
2015 H5 LPAI outbreak – Tuscany

- On 24 Jan 2015 the National Reference Laboratory confirmed a virological positivity for AI virus for LPAI virus H5N2 subtype in an ornamental birds farm in Arezzo province
- Control measures:
 - Ban of movement of animals from the infected farm
 - Depopulation
- On 27 Jan 2015 the depopulation procedures ended, and preliminary cleaning activities were performed

H5 LPAI outbreak – Tuscany

- Ornamental Birds farm with 81 ducks belonging to three different breeds
- All the birds present at requisition were culled

Species	Number		
Muscovy ducks	53		
Black East Indian ducks	16		
Call ducks	12		
Total	81		



H5 LPAI outbreak – Tuscany

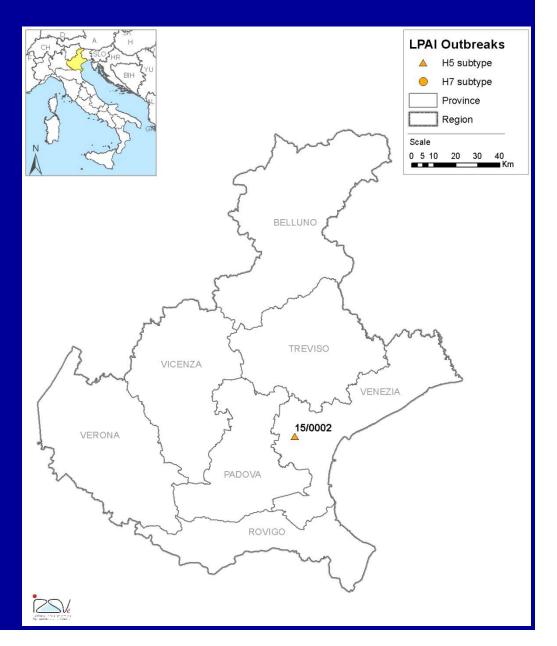
- Birds were tested to participate to a fair in Emilia
 Romagna region, as requested in the Ministerial Provision of 22 Dec 2014 and further modifications of 15 Jan 2015
- Birds were kept free-range and only moved for Bird Fairs, upon testing negative for AI
- Birds were previously virologically tested on Jan and Sept 2014, with negative results
- Contact holding:
 - Farm belonging to the same owner
 - Cloacal swabs tested negative on 4 Feb 2015

H5 LPAI outbreak – Veneto

- On 6 Feb 2015 the National Reference Laboratory confirmed a virological positivity for AI virus for LPAI virus H5 subtype in a premise with living decoy birds in Venice province
- Control measures:
 - Ban of movement of animals from the infected farm
 - Depopulation
- On 11 Feb 2015 the depopulation procedures ended, and preliminary cleaning activities were performed

H5 LPAI outbreak - Veneto

- In the same site 39
 living decoy mallards
 were kept, belonging to
 4 different owners
- All the birds present at requisition were culled

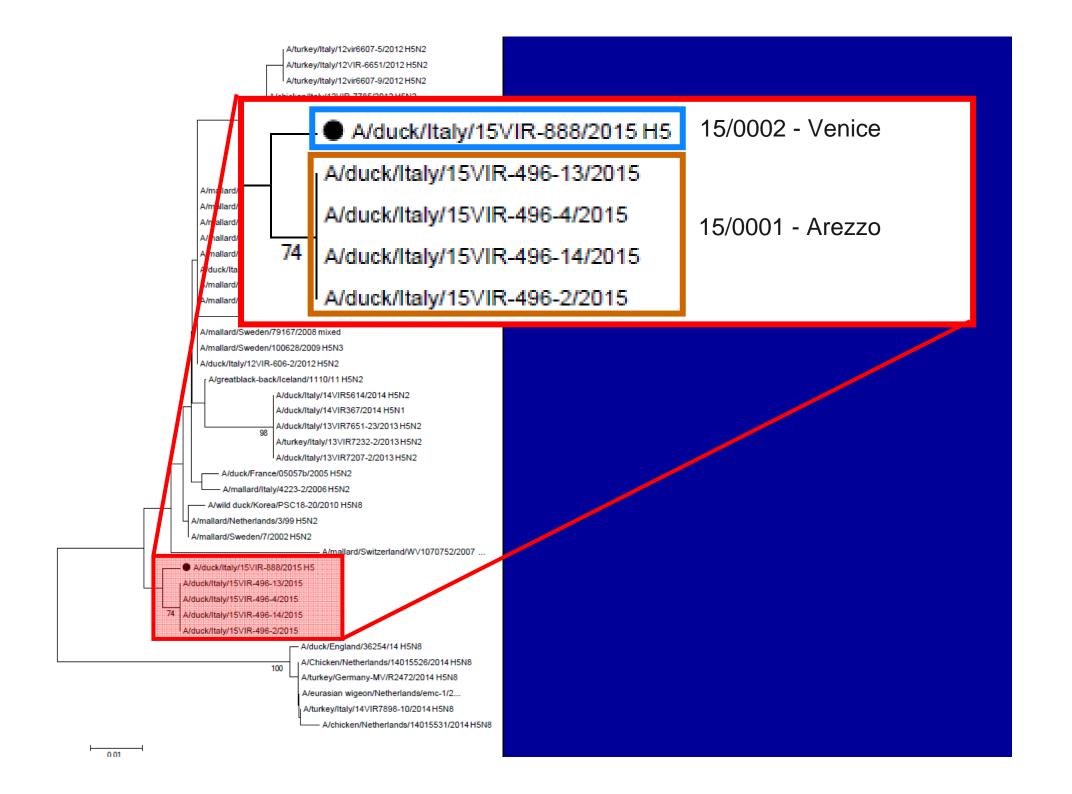


H5 LPAI outbreak – Veneto

- Birds were tested in accordance to the Ministerial Provision of 8 Jan
 2015 (DGSAF no. 323)
 - Living decoys premises with birds deployed in hunting sessions in areas considered at higher risk of AI introduction were targeted by focused surveillance activities on a sample basis
- Birds were kept free-range in a fenced area with nets to avoid contacts with wild waterfowl
- The infected birds were deployed on 7 Dec 2014, while the other birds in the premise were moved for hunting sessions on 22 Dec 2014
- Another premise with living decoy birds is located within 300 m from the outbreak
 - Birds tested negative for Al viruses on 2 Feb 2015
- No poultry farms are located within 1 km from the affected premise

H5N2 LPAI outbreaks – Laboratory analyses

- Phylogenic analyses suggested the viruses detected n the two outbreaks have a common ancestor
- The viruses found in the two outbreaks resulted having high similarity (97.5%)
- Levels of similarity with other AI viruses are slightly lower, suggesting the origin of the common ancestor is likely to be traced back to wild bird populations



2015 LPAI outbreaks - Summary

ADNS	Al virus	Conf. Date	Depop. Date	Region	Province	Туре
15/0001	H5N2	24.01.2015	27.01.2014	Tuscany	Arezzo	Ornamental birds
15/0002	H5N2	06.02.2015	11.02.2014	Veneto	Venice	Living decoy birds

Thanks for your attention