



Ministero della Salute

HPAI outbreaks in Italy

PAFF Committee – Animal health and welfare
18-19 November 2024



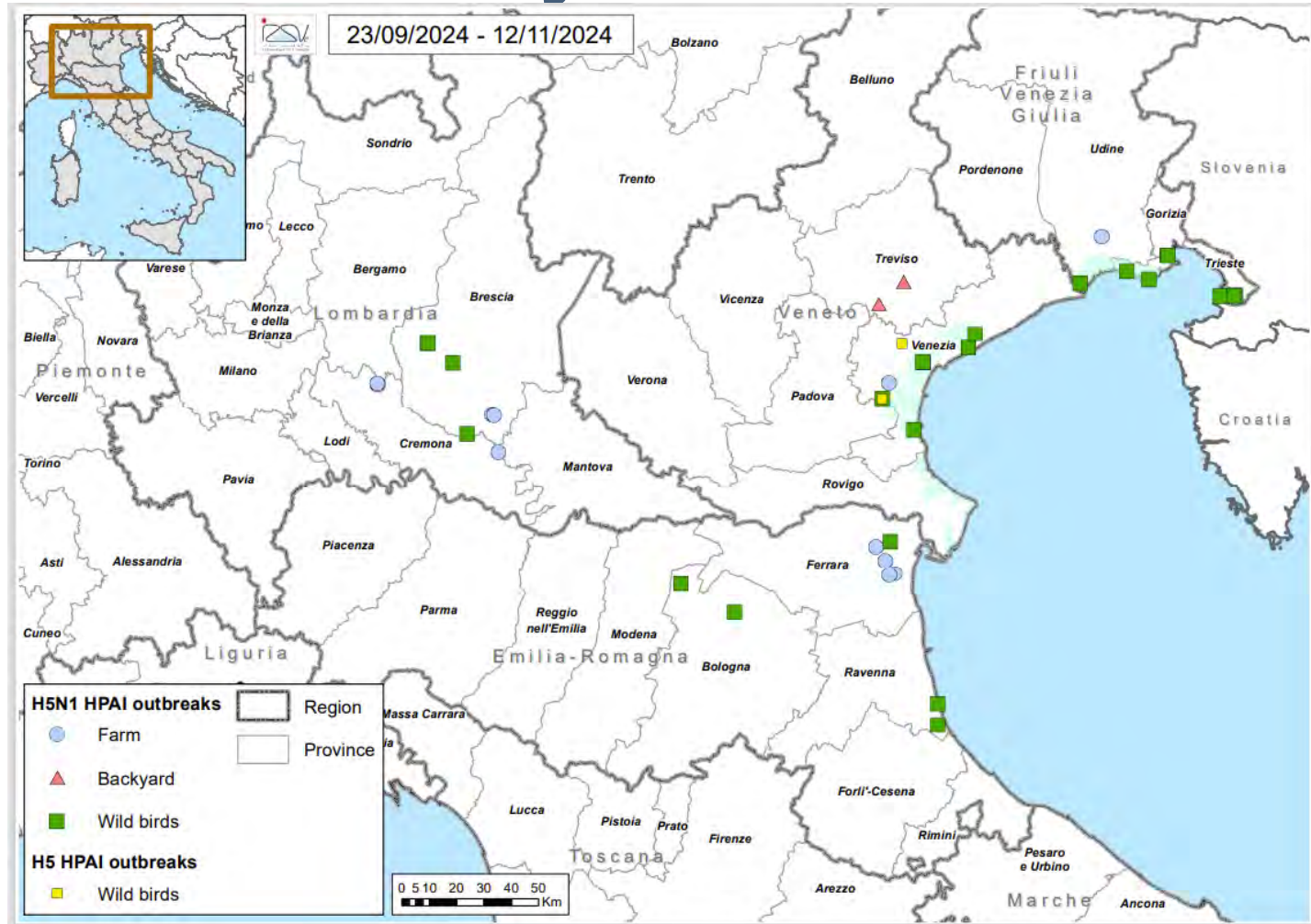
HPAI H5N1 in Italy

✓ 15 HPAI outbreaks in poultry (18/11/2024)

- 5 Veneto
- 4 Emilia-Romagna
- 5 Lombardia
- 1 Friuli Venezia Giulia

✓ 34 HPAI positive cases in wild birds (18/11/2024)

- 15 Veneto
- 5 Emilia Romagna
- 4 Lombardia
- 10 Friuli-Venezia Giulia



Regular update on: <https://www.izsvenezie.com/reference-laboratories/avian-influenza-newcastle-disease/italy-update/>
<https://eurlaidata.izsvenezie.it/>

HPAI H5N1 in domestic poultry

SIMAN reference	ADIS Reference	Type	Disease name	Disease type	Regione	Provincia	Comune	Measuring unit 1	Susceptible	Confirmation date
HPAI-2024-10	IT-HPAI(P)-2024-00010	Primary	High pathogenicity avian influenza viruses (poultry) (Inf. with)	H5N1	Emilia-Romagna	Ferrara	Lagosanto	fattening turkeys	49.591	2024-10-24
HPAI-2024-11	IT-HPAI(P)-2024-00011	Primary	High pathogenicity avian influenza viruses (poultry) (Inf. with)	H5N1	Friuli-Venezia Giulia	Udine	San Giorgio Di Nogaro	fattening turkeys	23.980	2024-10-28
HPAI-2024-12	IT-HPAI(P)-2024-00012	Primary	High pathogenicity avian influenza viruses (poultry) (Inf. with)	H5N1	Veneto	Treviso	Villorba	backyard farm	7	2024-10-31
HPAI-2024-13	IT-HPAI(P)-2024-00013	Primary	High pathogenicity avian influenza viruses (poultry) (Inf. with)	H5N1	Veneto	Treviso	Quinto Di Treviso	backyard farm	8	2024-10-31
HPAI-2024-14	IT-HPAI(P)-2024-00014	Primary	High pathogenicity avian influenza viruses (poultry) (Inf. with)	H5N1	Lombardia	Mantua	Canneto sull'Oglio	laying hens	230.500	2024-11-11
HPAI-2024-15	IT-HPAI(P)-2024-00015	Primary	High pathogenicity avian influenza viruses (poultry) (Inf. with)	H5N1	Veneto	Treviso	Valdobbiadene	commercial farm of capon chicken	1.007	2024-11-12



Positive cases in wild birds from the last PAFF

Reference adis	Type	Serotype	Region	Province	Municipality	Species	target group	Cases	Confirmation date
IT-HPAI(NON-P)-2024-00013	Primary	H5N1	Friuli-Venezia Giulia	Gorizia	Grado	Eurasian Wigeon	hunted	1	2024-10-23
IT-HPAI(NON-P)-2024-00014	Primary	H5N1	Lombardia	Brescia	Azzano Mella	Mallard	hunted	1	2024-10-25
IT-HPAI(NON-P)-2024-00015	Primary	H5N1	Emilia-Romagna	Bologna	Bentivoglio	Greylag Goose	found dead	1	2024-10-25
IT-HPAI(NON-P)-2024-00016	Primary	H5N1	Emilia-Romagna	Bologna	Crevalcore	Mallard	hunted	2	2024-10-25
IT-HPAI(NON-P)-2024-00017	Primary	H5N1	Emilia-Romagna	Ferrara	Codigoro	Mallard	found dead	1	2024-10-25
IT-HPAI(NON-P)-2024-00018	Primary	H5N1	Friuli-Venezia Giulia	Gorizia	Staranzano	Greylag Goose	found dead	1	2024-10-25
IT-HPAI(NON-P)-2024-00019	Primary	H5N1	Friuli-Venezia Giulia	Udine	Latisana	Mallard	hunted	1	2024-10-25
IT-HPAI(NON-P)-2024-00020	Primary	H5N1	Veneto	Venezia	Chioggia	Yellow-legged Gull	found dead	1	2024-10-25
IT-HPAI(NON-P)-2024-00021	Primary	H5N1	Veneto	Venezia	Venezia	Yellow-legged Gull	found dead	1	2024-10-25
IT-HPAI(NON-P)-2024-00022	Primary	H5N1	Veneto	Venezia	Venezia	Peregrin falcon	found dead	1	2024-10-25
IT-HPAI(NON-P)-2024-00023	Primary	H5N1	Veneto	Venezia	Cavallino Treporti	Black-headed Gull	found dead	1	2024-10-25
IT-HPAI(NON-P)-2024-00024	Primary	H5N1	Veneto	Venezia	Venezia	Mallard	hunted	1	2024-10-25
						Common Teal	hunted	1	
IT-HPAI(NON-P)-2024-00025	Primary	H5 (N untyped)	Veneto	Venezia	Venezia	Great Cormorant	found dead	1	2024-10-31
IT-HPAI(NON-P)-2024-00026	Primary	H5N1	Friuli-Venezia Giulia	Trieste	Muggia	Mute Swan	found dead	1	2024-11-04
IT-HPAI(NON-P)-2024-00027	Primary	H5N1	Friuli-Venezia Giulia	Trieste	Muggia	Mute Swan	found dead	1	2024-11-04
IT-HPAI(NON-P)-2024-00028	Primary	H5N1	Friuli-Venezia Giulia	Trieste	Trieste	Mute Swan	found dead	1	2024-11-04
IT-HPAI(NON-P)-2024-00029	Primary	H5N1	Friuli-Venezia Giulia	Gorizia	Grado	Mute Swan	found dead	1	2024-11-04
IT-HPAI(NON-P)-2024-00030	Primary	H5N1	Friuli-Venezia Giulia	Gorizia	Staranzano	Greylag Goose	found dead	1	2024-11-05
IT-HPAI(NON-P)-2024-00031	Primary	H5N1	Lombardia	Brescia	Rovato	Northern Shoveler	hunted	1	2024-11-08
IT-HPAI(NON-P)-2024-00032	Primary	H5N1	Friuli-Venezia Giulia	Trieste	Muggia	Mute Swan	found dead	1	2024-11-13
IT-HPAI(NON-P)-2024-00033	Primary	H5N1	Veneto	Venezia	Cavallino-Treporti	Greylag Goose	found dead	1	2024-11-14
IT-HPAI(NON-P)-2024-00034	Primary	H5N1	Friuli-Venezia Giulia	Pordenone	Brugnera	Greylag Goose	found dead	1	2024-11-13

GENETIC CHARACTERISATION OF THE VIRUSES IDENTIFIED IN THE HPAI OUTBREAKS

The H5N1 HPAI viruses identified so far in Italy belong to clade 2.3.4.4b, genotype DI. Within the DI genotype, the Italian samples are grouped with the viruses identified since September in France, Slovenia, Austria and Croatia.

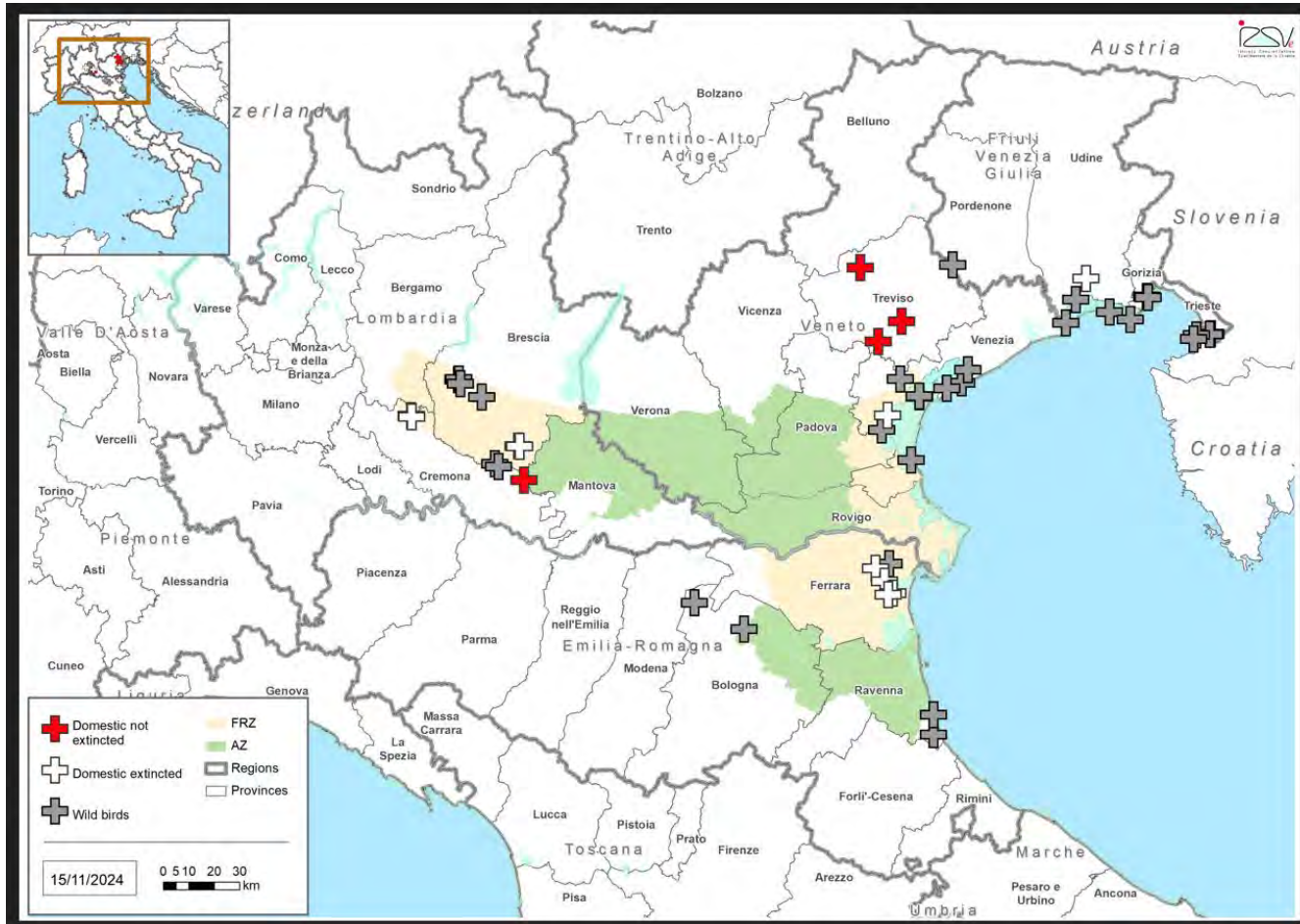
The high similarity of the viruses found in poultry (in red) to those identified in wild birds (in blue) suggests multiple primary introductions.

It is noteworthy that some viruses identified in poultry or in wild birds have mutations that are markers of adaptation to mammals.



Further Restricted Zone

On October 22, 2024 a FRZ has been established by the Competent Authority of Veneto, Lombardy and Emilia-Romagna Regions to prevent the further spread of the infection



0031296-22/10/2024-DGSAF-MDS-B

Ministero della Salute
 DIPARTIMENTO DELLA SALUTE UMANA, DELLA SALUTE ANIMALE E DELL'ECOSISTEMA (ONE HEALTH) E DEI RAPPORTI INTERNAZIONALI
 DIREZIONE GENERALE DELLA SALUTE ANIMALE
 Ufficio 3 Ex DGSAF

Santità animale e gestione operativa del Centro nazionale di lotta ed emergenza contro le malattie animali e unità centrale di crisi

Registro – Classif: P-I.1. a. e/2024/2

- Regioni Emilia Romagna, Lombardia, Veneto
- Assessorati alla sanità
- Organizzazioni di categoria del settore avicolo e, p.c.:
- CRNIA c/o IZS delle Veneziae
- altre Regioni e Province Autonome

Oggetto: Influenza aviaria ad alta patogenicità H5N1 – Dispositivo dirigenziale recante ulteriori misure di controllo sorveglianza ed eradicazione per contenere la diffusione dell'influenza aviaria.

Si trasmette in allegato il Dispositivo dirigenziale di cui all' oggetto.

Il Direttore dell'Ufficio 3
 Dott. Luigi Ruocco*

Two different areas zone have been defined within the Italian territory at higher risk for HPAI (FRZ around the outbreaks and an Attention zone) and will be in place until 15/01/2025



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Thank you

