



Update on avian influenza in the EU

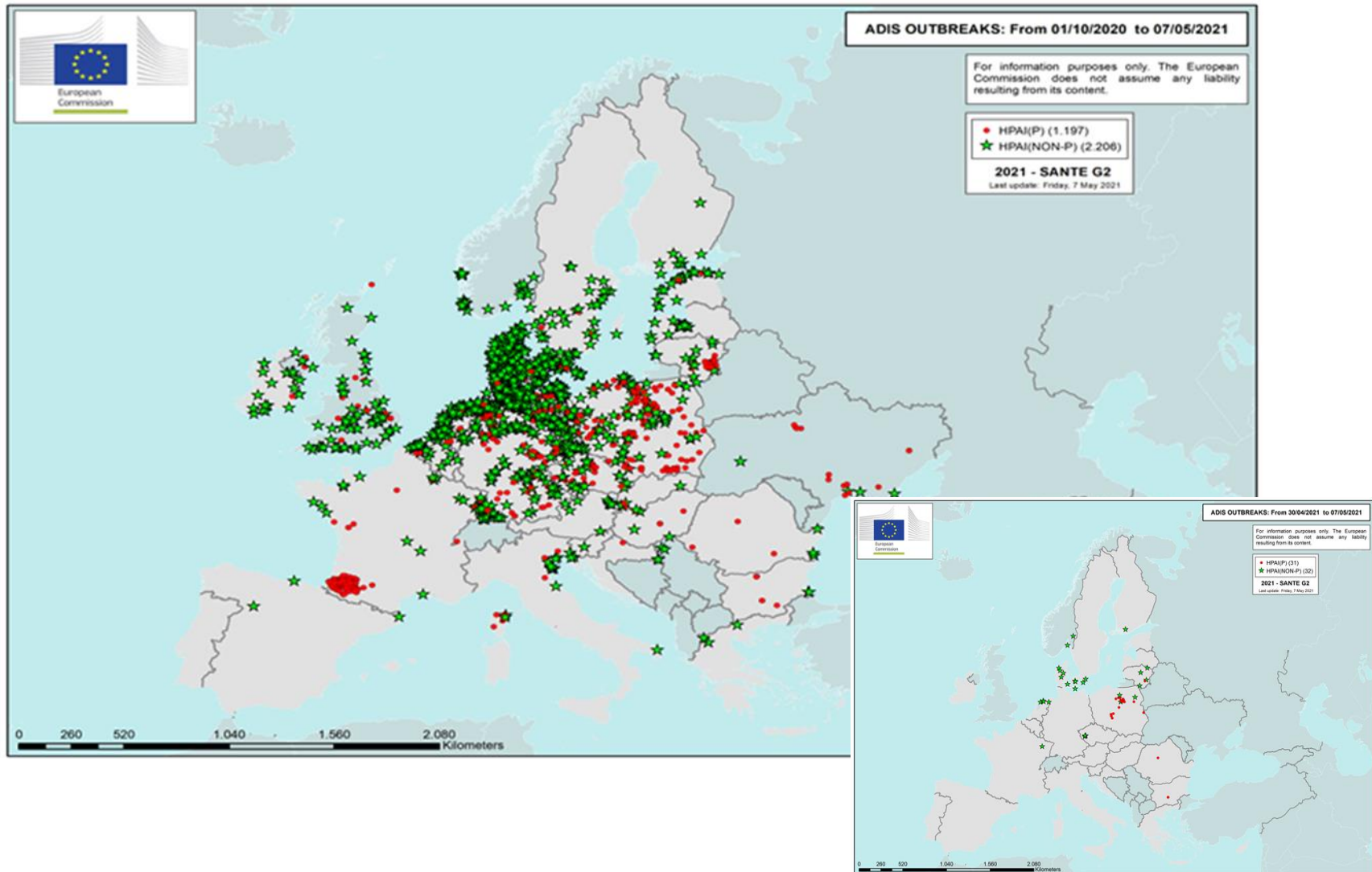
CDG ANIMAL PRODUCTS SECTOR POULTRY & EGGS 17 May 2021

**European Commission,
DG Health and Food Safety
Unit G2 – Animal Health**

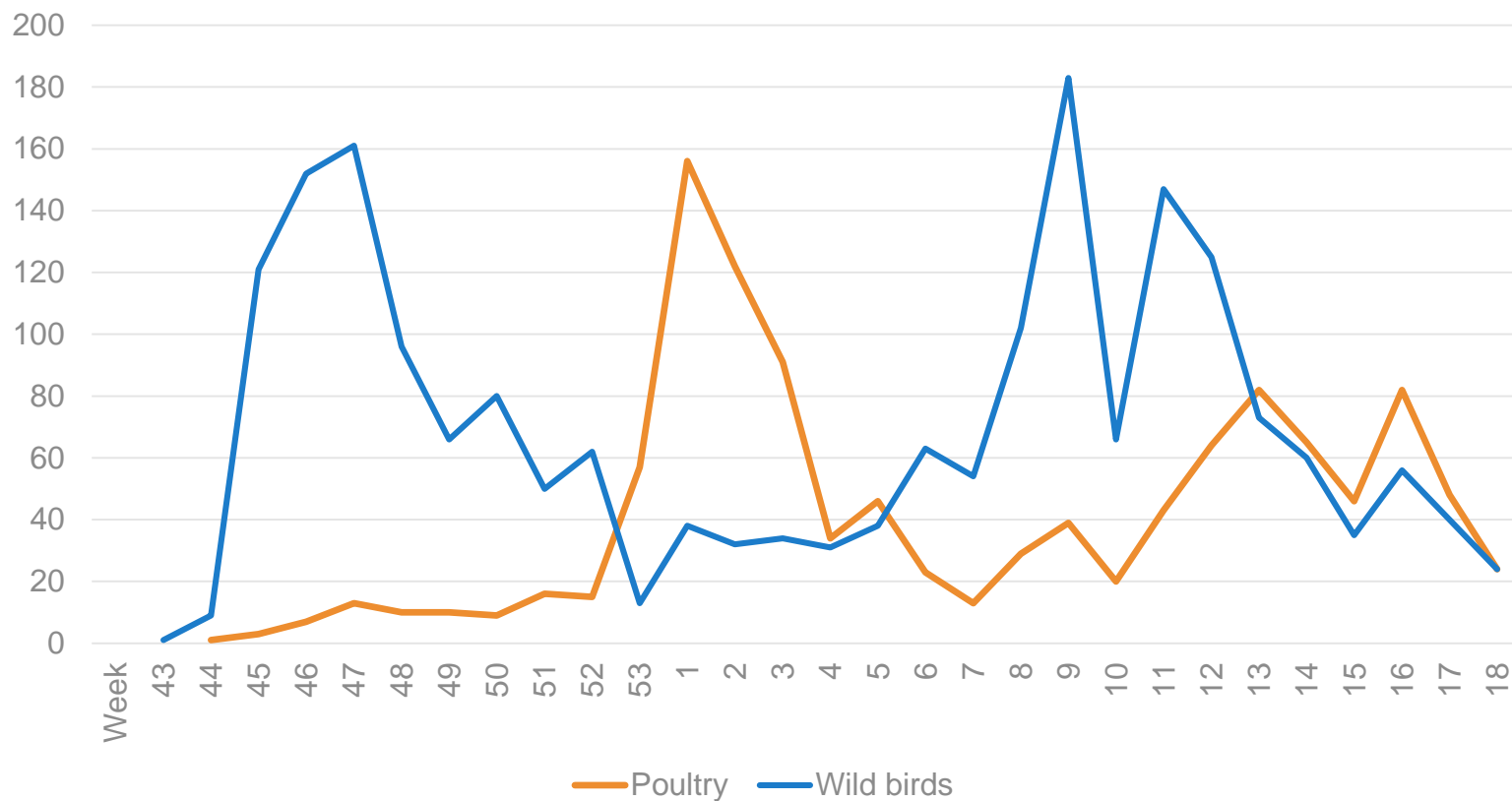
	Member State	Wild birds	Poultry	Total
1	Austria	30		30
2	Belgium	28	2	30
3	Bulgaria	2	8	10
4	Croatia	3	1	4
5	Czechia	28	35	63
6	Denmark	312	12	324
7	Estonia	27	2	29
8	Finland	15	1	16
9	France	21	492	513
10	Germany	1213	213	1426
11	Greece	4		4
12	Hungary	3	7	10
13	Italy	19	3	22
14	Ireland	27	1	28
15	Latvia	36		36
16	Lithuania	15	38	53
17	Netherlands	90	11	101
18	Poland	93	319	412
19	Romania	8	3	11
20	Slovakia	6	2	8
21	Slovenia	6		6
22	Spain	3		3
23	Sweden	81	16	97
	TOTAL	2070	1166	3236

HPAI detections
in EU
during the period
1.10.2020 – 7.05.2021

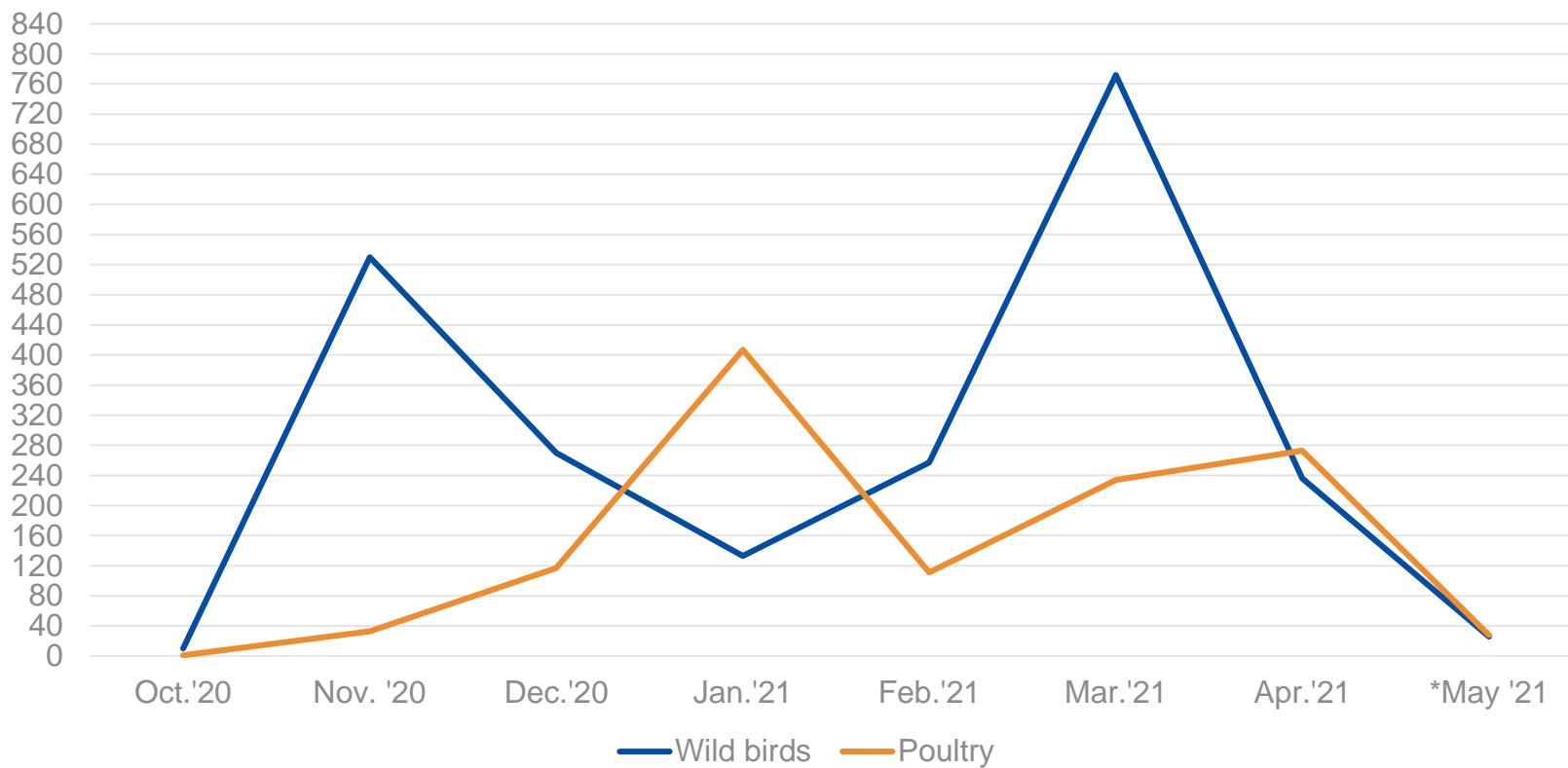
Distribution map of HPAI in Europe (Oct. 2020-May 2021)



Number of HPAI detections/week in 2020/2021 epidemic season

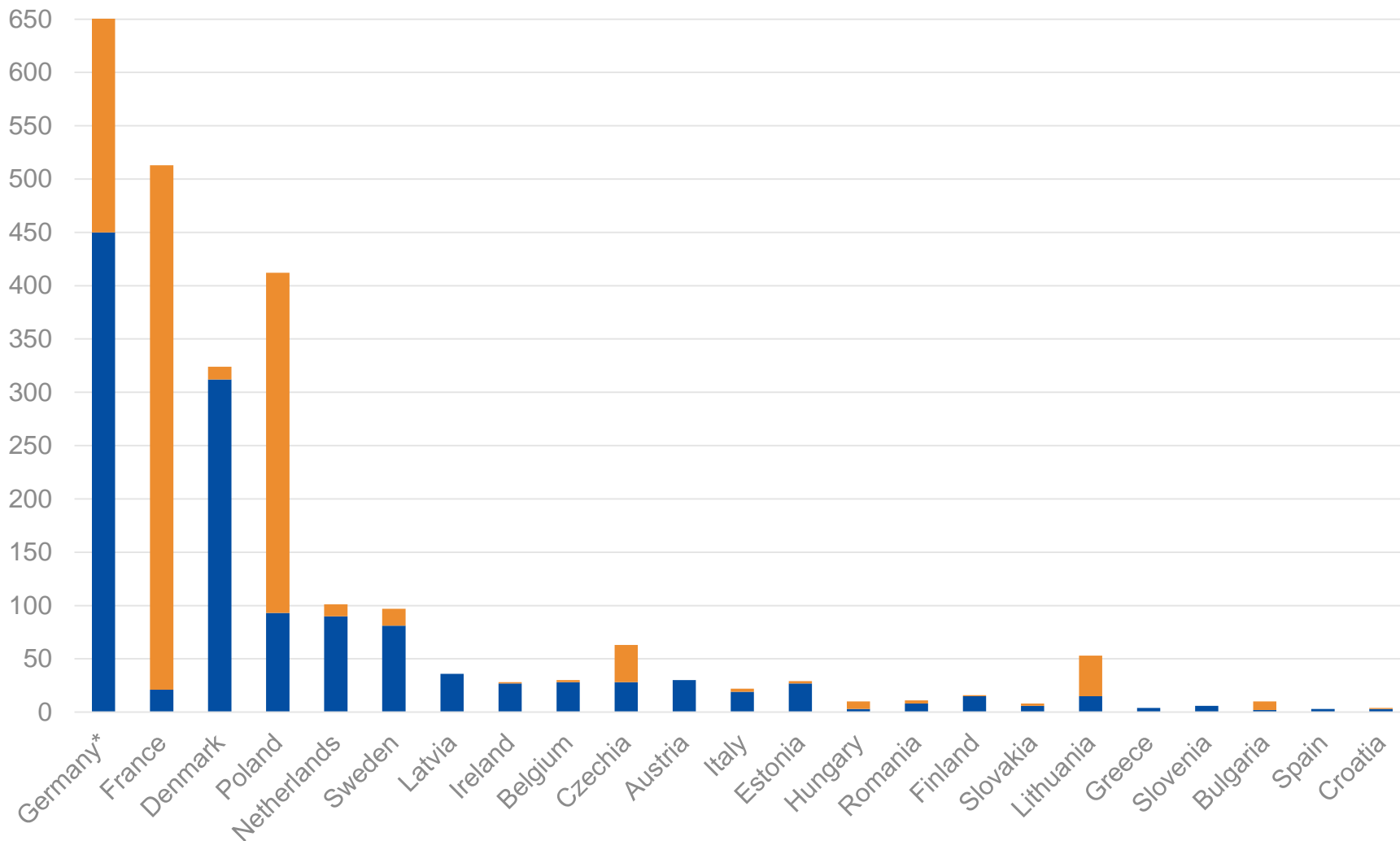


Number of HPAI detections/month in 2020/2021* epidemic season



* Until 7 May 2021

Number of HPAI confirmations by Member States as from 1/10/2020 to 7/5/2021



* Data truncated for wild birds for better visibility

■ Wild birds ■ Poultry

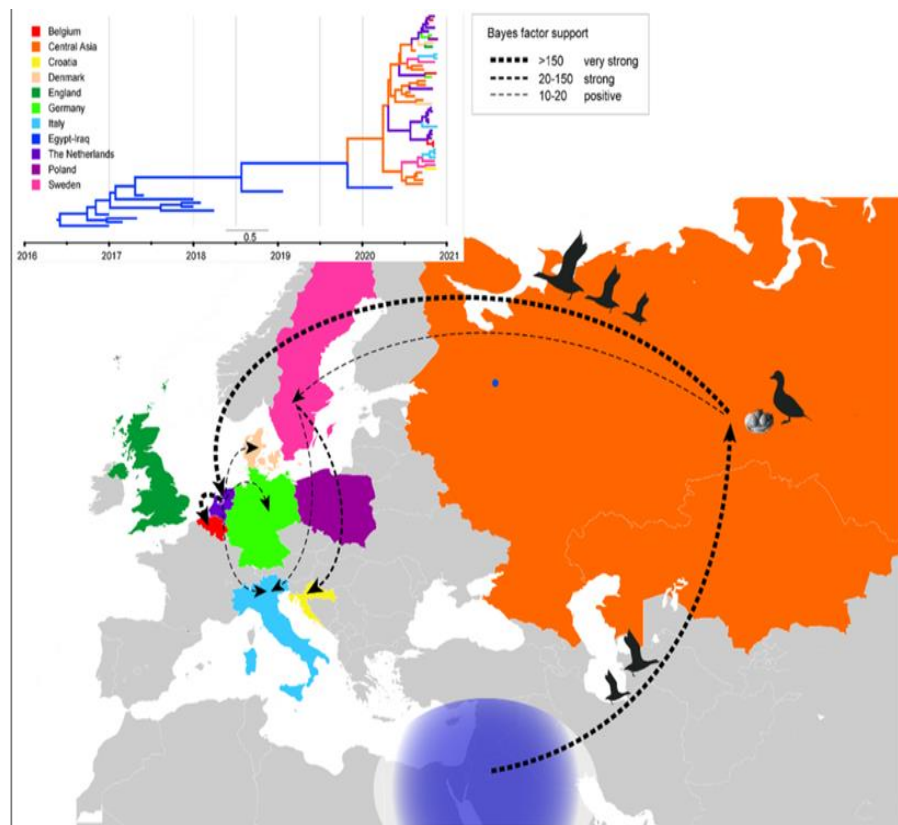
Genetics of H5 HPAI viruses in EU

- **Five identified serotypes:**

- **H5N1**, **H5N3**, **H5N4**, **H5N5**, **H5N8**
- all in a **single group** within clade 2.3.4.4B
- cluster with HPAI H5 viruses detected in Kazakhstan and Russia since summer 2020

- **Fifteen distinct genotypes** (out of 17 detected in Europe, Russia and Kazakhstan) :

- six for **H5N8**, identified in **all countries**; includes **70% of the sequenced viruses**
- eight for **H5N5**
- one for **H5N1**
- one for **H5N3**
- one for **H5N4**



Comparison of HPAI 2016/2017 vs 2020-2021 epidemics in EU

	Number of countries affected	HPAI virus serotypes	Wild birds cases	Poultry outbreaks	Number of poultry affected in outbreaks
2016/2017*	22	H5N5, H5N6, H5N8	1563	1131	~ 9 mil.
2020/2021**	23	H5N1, H5N3, H5N4, H5N5, H5N8	2070	1166	~ 20 mil

*Whole epidemic season (Oct. 2016-Sept.2017)

** Oct. 2020 – 7 May 2021

EFSA scientific reports on avian influenza

Annual Report on surveillance for avian influenza in poultry and wild birds in Member States of the European Union in 2019
<https://www.efsa.europa.eu/en/efsajournal/pub/6349>

Overview of the epidemiological situation

Avian influenza overview – update on 19 November 2020, EU/EEA and the UK

<https://www.efsa.europa.eu/en/efsajournal/pub/6341>

Avian influenza overview August – December 2020

<https://www.efsa.europa.eu/en/efsajournal/pub/6379>

Avian influenza overview December 2020 – February 2021

<https://www.efsa.europa.eu/en/efsajournal/pub/6497>

Information web links

DG SANTE

DG Health and Food Safety: Avian influenza

https://ec.europa.eu/food/animals/animal-diseases/control-measures/avian-influenza_en

Standing Committee of Plants, Animals, Food and Feed (PAFF) meetings, presentations and summary reports:

https://ec.europa.eu/food/animals/health/regulatory_committee/presentations_en

EURL for AI & ND

<https://www.izsvenezie.com/reference-laboratories/avian-influenza-newcastle-disease/europe-update/>



Thank you



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