



Update on
Highly Pathogenic Avian Influenza
2021-2022 epidemic season

SCoPAFF AHW
9 - 10 June 2022

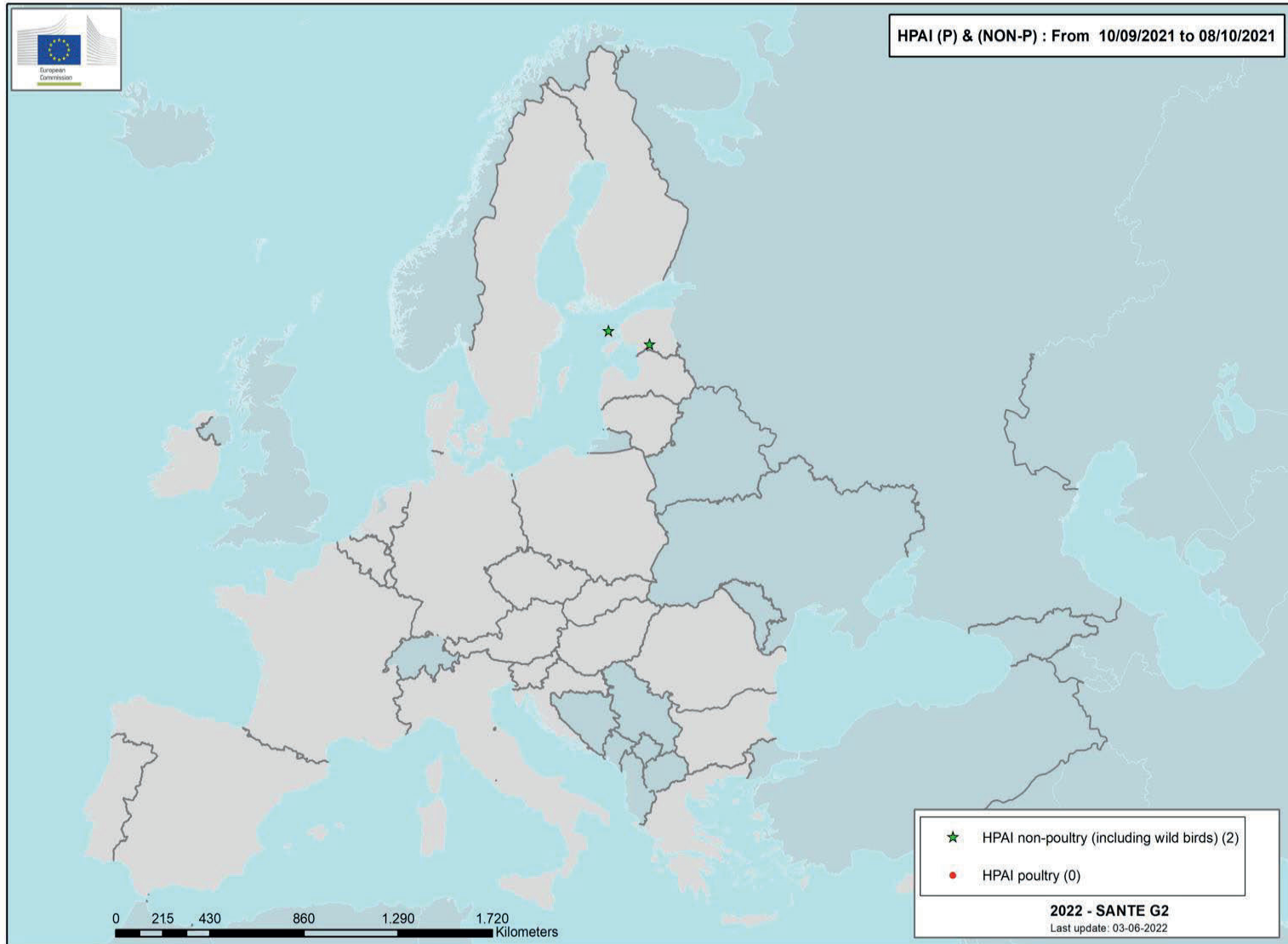
DG Health and Food Safety
Unit G2 – Animal Health

OUTLINE

1. HPAI in EU
2. HPAI worldwide

HPAI in EU

EU situation Sept. 2021 – June 2022



EU situation June 2022



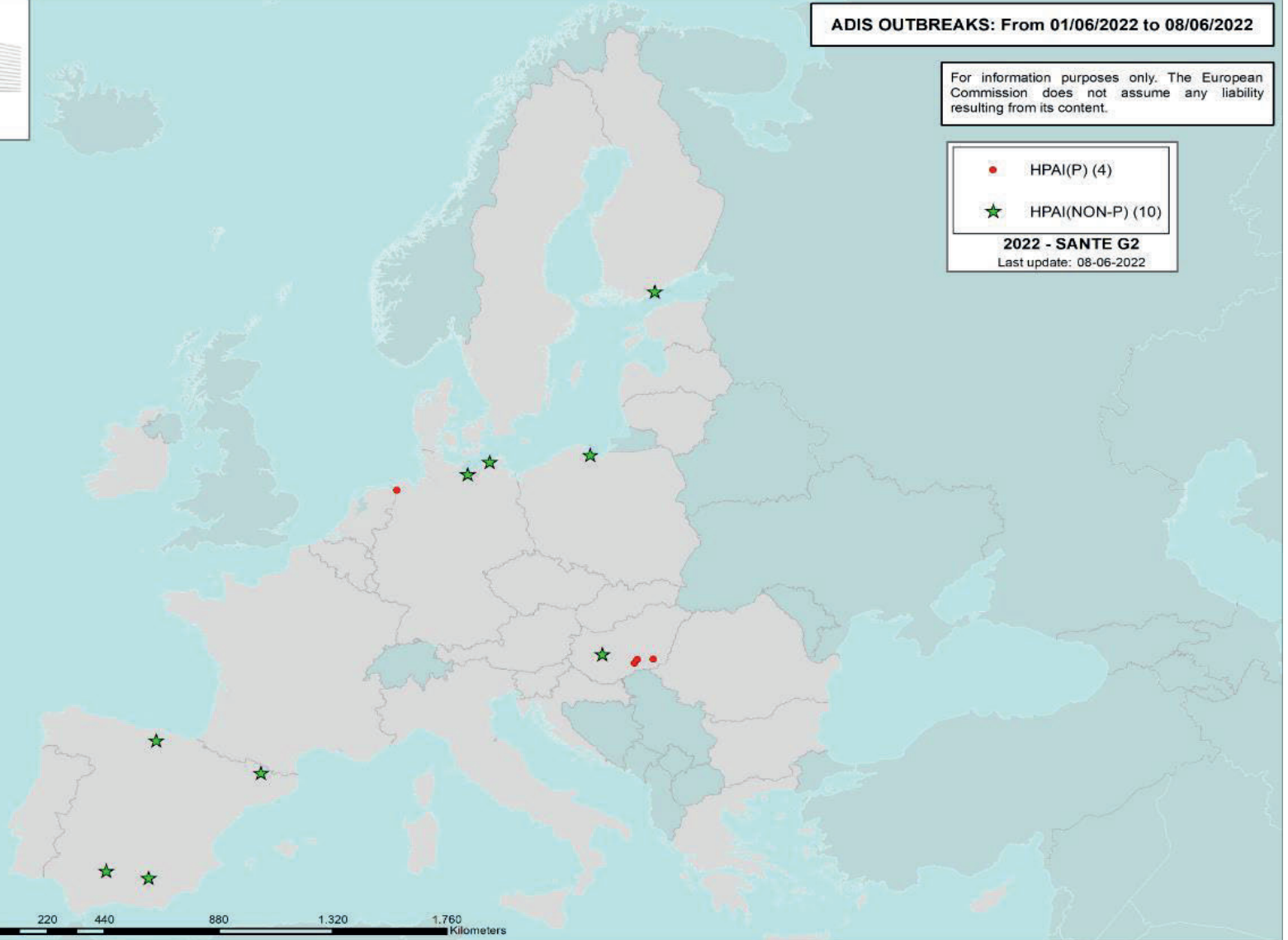
ADIS OUTBREAKS: From 01/06/2022 to 08/06/2022

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- HPAI(P) (4)
- ★ HPAI(NON-P) (10)

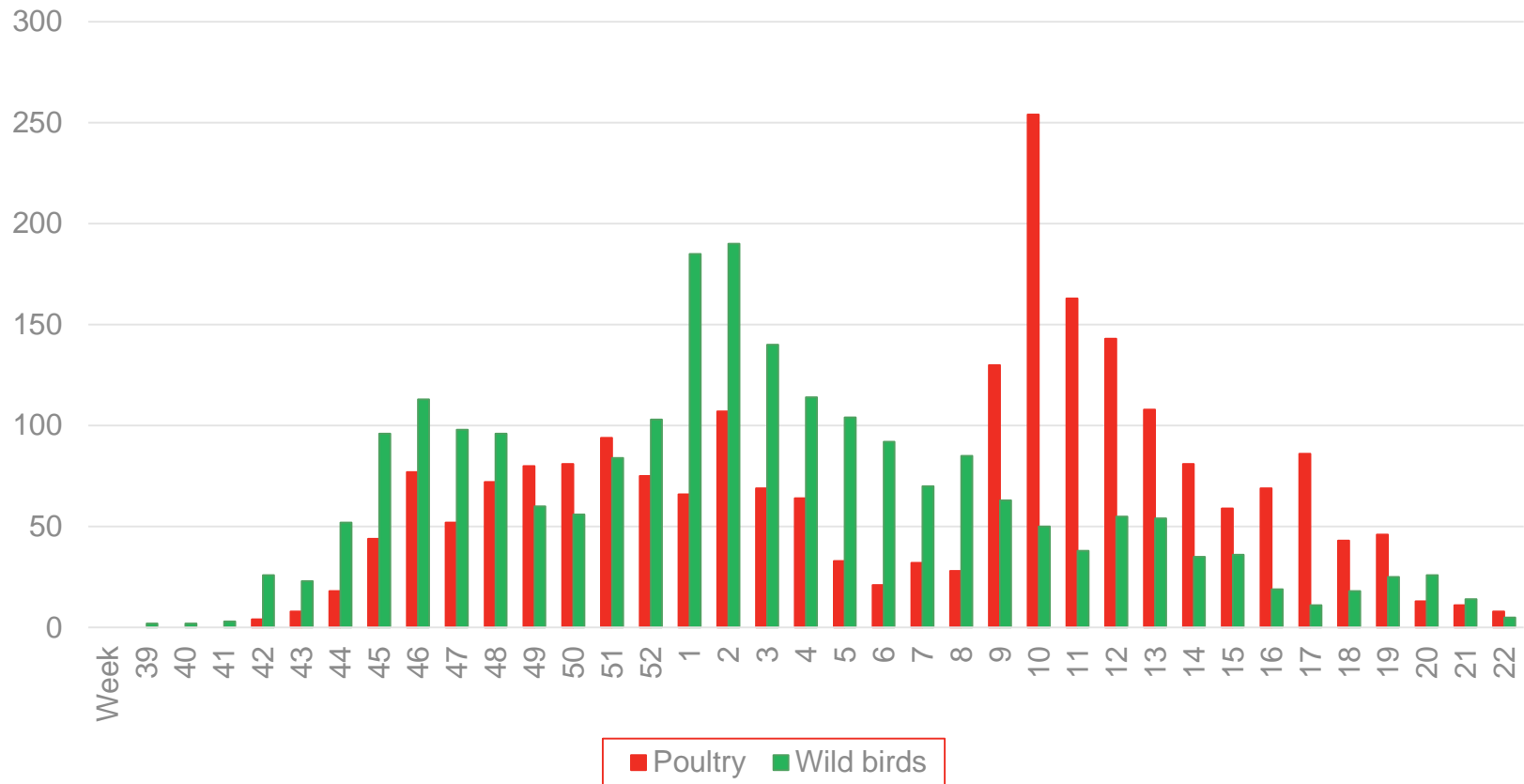
2022 - SANTE G2
Last update: 08-06-2022

0 220 440 880 1.320 1.760 Kilometers

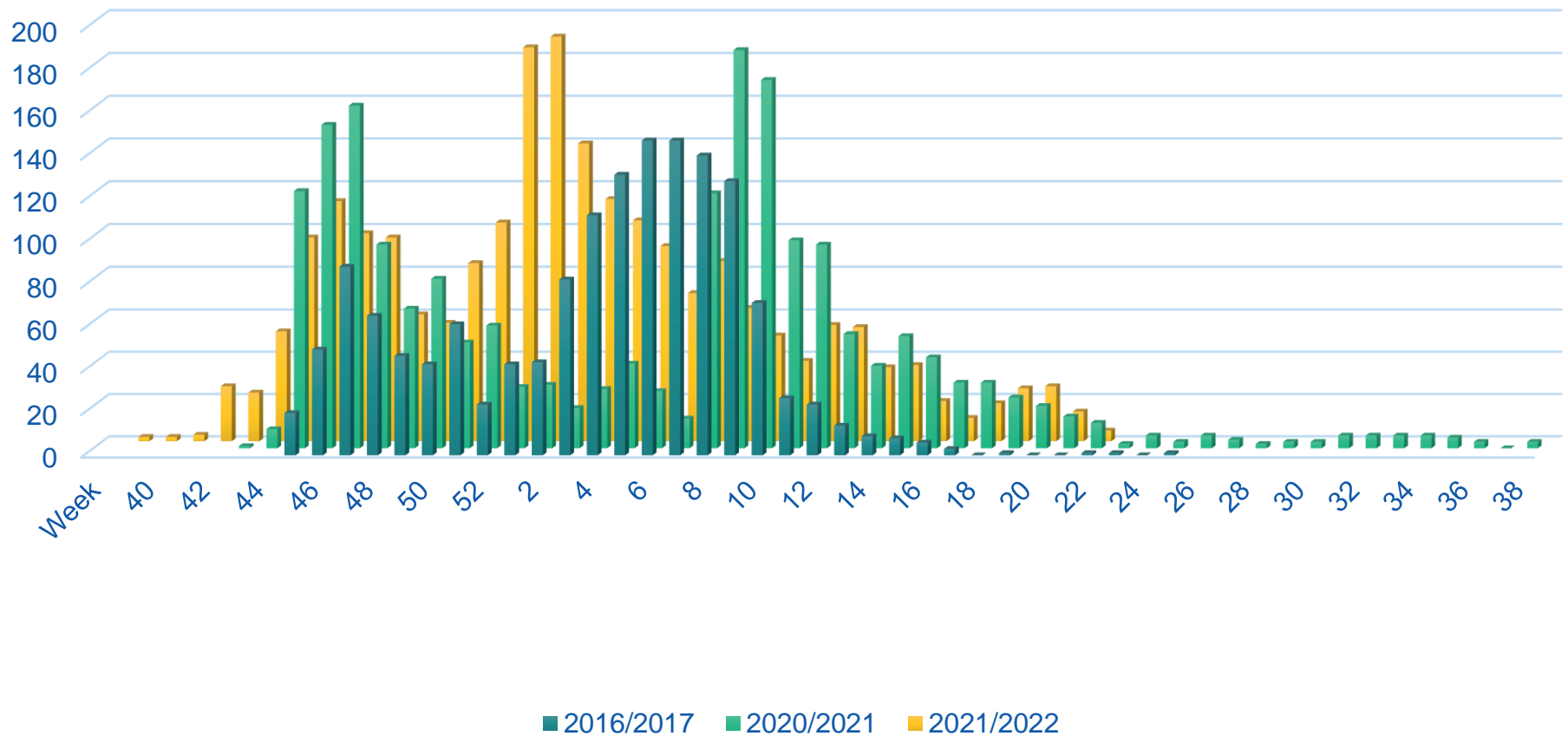


HPAI outbreaks per week

2021-2022 epidemic season



HPAI detections in wild birds/ week in different epidemic seasons



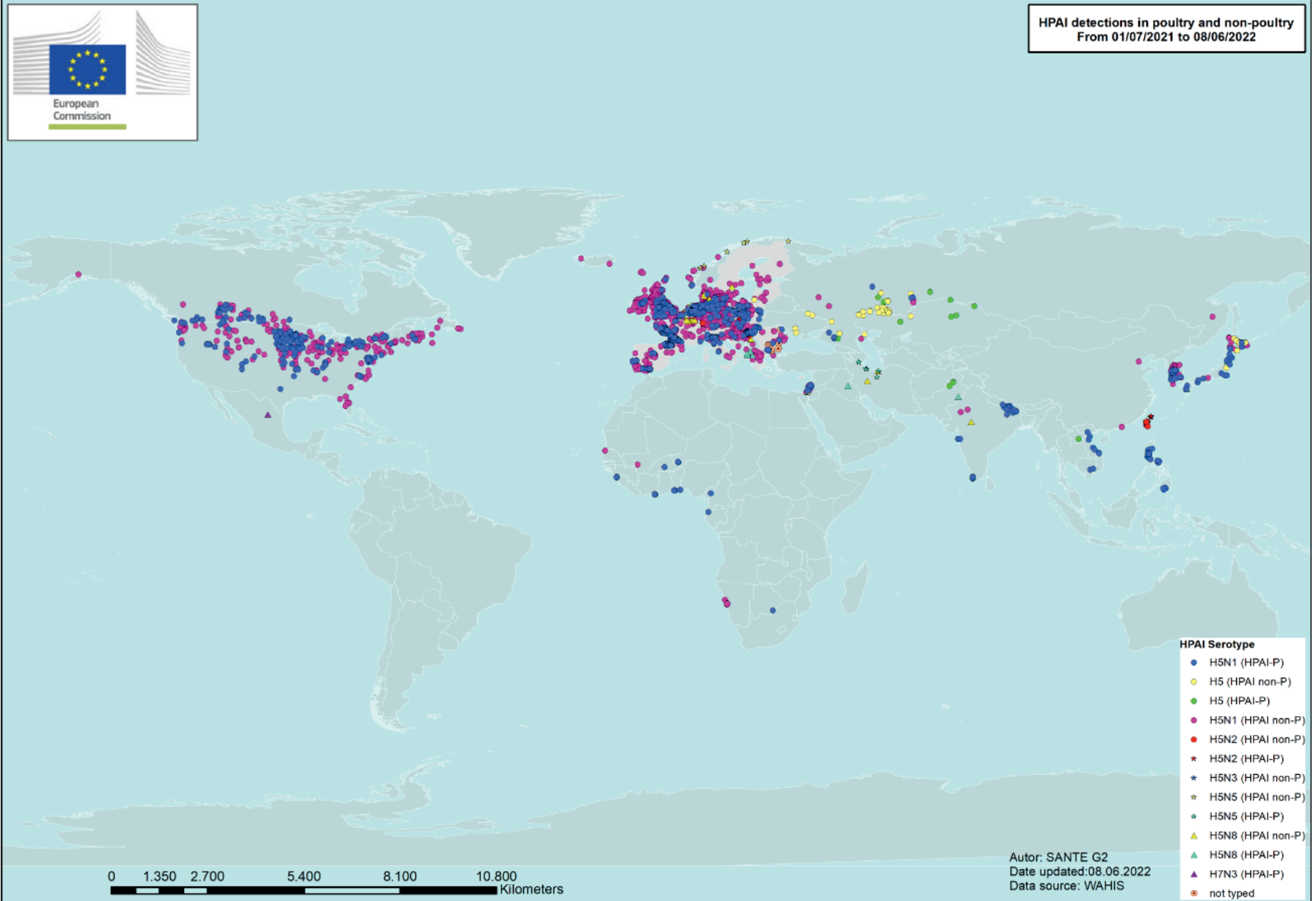
HPAI epidemics in EU, in figures

Epidemic season	Number of Member States where HPAI detected in wild birds and or poultry	HPAI virus serotypes	Wild birds detections	Poultry outbreaks	Number of poultry affected in outbreaks
2016/2017	22	H5N5, H5N6, H5N8	1563	1132	~ 9 million
2020/2021	24	H5N1, H5N3, H5N4, H5N5, H5N8	2330	1241	> 23 million
2021/2022*	25	H5N1 , H5N2, H5N3, H5N8	2512	2308**	> 44.5 million

- until 8 June 2022
- **of which 1378 in FR

HPAI worldwide

Worldwide situation



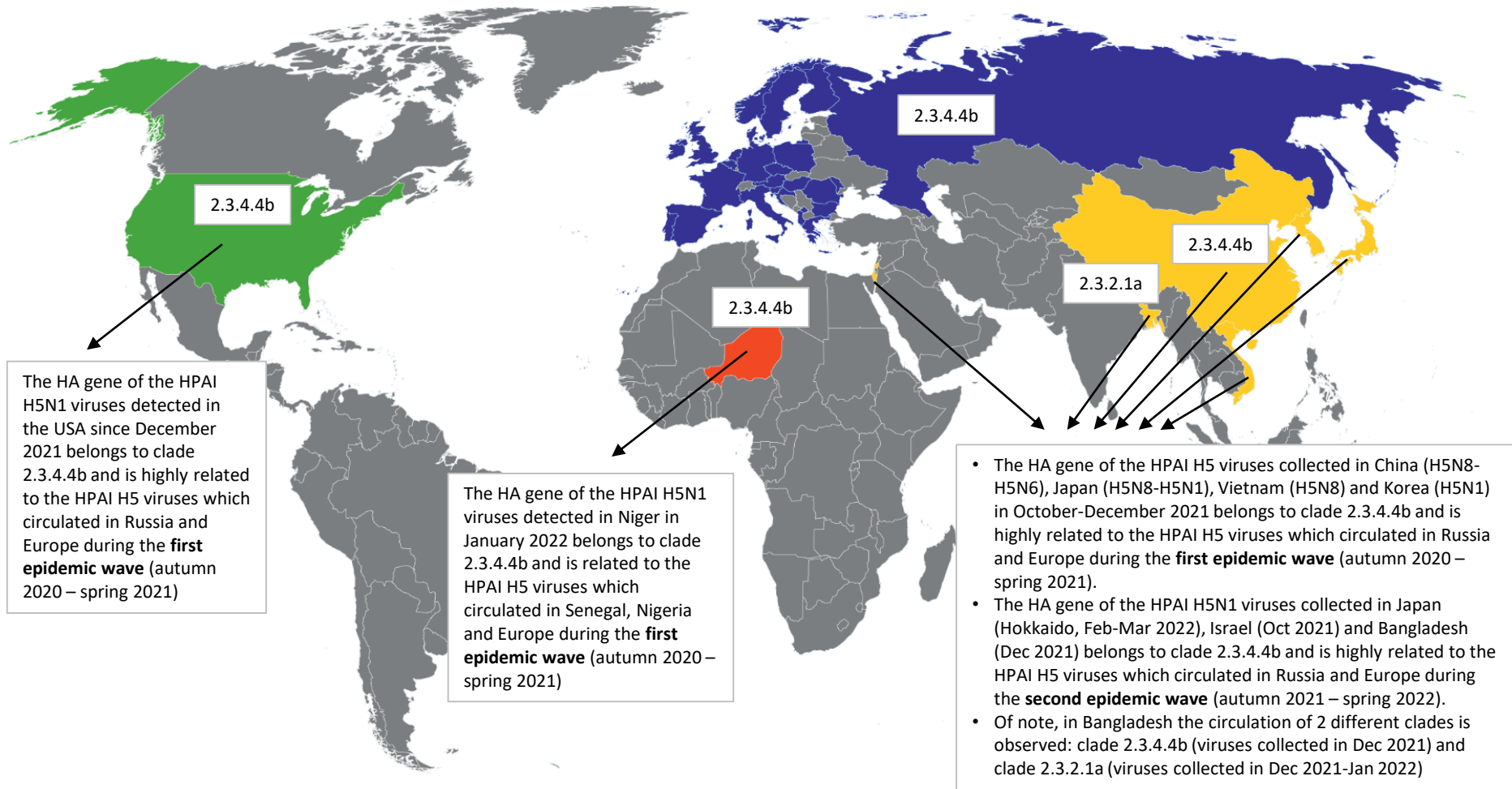
Genetic characterization of HPAI viruses of the A(H5) subtype circulating in Europe-USA-Asia-Africa, in Sept 2021 - Mar 2022 (1)

All the HPAI H5 viruses collected between September 2021 and March 2022 in Europe, USA, Asia, Africa (available in GISAID on 20th May 2022) belong to clade 2.3.4.4b, except for 5 H5N1 viruses from Bangladesh belonging to clade 2.3.2.1a.

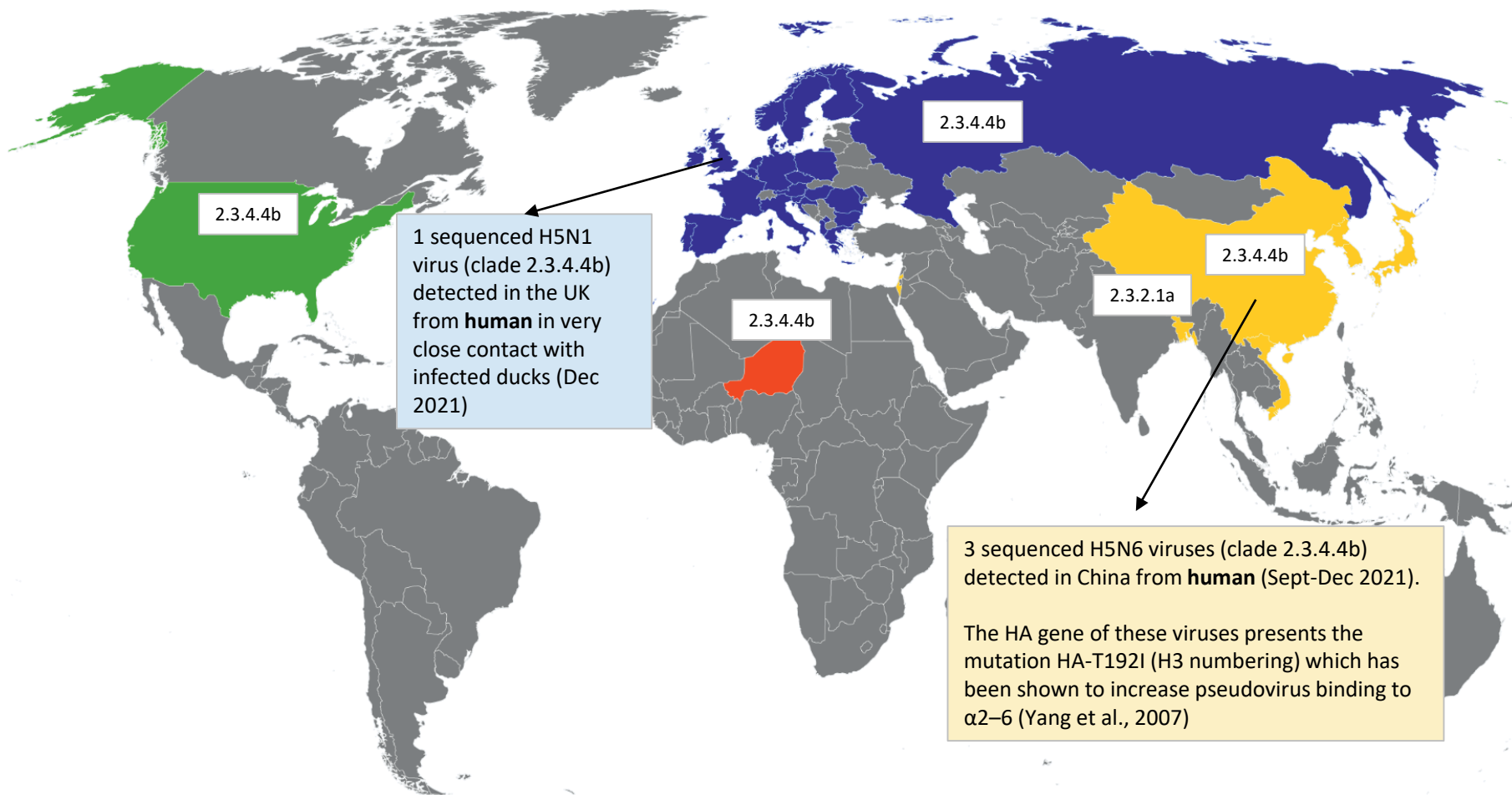
Number of sequences collected from September 2021 to March 2022 (GISAID)

	H5N1	H5N2	H5N3	H5N5	H5N6	H5N8	Tot
Europe	384	3	1	2	0	22	412
Russia	61	0	0	1	0	0	62
Bangladesh	6	0	0	0	0	0	6
China	0	0	0	0	17	1	18
Israel	1	0	0	0	0	0	1
Japan	4	0	0	0	0	3	7
Korea	2	0	0	0	0	0	2
Vietnam	0	0	0	0	0	1	1
Niger	6	0	0	0	0	0	6
USA	170	0	0	0	0	0	170
Tot	634	3	1	3	17	27	685

Genetic characterization of HPAI viruses of the A(H5) subtype circulating in Europe-USA-Asia-Africa, in Sept 2021 - Mar 2022 (2)



Human cases – September 2021- March 2022



Thank you for your attention



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