



Update on avian influenza

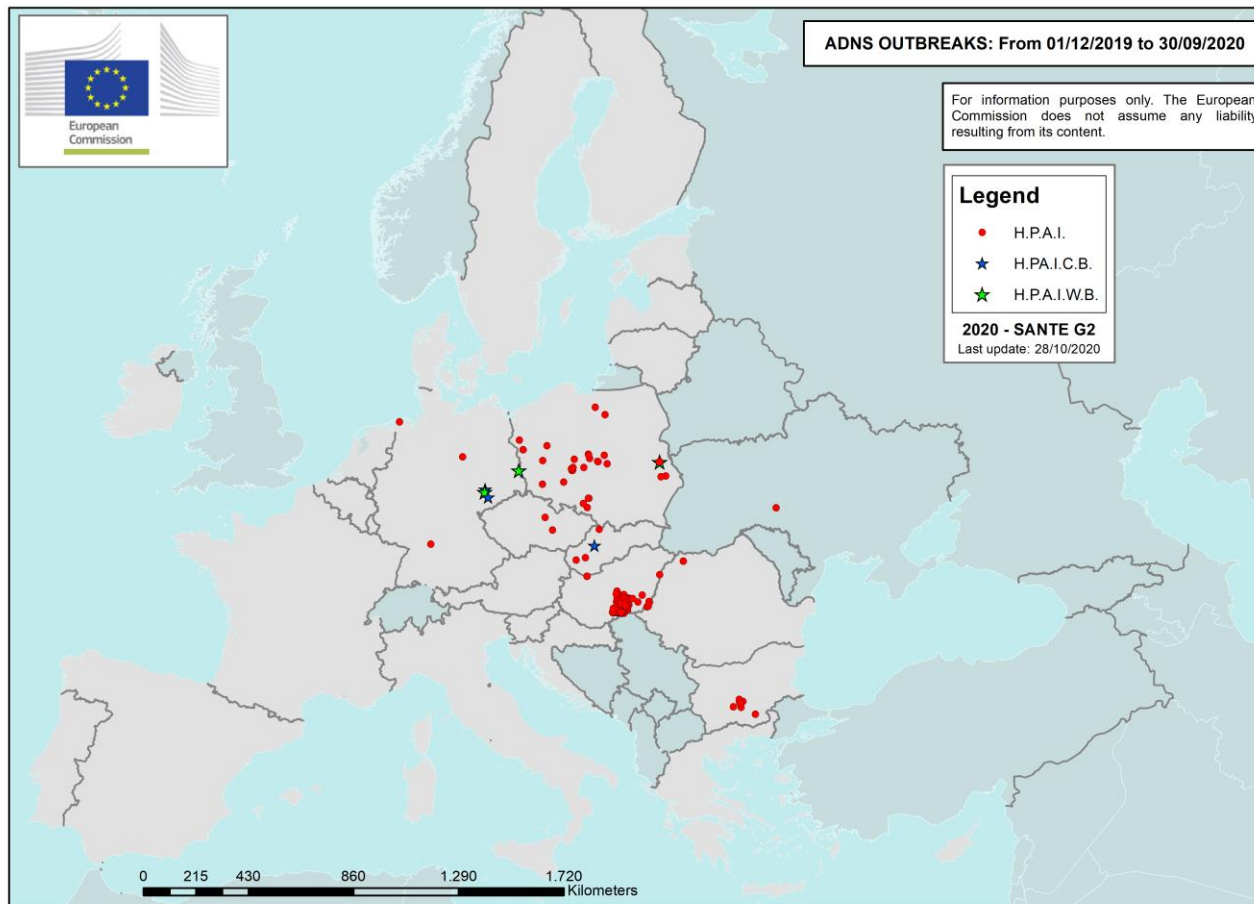
Animal Health Advisory Committee 29 October 2020

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

Overview of HPAI in EU (Jan-Sept 2020)

Member State	Poultry	Captive birds	Wild birds	Virus subtype
HUNGARY	273			H5N8
POLAND	35		1 hawk	H5N8
BULGARIA	9			5 x H5N8 3 x H5N2 1 x H5N8/H5N2
GERMANY	3	2	1 white fronted goose 1 common buzzard	H5N8
SLOVAKIA	3	1		H5N8
CZECHIA	2			H5N8
ROMANIA	2			H5N8
Total	327	3	3	

Distribution map of HPAI in Europe (Jan-Sept 2020)

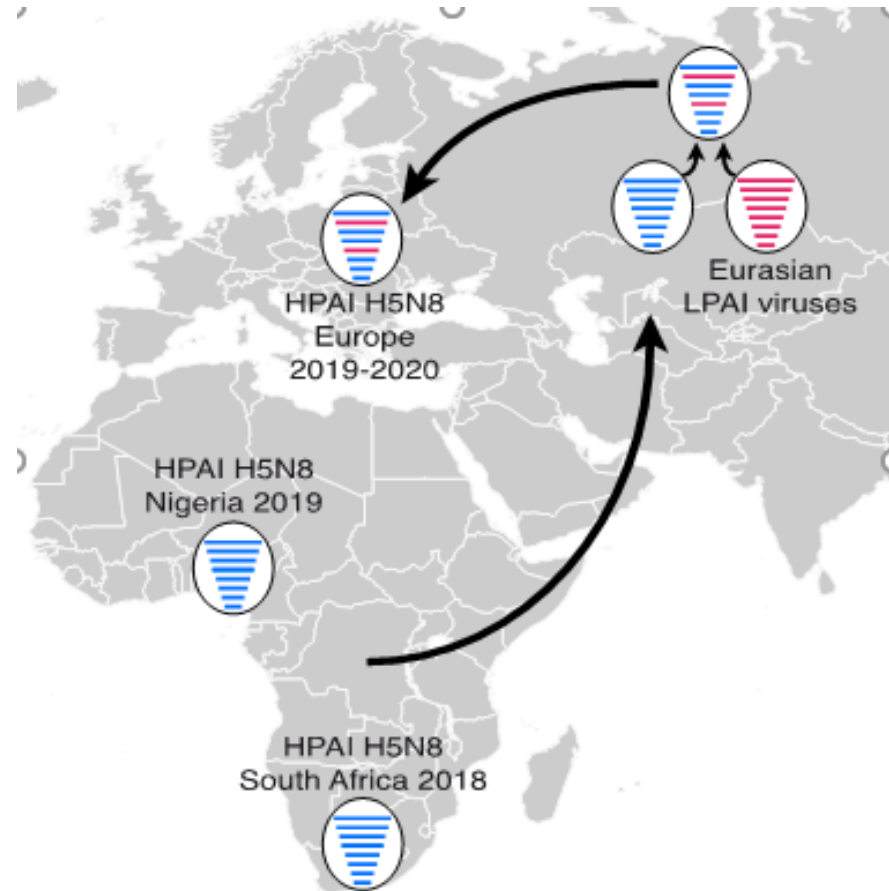


HPAI in EU in Jan-Sept 2020

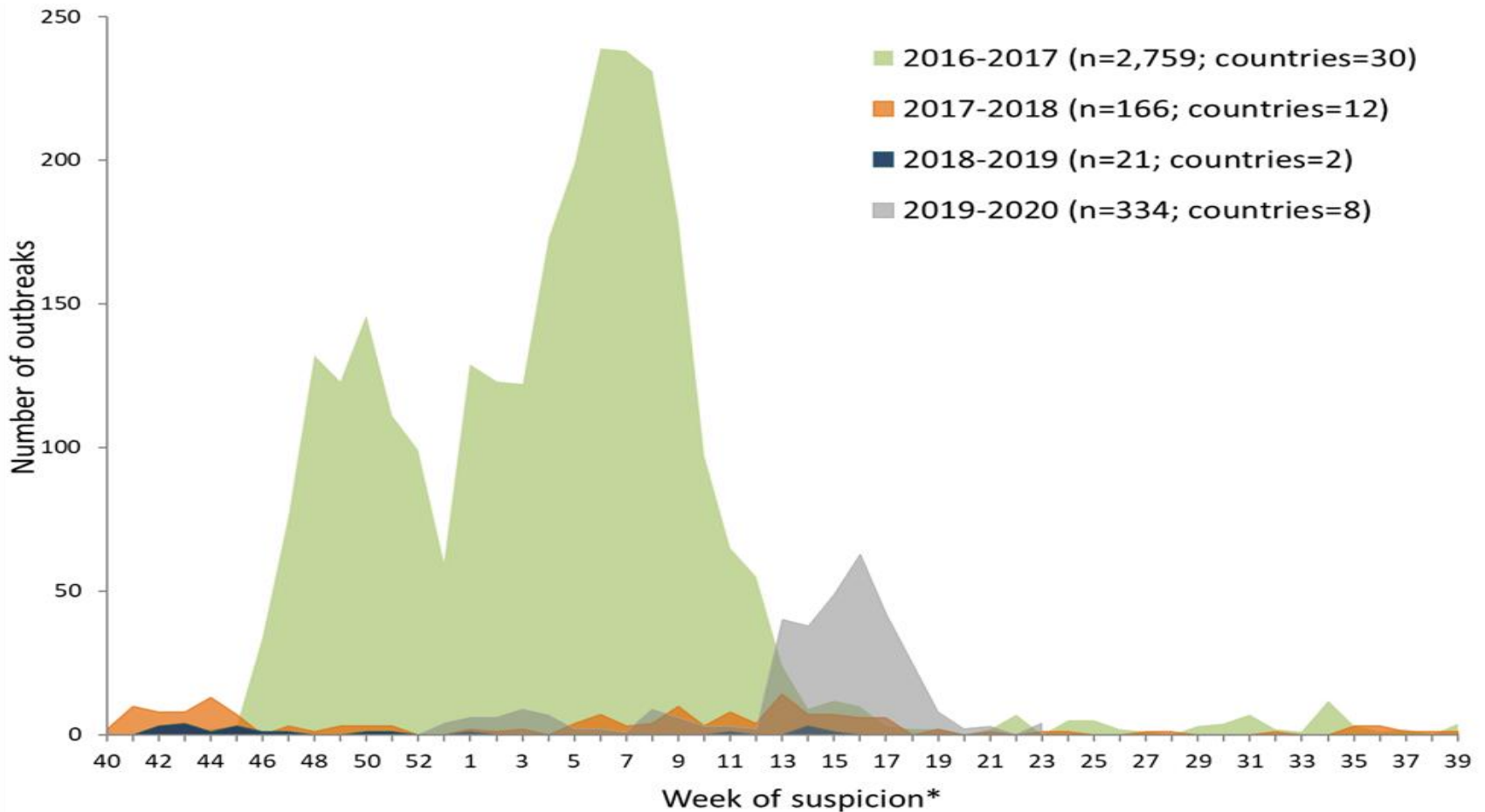
Phylogenetic analysis of HPAI H5N8 virus

The 2020 H5N8 HPAI virus:

- **different from the previous viruses** that circulated in Europe.
- **reassortant virus which has emerged in EurAsia** before reaching the EU countries:
 - ✓ similarity at HA, NE gene segment with a virus collected in Nigeria in 2019 and with the South African virus A/quail/South Africa/AI5930/2018 (H5N8)
 - ✓ similarity with LPAI viruses (H3N8, H12N5) identified in wild birds in those areas of EurAsia (near Kazakhstan) during 2017-2018

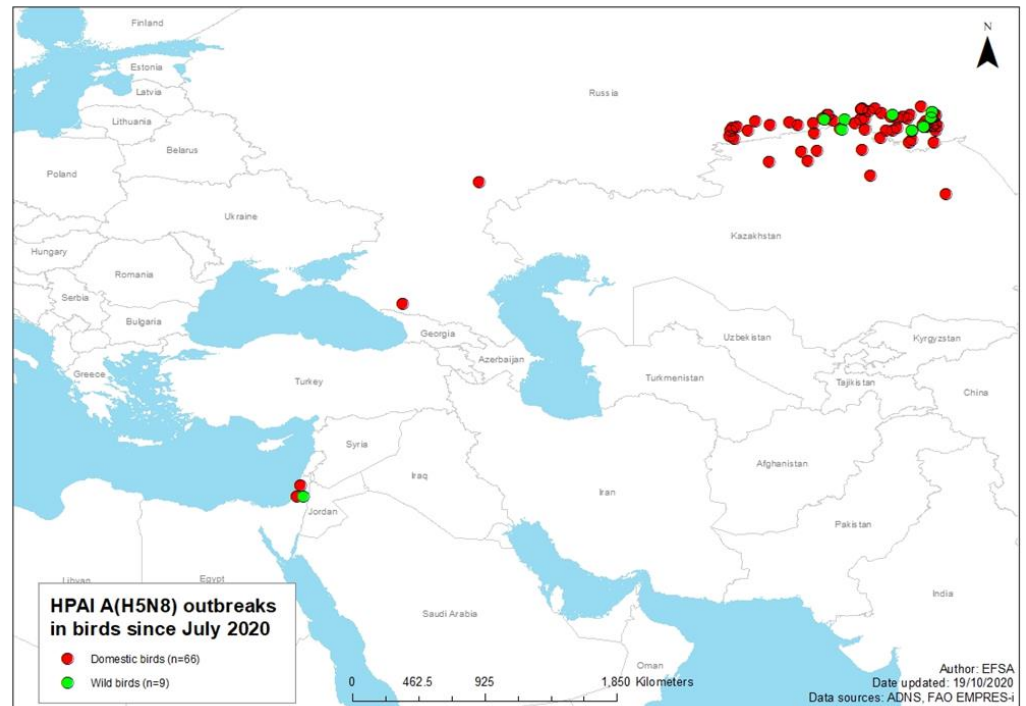


Distribution of HPAI outbreaks in Europe *by epidemic season and week*



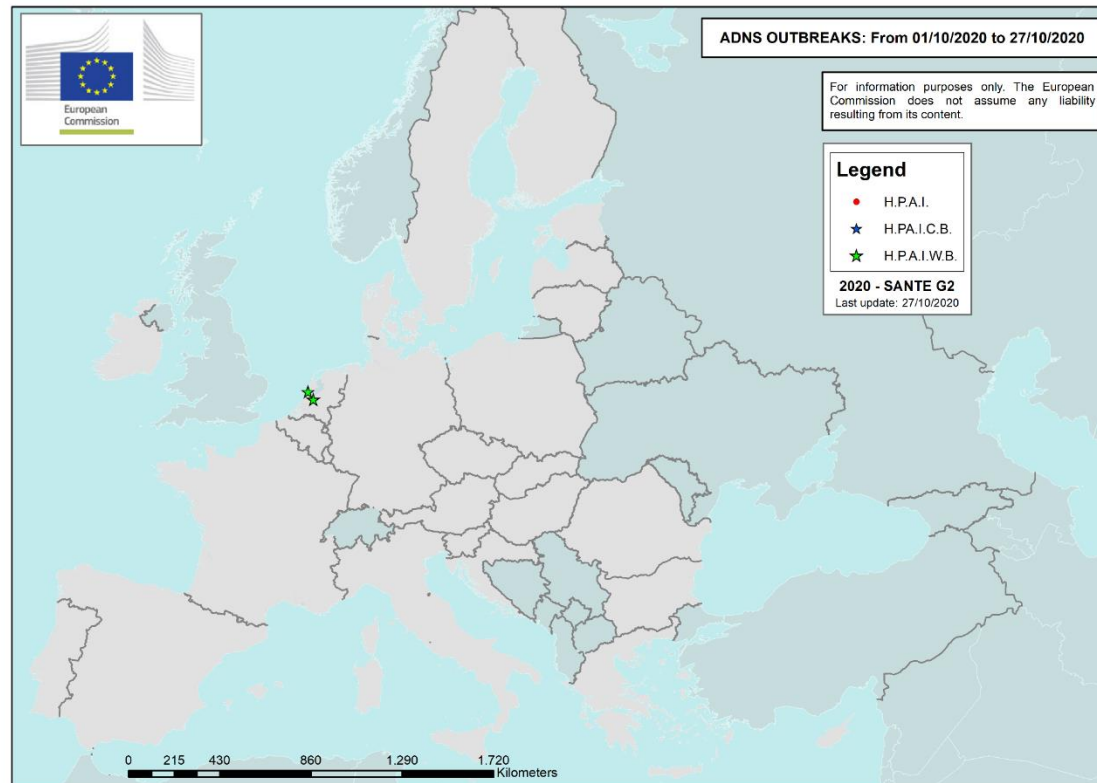
HPAI - warning signs

- H5N8 detected in last months in poultry and wild birds in Russia, Kazakhstan and recently in Israel
- possible spread via wild birds migrating to the EU in the coming months



HPAI current situation

- ❑ **No outbreaks in poultry** since beginning of June.
- ❑ **2 wild birds positive for HPAI H5N8 in NL:**
 - **1 Mute Swan** (*Cygnus Olor*) (non migratory)
 - **1 Eurasian Wigeon** (*Mareca penelope*) (migratory)
 - virus **not directly related to the H5N8** viruses detected in Eastern Europe and Germany in the beginning of 2020

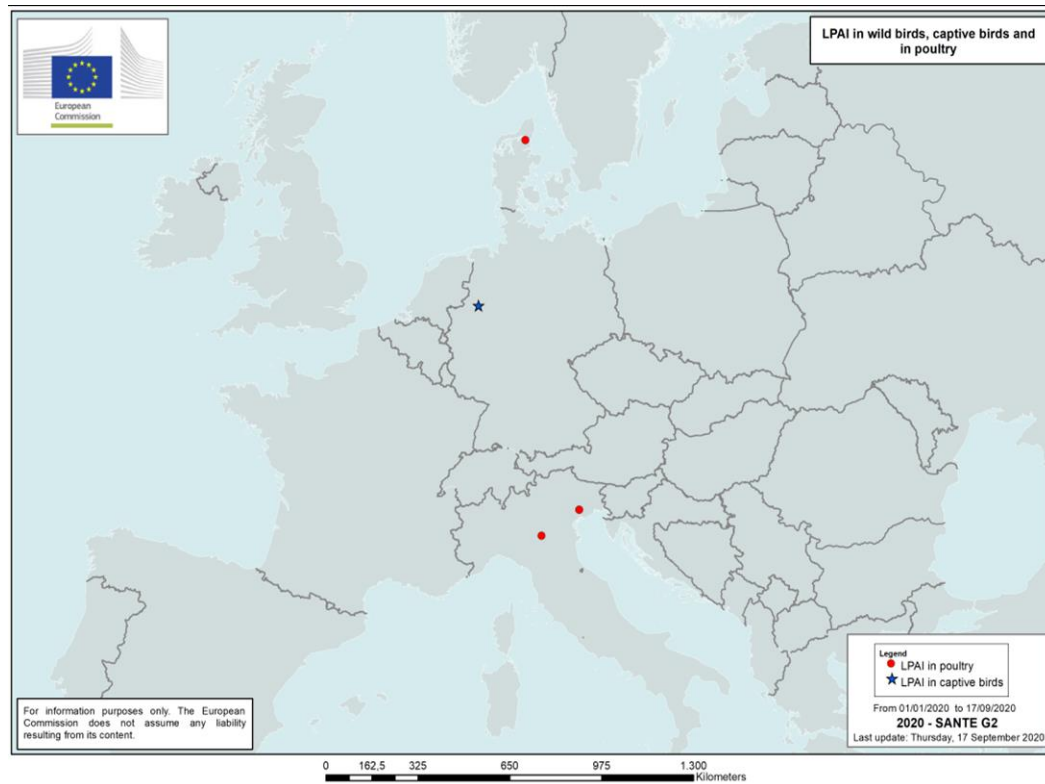


Decision 2018/1136

on *risk mitigation and reinforced biosecurity* measures and *early detection systems*

- identification of the '**high risk areas**'
- risk mitigation and **reinforced biosecurity measures**
- **awareness** raising
- **early detection** systems in poultry flocks
- **increased surveillance** in wild birds
- **additional temporary measures** in the event of confirmation of cases of HPAI in wild birds

LPAI in EU in Jan-Oct 2020



Denmark
(poultry)

H5N1
organic
laying
hens

Italy
(poultry)

**2 x
H7N1**
turkeys

1x H5
ostriches

Germany
(captive
birds)

H5N8
guinea
fowl

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 2018

<https://www.efsa.europa.eu/en/efsajournal/pub/5945>

Overview of the epidemiological situation

Avian influenza overview November 2019 – February 2020

<https://www.efsa.europa.eu/en/efsajournal/pub/6096>

Avian influenza overview February – May 2020

<https://www.efsa.europa.eu/en/efsajournal/pub/6194>

Avian influenza overview May – August 2020

<https://www.efsa.europa.eu/en/efsajournal/pub/6270>

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



Thank you



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