



Update on Highly Pathogenic Avian Influenza

CDG on Poultry and eggs

17 September 2024

**DG Health and Food Safety
Unit G2 – Animal Health**

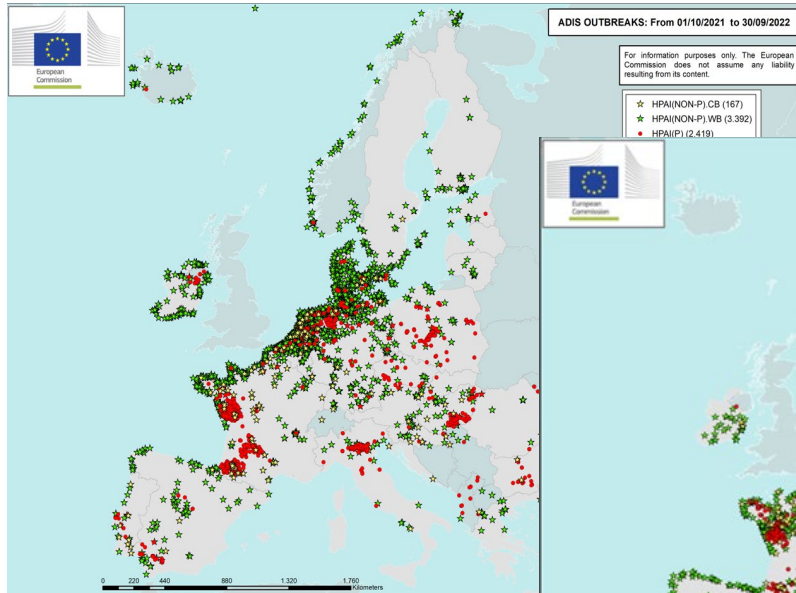
OUTLINE

1. Summary of HPAI epidemic seasons
2. HPAI vaccination

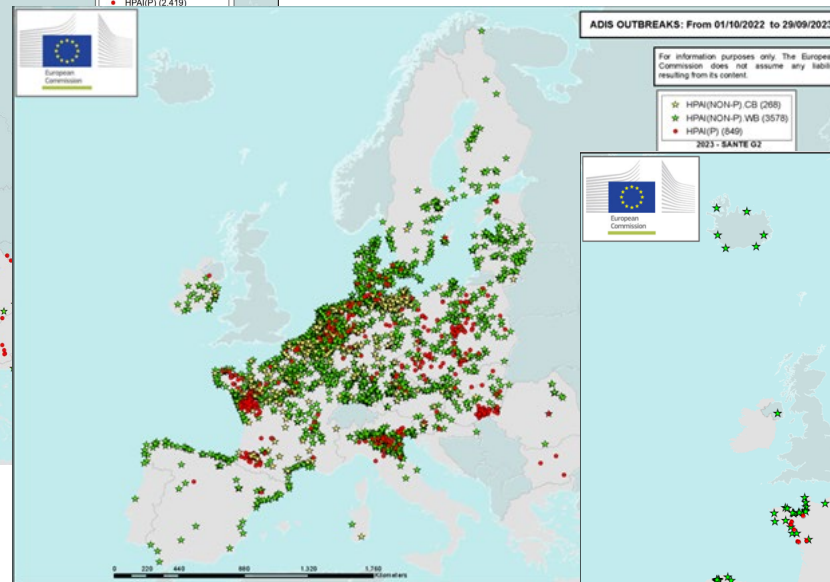
Summary of HPAI epidemic seasons

HPAI IN EUROPE IN BIRDS IN 2021 - 2024

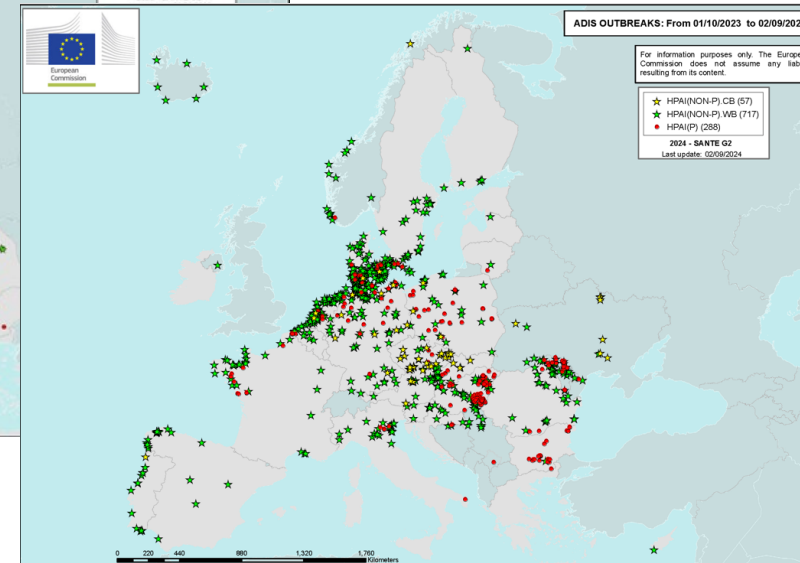
Oct 2021 – Sept 2022



Oct 2022 – Sept 2023

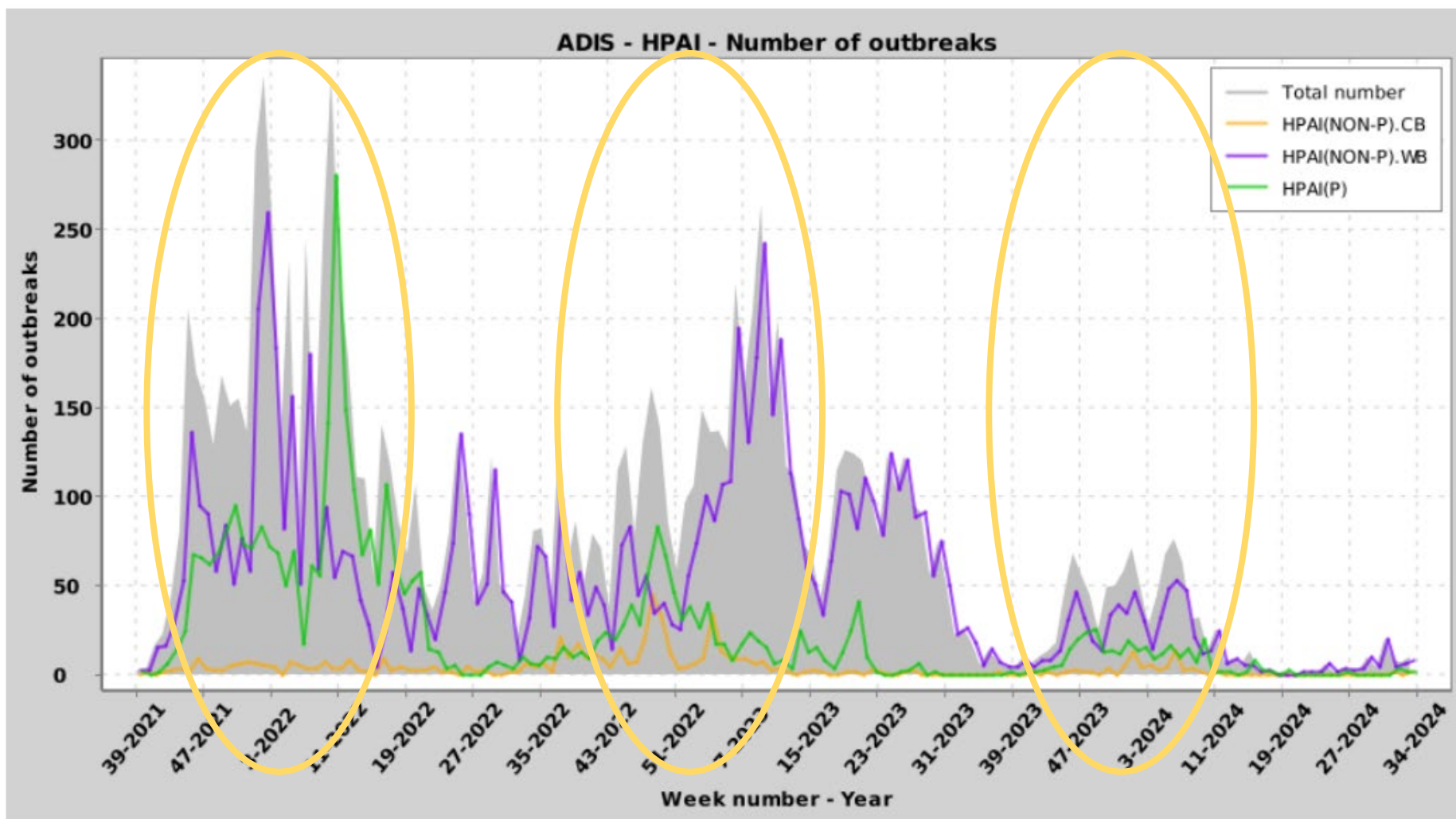


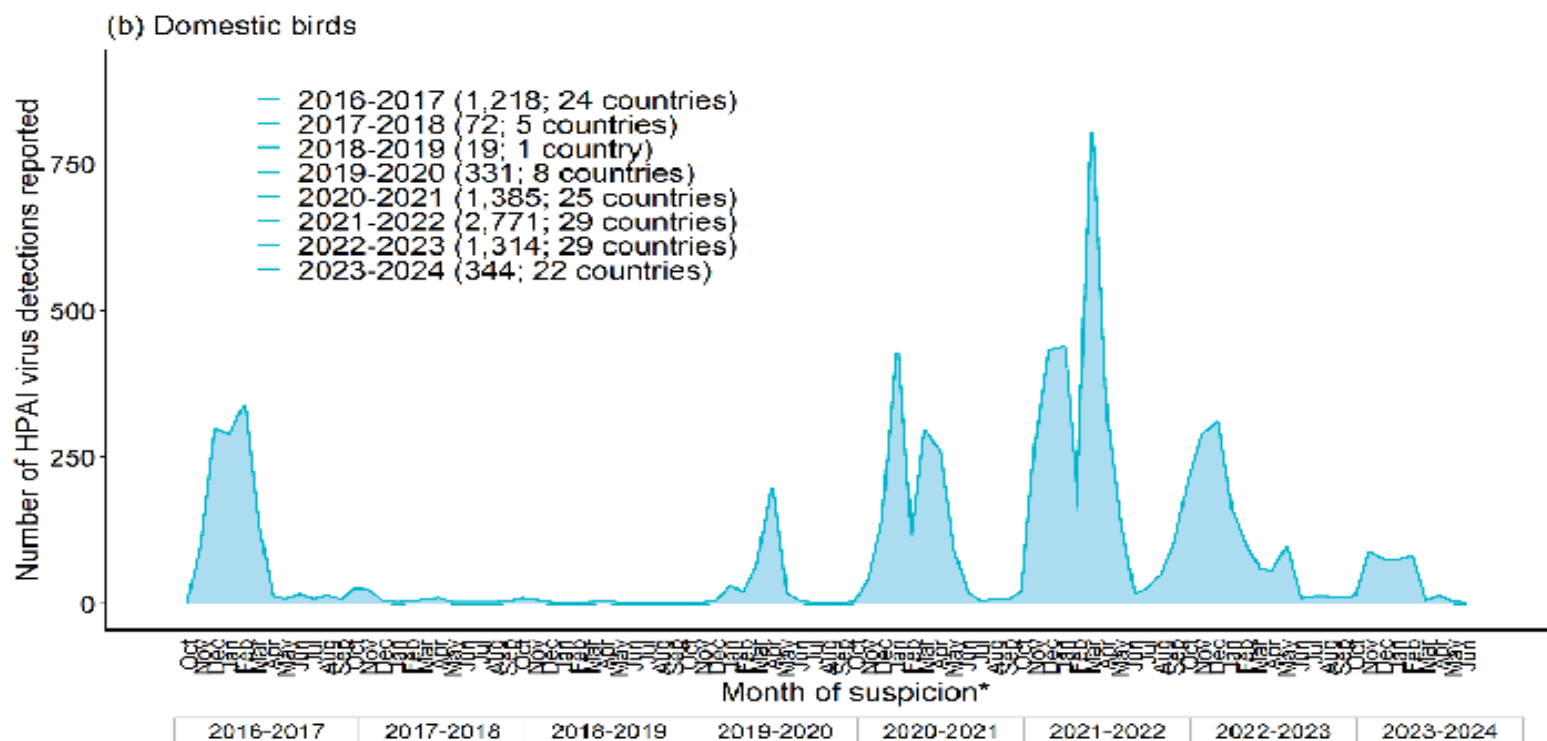
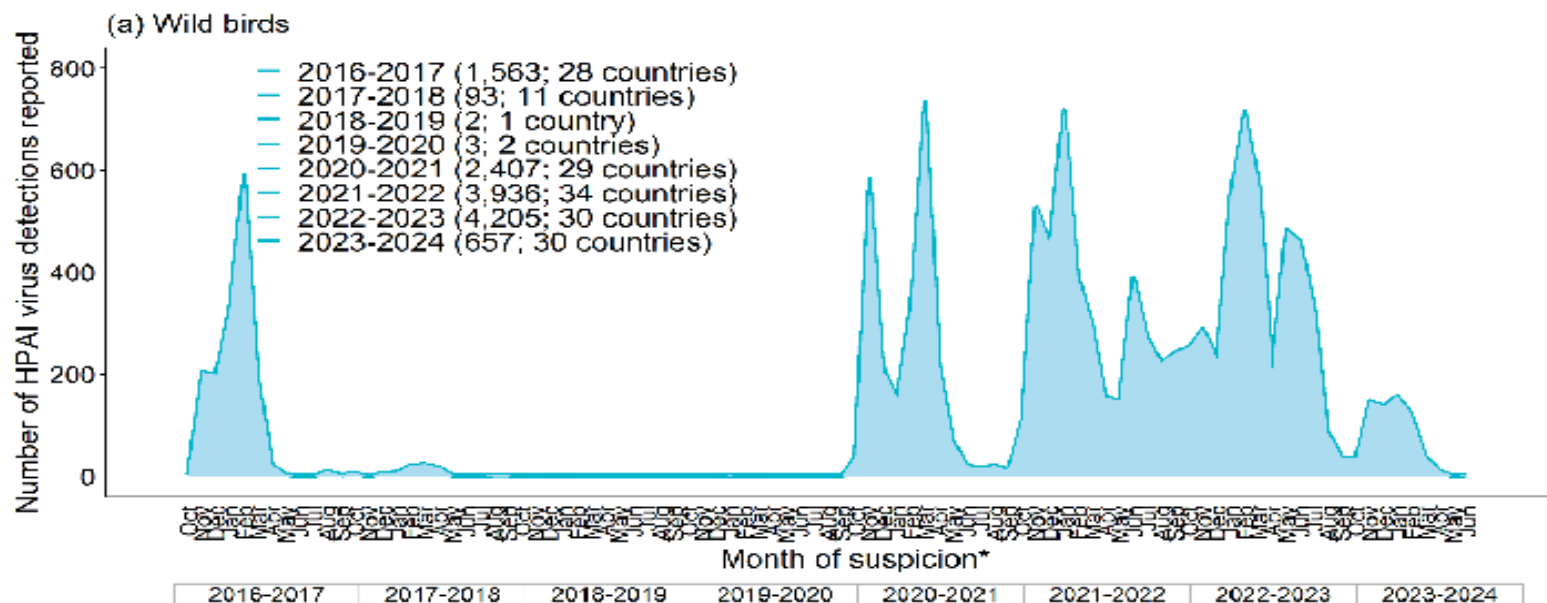
Oct 2023 – Sept 2024



Virus spread with wild birds in all parts of Europe

Recurrent clusters in poultry in certain areas with high density of certain poultry production

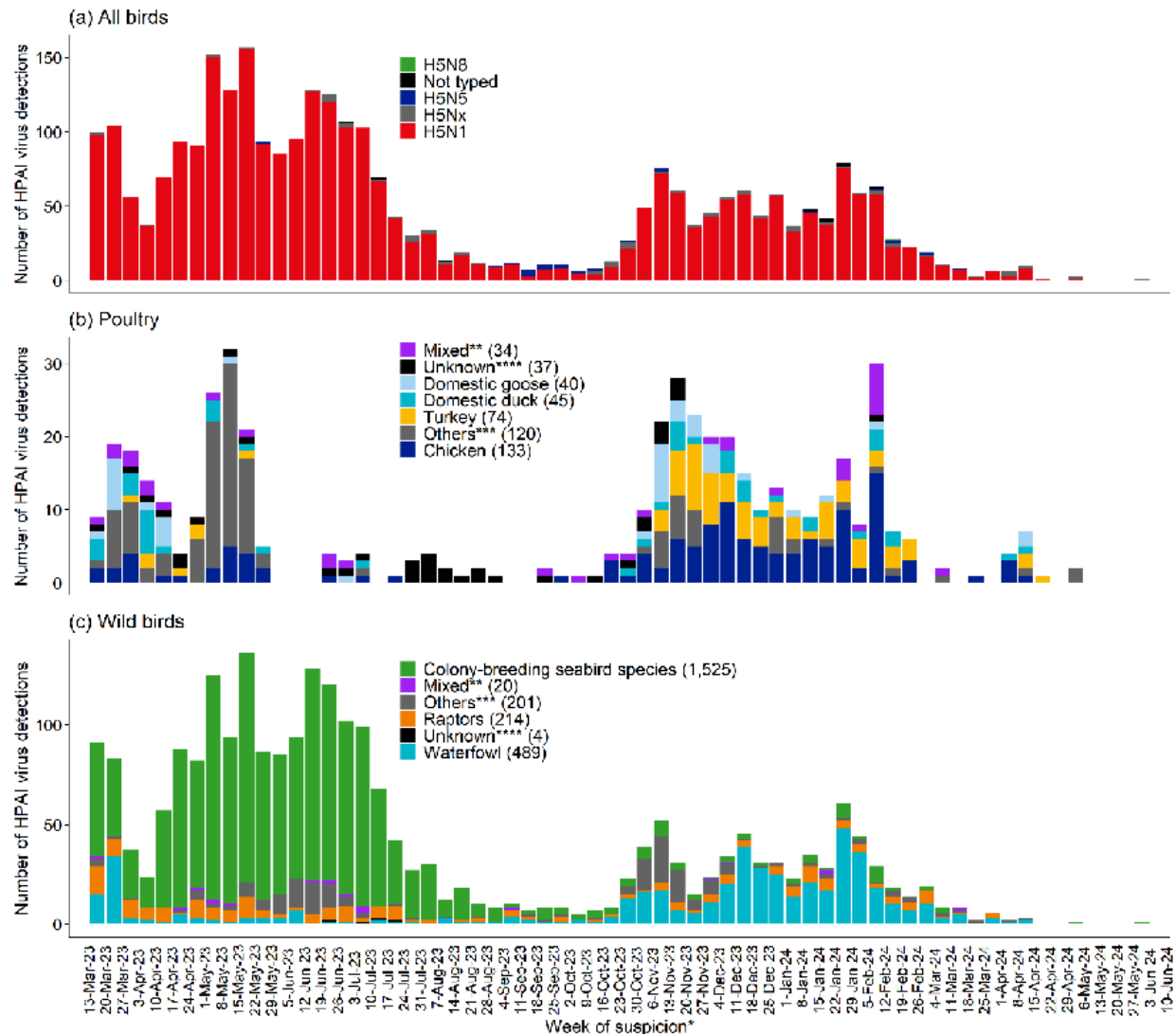




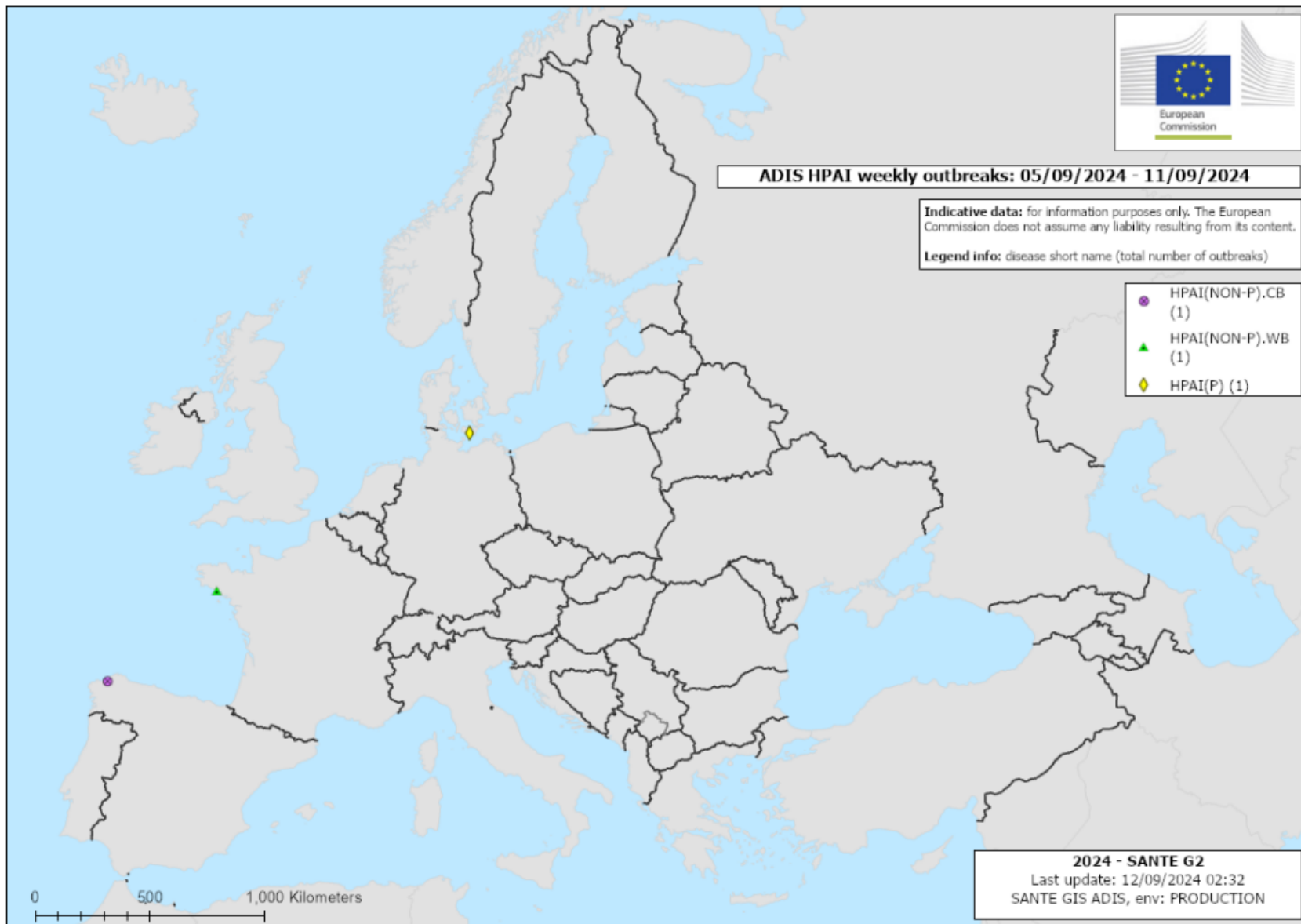
HPAI in wild birds 2023 - 2024

Distribution of total number of
HPAI virus detections
reported in Europe
by week of suspicion in **wild**
birds

March 2023 – June 2024



LAST WEEK



Vaccination against HPAI

Specific rules for vaccination against HPAI

Vaccines

- that **do not contain live AI virus** (attenuated or not)

Reinforced surveillance

- **clinical and laboratory** (official activity)
- to assess **effectiveness** (emergency protective vaccination)
- to **early detect infection** with HPAI virus

Risk mitigation measures

- General **prohibition** for movements of vaccinated poultry and their products
- **Derogations** to move, **under conditions**

Traceability/Certificates

- **Emergency vaccination:** certificates for movements from vaccination zone within MS and to other MS
- **Preventive vaccination:** certificates for poultry and hatching eggs when moved to other MS

Decision Making - Implementation process for the use of vaccines against HPAI

Member
State

- **Assessment of the situation** based on specific criteria (*Annex II of DR (EU) 2023/361*)
- **DECISION TO VACCINATE** (*strategy selection etc.*)
- Preparation of official vaccination plan (*in accordance with information required in Annex III of DR (EU) 2023/361*)

Member
State

- Preliminary information sent *to the other MS and the COM* (*at least 2 days before start of vaccination*)
- **INITIATION OF VACCINATION**
- Official vaccination plan sent *to the other MS and the COM* (*at the latest 2 weeks after start of vaccination*)

COM

Review of the national measures in the official vaccination plan. May act with additional measures in accordance with Article 71 of Regulation (EU) 2016/429

Member
State

- **Disease-specific surveillance – Risk mitigation measures** (*Annex XIII of DR (EU) 2023/361*)
- **Regular reports** sent *to the other MS and the COM* (*content / intervals according to the vaccination strategy – Annexes V and VI of DR (EU) 2023/361*)

HPAI VACCINATION

experiences, trials and programmes

in certain EU Member States



France

Vaccination of
ducks

Started
October 2023

New campaign
now prepared


MINISTÈRE
DE L'AGRICULTURE
ET DE LA SOUVERAINETÉ
ALIMENTAIRE
*Liberté
Égalité
Fraternité*

**64
million**

Number of Ducks



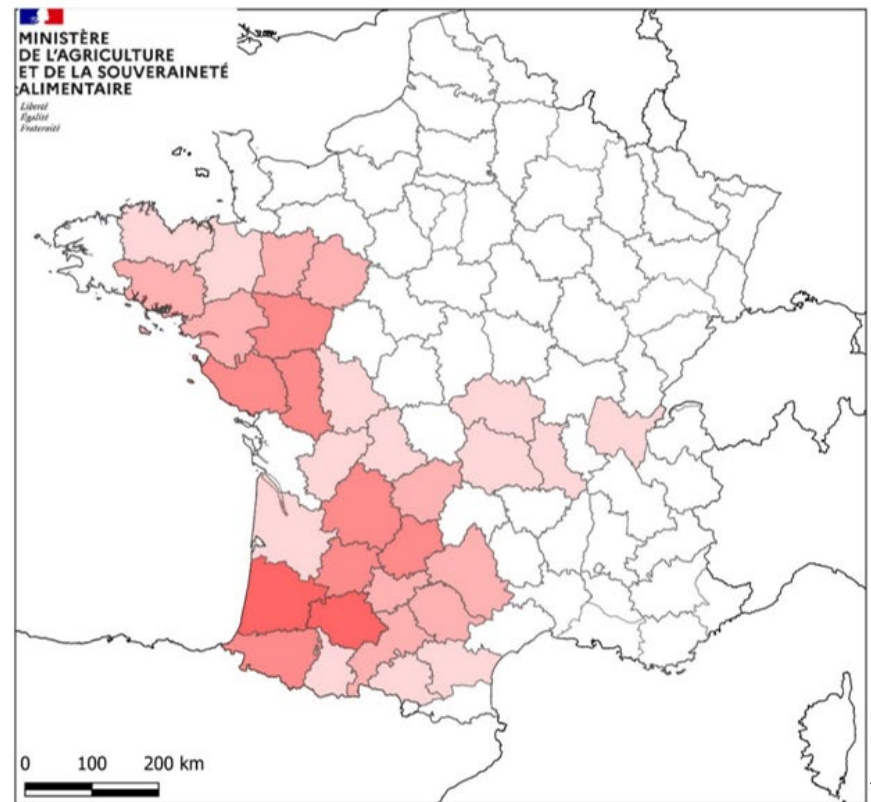
2700

Number of
establishments



Vaccination campaign map

Number of active establishments per department



Scientific research

(out of scope of Delegated Regulation (EU) 2023/361)

Netherlands

- vaccine efficacy trial in laying hens in high containment unit in lab (2022)
- field trial in laying hens (September 2023-2025)

Hungary

- field trial in geese (2022-2023)

Italy

- vaccine efficacy trial in turkeys (since 2022)

Netherlands

Vaccination in laying hens

Scientific research

- 2022: Lab study with 4 vaccines
- 2023-2025: Field study with 2 HVT-vector vaccines

Next step: possible small scale pilot



Italy

Scientific research

- Vaccine trials in turkey
- Testing different vaccines, in various combinations (first dose, booster)
- Assessment of reduction of virus shedding and clinical and virological protection

50 days of age



100 days of age



Hungary

Scientific research

- Field trial in geese in 2022-2023
- Field safety and efficacy tests
- AI H5-vaccine (synthetic RNA)
- Vaccination in the hatchery, booster at 4 weeks of age



Preventive vaccination zoo birds /confined establishments

Netherlands, Spain, Ireland

Preventive vaccination of birds in zoos ("confined establishments")

Netherlands

- Preventive vaccination programme in 13 zoos (since October 2023)
- Vaccine used: Nobilis Influenza H5N2



Spain

- Preventive vaccination programme in 1 shelter and 1 zoo since winter 2023/2024)
- Vaccine used: Nobilis Influenza H5N2



Ireland

- Preventive vaccination programme in zoos (since winter 2023/2024)
- Vaccine used: Nobilis Influenza H5N2



Thank you

COM web page on Avian influenza

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



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