



# **Updates on Highly Pathogenic Avian Influenza and Newcastle Disease**

## **CDG on Poultry and eggs**

10 October 2023

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

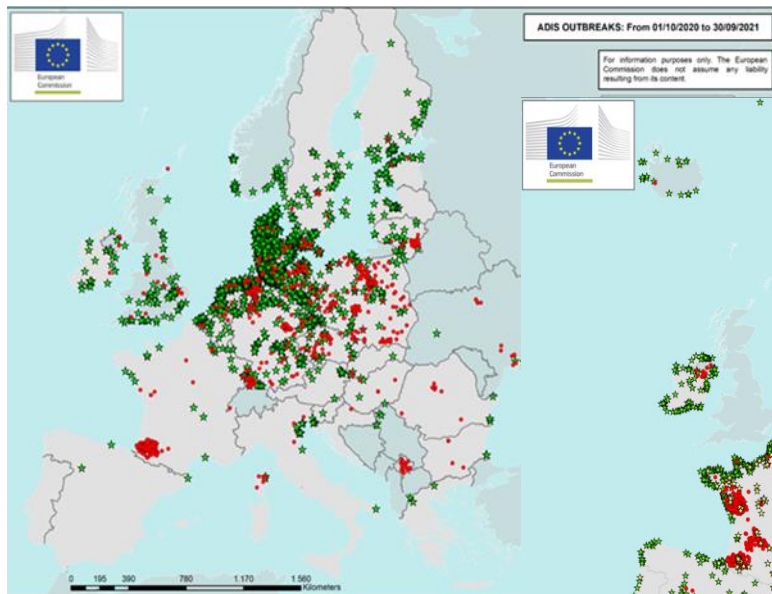
# OUTLINE

1. Summary of HPAI epidemic seasons
2. HPAI vaccination
3. Newcastle disease situation

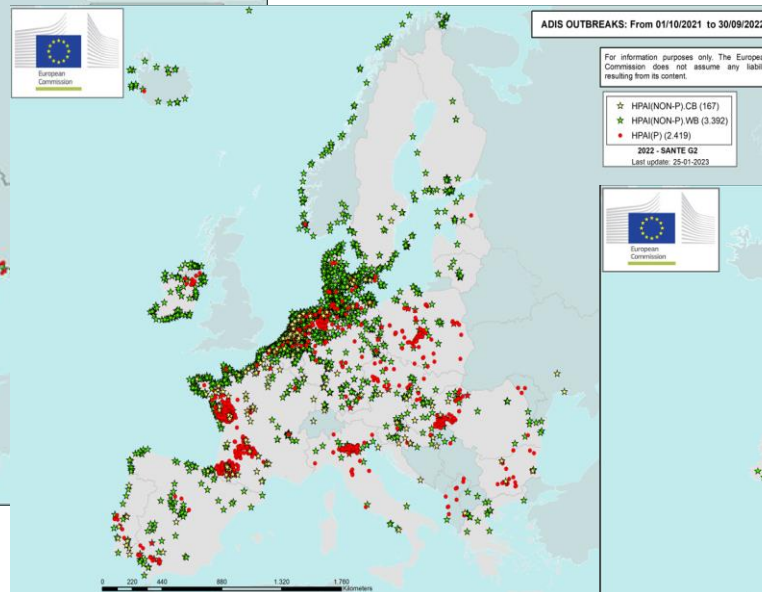
# Summary of HPAI epidemic seasons

# HPAI IN EUROPE IN BIRDS IN 2020 - 2023

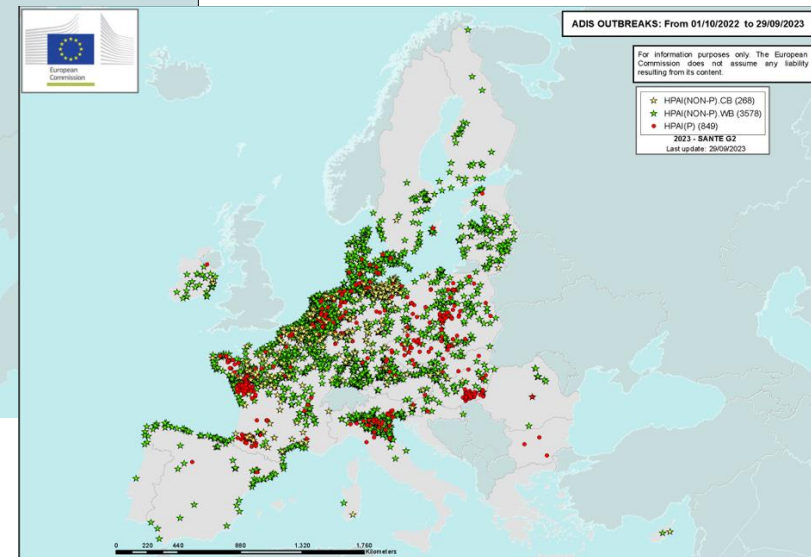
Oct 2020 – Sept 2021



Oct 2021 – Sept 2022



Oct 2022 – Sept 2023



Virus spread with **wild birds** in all parts of Europe

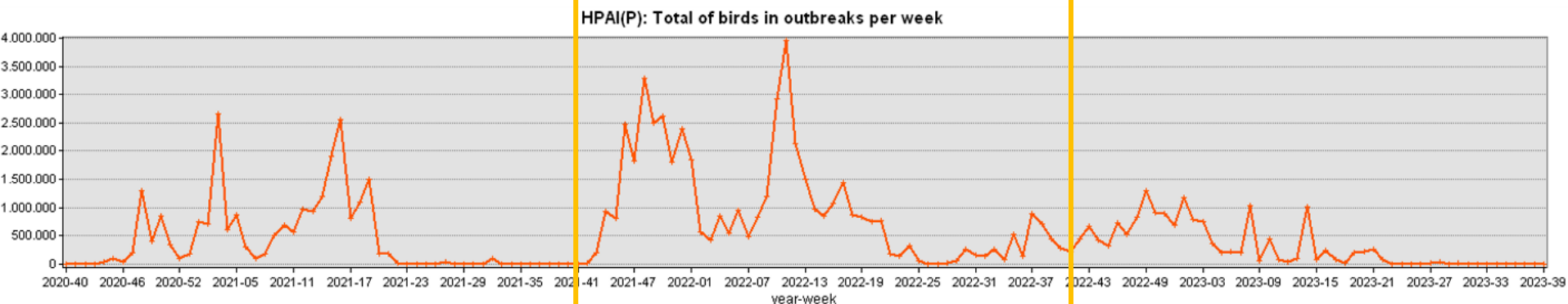
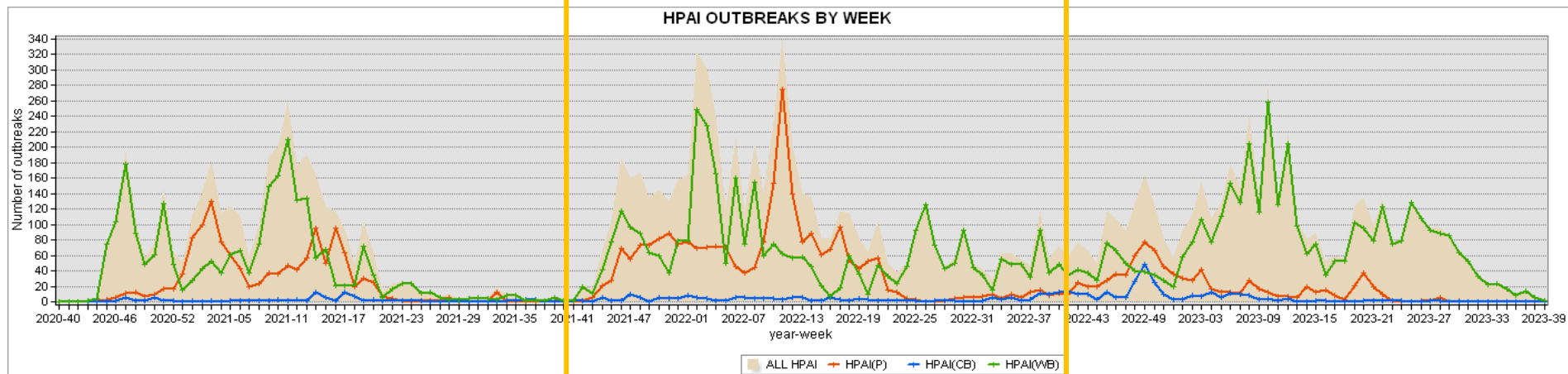
**Recurrent clusters in poultry** in certain areas with high density of certain poultry production

# HPAI IN EU IN BIRDS / WEEK 2020-2023

2020-2021

2021-2022

2022-2023

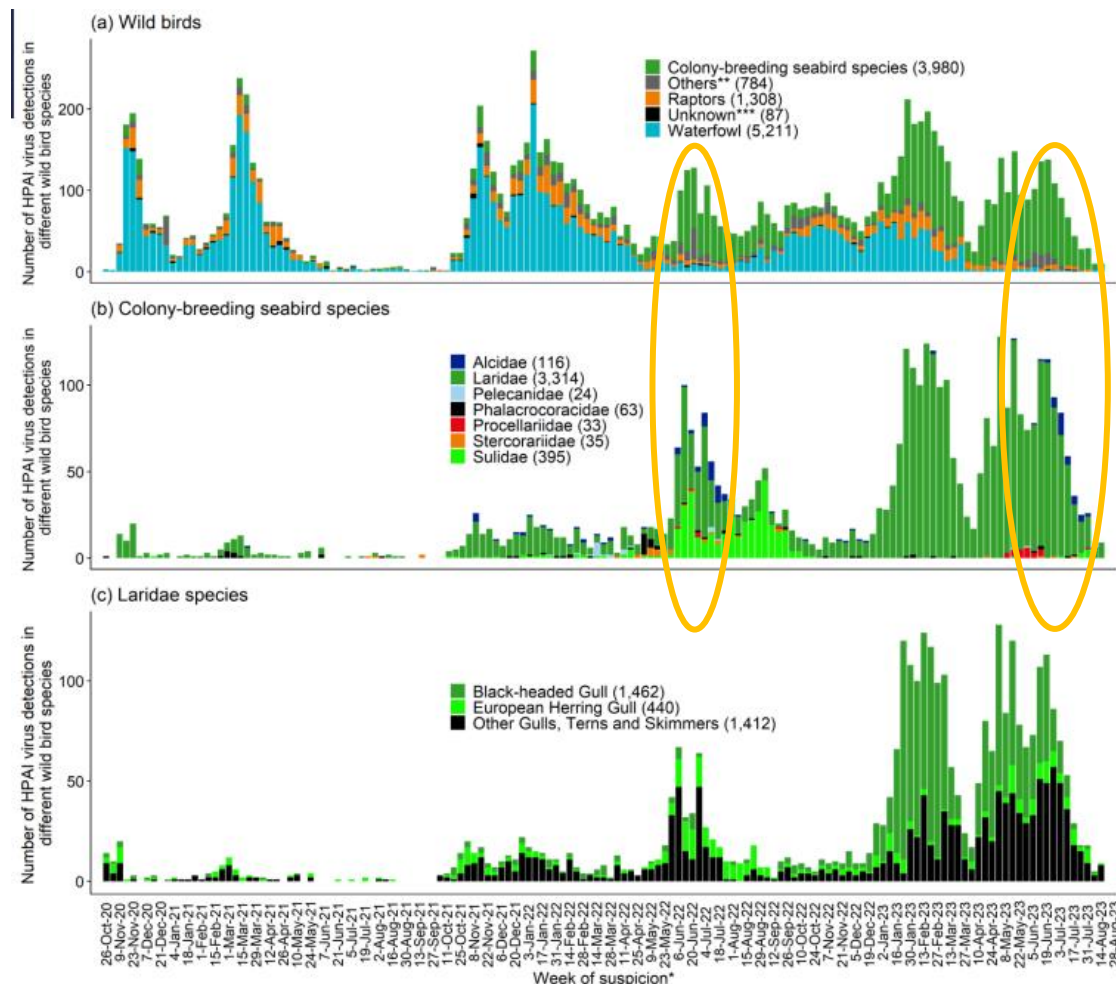


**High peaks in poultry in the past** (red line) detached from peaks in wild birds (green line)  
**In 2022 – 2023 epidemic:** less outbreaks in poultry, but worrying trend in wild birds

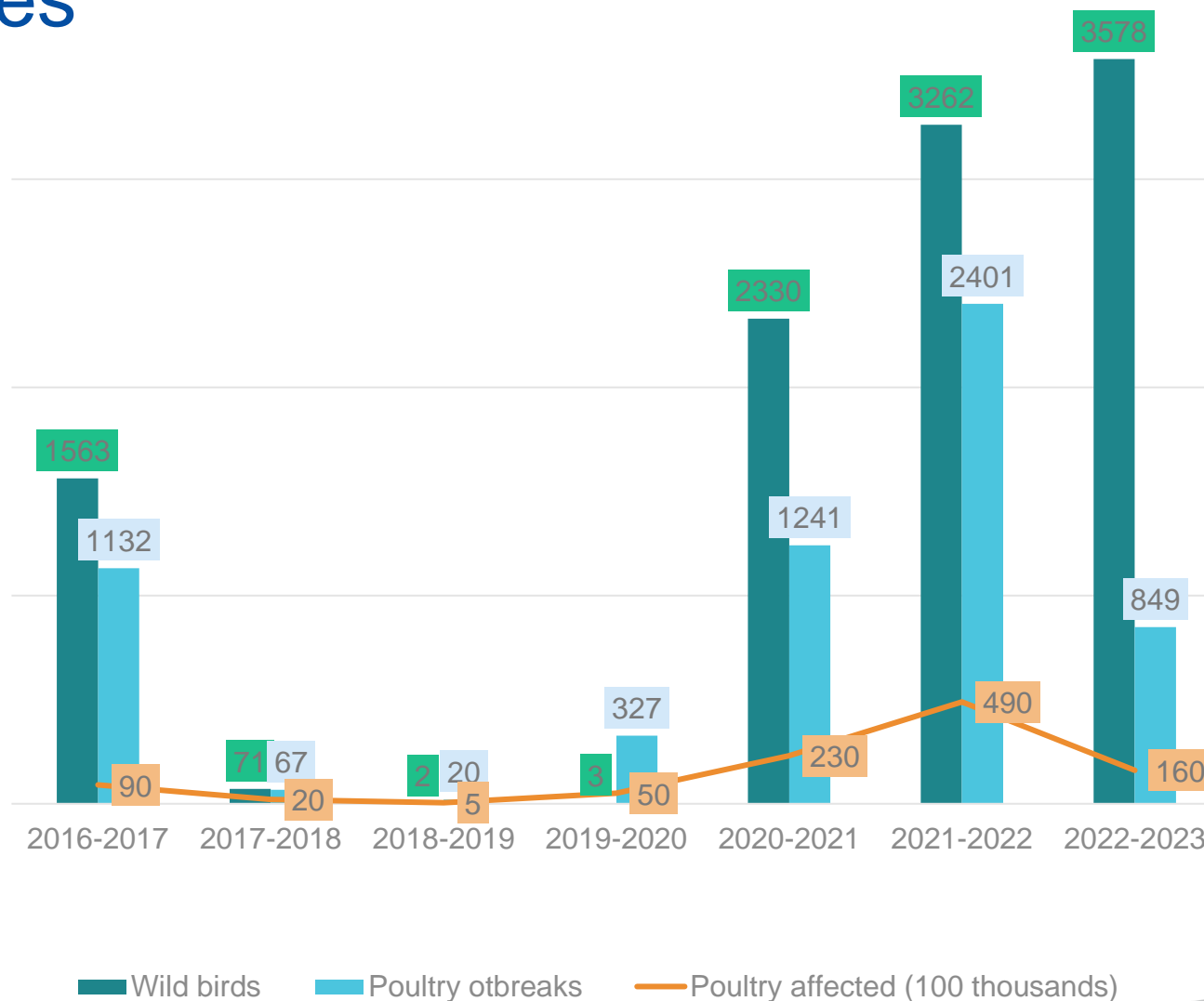
# HPAI in wild birds 2020 - 2023

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

5 Oct 2020 – 1 Mar 2023

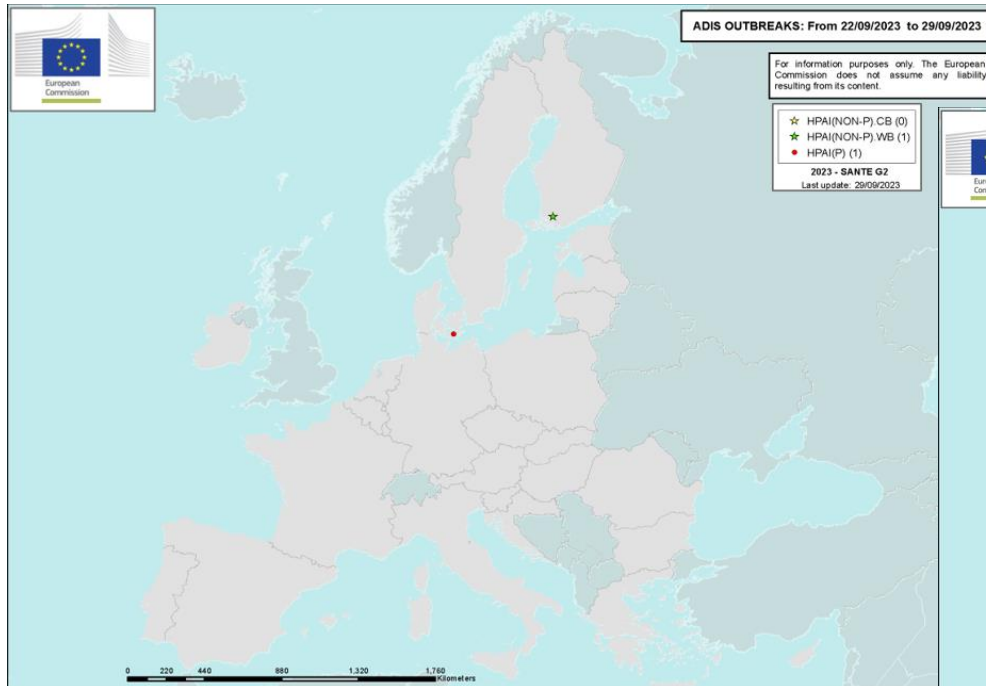


# Summary of HPAI epidemic seasons in figures

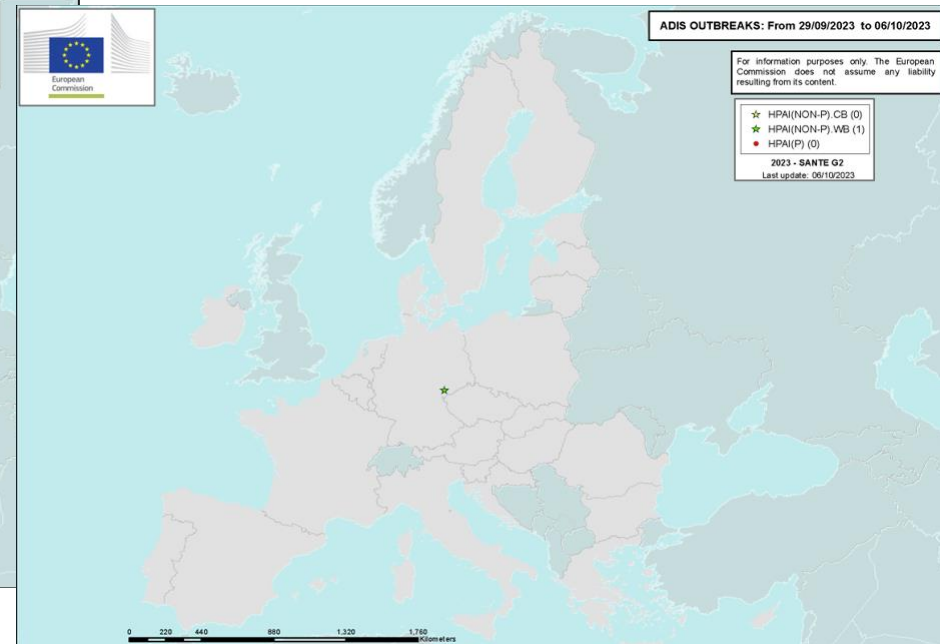


# LAST TWO WEEKS

## Last week of Sept 2023



## First week of Oct 2023



Limited number of HPAI virus detections in wild birds

First outbreak in poultry after summer



# Vaccination against HPAI

# Specific rules for vaccination against HPAI

## Vaccines

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

## Risk mitigation measures

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

## Reinforced surveillance

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

## 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**

## **experience, trials and plans**

in certain EU Member States

## **CZECH REPUBLIC**

**emergency vaccination**

in 2022 in one establishment to  
preserve geese of high genetic  
value

## **HUNGARY**

**Field trial 2022** in geese

## **ITALY**

**vaccine efficacy trial**  
in turkeys in 2022

## **FRANCE**

**Preventive vaccination** of  
ducks  
start fall 2023

## **NETHERLANDS**

**Field trial** in laying hens  
start fall 2023



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

**64  
million**

Number of Ducks



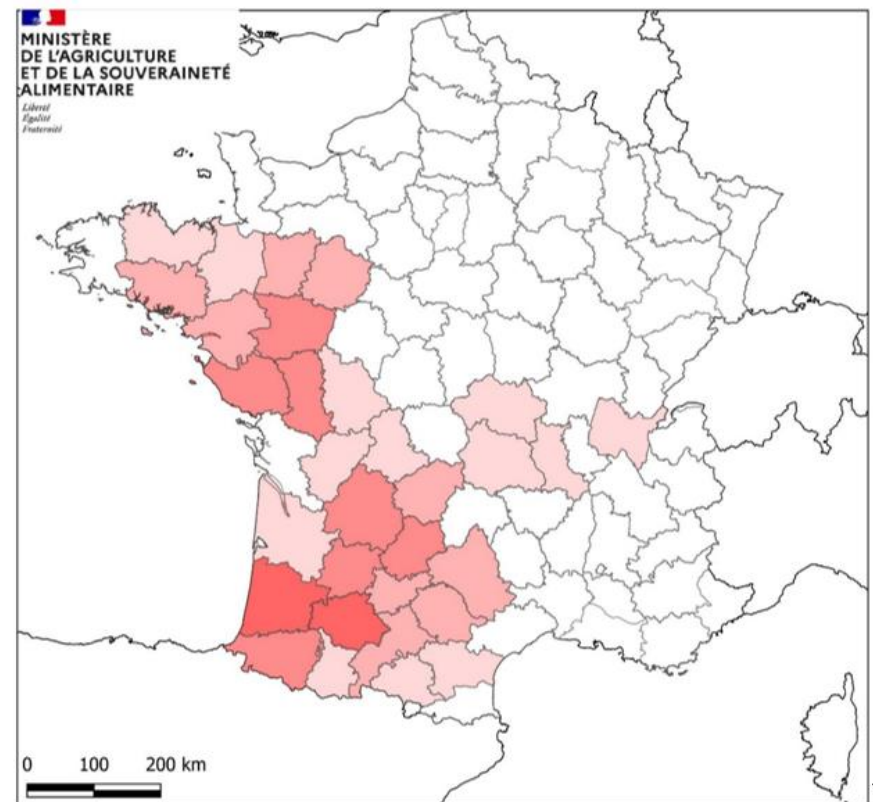
**2700**

Number of  
establishments



## Vaccination campaign map

Number of active establishments per department



France

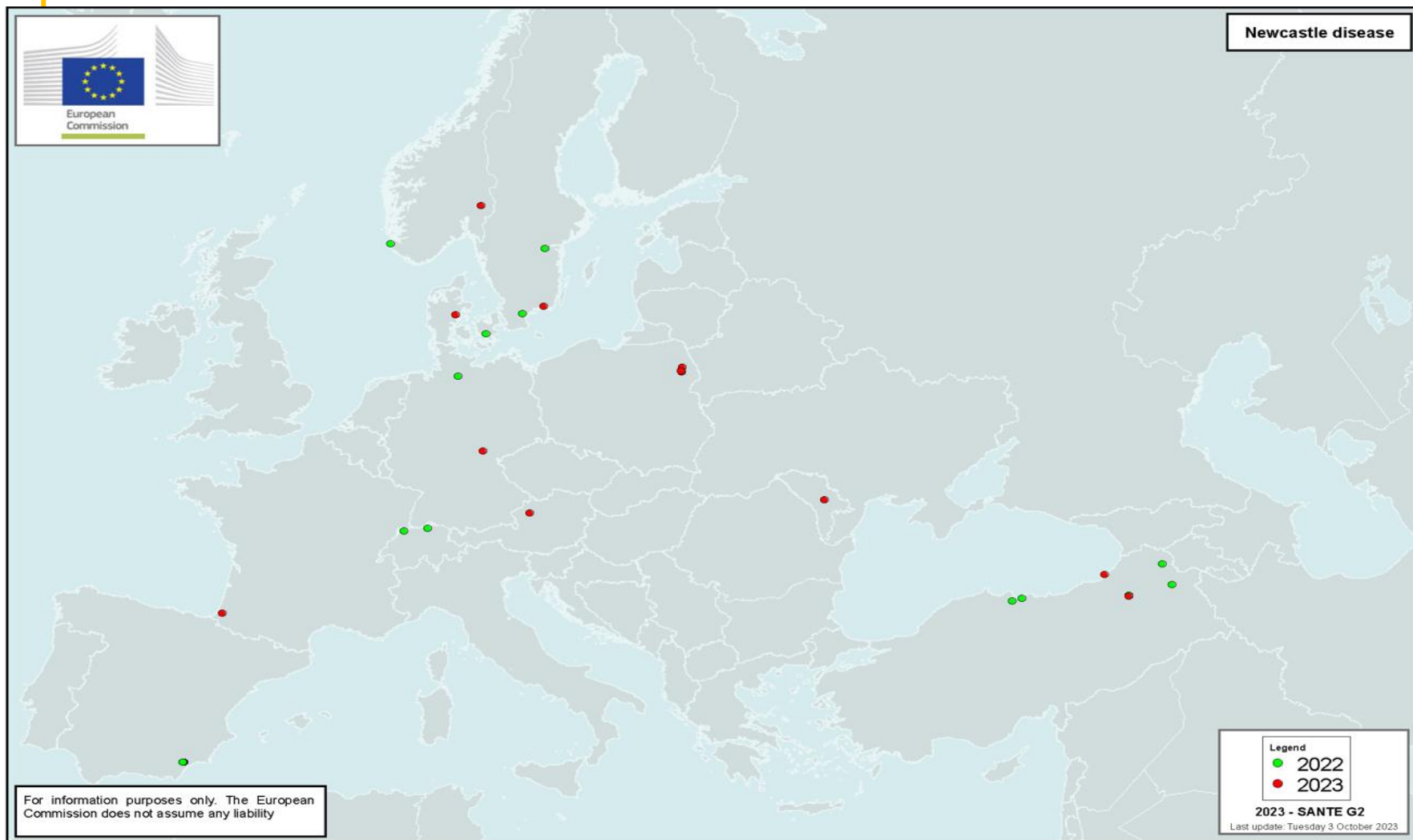
Vaccination of  
ducks

Start

October 2023

# Newcastle disease situation

# Newcastle disease outbreaks in 2022 and 2023





# Thank you

## COM web page on Avian influenza

[https://ec.europa.eu/food/animals/animal-diseases/diseases-and-control-measures/avian-influenza\\_en](https://ec.europa.eu/food/animals/animal-diseases/diseases-and-control-measures/avian-influenza_en)



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