



**MINISTÈRE  
DE L'AGRICULTURE  
ET DE LA SOUVERAINETÉ  
ALIMENTAIRE**

Liberté  
Équité  
Proximité

# HIGHLY PATHOGENIC AVIAN INFLUENZA

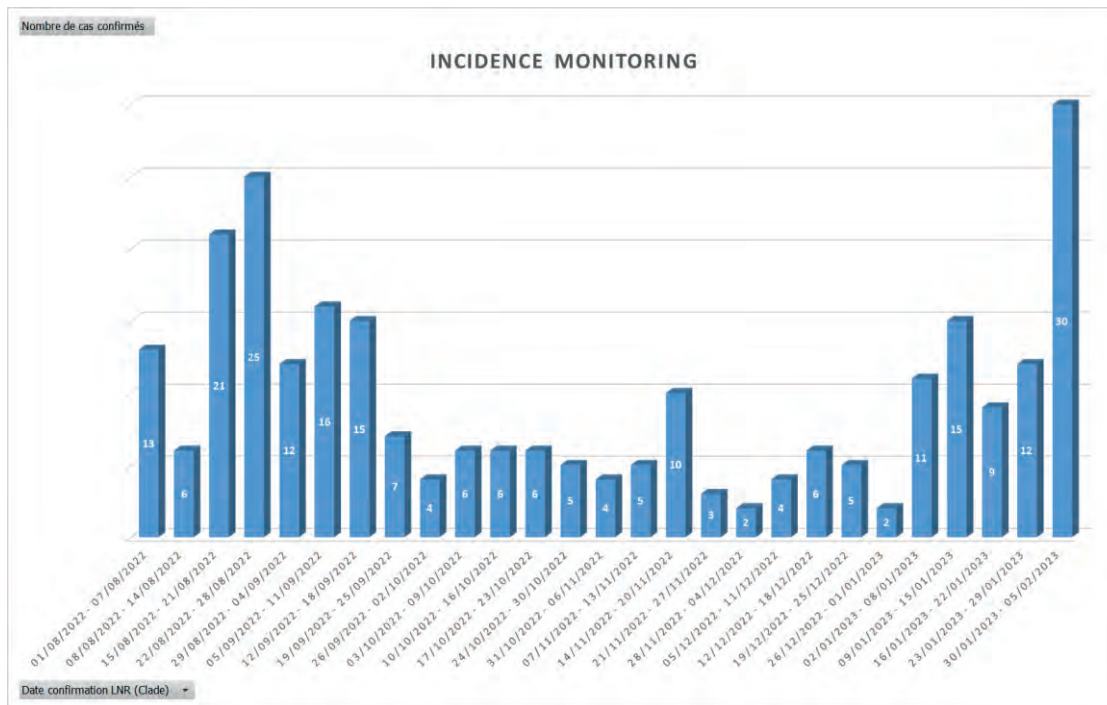
## SITUATION IN FRANCE

SCoPAFF  
14 February 2023

- **HPAI situation as of 13 February 2023**
- **Phylogenetic analysis**
- **Prevention and Control measures**

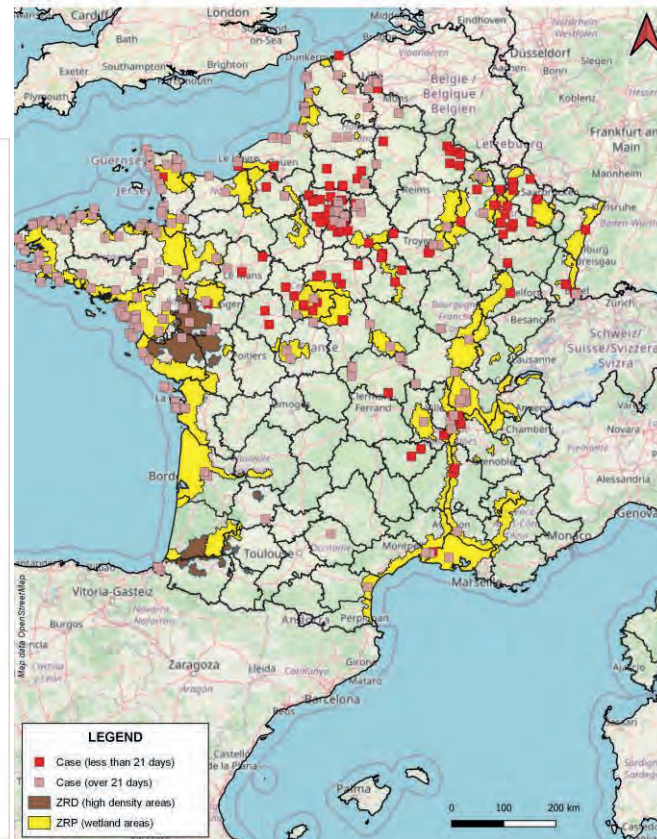
# HPAI cases in wildlife

## 260 cases since 1 August 2022



Location of HPAI cases in wildlife since 1st of August 2022

13/02/2023



# HPAI outbreaks in poultry

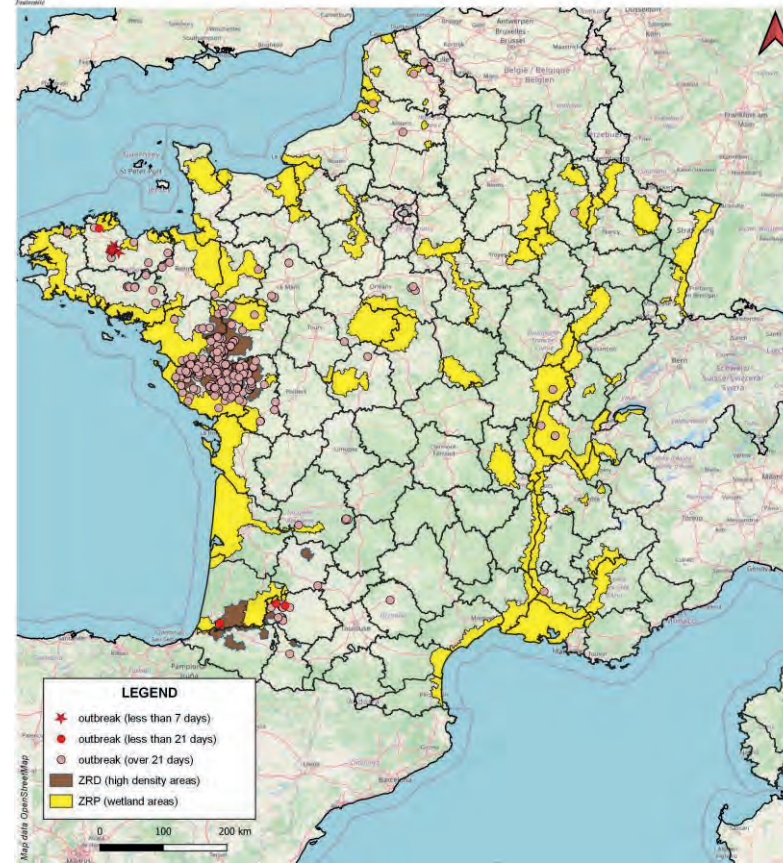
**TOTAL in France, since 1 August 2022 : 298**

▪ **Great West region :**

Département	Nb outbreaks
Vendée (85)	120
Maine-et-Loire (49)	44
Deux-Sèvres (79)	35
Loire-Atlantique (44)	18
Côtes d'Armor	15
<b>TOTAL</b>	<b>232</b>

▪ **South West region :**

Département	Nb outbreaks
Gers (32)	12
Hautes-Pyrénées (65)	1
Landes (40)	3
Pyrénées-Atlantiques (64)	0
<b>TOTAL</b>	<b>16</b>



# Weekly evolution of the number of HPAI outbreaks in poultry

- Phase 1 :** From September 2022 to Mid-November 2022

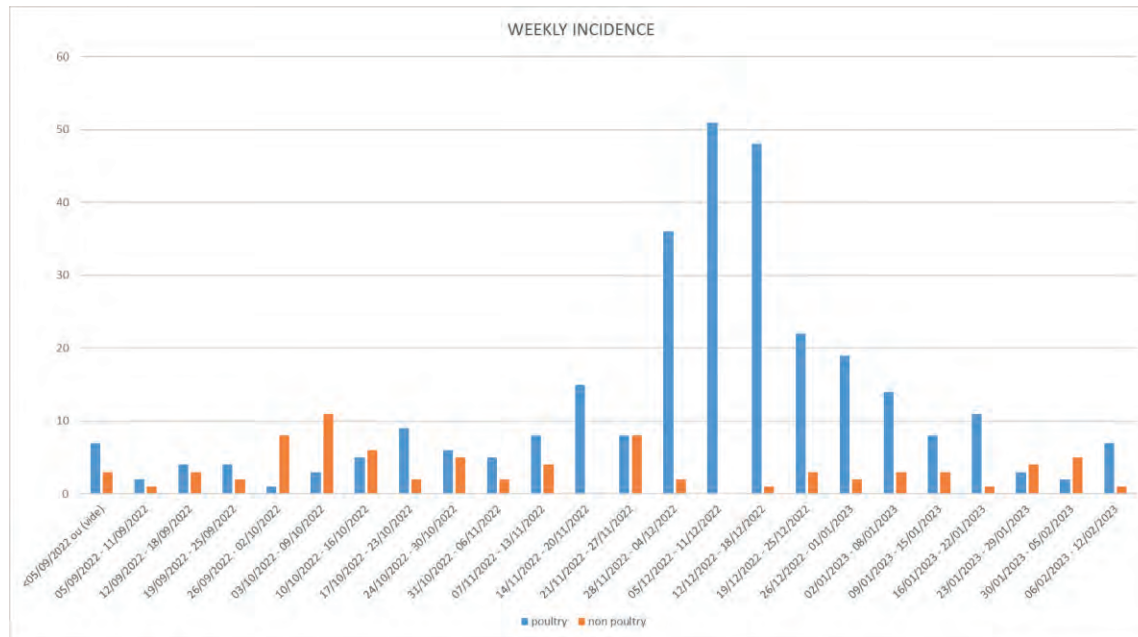
- Many primary introductions from wildlife
  - Split distribution throughout France
  - High proportion of captive birds affected

- Phase 2 :** From Mid November to end of December 2022

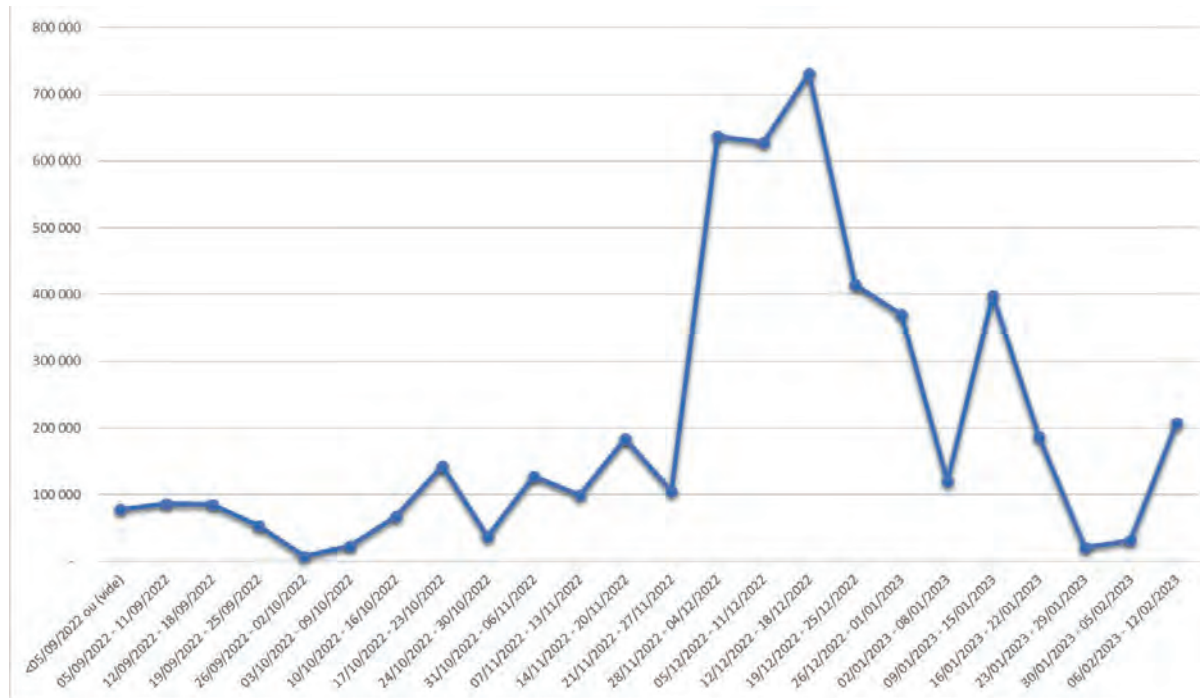
- Primary Introductions and inter-farm diffusion
  - Concentrated mainly in the Great West
  - Mainly affected poultry farms

- Phase 3 :** From end of December to mid-February

- Incidence decreases
  - Primary introductions

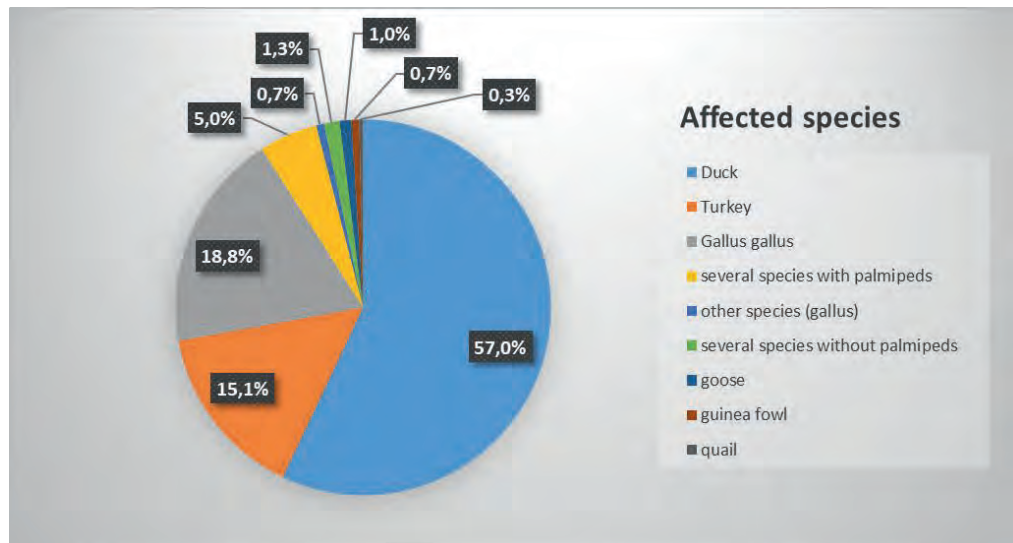


## Weekly evolution of the number of killed poultry in the outbreaks (excluding preventive depopulation)



**Total : 4 842 267**

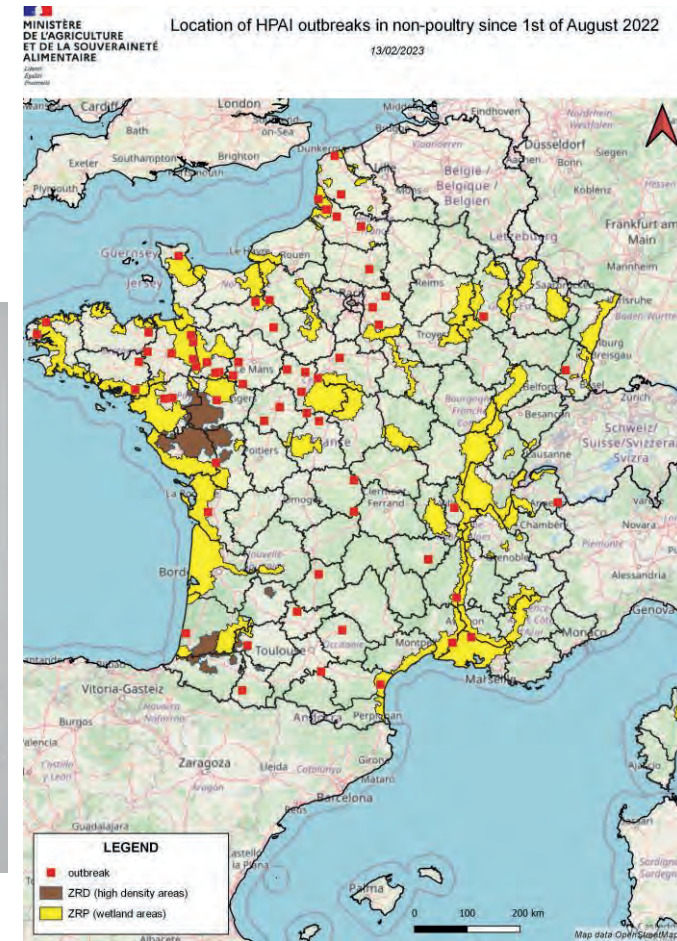
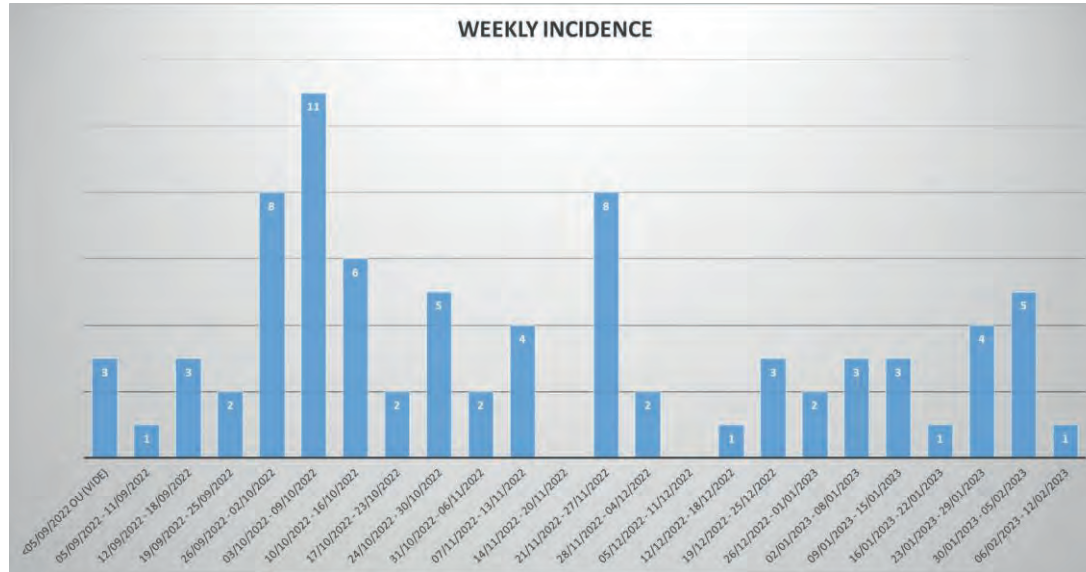
# Affected species



Affected species	Outbreaks
Duck	170
Turkey	45
Gallus gallus	56
several species with palmipeds	15
other species (gallus)	2
several species without palmipeds	4
goose	3
guinea fowl	2
quail	1
<b>Total général</b>	<b>298</b>

# HPAI in captive birds

68 outbreaks, since 1 August 2022\*



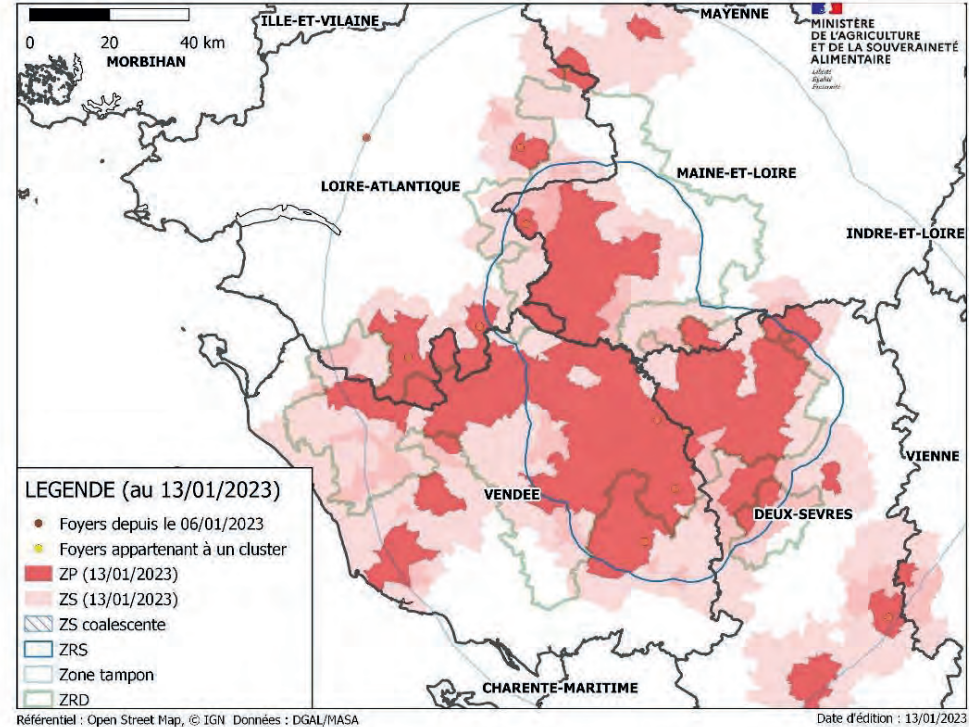


# Phylogenetic analysis

- **A total of 12 genotypes defined in France (FR1 to FR12)**
  - ✓ **FR2 genotype detected many times** (predominant in Europe)
- In South West of France, two primary introductions
  - ✓ Detection of FR2 genotype in Landes
  - ✓ Detection of a new genotype FR12 in Gers
- In Wildlife : detection of FR2, FR9 and FR11

## Control measures in Departments 44, 49, 79, 85

- **Stabilization of sanitary situation, without any new cluster requiring an update of the restricted zones.**
- **Further restricted zone (FRZ)** to de-densify very quickly around the cluster
  - by early slaughtering of valuable batches of palmipeds and turkeys
  - by prohibiting the placing of palmipeds and turkeys
- **Buffer zone** to de-densify in the medium term by prohibiting the placing of palmipeds and turkeys



Restricted zones on 13/01/2022

- **Objectives :**

- Preventing a new epizootic wave
- Protecting avian genetics (hatcheries and breeding farms)

- **Measures proposed :**

- Lifting of restrictions on the basis of risk analysis (epidemiological evidence proving the absence of virus circulation)
- Zonal approach
- Prioritize the repopulation of the least dense areas and with species least likely to amplify the virus
- Specific rules to protect strategic hatcheries and breeding farms

# Thank you for your attention

