



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

*Liberté  
Égalité  
Fraternité*

# **HIGHLY PATHOGENIC AVIAN INFLUENZA**

## **SITUATION IN FRANCE**

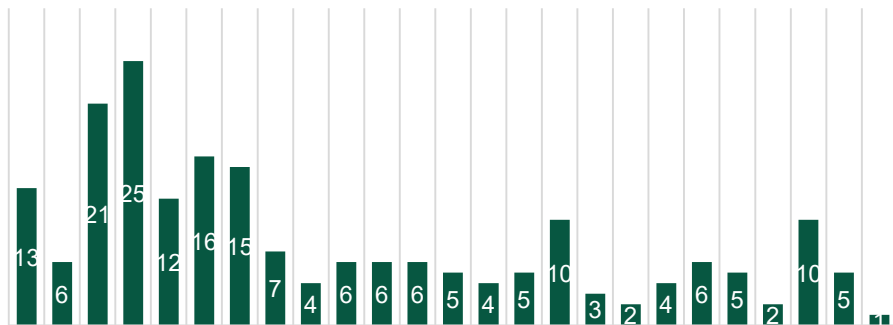
SCoPAFF  
17 January 2023

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

# HPAI cases in wildlife

199 cases since 1 August 2022

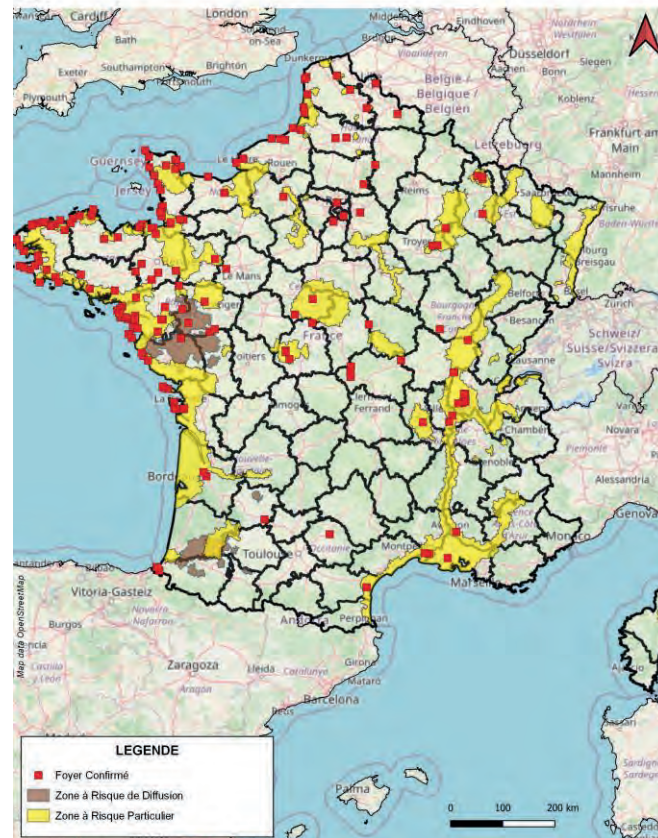
## INCIDENCE MONITORING



01/08/2022 - 07/08/2022  
 08/08/2022 - 14/08/2022  
 15/08/2022 - 21/08/2022  
 22/08/2022 - 28/08/2022  
 29/08/2022 - 04/09/2022  
 05/09/2022 - 11/09/2022  
 12/09/2022 - 18/09/2022  
 19/09/2022 - 25/09/2022  
 26/09/2022 - 02/10/2022  
 03/10/2022 - 09/10/2022  
 10/10/2022 - 16/10/2022  
 17/10/2022 - 23/10/2022  
 24/10/2022 - 30/10/2022  
 31/10/2022 - 06/11/2022  
 07/11/2022 - 13/11/2022  
 14/11/2022 - 20/11/2022  
 21/11/2022 - 27/11/2022  
 28/11/2022 - 04/12/2022  
 05/12/2022 - 11/12/2022  
 12/12/2022 - 18/12/2022  
 19/12/2022 - 25/12/2022  
 26/12/2022 - 01/01/2023  
 02/01/2023 - 08/01/2023  
 09/01/2023 - 15/01/2023  
 >15/01/2023

Vue nationale des foyers en faune sauvage

données actualisées au 13/01/2023 - 15h00



# HPAI outbreaks in poultry

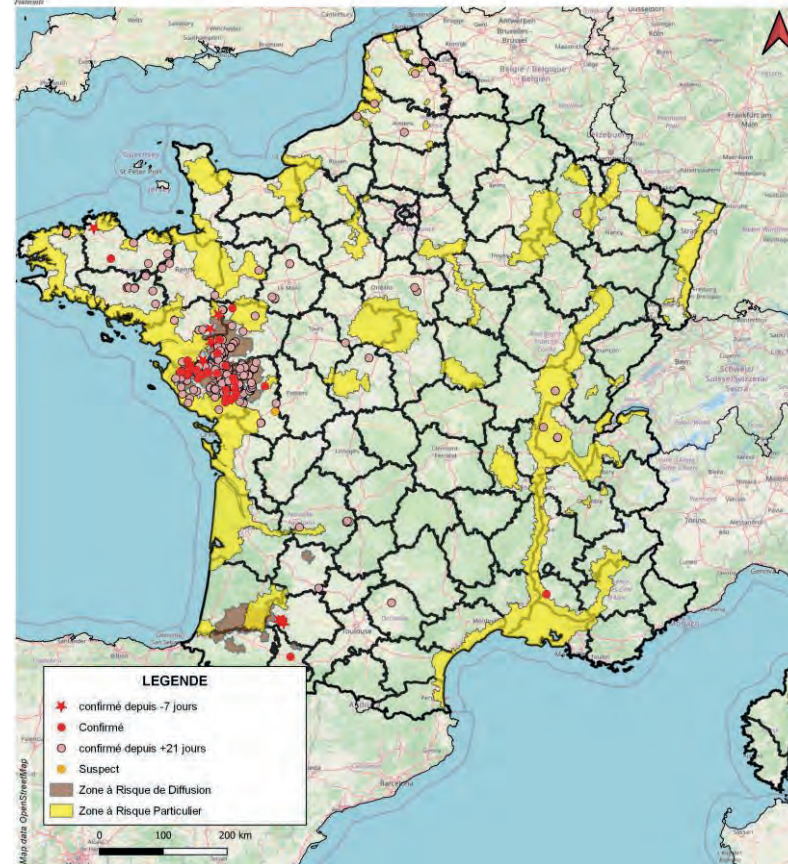
**TOTAL in France, since 1 August 2022 : 274**

■ **Great West region :**

Département	Nb outbreaks
Vendée (85)	119
Maine-et-Loire (49)	42
Deux-Sèvres (79)	35
Loire-Atlantique (44)	16
<b>TOTAL</b>	<b>212</b>

■ **South West region :**

Département	Nb outbreaks
Gers (32)	5
Hautes-Pyrénées (65)	1
Landes (40)	0
Pyrénées-Atlantiques (64)	0
<b>TOTAL</b>	<b>6</b>



# Weekly evolution of the number of HPAI outbreaks in poultry

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

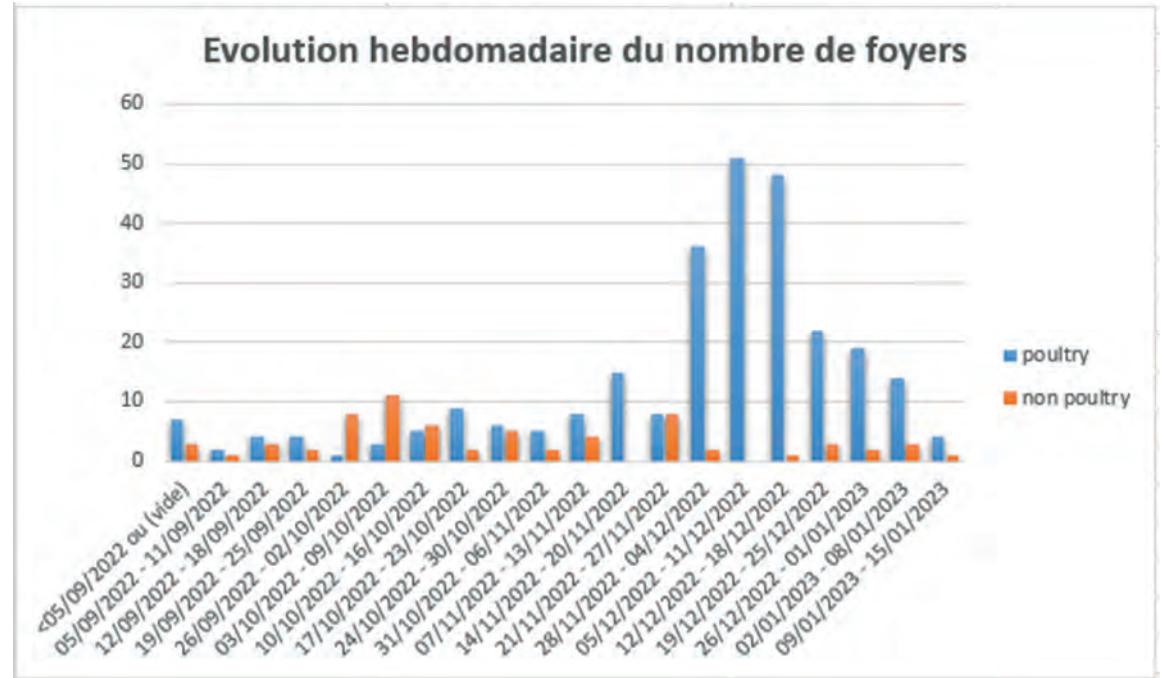
- Many primary introductions from wildlife
  - Split distribution throughout France
  - High proportion of captive birds affected

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

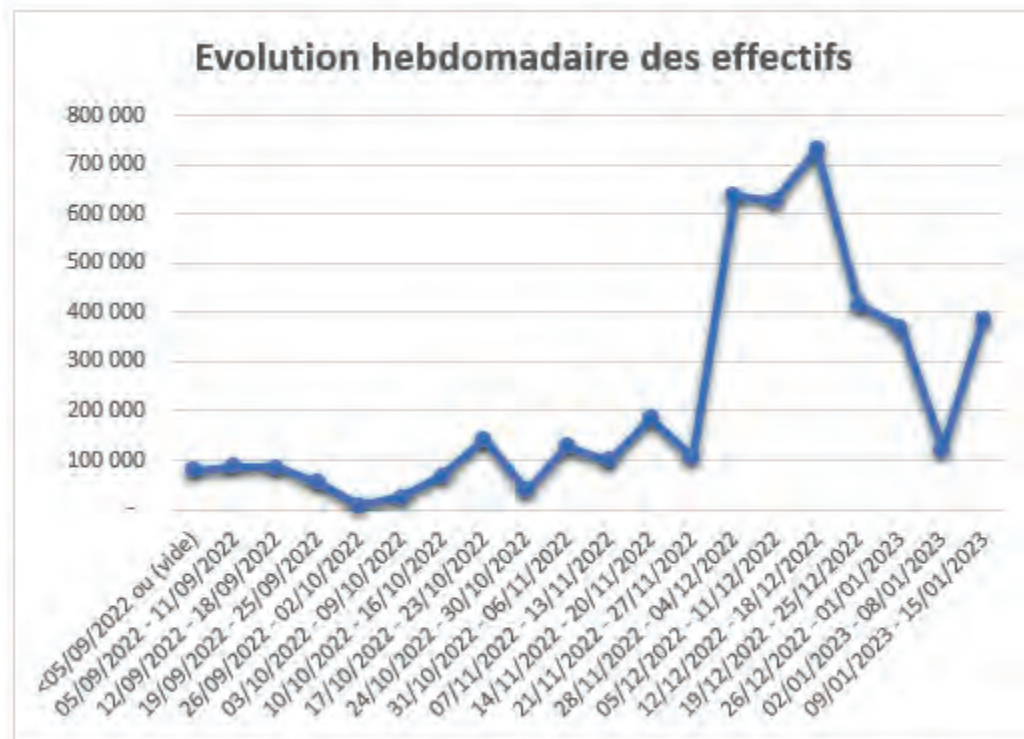
- Primary Introductions and inter-farm diffusion
  - Concentrated mainly in the Great West
  - Mainly affected poultry farms

- Phase 3 :** From end of December

- Incidence decreases
  - Primary introductions



## Weekly evolution of the number of animals slaughtered in the outbreaks (excluding preventive depopulation)

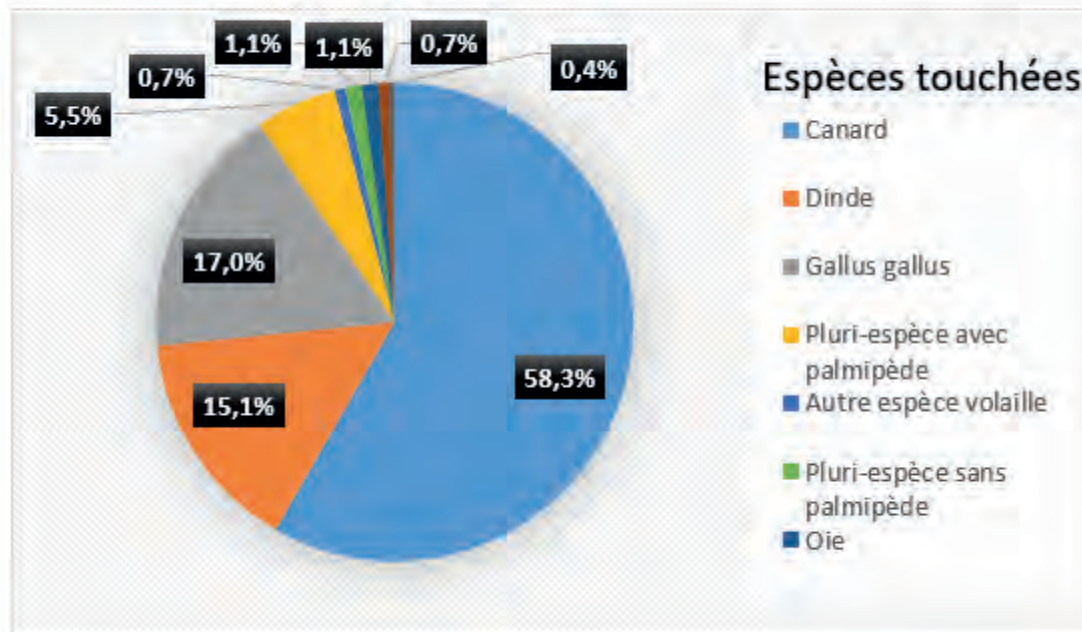


Total général

4 381 258

# Affected species

*Focus sur les espèces en élevage (poultry) :*

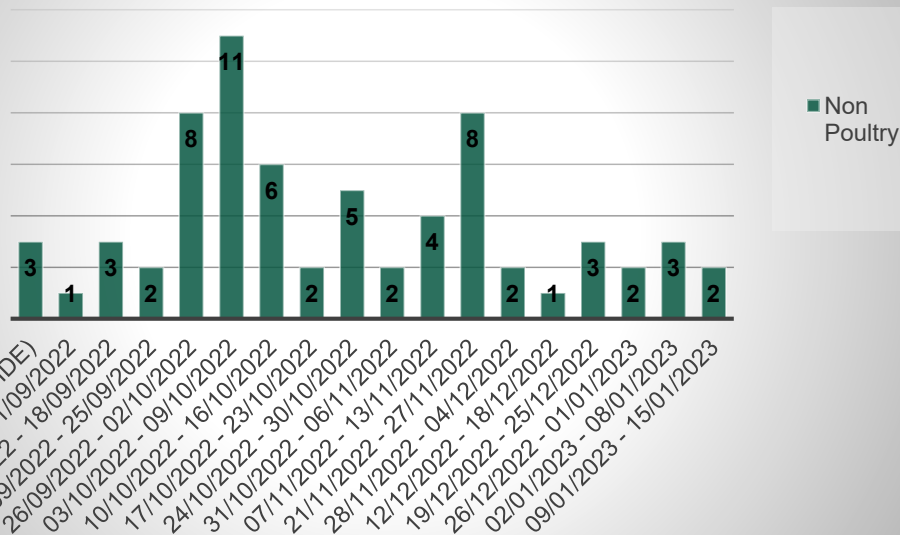


Espèces	Nombre de foyers
Canard	160
Dinde	42
Gallus gallus	47
Pluri-espèce avec palmipède	14
Autre espèce volaille	2
Pluri-espèce sans palmipède	3
Oie	3
Pintade	2
Caille	1
<b>Total général</b>	<b>274</b>

# HPAI in captive birds

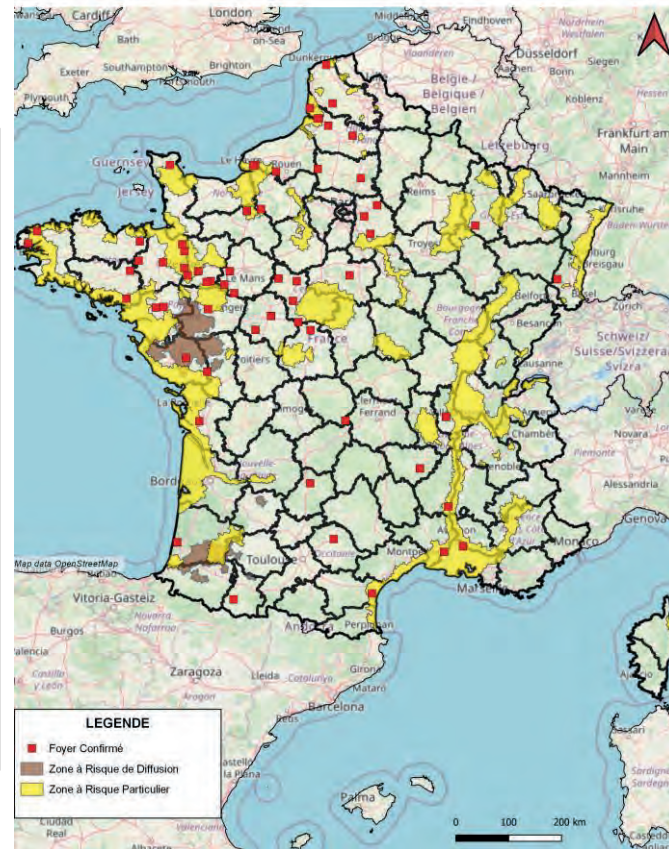
## 68 outbreaks, since 1 August 2022\*

Incidence monitoring since 01/08/2022



Vue nationale des foyers en captif (non poutry)

données actualisées au 13/01/2023 - 15h00

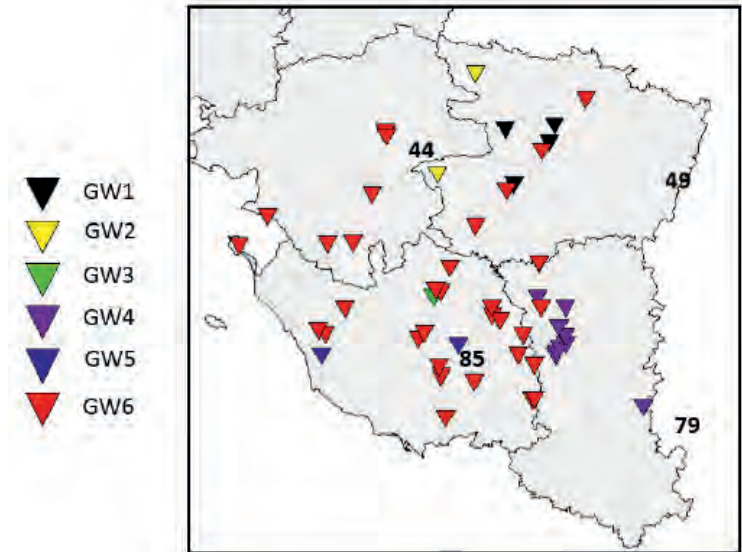




# Phylogenetic analysis

- A total of 11 genotypes defined in France (FR1 to FR11)
  - FR2 genotype detected many times (predominant in Europe)
- **The new epizootic wave is divided into two phases:**
- A first phase until week 47, during which numerous primary introductions were observed, which were quickly contained.
  - The second phase started in week 48 in West region with a inter-farm diffusion of the disease (climatic conditions favoring the survival of the virus).

Distribution of FR2 phylogenetic clusters in West of France (source : ANSES)



# Prevention measures : reinforcement on all French Territory since early November

## National Decree of 08 November 2022 : HPAI High risk level

Strengthening of prevention measures throughout the territory:

- Sheltering of all kept birds
- Daily surveillance on holdings taking into account alert criteria

Measures in palmipeds sectors :

- Autocontrols before movements in risk areas
- Lowering palmipeds density in risk areas :  
Reduction in the number of batches  
(voluntary measure)

## Risk areas

**Areas at risk of HPAI introduction (ZRP)** = wetland areas crossed by migration corridors

**Areas at risk of spreading (ZRD)** = high density areas

zones à risque particulier (ZRP) et à risque de diffusion (ZRD)



# Control measures : reinforcement with a regional approach since October 2022

- **Extended restricted zone**, requiring **enhanced active surveillance** in farms and before movements for palmipeds.
  
- Control strategy taking into account the sanitary situation, the geography and the organisation of the sectors :
  - **General rules** : **France**, excluding Bretagne et Pays de la Loire regions.
  - **Specific regional rules** : **Bretagne et Pays de la Loire regions** (departements 22, 29, 35, 44, 49, 53, 56, 72, 79, 85)
  - **Specific local rules for clusters**:
    - **Pays de la Loire** : departements **44, 49, 79, 85** (since 2 December 2022)
    - **Aquitaine – Occitanie** : departements **32, 40, 64 et 65** (since early January 2023)

- **Measures applied in infected zones (wild bird case)**
  - ✓ Radius : **minimum 20 km**
  - ✓ Active surveillance (autocontrols) in farms and before movements for palmipeds
  
- **Measures applied in restricted zones around poultry outbreaks**
  - ✓ Extended restricted zones : Protection zone (PZ), surveillance zone (SZ) and **further restricted zone (FRZ)**
  - ✓ Active surveillance (autocontrols) in palmipeds farms
  - ✓ **Preventive peri-focal depopulation within a radius of 3 km** if outbreak located in/near risk areas (ZRD)
  - ✓ **FRZ :**
    - Radius : 20 km around the outbreak
    - Intra-UE movement authorized in application of art 3 bis Decision 2021/641

## Specific regional rules : Bretagne and Pays de la Loire

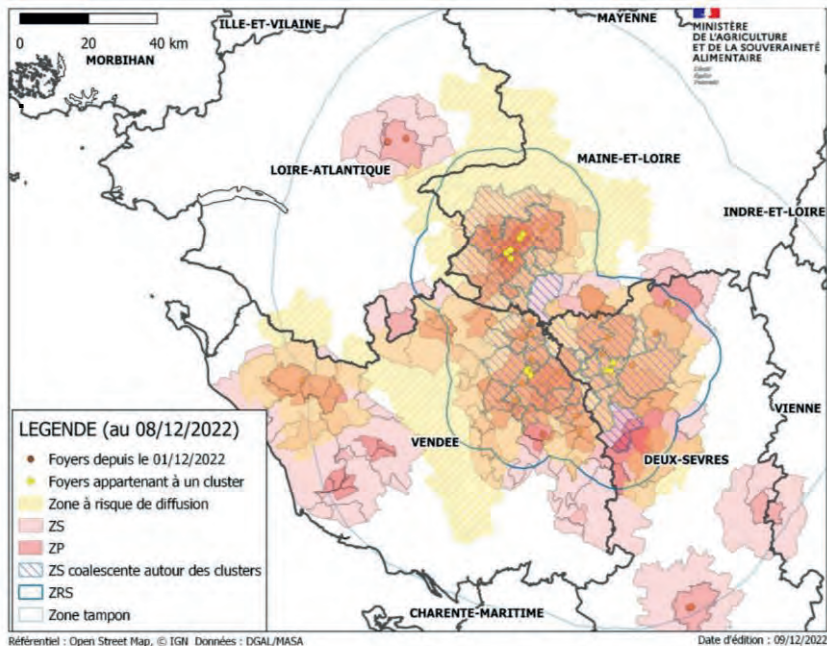
- **Extended infected zone (IZ)** on all territory of Bretagne and Pays de la Loire departments
  - ✓ Active surveillance in palmipeds farms (autocontrols)
  - ✓ Autocontrols before movements of palmipeds
  - ✓ Lowering density by extending the following by 3 weeks for all palmipeds farms in ZRD
  
- **If poultry outbreak : PZ (3 km) and SZ (10 km)** are superimposed to the IZ.
  - ✓ **Preventive peri-focal depopulation within a 10 km radius** if outbreak located in/near ZRD
  - ✓ **Lowering density** by prohibiting the re-stocking in all palmipeds and turkey farms for 3 weeks after the lifting of restricted zones

### New restricted zones:

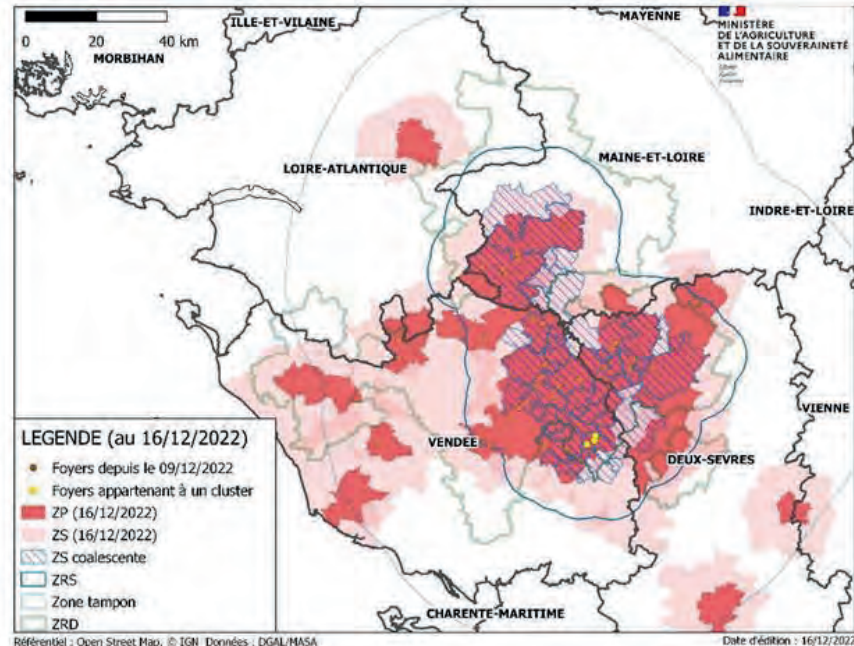
- **Further restricted zone (FRZ):**
  - Perimeter: 10km deep around coalescent Surveillance Zone of the clusters
  - Objective: to de-densify very quickly around the cluster
    - by early slaughtering of valuable batches of palmipeds and turkeys
    - by prohibiting the placing of palmipeds and turkeys
  
- **Buffer zone:**
  - Perimeter: Areas at risk of spreading (ZRD) up to 50 km around coalescent SZ of the clusters
  - Objective: to de-densify the ZRD in the medium term by prohibiting the placing of palmipeds and turkeys

## Specific local rules for clusters : Departments 44, 49, 79, 85

Stabilization of sanitary situation, without any new cluster requiring an update of the restricted zones.



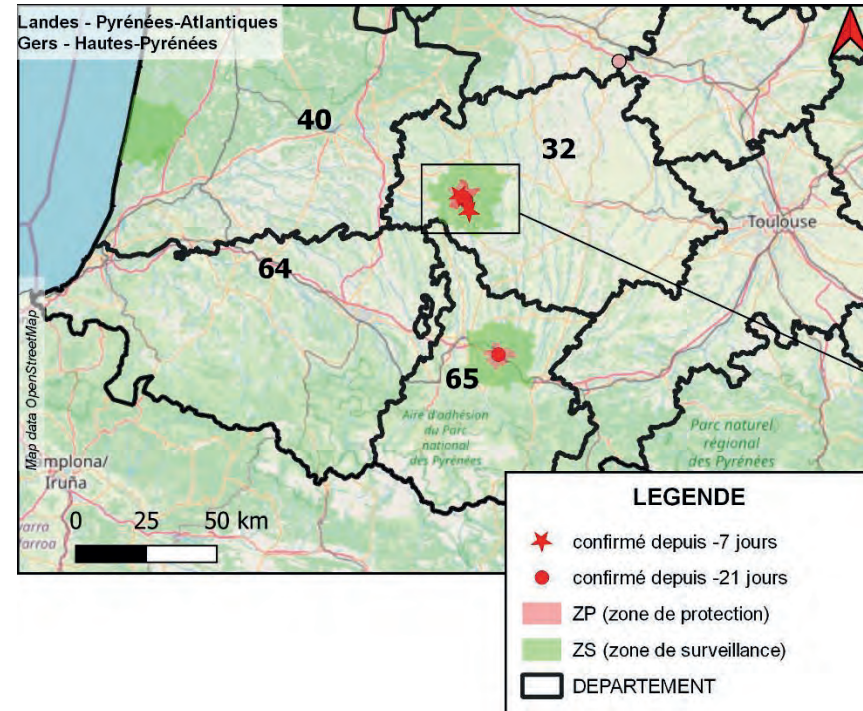
Restricted zones on 09/12/2022



Restricted zones on 16/12/2022

## Specific local rules for clusters : Departments 32, 40, 64 et 65

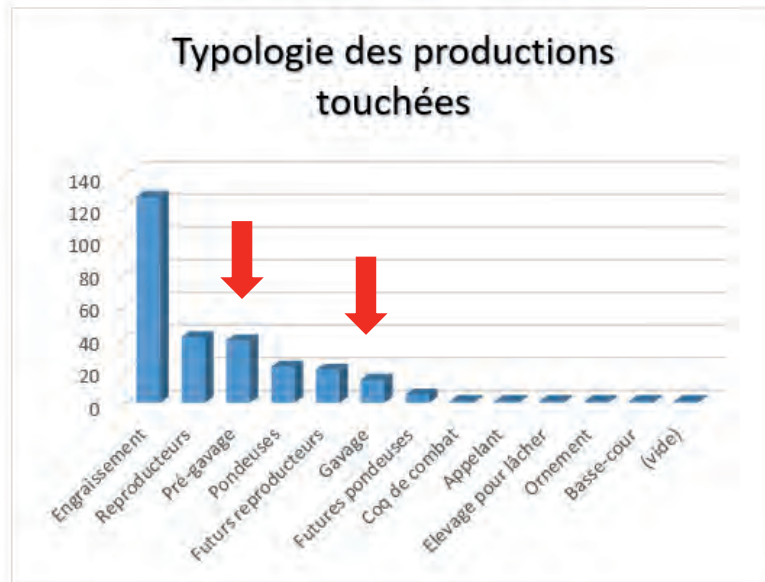
- **Objective** : to de-densify very quickly around the cluster
- **Further restricted zone (FRZ): 10km** deep around coalescent Surveillance Zone of the clusters
- **Preventive depopulation**
  - 0-1km from outbreak : all species
  - 1 to 10 km from outbreak : palmipeds and turkeys
- **Additional restrictions for movements in FRZ**
  - no introduction of poultry from other restricted zone and free zone.





# Challenge of safeguarding avian genetics

- Several farms of breeders and future breeders affected
- Preventive depopulations around strategic hatcheries and breeding farms to save avian genetics.



Types de production	Nombre de fermes
Engraissement	129
Reproducteurs	41
Pré-gavage	38
Pondeuses	23
Futurs reproducteurs	20
Gavage	14
Futures pondeuses	5
Ornement	1
Elevage pour lâcher	1
Coq de combat	1
(vide)	1
<b>Total général</b>	<b>274</b>

# Thank you for your attention

