



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

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AHW.A.05.(IDC).(FRANCE).23121415_HPAI_France

HIGHLY PATHOGENIC AVIAN INFLUENZA (HPAI) IN FRANCE

- **Vaccination campaign in accordance with Regulation (EU) 2023/361**
 - ✓ The key principles the vaccination strategy : objective, target, vaccine, surveillance
 - ✓ Follow up report : 01 October - 08 December

- **HPAI situation as of 12 December**
 - ✓ Outbreaks in poultry
 - ✓ Cases in wildlife

- **Management of outbreaks in a context of vaccination**



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VACCINATION CAMPAIGN

The main objectives and targets of the vaccination strategy

Strategy

- Preventive vaccination

Species

- Ducks (Barbarie, mulard and Pékin)

Zone

- All of the France mainland (except Corsica)

Period

- All year, from October 2023

The used vaccine

- **The used vaccine should:**

- Be effective on the HPAI clade 2.3.4.4.b strain
- Have the capacity for a DIVA strategy using the NP ELISA serology
- Have an authorisation for use, issued by the ANMV (The National Veterinary Medicines Agency)

= > <https://www.anses.fr/fr/content/médicaments>

- **First call for tender of vaccines: 80 million doses == > VOLVAC B.E.S.T of Boehringer Ingelheim**

| Vaccine/fabricant | Species | Administration route | Number of primary injections | Vaccine storage | Shelf life | DIVA ELISA NP serology |
|---|---|----------------------|---|-----------------|------------|---------------------------|
| Volvac BEST AI+ND BOEHRINGER INGELHEIM | Chicken Pékin duck Barbarie duck Mulard duck | SC | Chicken : 1 Barbarie, mulard Ducks: 2 (from day 10) Pékin Ducks: 2 (from day 1) | +5°C | 24 months | Yes |

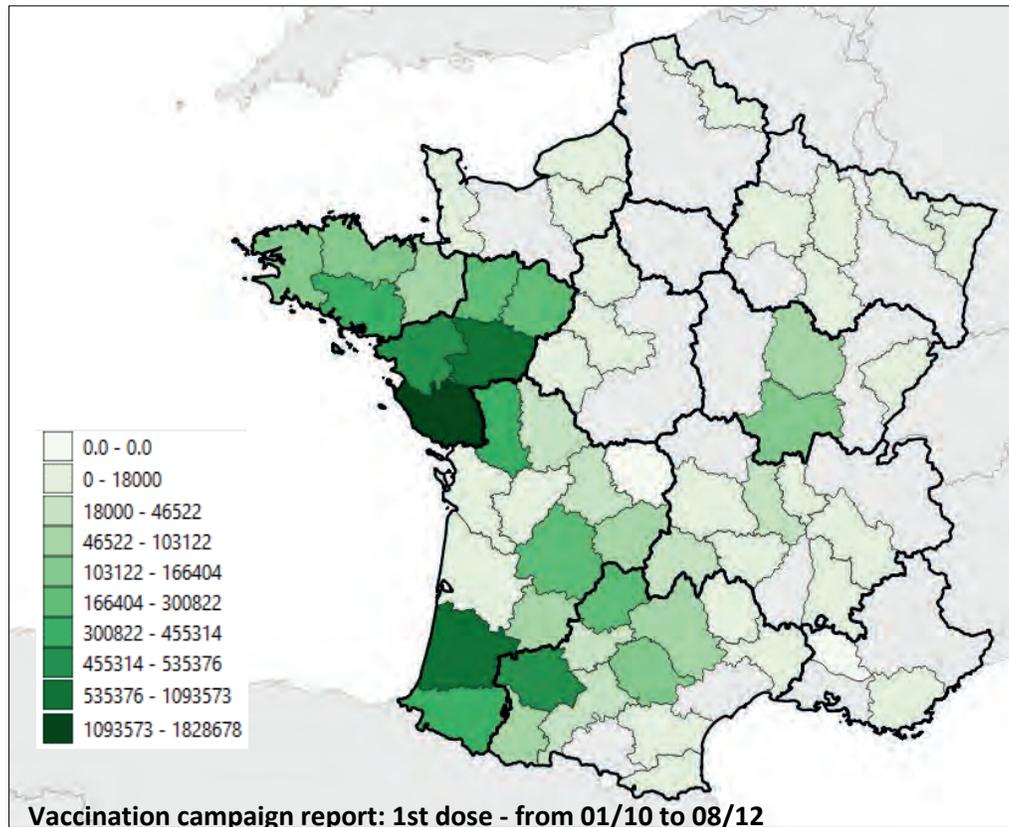
Reinforced post-vaccination surveillance

| Conditions | Reinforced passive surveillance | Active surveillance |
|-------------------------|--|--|
| Where? | Epidemiological Unit | |
| By who? | Breeder or Technician | Official veterinarian |
| Frequence? | Weekly | Every 30 days: clinical visit + virological analysis At the end of the batch: serological analysis |
| How? | Swabs (tracheal or oropharyngeal swabs) on 5 cadavers | Every 30 days: Swabs on 60 animals (tracheal or oropharyngeal swabs) At the end of the batch: blood collection from 20 animals |
| Analysis? | RT-PCR gene M virology If the result was positive → screening H5/H7 | RT-PCR gene M virology (If the result was positive → screening H5/H7) and ELISA NP serology |
| Laboratoty type? | Recognised laboratory | Approved laboratory |

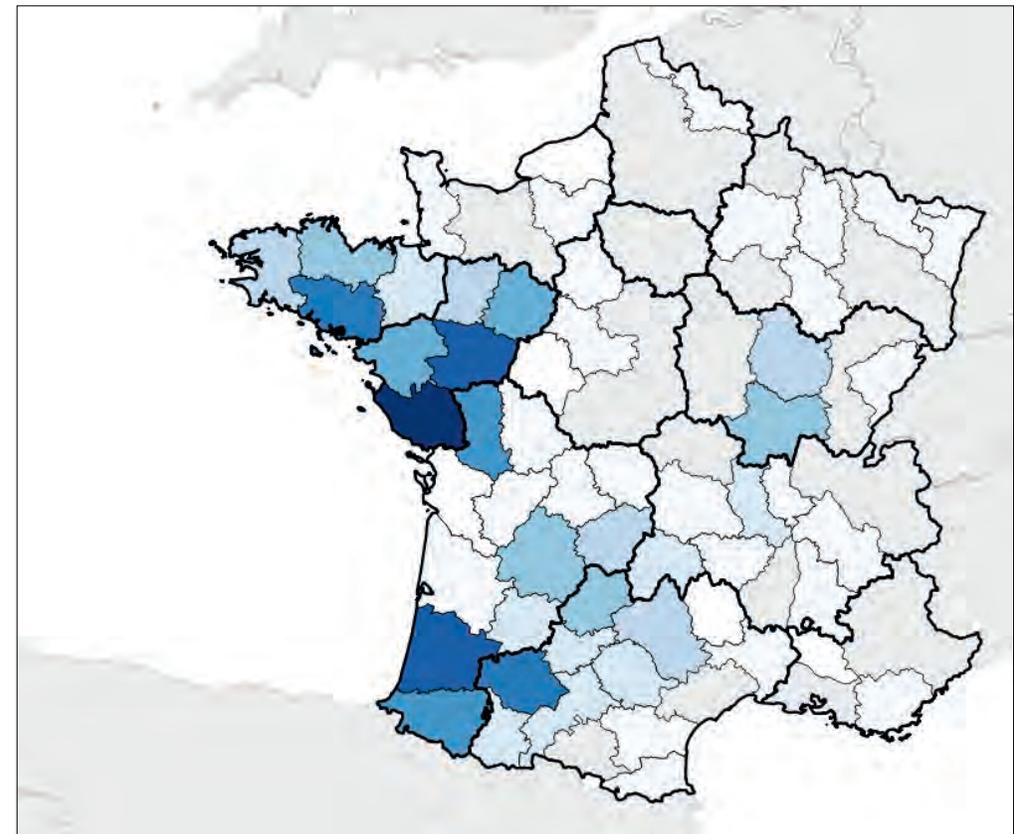
Vaccination follow-up report

Period : from 1st October to 8 December

8 849 852 ducks received a first dose of HPAI vaccine

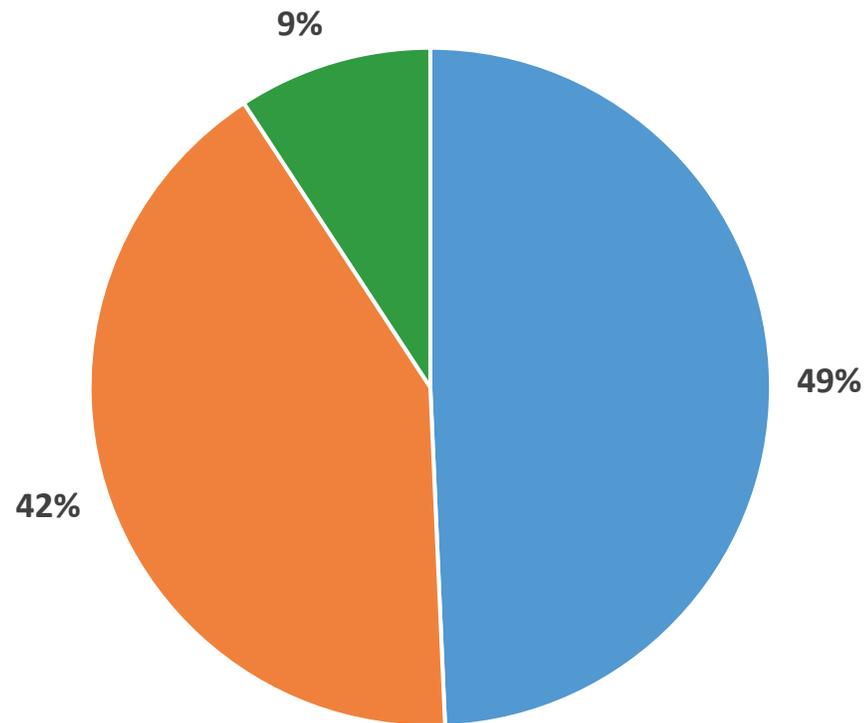


5 762 614 of them received a second dose of HPAI vaccine

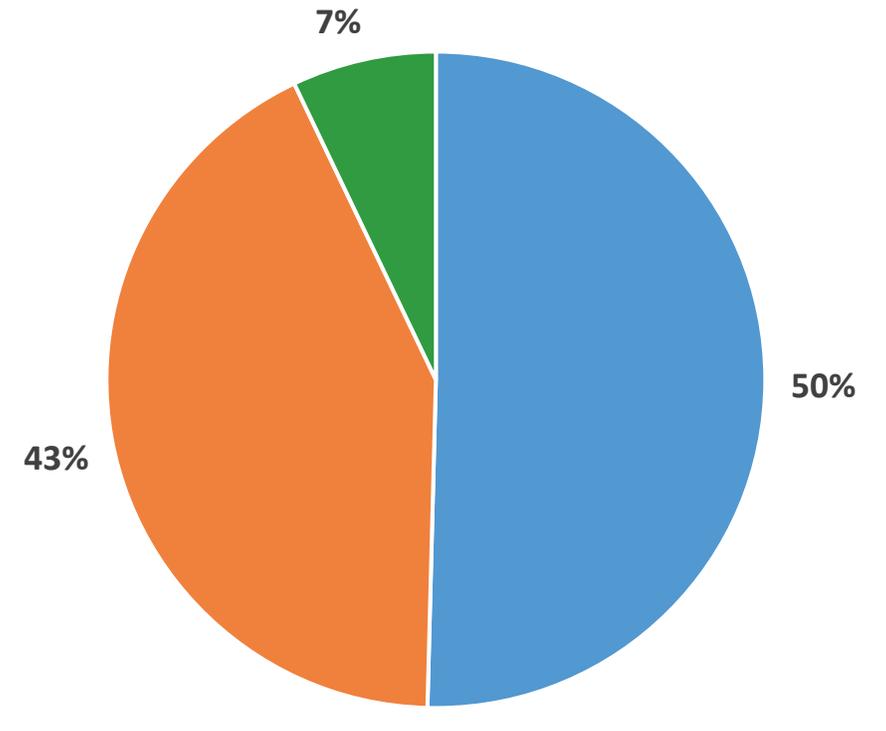


Distribution of the number of vaccinated ducks per species

First dose



Second dose



 Mulard ducks

 Barbarie ducks

 Pekin ducks



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HPAI SITUATION AS OF 12 DECEMBER

HPAI outbreaks in poultry

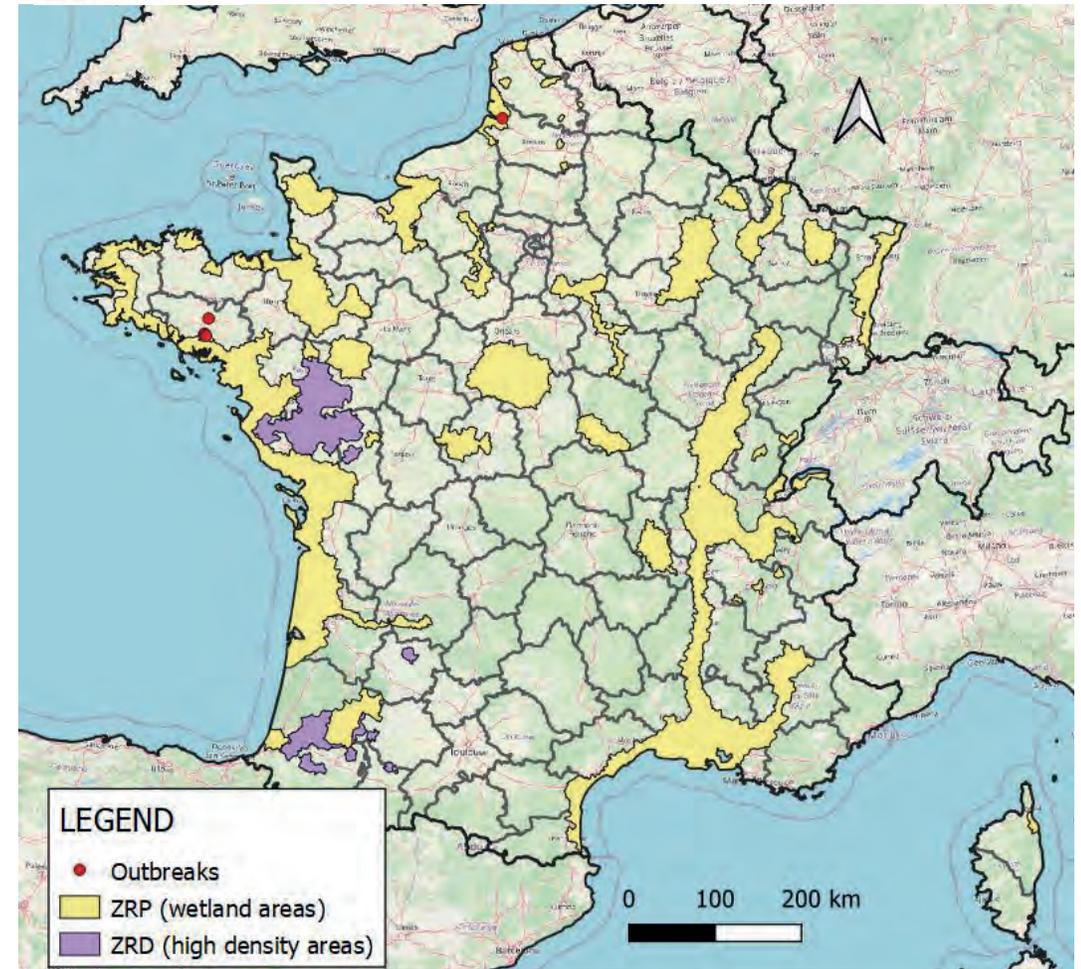
TOTAL in France since 1st of August 2023 : 5 outbreaks

1st outbreak of 2023-2024 season : 27th november

| Regions/Departements | Poultry outbreak |
|----------------------|------------------|
| Bretagne | |
| 56, Morbihan | 4 |
| Hauts-de-France | |
| 80, Somme | 1 |
| Total | 5 |

➤ 5 outbreaks in turkey farms

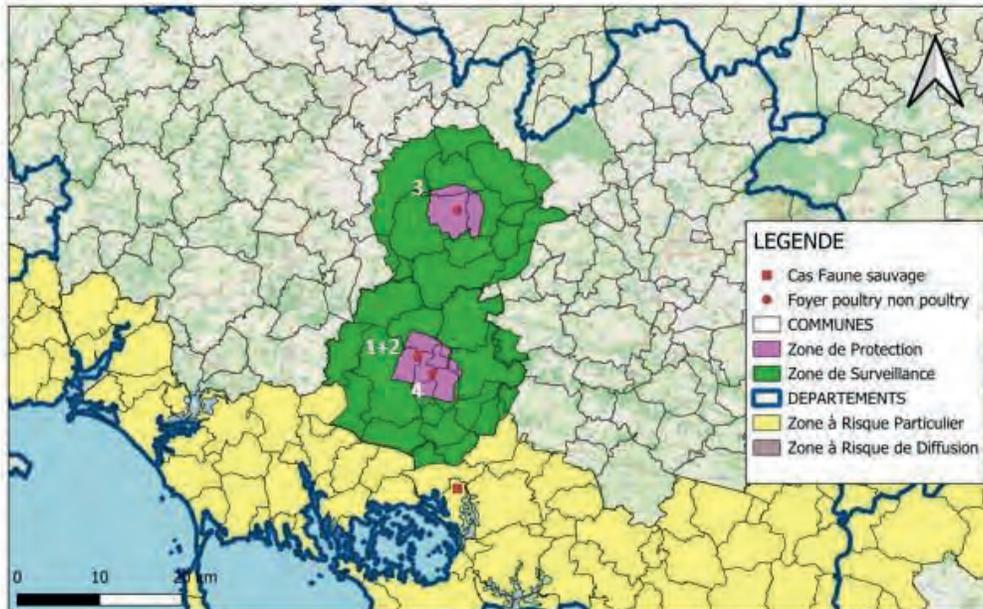
Location of HPAI outbreaks in poultry since 1st of August 2023



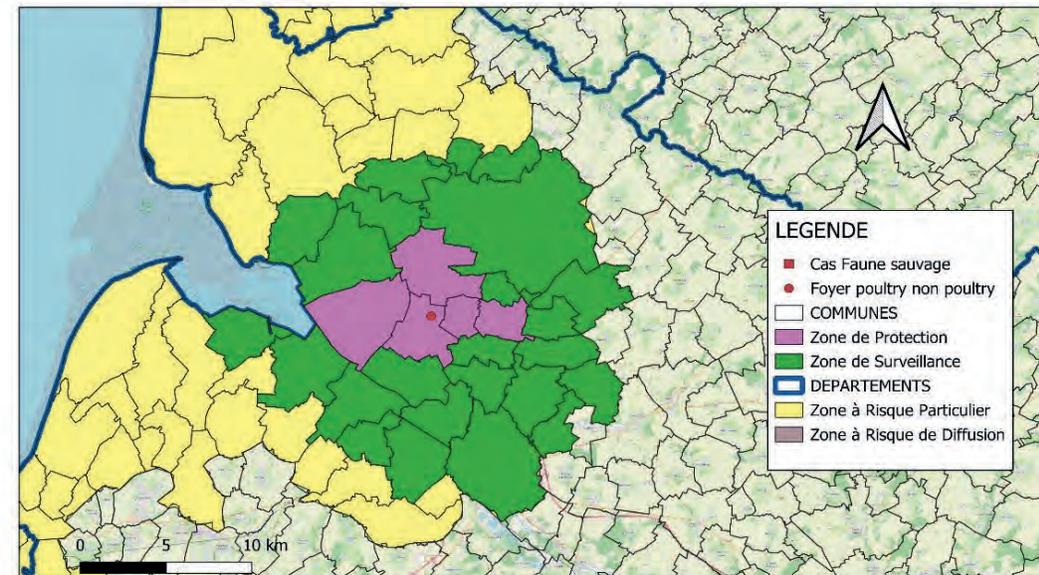
HPAI outbreaks in poultry

Protection and Surveillance Zones

HPAI outbreaks in Morbihan
As of 12/12/2023



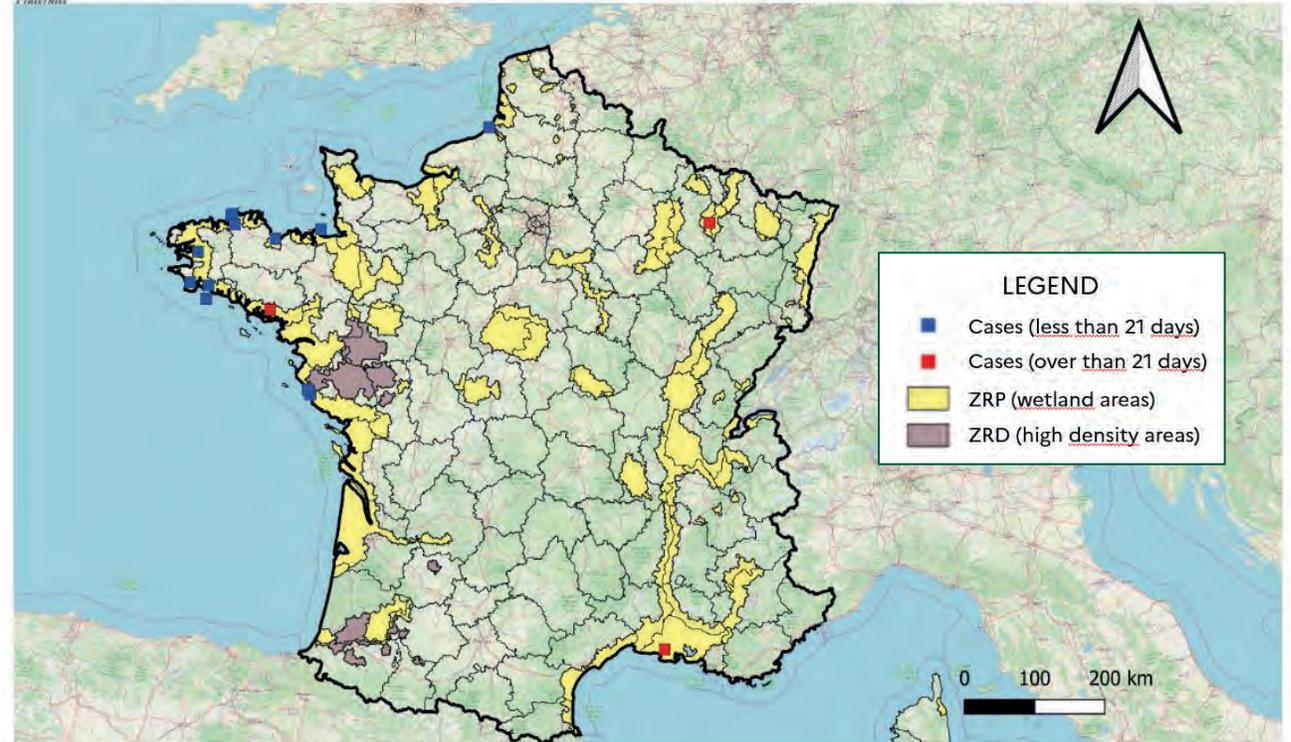
HPAI outbreaks in Somme
As of 12/12/2023



HPAI cases in wildlife

| Region/Departments | Cases |
|-----------------------------------|-------|
| Bretagne | |
| 22 , Côtes-d'Armor | 4 |
| 29 , Finistère | 4 |
| 35 , Ille-et-Vilaine | 1 |
| 56 , Morbihan | 1 |
| Hauts-de-France | |
| 80 , Somme | 1 |
| Pays de la Loire | |
| 85 , Vendée | 1 |
| Grand Est | |
| 55 , Meuse | 1 |
| Provence-Alpes-Côte d'Azur | |
| 13 , Bouches-du-Rhône | 1 |
| Total général | 14 |

Location of HPAI cases in wildlife since
 1st of August 2023
 As of 12/12/2023





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PREVENTION MEASURES

HPAI risk level

Mid-November : major wild bird migration + cases in wildlife and poultry outbreaks in neighboring countries

- Risk level increased to **moderate** by national decree of 24th november 2023

End of november / early december : cases in wildlife and first poultry outbreaks in France

- Risk level increased to **high** by national decree of 4th december 2023

High risk level : Prevention measures across the country

- **Early warning system**
 - Daily surveillance in farms with consideration of alert criteria
 - Autocontrols before movements in risk areas
- **Sheltering of poultry and kept birds across the country**
- **Restriction on hunting activities**
- **Restriction on bird gathering**



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OUTBREAK MANAGEMENT IN THE CONTEXT OF VACCINATION

Control measures in a vaccination context

In the case of outbreak in vaccinated establishment

- Application of conventional control measures in the outbreak as provided by EU regulation 2020/687, including the culling of vaccinated birds without delay.

Management of vaccinated establishments in restricted zones

- In view of the risk of exposure to the HPAI virus, **active post-vaccination monitoring** is carried out **every two weeks**, with samples (tracheal or oropharyngeal swabs) taken from 60 vaccinated individuals for virological analysis (RT-PCR).

Thank you for your attention

