



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

*Liberté
Égalité
Fraternité*

WOAH Regional Seminar

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Vector-borne diseases in France

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Ministère de l'Agriculture et de la Souveraineté Alimentaire

25-27 June 2025

OVERVIEW

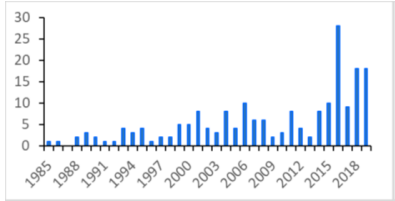
1. VBDs registered in the country and priority VBDs for national programmes.
2. Outbreaks of priority VBD/s and measures taken in the country for surveillance, prevention, and control of the disease in animals (and humans, if zoonoses).
3. Country needs regarding VBD surveillance and control.



RAPID COMMUNICATION

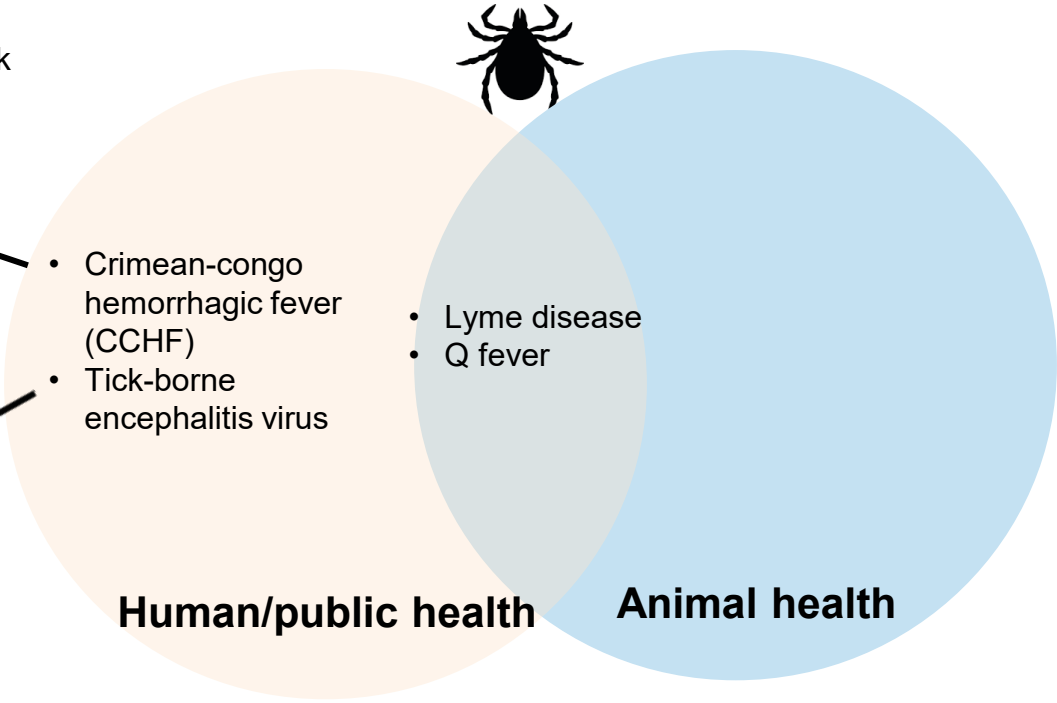
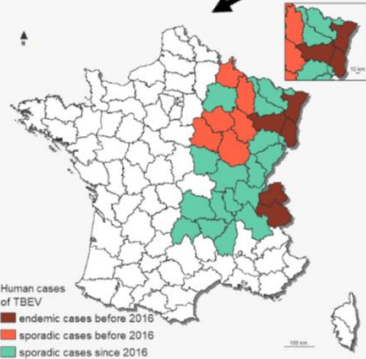
Detection of Crimean–Congo haemorrhagic fever virus in *Hyalomma marginatum* ticks, southern France, May 2022 and April 2023

Célia Bernard^{1,2}, Charlotte Joly Kukla^{1,2}, Ignace Rakotoarivony^{1,3}, Maxime Duhayon^{1,2}, Frédéric Stachurski^{1,2}, Karine Huber^{1,2}, Carla Giupponi^{1,2}, Iyonna Zortman^{1,2}, Philippe Holzmüller^{1,2}, Thomas Pollet^{1,2}, Mélanie Jeanneau^{1,2}, Alice Mercery^{1,2}, Nathalie Vachier^{1,2}, Thierry Lefrançois^{1,2}, Claire Garros^{1,2}, Vincent Michaud^{1,2}, Loïc Comter^{1,2}, Léa Despois^{1,2}, Philippe Pourquier^{1,2}, Caroline Picard^{1,2}, Alexandra Journeaux^{1,2}, Damien Thomas^{1,2}, Sabine Godard^{1,2}, Elodie Moissonnier^{1,2}, Stéphane Mely^{1,2}, Manon Segal^{1,2}, Delphine Pannetier^{1,2}, Sylvain Balze^{1,2}, Laurence Vial^{1,2}

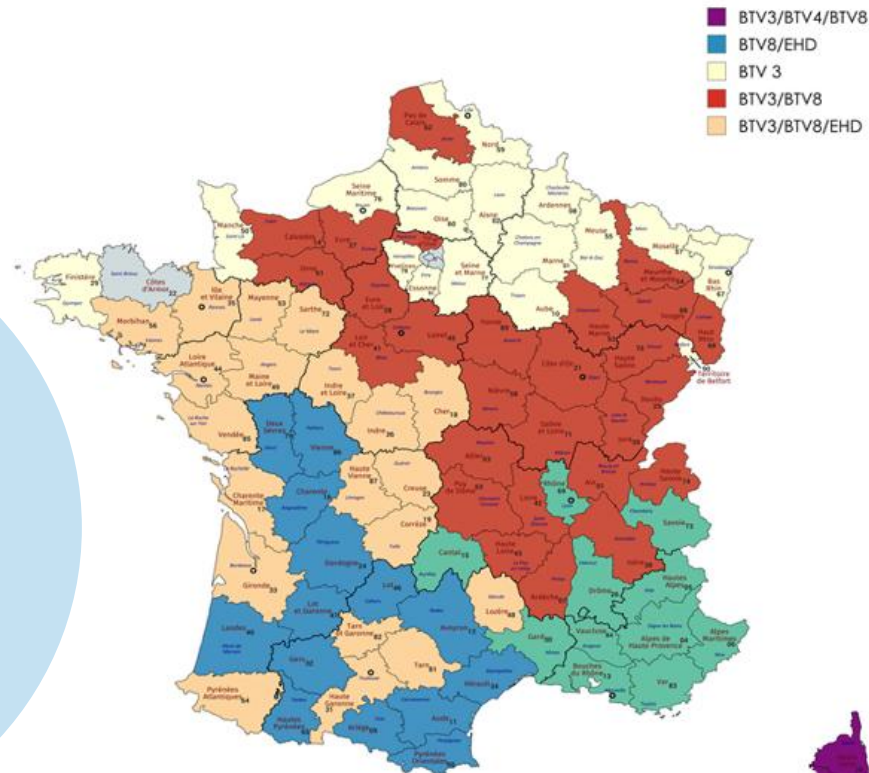
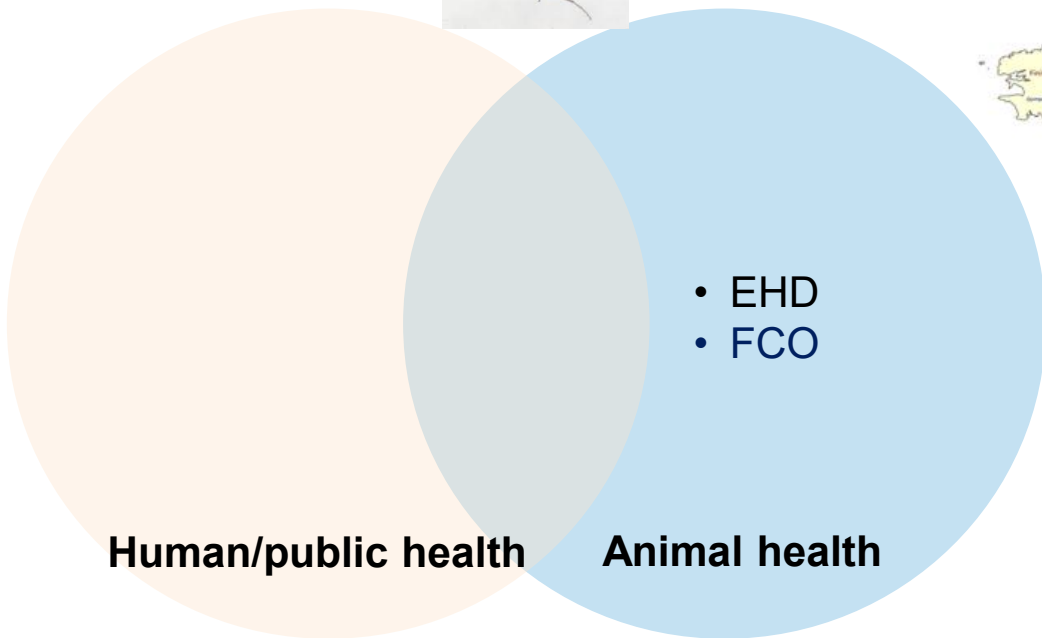


Source: Velay & Hansmann

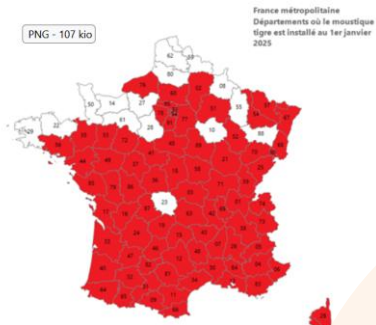
So far, No human outbreak



Culicoides



Distribution of FCO & EHD 19th June 2025



Distribution of
Aedes albopictus



Mosquitoes



Autochthonous case
of :

- Dengue (83 in 2024)
- Zika (1 in 2019)
- Chikungunya (1 in 2024)
- West Nile Disease

Human/public health

Animal health

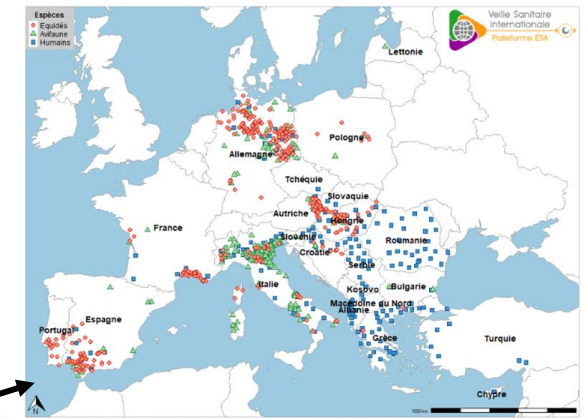
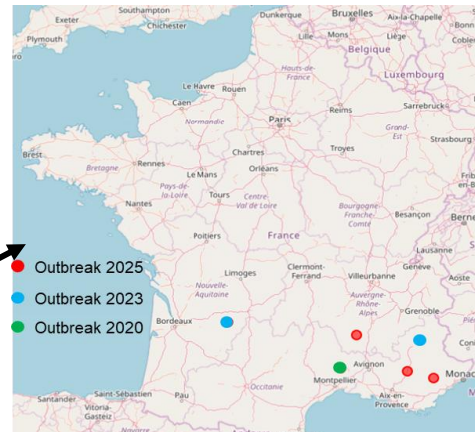
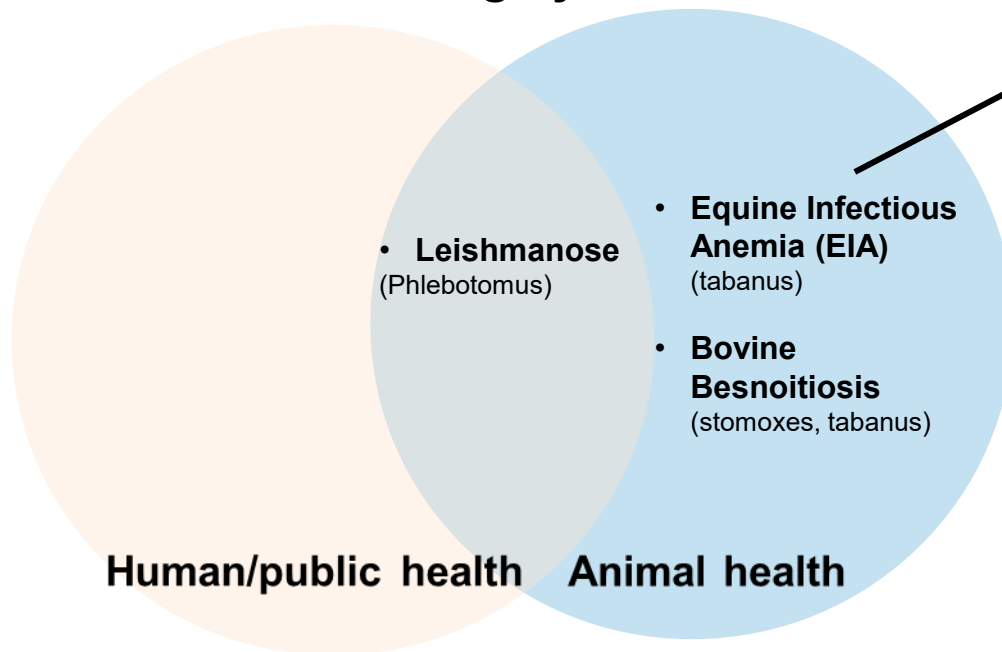


Figure 1. Cas d'infection par le virus West Nile en 2024 pour les foyers/cas animaux et pour les zones affectées par les cas humains dans les pays d'Europe (UE et voisins) (source : Commission Européenne ADIS 12/11/2024 et ECDC weekly dataset du 08/11/2024).

Biting flies



- **Event-based surveillance**
(most outbreaks are asymptomatic)
- **Planned surveillance :**
mandatory blood testing
(Coggins test) for horses in
shows, reproduction, or trade

OVERVIEW

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3. Country needs regarding VBD surveillance and control.

Situation update of the Epizootic haemorrhagic disease (EHD)

First outbreaks in September 2023 at the West border of Spain

Surveillance measures :

Event-based surveillance : cost of the visit by the sanitary veterinarian, the blood sampling and the laboratory analysis covered by the state

Control measures :

❖ Movements restriction between the regulated zone (a 150 Kms radius around the outbreaks) and the free zone

- Disinsectisation + negative PCR

OR

- Starting in September 2024, vaccination is possible with a vaccine which prevents the viremia

❖ Weekly evolution of the restricted zone

<https://agriculture.gouv.fr/mhe-la-maladie-hemorragique-epizootique>

Characteristic of EHD :

- Transmitted by Culicoide
- Orbivirus like BTV virus
- Affects cattle while small ruminants are most often asymptomatic



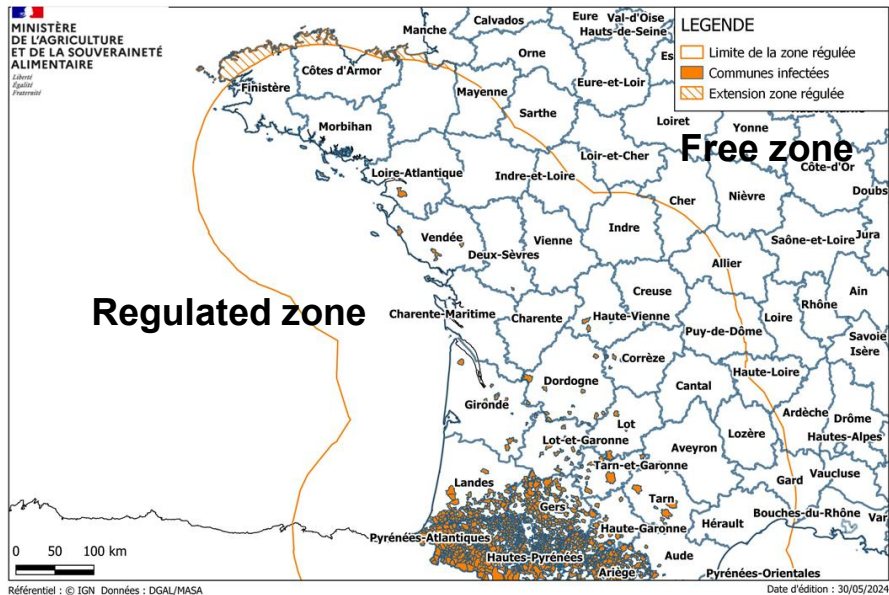
- slow down the spread of the disease
- preserve national movement and trade in free zones

A research program is launched in order to better understand this disease.

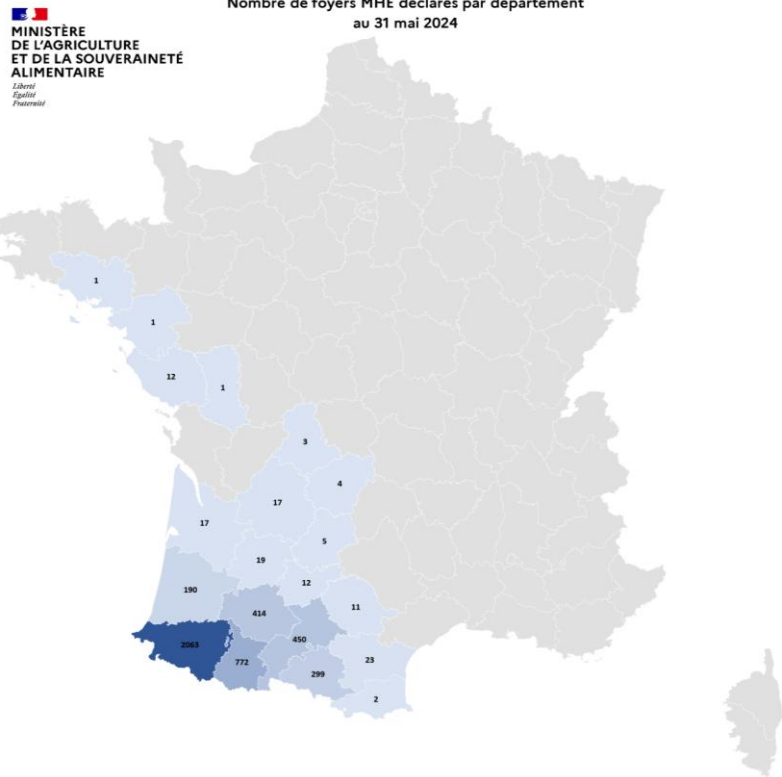
Situation update of the Epizootic haemorrhagic disease (EHD)

Vector season 2023-2024 (from September 19, 2023 to May 31, 2024) : 4316 outbreaks

MALADIE HEMORRAGIQUE EPIZOOTIQUE (MHE) : FOYERS EN FRANCE

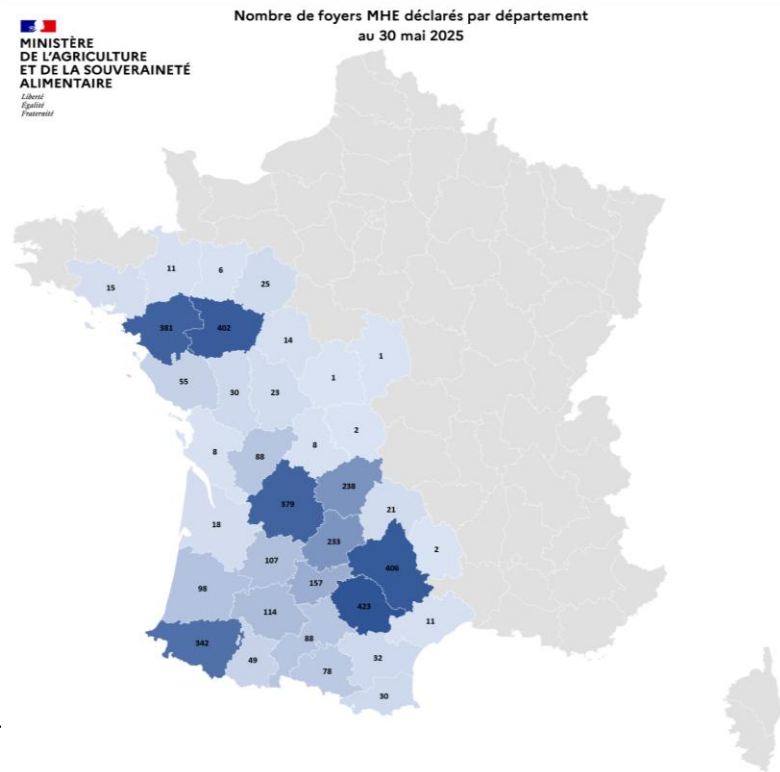
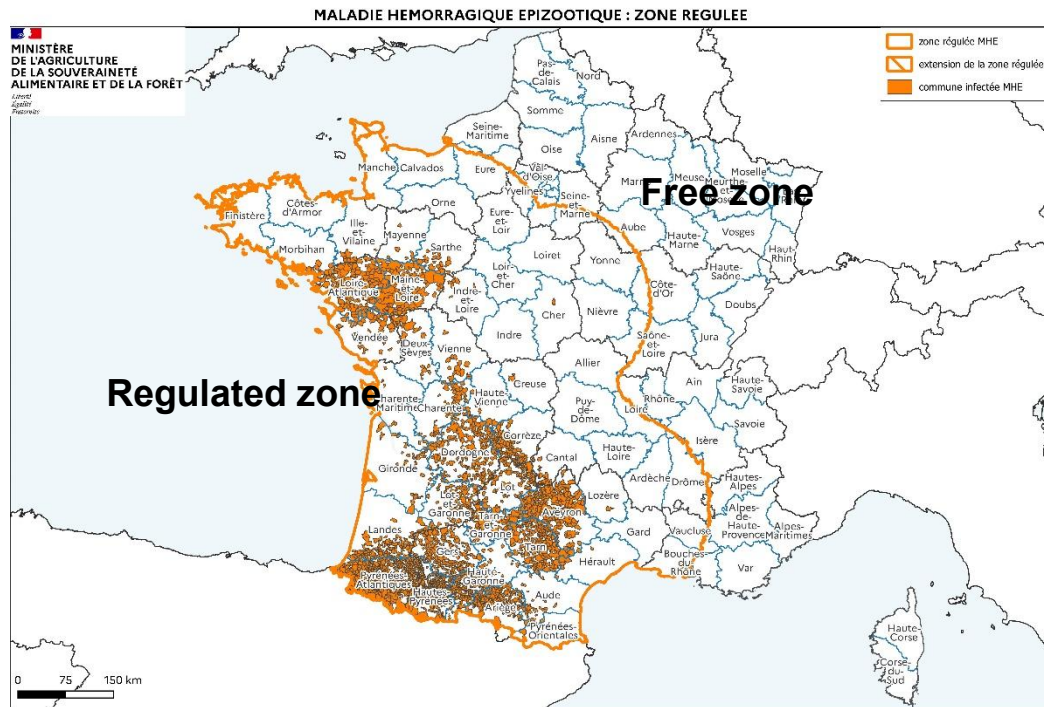


Nombre de foyers MHE déclarés par département au 31 mai 2024

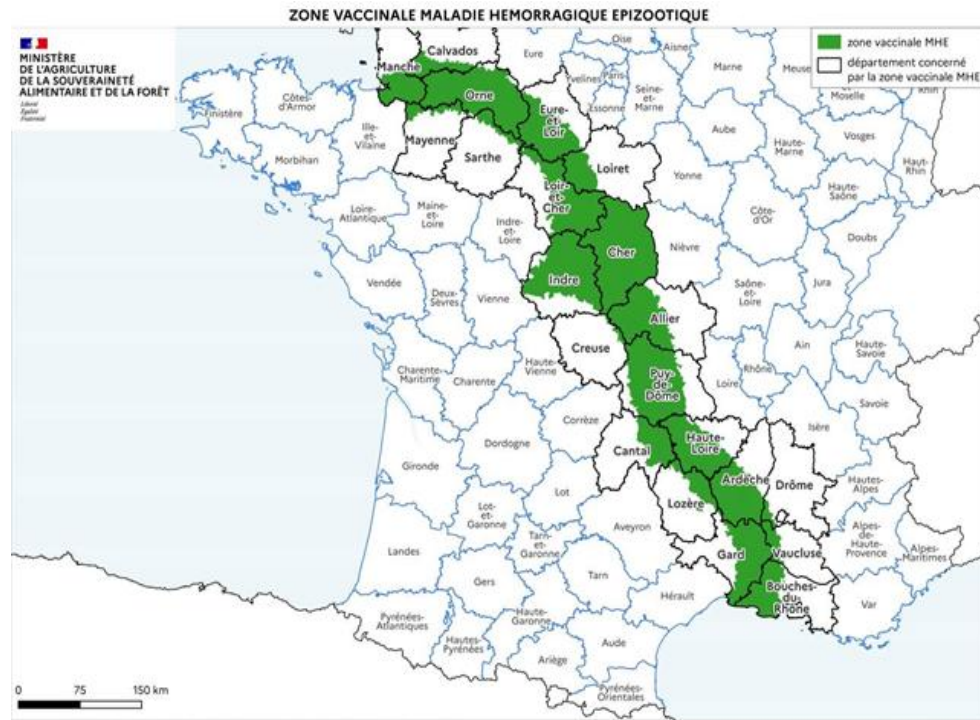


Situation update of the Epizootic haemorrhagic disease (EHD)

Vector season 2024-2025 (from June 1, 2024 to May 31, 2025) : 3 896 outbreaks



Vaccination strategy regarding the Epizootic haemorrhagic disease (EHD)



Sources : MASAf (7 octobre 2024), IGN (ADMINEXPRESS, 2024), ©EuroGeographics 2024

Edition le 07/10/2024

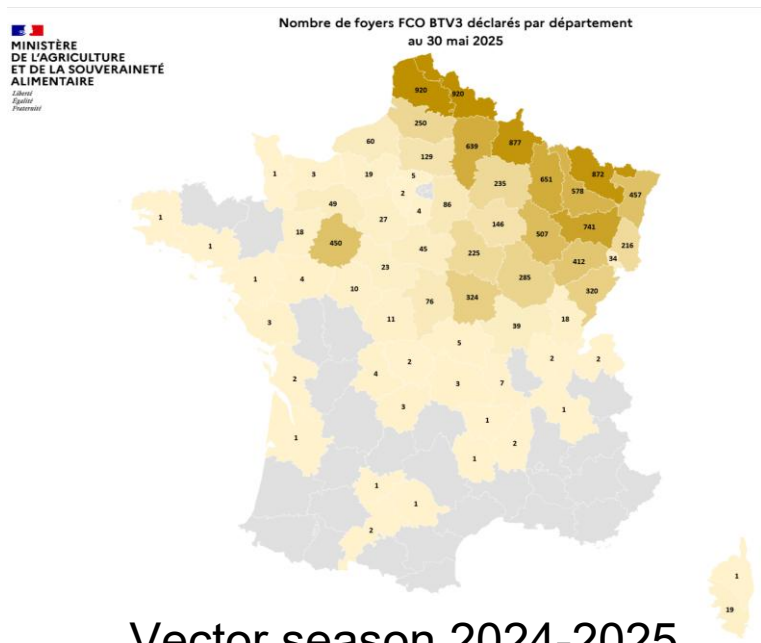
HEPIZOVAC

2 million doses were distributed in the vaccination zone for cattle in order to prevent and slow down the spread of disease from the end of September 2024 until January 2025

Livestock farmers could vaccinate their animals themselves using these free vaccines, except in cases where the animals are intended to be moved from the regulated zone; in such instances, cattle must be vaccinated by a veterinarian.

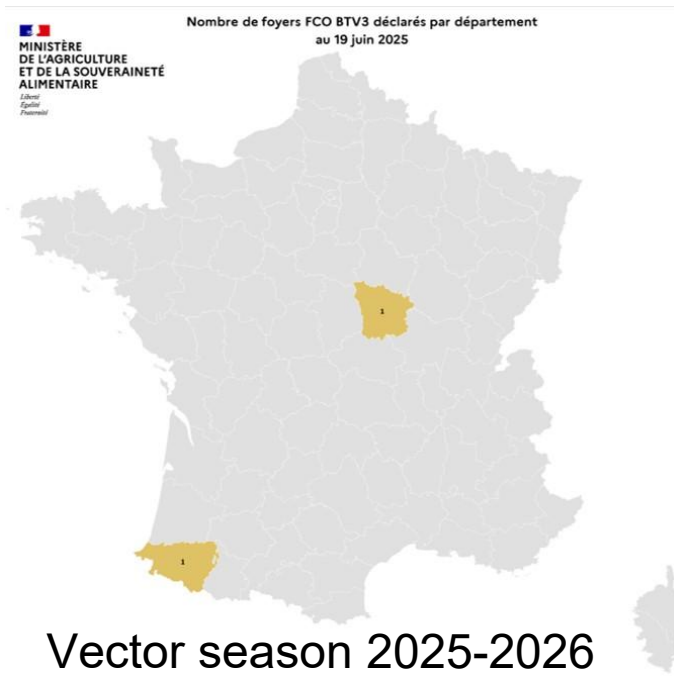
Situation update of BTV 3

First outbreak in the North of France the 5th of August 2024



Vector season 2024-2025

(from August 5, 2024 to May 31, 2025) : 10 745 outbreaks



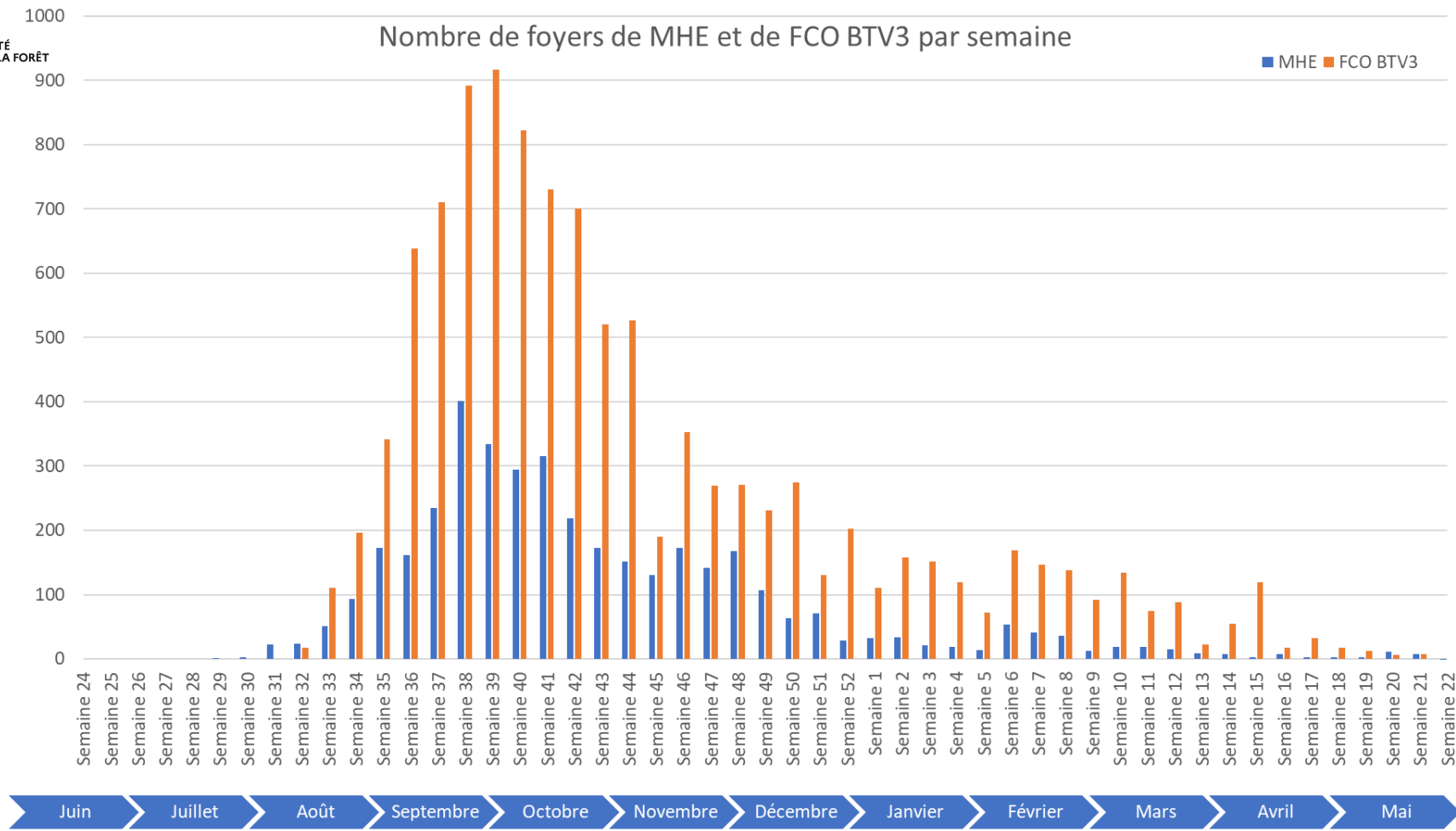
Vector season 2025-2026

(since June, 1) : 2 outbreaks

<https://agriculture.gouv.fr/la-situation-de-la-fievre-catarrhale-ovine-fco-en-france>

Nombre de foyers de MHE et de FCO BTV3 par semaine

■ MHE ■ FCO BTV3



Situation update of BTV 3

Surveillance measures :

- Event-based surveillance : cost of the visit by the sanitary veterinarian, the blood sampling and the laboratory analysis covered by the state
- Planned surveillance

Control measures :

❖ Movements restriction between the regulated zone (a 150 Kms radius around the outbreaks) and the free zone

- Disinsectisation + negative PCR

OR

- vaccination is possible with a vaccine which prevents the viremia

❖ Weekly evolution of the restricted zone

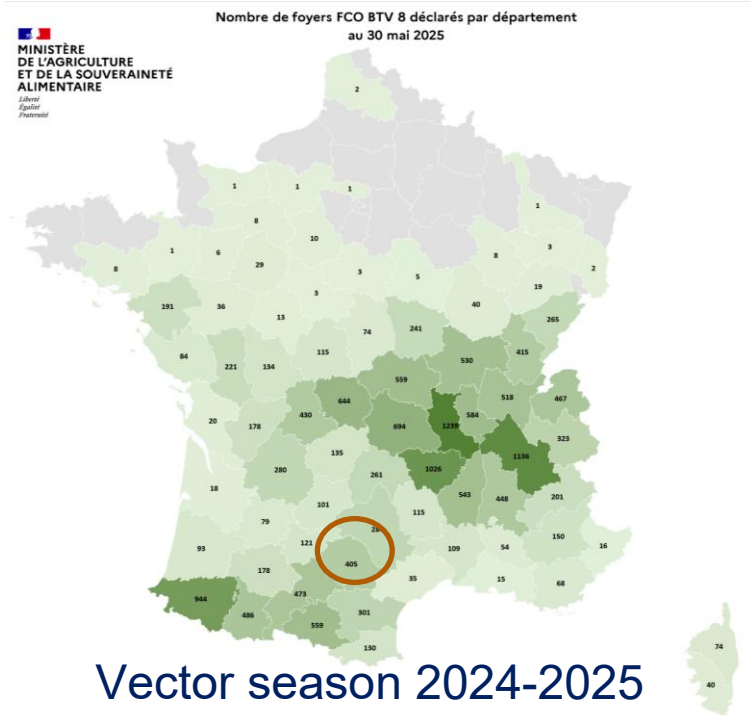
→ **Due to the rapid diffusion of BTV3 across the territory, the regulated zone was lifted in February 2025**

❖ vaccination : 11,7 million doses BTV3 were distributed to vaccinate sheep and cattle in autumn 2024

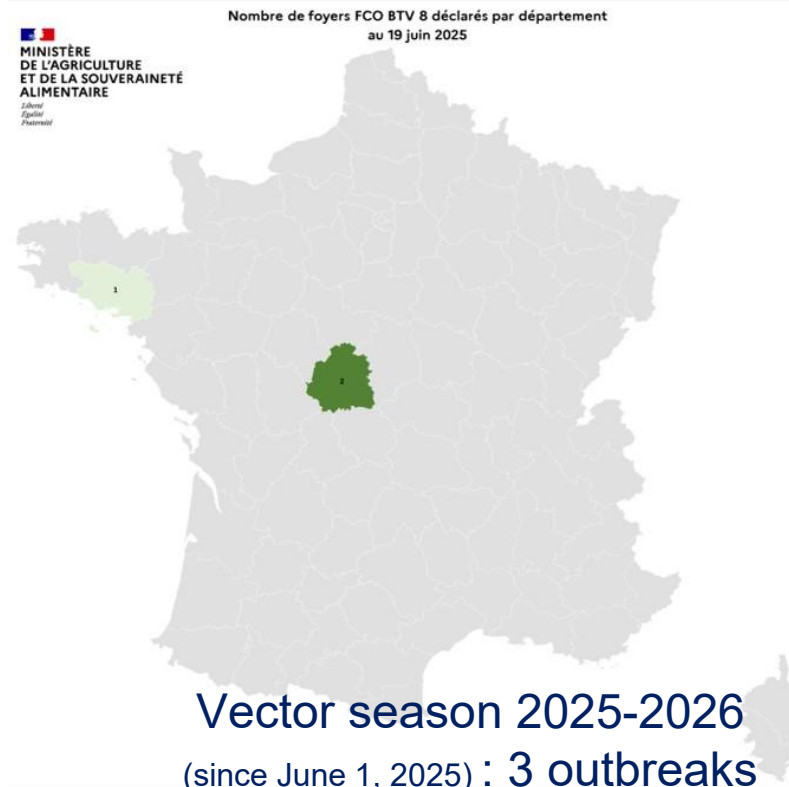
Situation update of BTV 8

A new strain of the BTV-8 has emerged in France in August 2023

BTV-8 considered as enzootic in France. → Surveillance but no specific national measures.



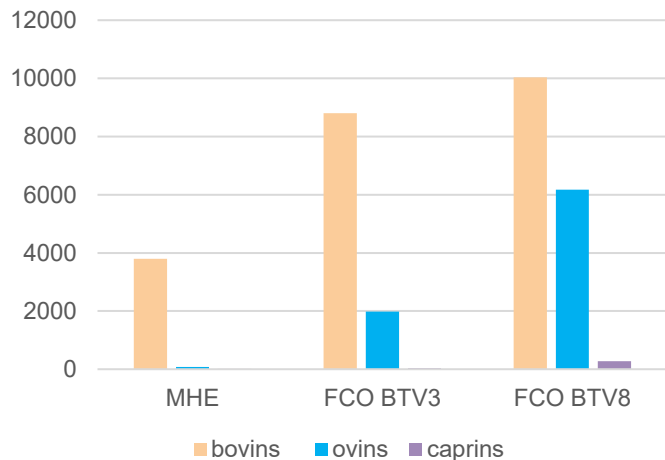
from June 1, 2024 to May 31, 2025) : 17 004 outbreaks



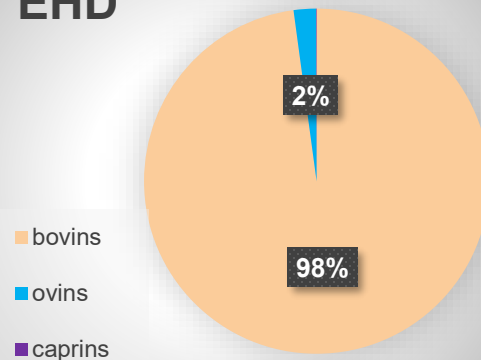
(since June 1, 2025) : 3 outbreaks

Health report on BTV3, BTV8 & EHD during the 2024-2025 vector season

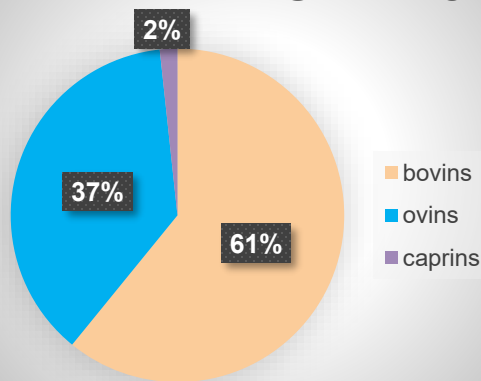
	EHD	FCO BTV3	FCO BTV8
Number of outbreaks	3896	10745	17004
Cattle	3795	8803	10038
Sheep	81	1984	6170
Goat	2	38	280



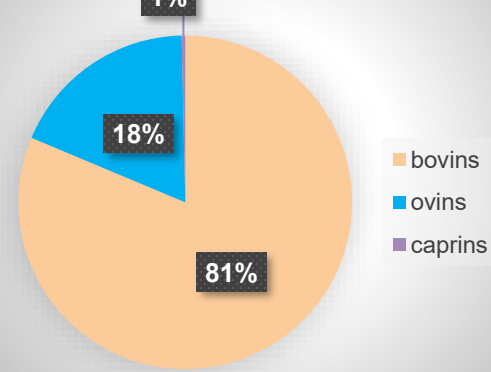
EHD



FCO BTV 8



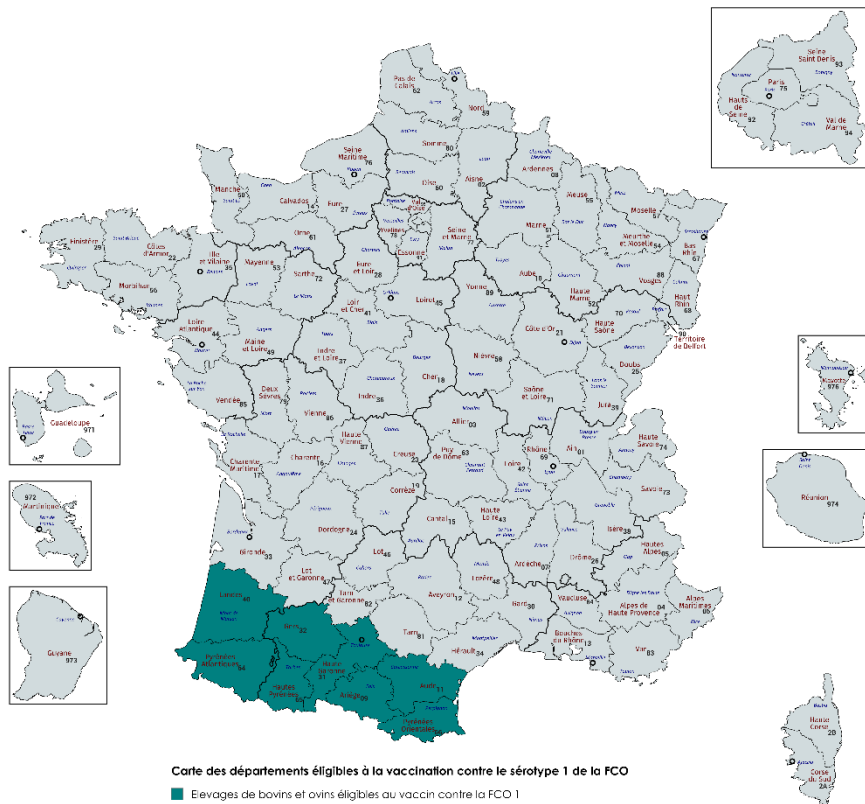
FCO BTV 3



A new vaccination campaign is about to begin in July 2025

With the stop of the bluetongue eradication program in Spain, there is a fear that BTV-1 may rapidly spread northwards

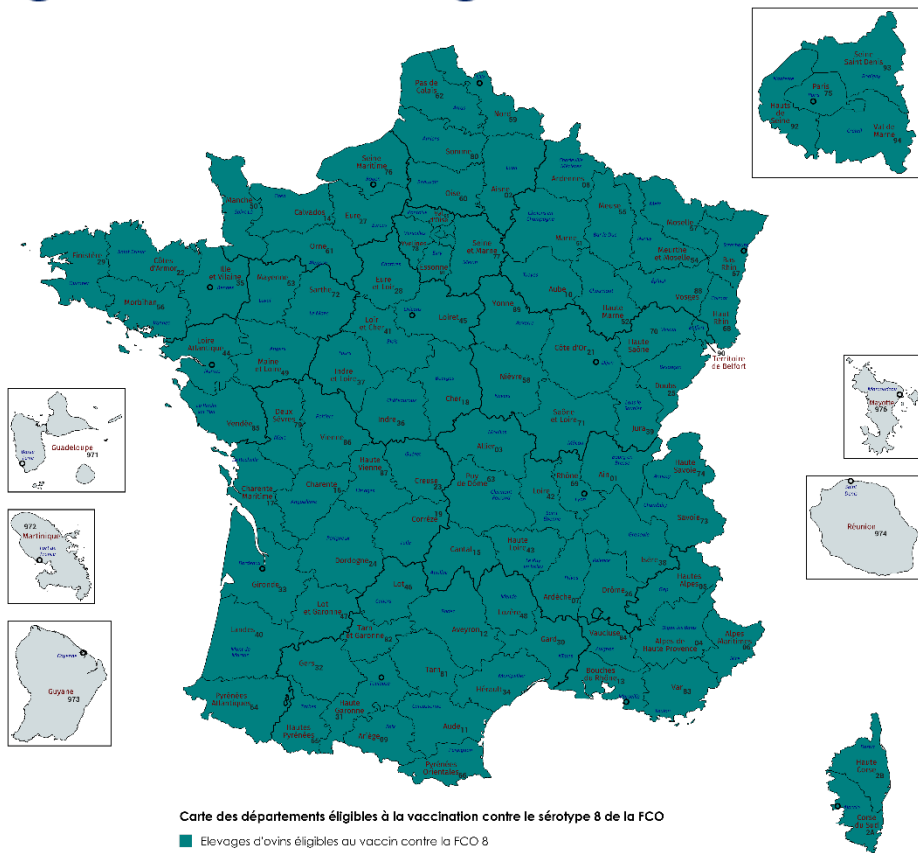
BTV1 vaccines available on public stock for 1 million cattle and 600 000 sheep of 8 départements close to Spain border



A new vaccination campaign is about to begin

This current tension on the supply of BTV8 vaccine justifies the state order that allows doses to be reserved for the national territory.

7 millions BTV8 vaccines available on public stock in order to minimise the impact of vector-borne diseases specially in sheep herds



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Vaccination is the major toll to control BTV/EHD

- But in a context where numerous serotype are present across Europe, there is a pressure on the vaccine market, leading to shortage of certain vaccines and preventing adequate vaccination (In quantity and at the good time)
- The creation of an antigen bank would also make it possible to develop a vaccine much more rapidly in the event of the emergence of a new exotic serotype in Europe.
- Develop multivalent vaccines
- Cross border coordination
- Improve communication toward farmers

Thank you for attention