

Avian Influenza outbreaks in France in 2015-2016

EPIDEMIOLOGICAL FEATURES AND SURVEILLANCE

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MAIN FACTS

French poultry sector is facing the largest Highly Pathogenic Avian Influenza (AI HP) outbreak episode in Europe since the Italian episode in 2000.
Duck sector is the most impacted sector by the three subtypes of AI HP H5 virus circulating.
The risk zoonotic transmission is low based on virus sequencing results.

SURVEILLANCE STRATEGY

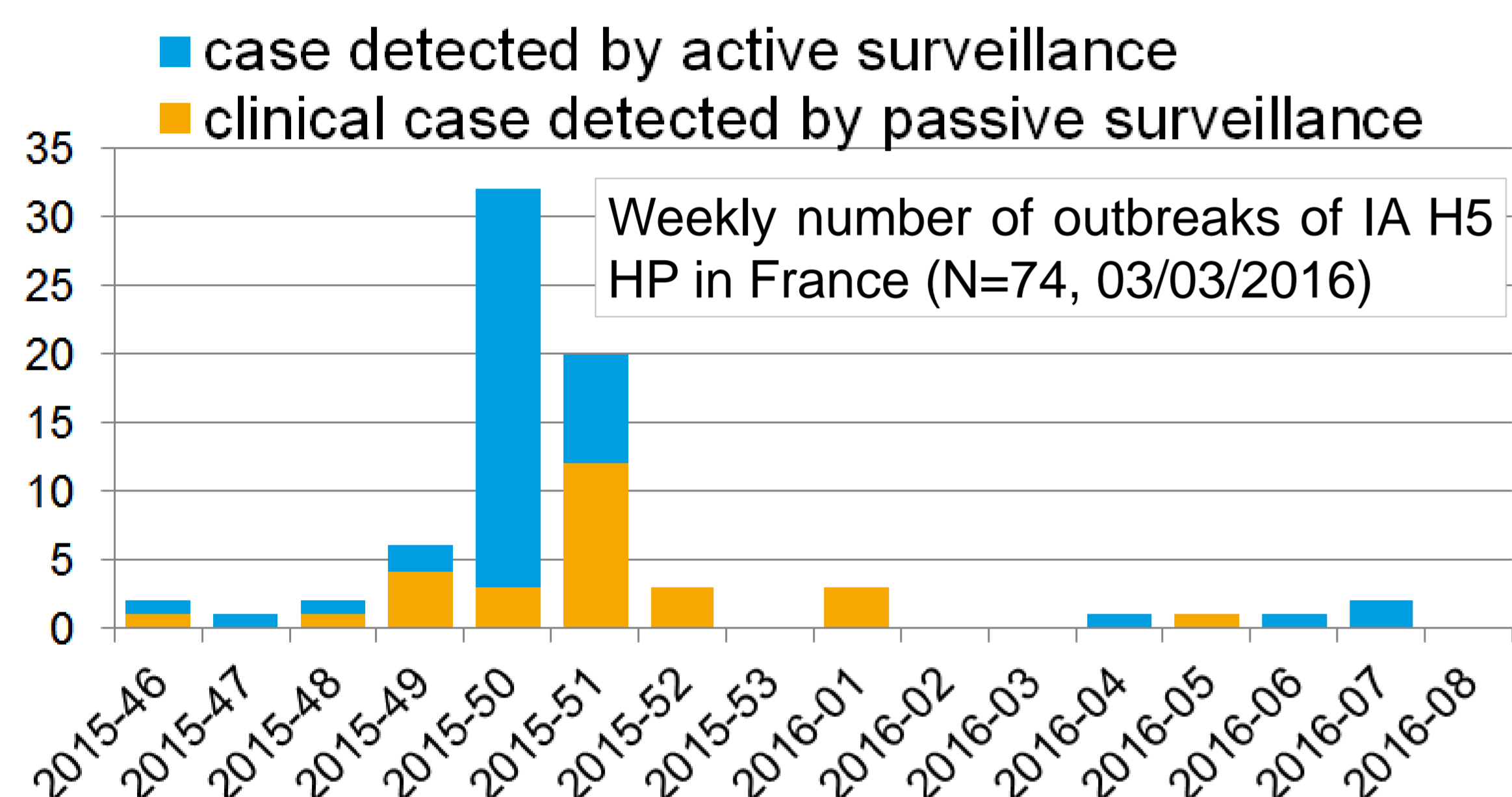
Reinforcement of AI surveillance:

- To ensure the freedom of disease in all galliform flocks and in duck flocks in the area free from AI
- To evaluate the results of the eradication strategy implemented in duck flocks at production level in the Restriction Zone

Members of the ESA Platform are key actors of the surveillance

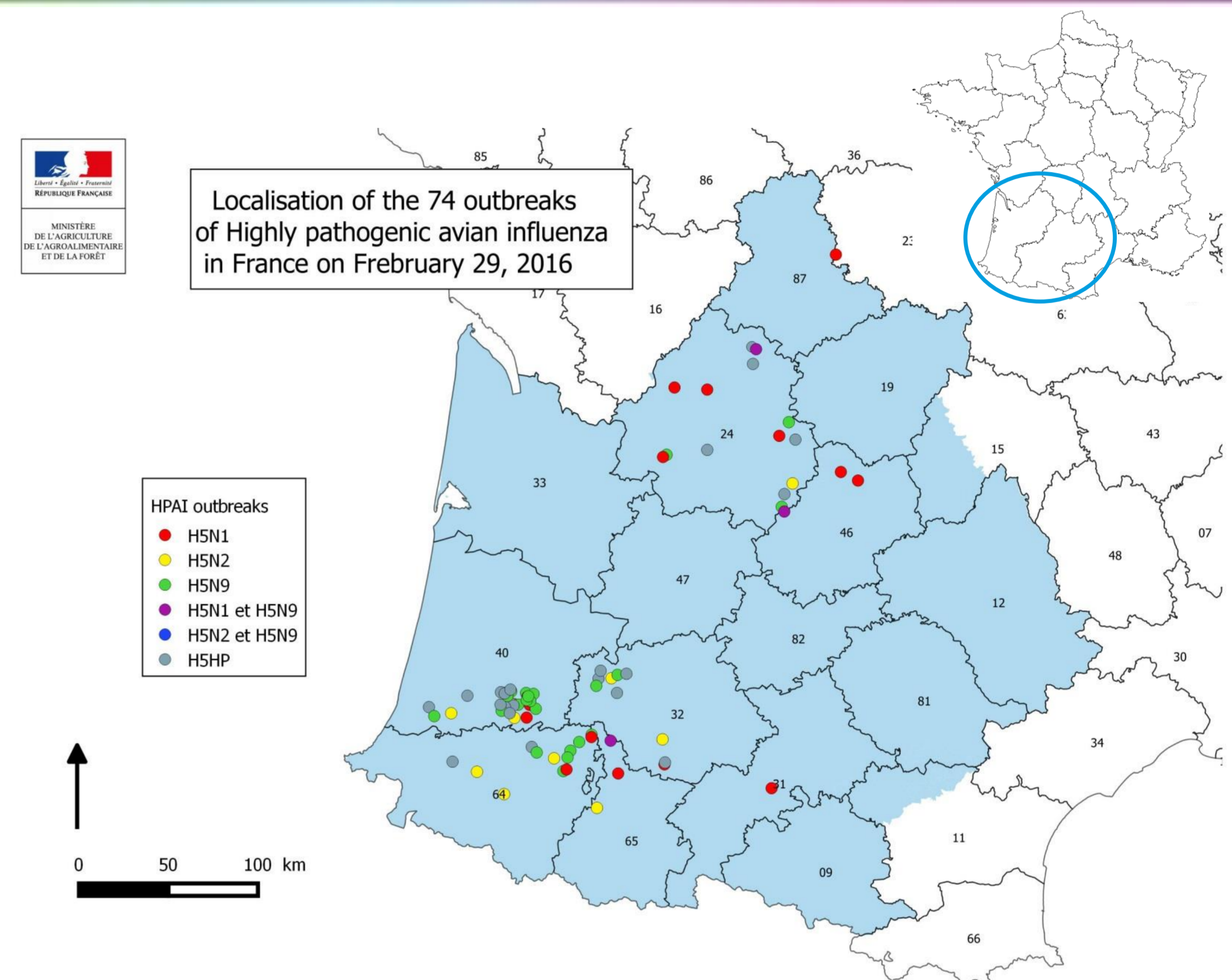
OUTBREAKS

11/24/2015: first clinical outbreak in a backyard (H5 N1 HP).



12/17/2015: Creation of a Restriction Zone (RZ) for disease containment and eradication.

- 78 % of the outbreaks affect duck flocks.
- All infected flocks were stamped out and farms cleaned and disinfected.
- All outbreaks are in the South-West part of France
- Duck sector has a very complex organization : 197 farms are in epidemiological relation with the outbreaks (data for 45 outbreaks)



SURVEILLANCE ORGANIZATION

Roles of the French National Surveillance Platform for Animal Health in the surveillance of AI H5 HP outbreaks

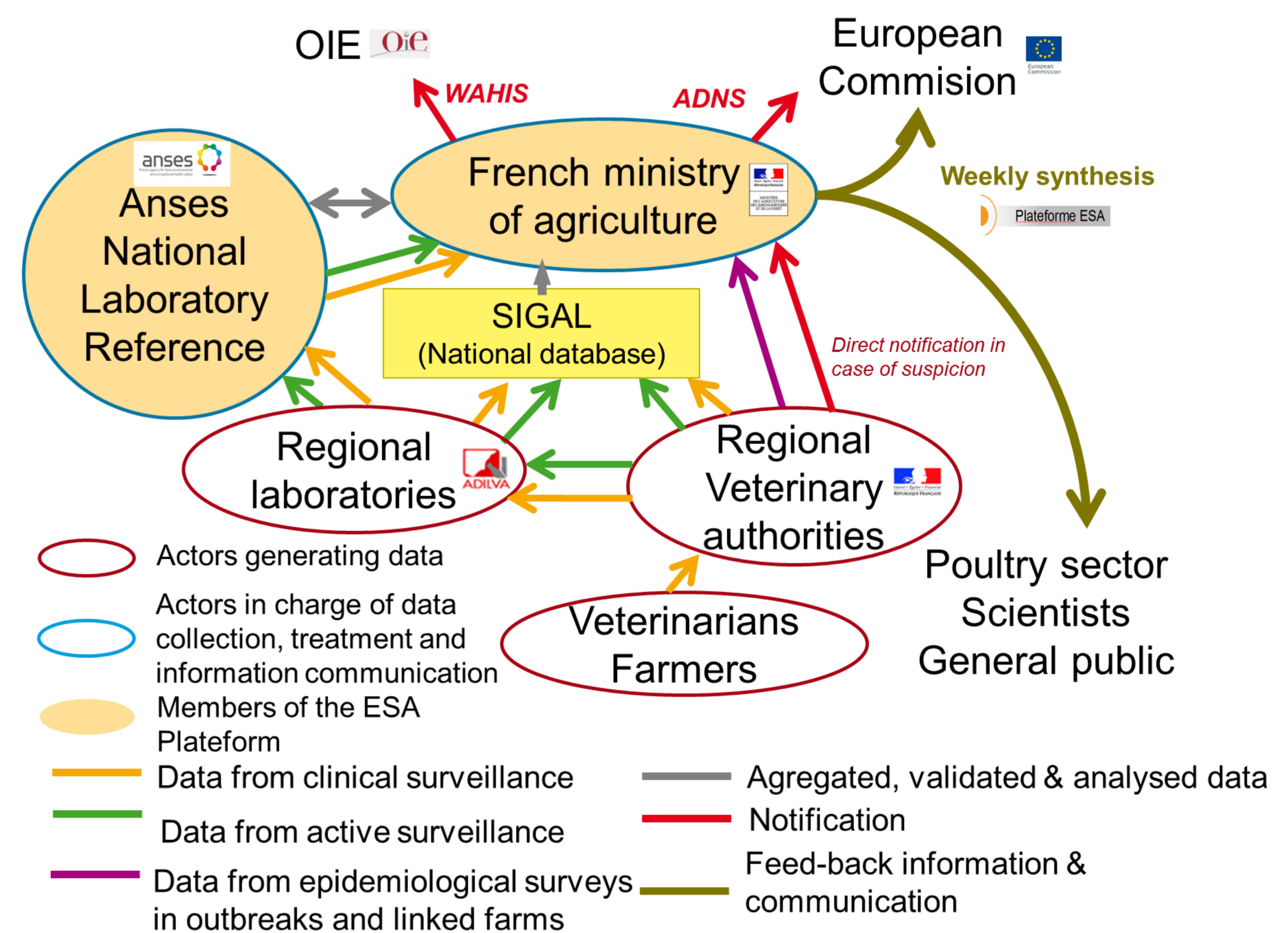
Created in November 2011 by an agreement between veterinary authorities, farmers, veterinarians, scientists and labs.

Main objective: ensuring the efficiency of animal health surveillance systems

Time and resources dedicated to surveillance, following methodological standards: key issue, especially during a sanitary crisis

- Contribution to the elaboration of surveillance protocols based on the objectives defined by the risk manager: role of a dedicated follow-up group including the actors involved in the surveillance at national and local levels
- Centralization, cross-validation and analysis of epidemiological data by the epidemiologists, the NRL and the risk manager
- Sharing of health data, feed-back information to the actors of the surveillance and dissemination of information on the sanitary situation

Data and information flow chart for AI surveillance in France



SURVEILLANCE STRATEGY

	ACTIONS	TARGET	MODALITIES*	COMMENTS
ON-GOING	Clinical surveillance	all poultry flocks in France	C	64205 flocks under surveillance in France
	Surveillance in breeder duck flocks	all flocks	S+V	
	Surveillance in breeder poultry flocks	all flocks in RZ a sample of flocks in area free from AI	S	In area free from AI: prevalence limit : 1 % at 95 % random selection, > 1 flock/ department
UPCOMING	Risk-based surveillance of galliform flocks in RZ	free-ranged galliform flocks at slaughter	to be defined	sampling strategy to be defined
	Enhanced surveillance in wildlife and farmed game bird	to be defined	to be defined	sampling strategy to be defined
	Control of disease : lifting of reglemented zones	poultry farms in RZ	to be defined	sampling strategy to be defined
	Yearly national AI survey in 2016 and 2017	to be defined	to be defined	modification of the previsionnal strategy to take into account the risk of transmission from wildlife and from palmipedes also

*C: clinical surveillance, S: serological surveillance, V: virological surveillance