



Highly Pathogenic Avian Influenza

France

3 May 2016



Outline of presentation

0. Updated situation and general strategy
1. Overview of the depopulation strategy and timetable
2. Surveillance results : breeding flocks and free ranging poultry, lifting protection and surveillance zones
3. Restocking conditions
4. Controls and inspections
5. Coming surveillance activities
6. Biosecurity measures



Outline of presentation

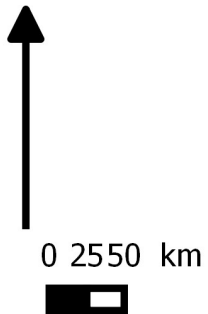
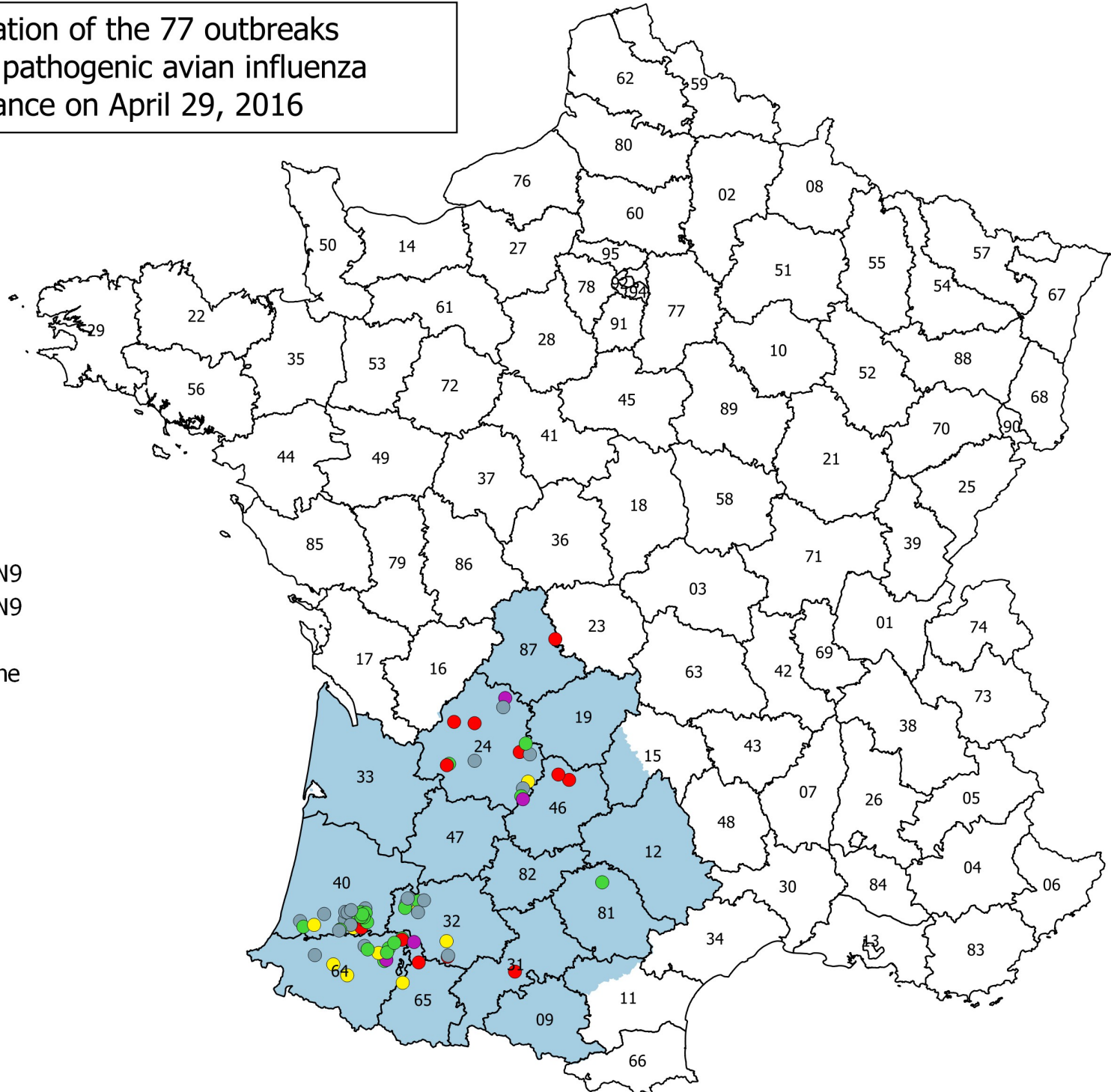
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Localisation of the 77 outbreaks of Highly pathogenic avian influenza in France on April 29, 2016

HPAI outbreaks

- H5N1
- H5N2
- H5H9
- H5N2 and H5N9
- H5N1 and H5N9
- H5HP
- Restriction zone





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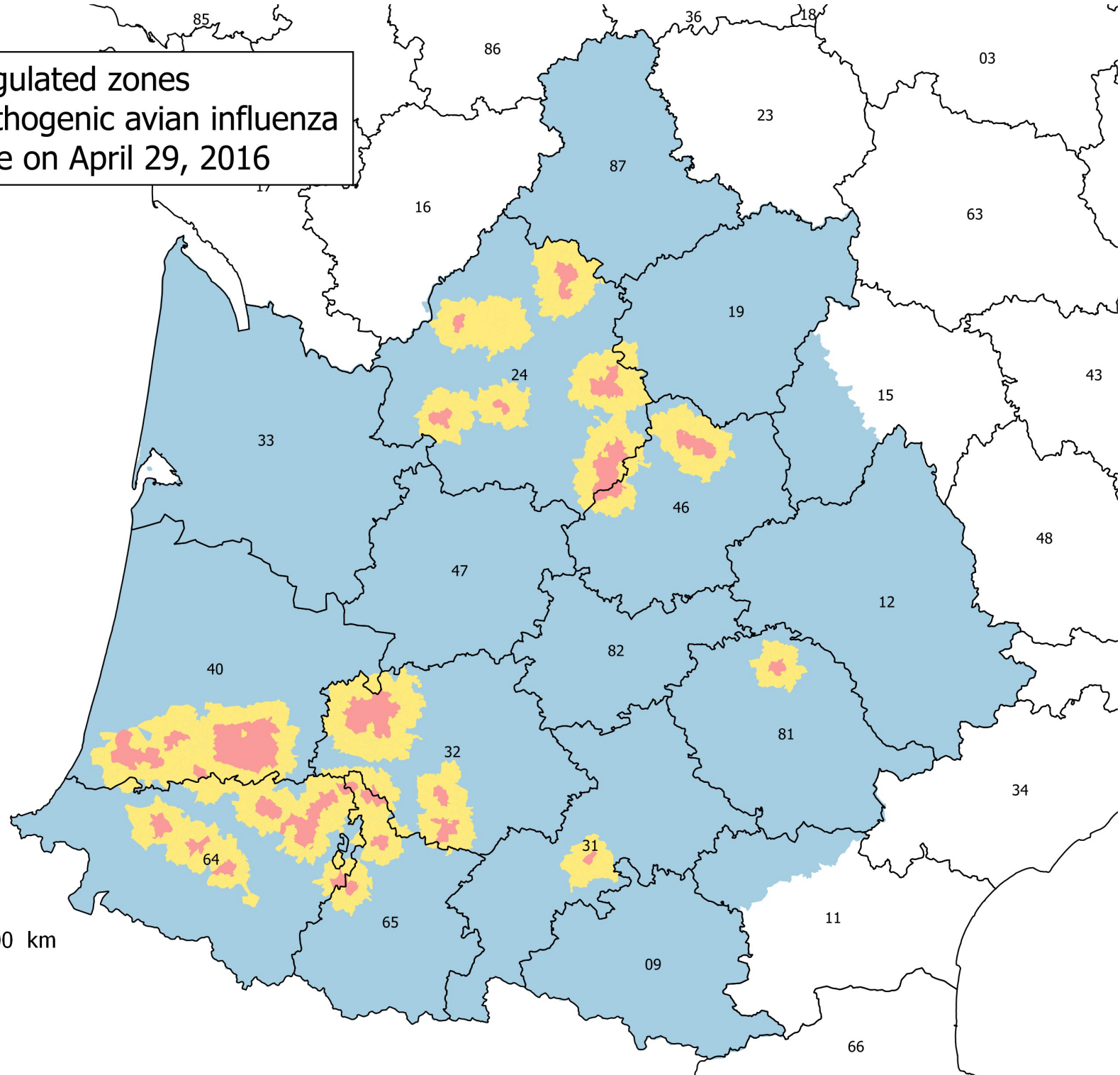
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Regulated zones of Highly pathogenic avian influenza in France on April 29, 2016

- Protection zone
- Surveillance zone
- Restriction zone



0 50 100 km





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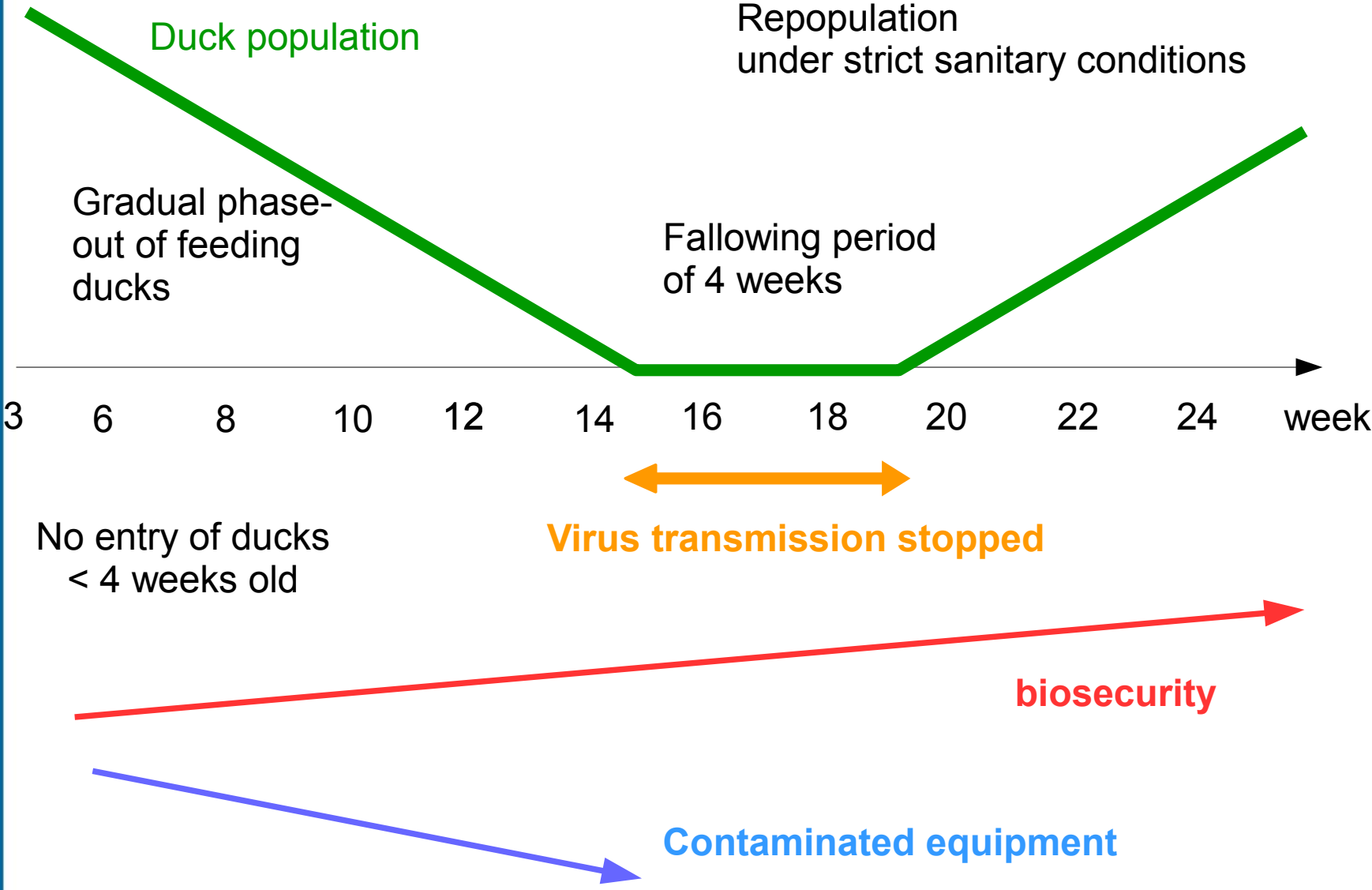
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General strategy

- Preserve the free zone and others MS
- Eradication strategy in the restricted zone
- Biosecurity to maintain the status



1. Global eradication strategy





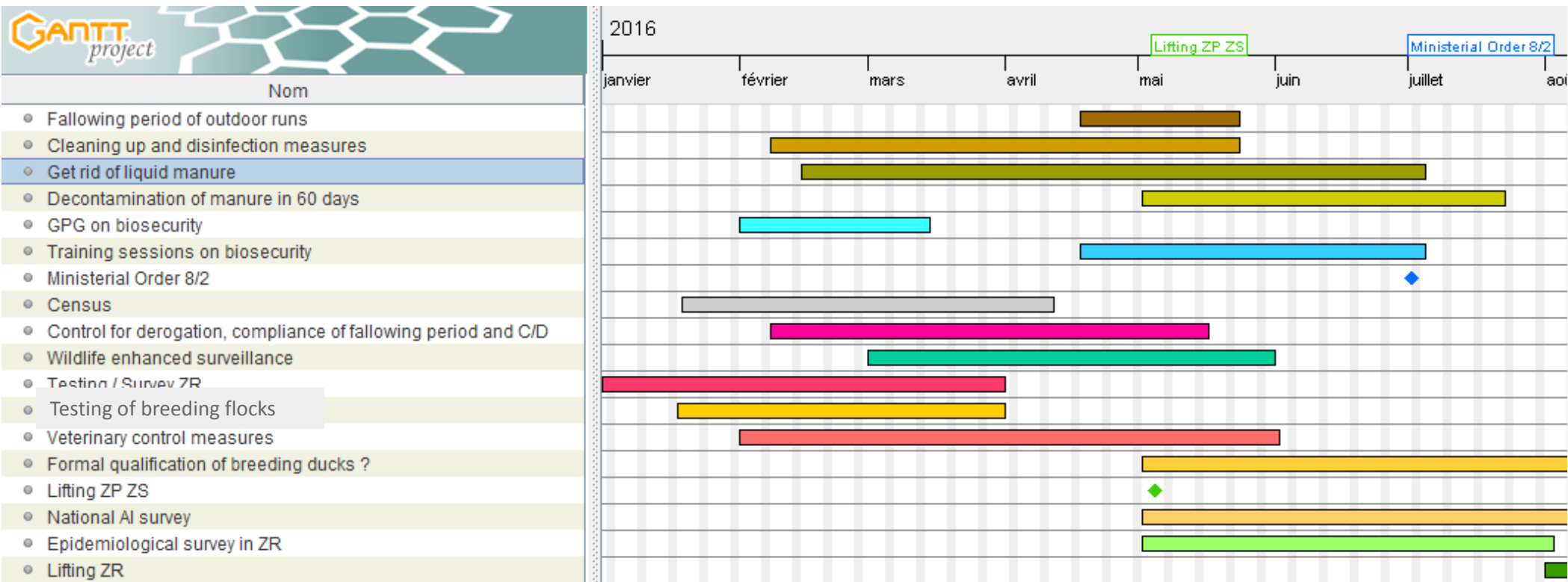
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1. Restocking and way back to normal

- Lifting of protection and surveillance zones beginning of May (except for most recent outbreaks)
- Introduction of day old birds authorised from the 16/05
 - Biosecurity conditions upon transport
 - Hatchery of origin needs authorisation based on sanitary control measures including special management if the hatchery is linked with breeder flocks with positive serological results
- Possibility to introduce palmipeds from forced feeding from the 04/07
- Lifting of restriction zone aimed in August
- Ministerial act on biosecurity in poultry in force from 01/07 in the whole territory



1. Measures implemented





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2. Surveillance results



2. Ongoing surveillance activities

- Clinical surveillance and investigation of outbreaks
- Active surveillance of breeders
 - in restriction zone : All flocks
 - In free zone : sample of galliforms and all palmipeds
- Active surveillance of free ranging (in RZ)
- Surveillance for lifting protection and surveillance zones, then restriction zone
- Delay in increased surveillance of wild bird → survey started mi April + new settings for national surveillance under validation



2. Breeding flocks

- Palmipedes (results updated on 25/04/16)

Zone	Inspection	Serological results (H5/H7)	Nb of production plants
Free area	No inspection (to be done)		75
	No inspection because of absence of animals		84
	Inspection done	negative	391
		on going	32
		positive (at the NRL)	5
Total		587	
Restriction zone	No inspection (to be done)		22
	No inspection because of absence of animals		10
	Inspection done	negative	120
		on going	25
		positive (at the NRL)	52
Total		229	

Implementation rate = 90%
Seropositive rate = 30 %

Implementation rate = 87%
Seropositive rate = 1,2 %





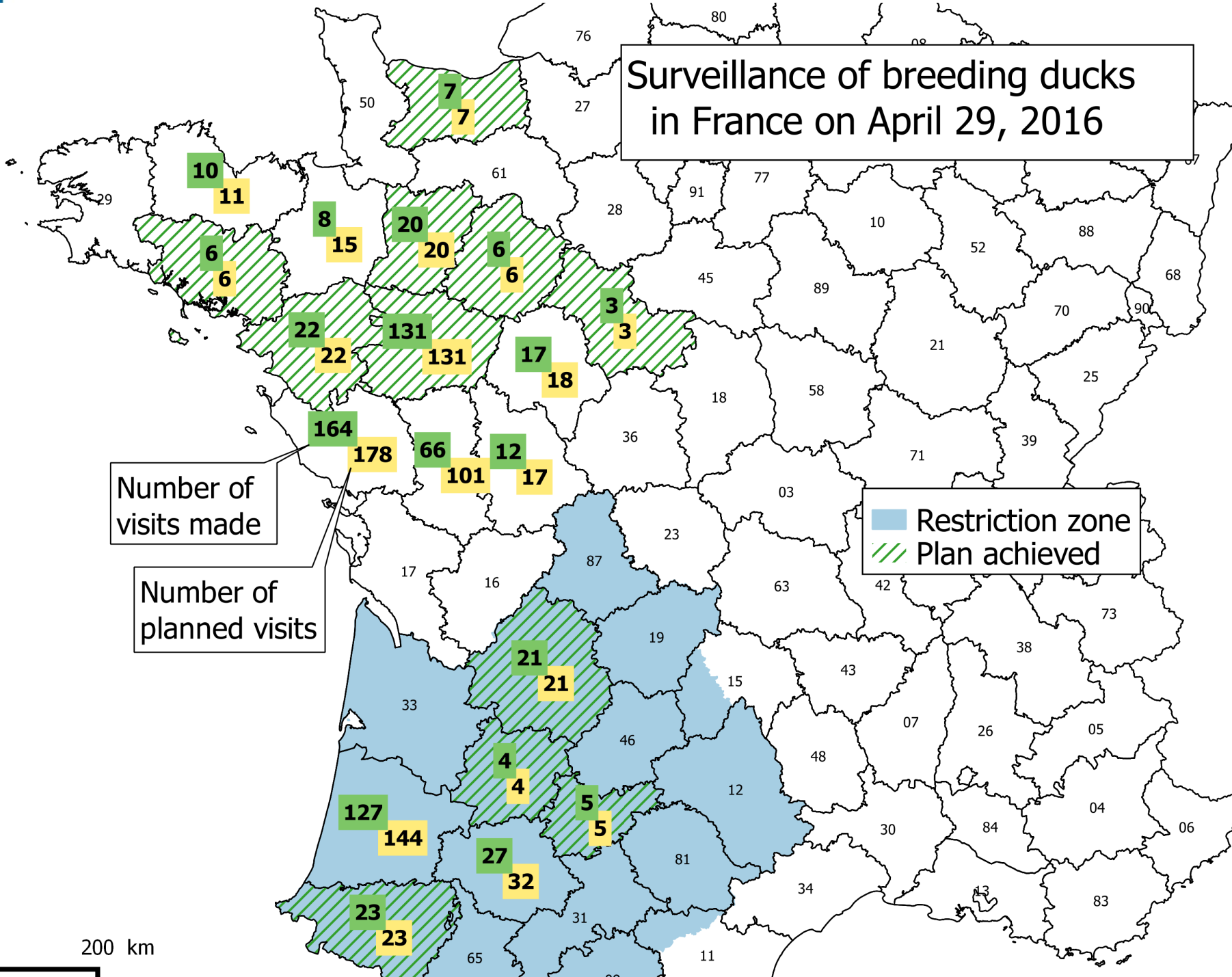
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Surveillance of breeding ducks in France on April 29, 2016

Number of
visits made

Number of
planned visits

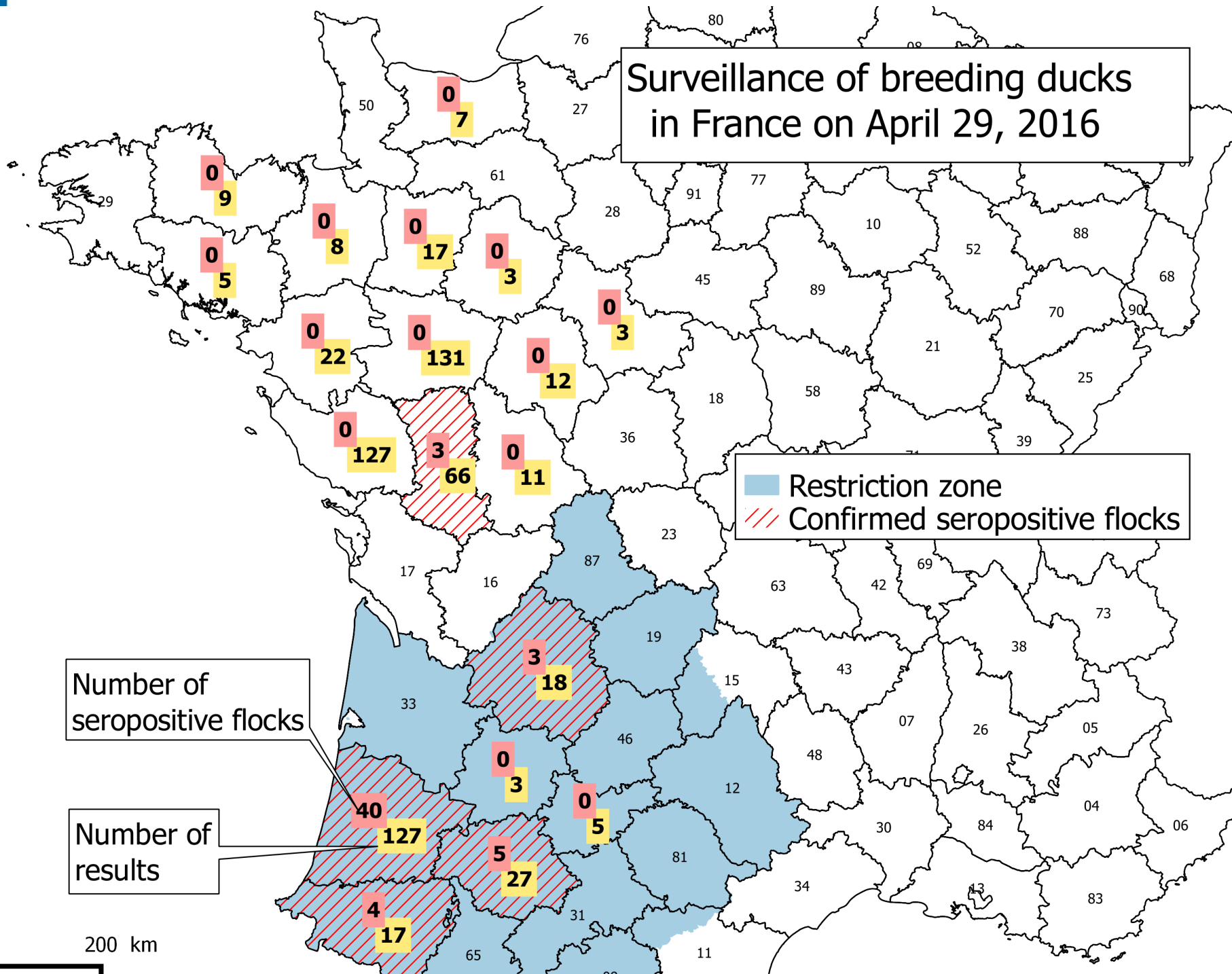
Restriction zone
Plan achieved





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Surveillance of breeding ducks in France on April 29, 2016



2. Breeding flocks

- Galliformes (results updated on 25/04/16)

Seropositive rate= 0 %

Zone	Inspection	Serological results (H5/H7)	Nb of production plants
Free area	No inspection (to be done)		95
	No inspection because of absence of animals		46
	Inspection done	negative	443
		on going	27
		positive (at the NRL)	0
	Total		611
Restriction zone	No inspection (to be done)		42
	No inspection because of absence of animals		13
	Inspection done	negative	66
		on going	3
		positive (at the NRL)	0
	Total		124

Implementation rate
= 84%

Implementation rate
= 66%





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2. Surveillance conducted in slaughterhouse

- Target : outdoor run Galliformes in alt-risk zone
(outbreaks, high density of palmipedes and poultry)
- Plan :
 - 149 farms sampled from 4 'départements'
 - Collected by 7 slaughterhouses located in 4 'départements'
- Results :
 - Achievement rate : 73 samples out of 149
 - **100 % negative serology** (61 lab results)



2. Lifting protection and surveillance zone

- Protection zone = inspection of every farm (clinical inspection for Galliformes)
- Surveillance zone = targeted prevalence 1 % (error risk = 1%)

	Gibier	Palmipédes	Galliformes	Total
Nb of inspections planned	2	26	924	952
Nb of inspections done	1	16	29	46



3. Restocking conditions (1)

- Ducklings from authorised hatcheries, by 16 May
- Ducks ready for *force feeding*, by 4 July :
 - in pens having undergone an empty period of 28 days
 - Virological tests at the farm of origin 7 days before leaving
- Young breeders
 - After cleaning, disinfection, empty period
 - Sero and viro tests in ducks already present in the farm
 - Hatchery of origin inspected by the Competent Authority
 - Sero and viro tests in farm of origin of eggs : <6 months before moving the young breeders and >21 days after entering the farm



3. Restocking conditions (2)

Conditions for hatchery autorisation

- Approval by the CA of a Common biosecurity management system including the biosecurity measures at the hatchery and at the breeder farms linked to it
- Regular surveillance of seropositive flocks (in AI free zone)
- Reinforced Sero and Viro surveillance of seropositive flocks and epidemiologically linked flocks (in AI restriction zone)
- Following a risk analysis, possibility to proceed to a preventive slaughtering of Seropositive flocks
- During the restocking period, increased controls of plamipeds introduced from other MS in restriction zone





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4. Current controls and inspections

- Inspection of absence of palmipeds
- Inspection of cleansing and disinfection of premises, visual control + bacteriological count
- Control of restriction of non commercial farms in proximity of commercial farms + awareness campaign through mayors
- Inspection of biosecurity measures in hatcheries and breeders for autorisation
- Inspection of farms for introduction of birds on 9/16
- Inspection of biosecurity for decoy birds and sampling according to risk
- Inspection of disinfection of transports



5. Coming surveillance activities

- Lifting restriction zone : sampling before the end of August, 2016
 - On Galliforms production plants (except those that were in protection / surveillance zones)
 - On Palmipeds accross the entire restriction zone
- Revision of the annual serological survey to better take into account the risk of Palmipeds and increase the target prevalence



6. Biosecurity measures

- Set of recommendations to every kind of production → technical leaflets under construction (priority to palmipeds) → Good Practices Guidelines
- Training of farmers :
 - 1. General session on AI and general biosecurity
 - 2. Delivrance of leaflets and on farm discussion
- Control measures to start for palmipeds end of 2016
- Training of veterinarians for awareness about surveillance and strategy
- Training of veterinary services on control of cleaning and disinfection





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