

Highly Pathogenic Avian Influenza

France

1 - 2 June 2016





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Highly Pathogenic Avian Influenza

- Updated situation
- Strategy and agenda
- Surveillance results
- Biosecurity



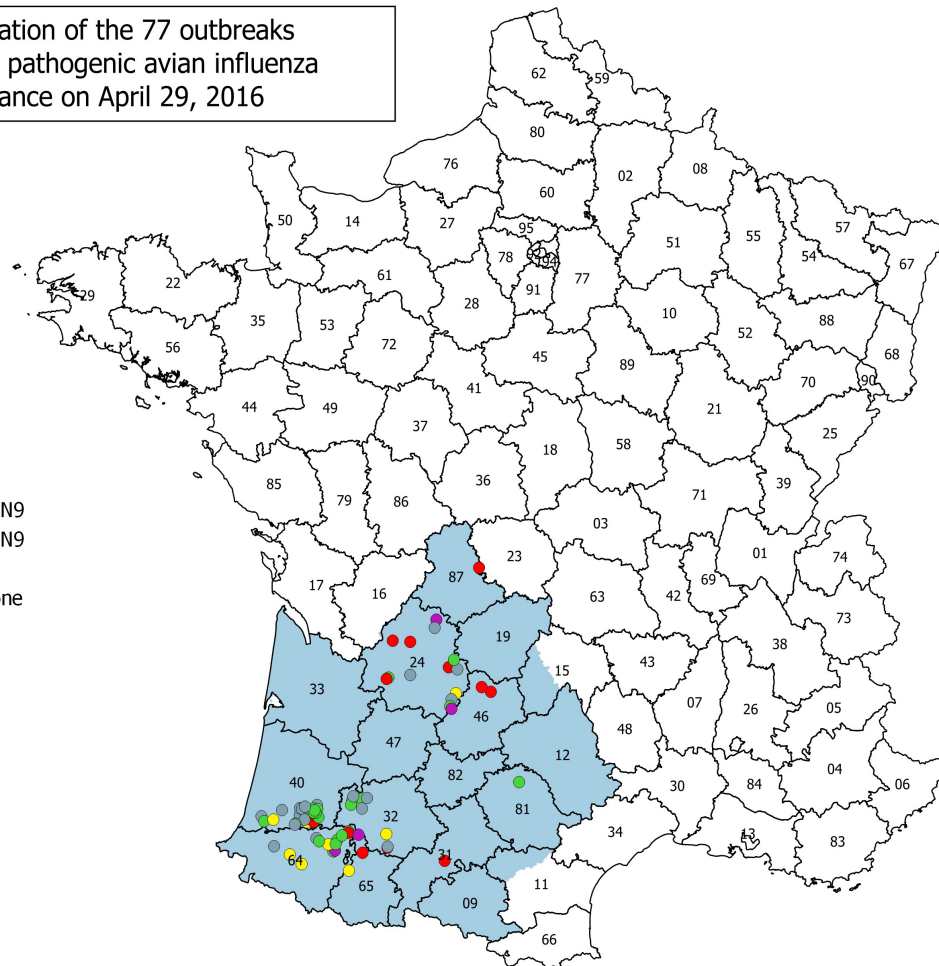
Outbreaks

Last outbreak = 18 April 2016 in department 81



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



Total depopulation

- 233 000 ducks
- 81 000 gallus
- 5 000 geoses
- 24 000 guinea fowl

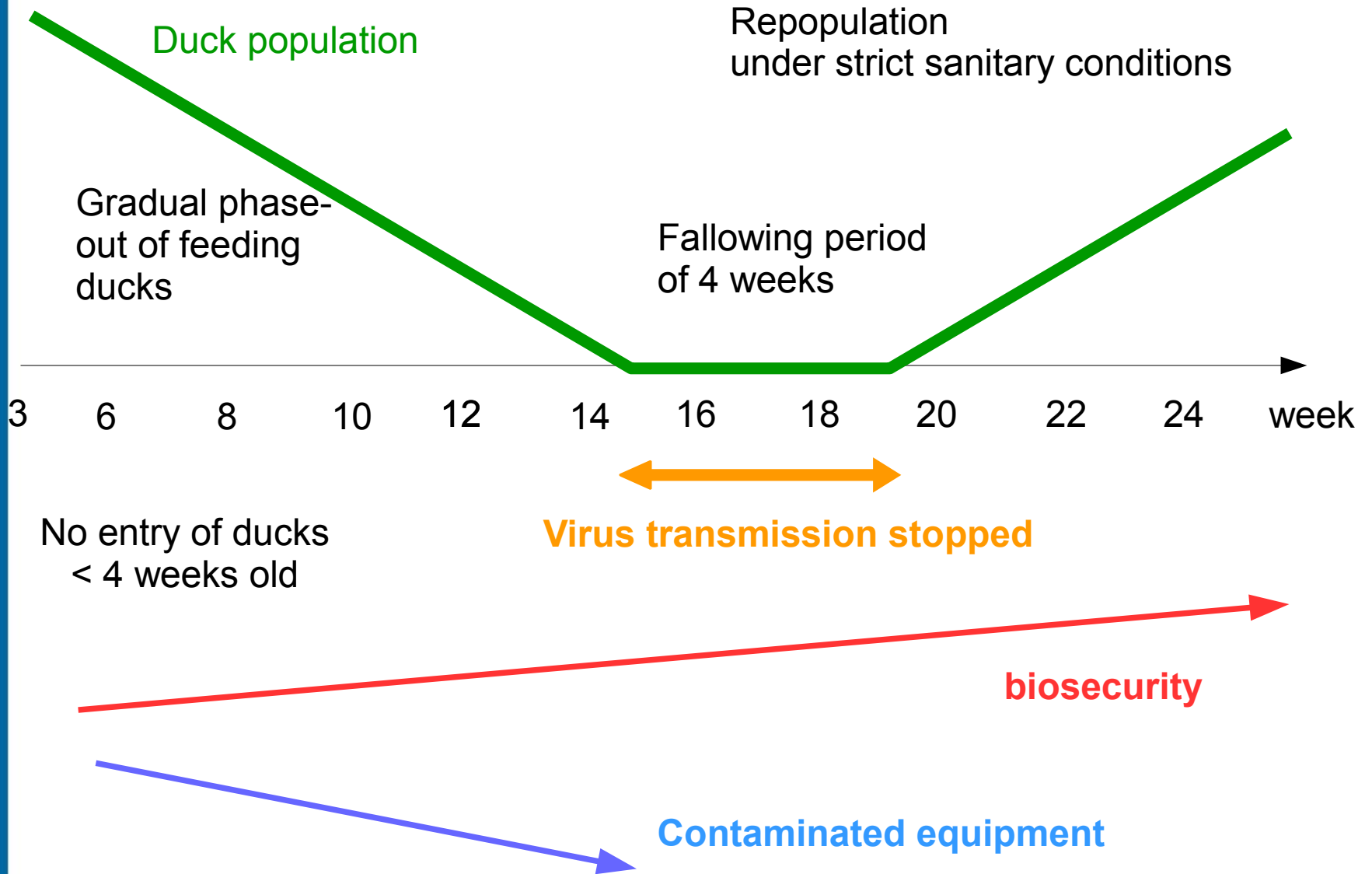
TOTAL : 343 000



1. Global eradication strategy



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Surveillance results

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1. Breeding flocks

- Palmipedes (results updated on 17/05/16)

Zone	Inspection	Serological results (H5/H7)	Nb of production plants
Free area	No inspection (to be done)		2
	No inspection because of absence of animals		156
	Inspection done	negative	413
		on going	5
		positive (at the NRL)	19
Total		595	
Restriction zone	No inspection (to be done)		18
	No inspection because of absence of animals		9
	Inspection done	negative	125
		on going	15
		positive (at the NRL)	68
Total		235	

Implementation rate
= 99%
Seropositive rate
= **4,4 %**

Implementation rate
= 92%
Seropositive rate
= **35 %**



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1. Breeding flocks

- Galliformes (results updated on 17/05/16)

Seropositive rate= 0 %

Zone	Inspection	Serological results (H5/H7)	Nb of production plants
Free area	No inspection (to be done)		8
	No inspection because of absence of animals		83
	Inspection done	negative	600
		on going	9
		positive (at the NRL)	0
Total		700	
Restriction zone	No inspection (to be done)		22
	No inspection because of absence of animals		14
	Inspection done	negative	86
		on going	5
		positive (at the NRL)	0
Total		127	

Implementation rate
= 99%

Implementation rate
= 81%





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2. Surveillance conducted in slaughterhouse

- Target : outdoor run Galliformes in at-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 : 111 samples out of 149
 - **100 % negative serology** (84 lab results)



3. Lifting protection and surveillance zone

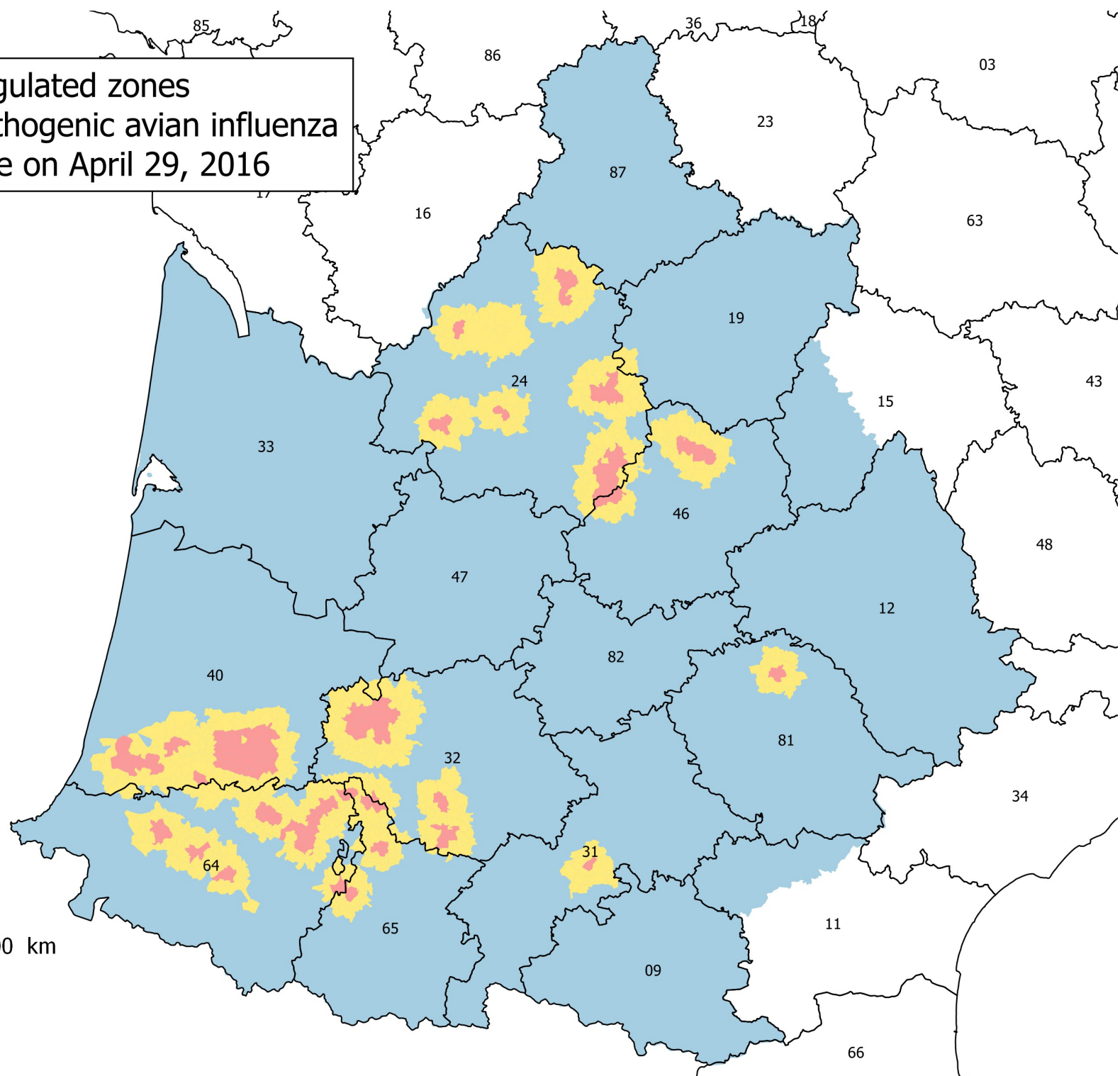
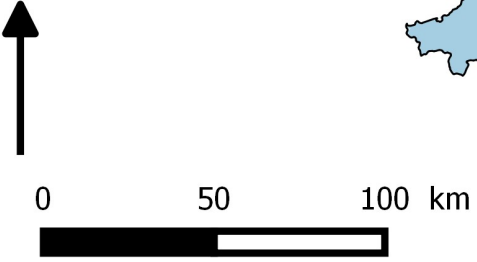
- Protection zone = inspection of every farm (clinical inspection for Galliformes)
- Surveillance zone = targeted prevalence 1 % (error risk =1%)

Département	Nb of inspections in PZ		Nb of inspections in SZ	
	Achieved	Total	Achieved	total
24	33	33	64	64
31	2	2	4	4
32	86	44	383	90
40	288	306	142	150
46	14	14	10	10
64	91	89	83	71
65	12	12	15	15
81	0	0	0	25



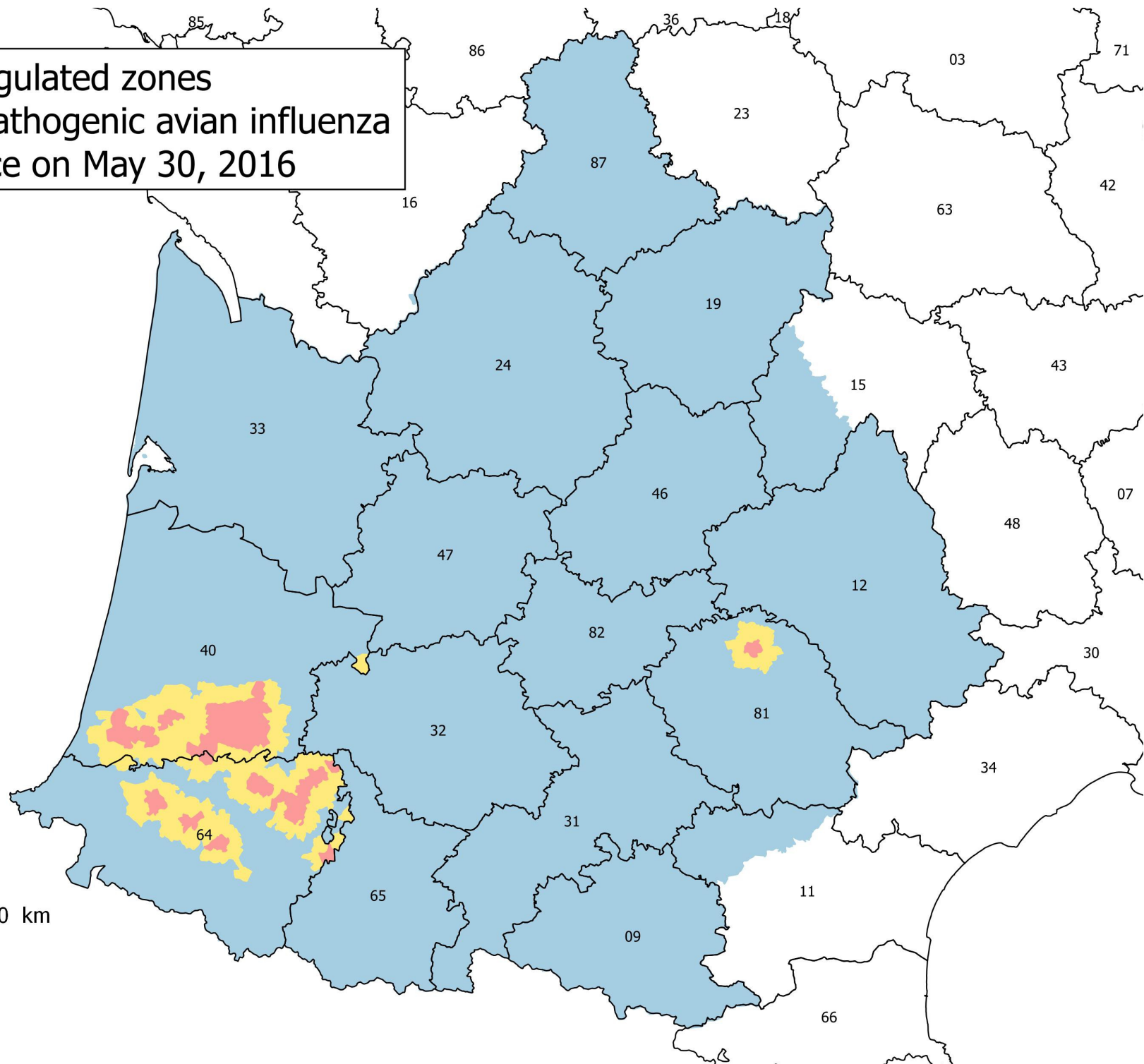
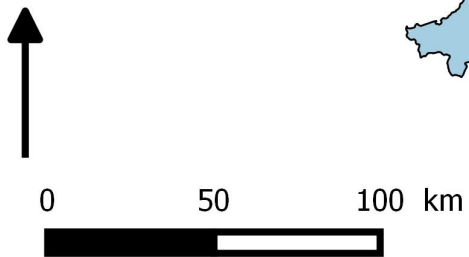
Regulated zones of Highly pathogenic avian influenza in France on April 29, 2016

- Protection zone
- Surveillance zone
- Restriction zone



Regulated zones of Highly pathogenic avian influenza in France on May 30, 2016

- Protection zone
- Surveillance zone
- Restriction zone





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Regulated zones of highly pathogenic avian influenza in France on June 1st, 2016

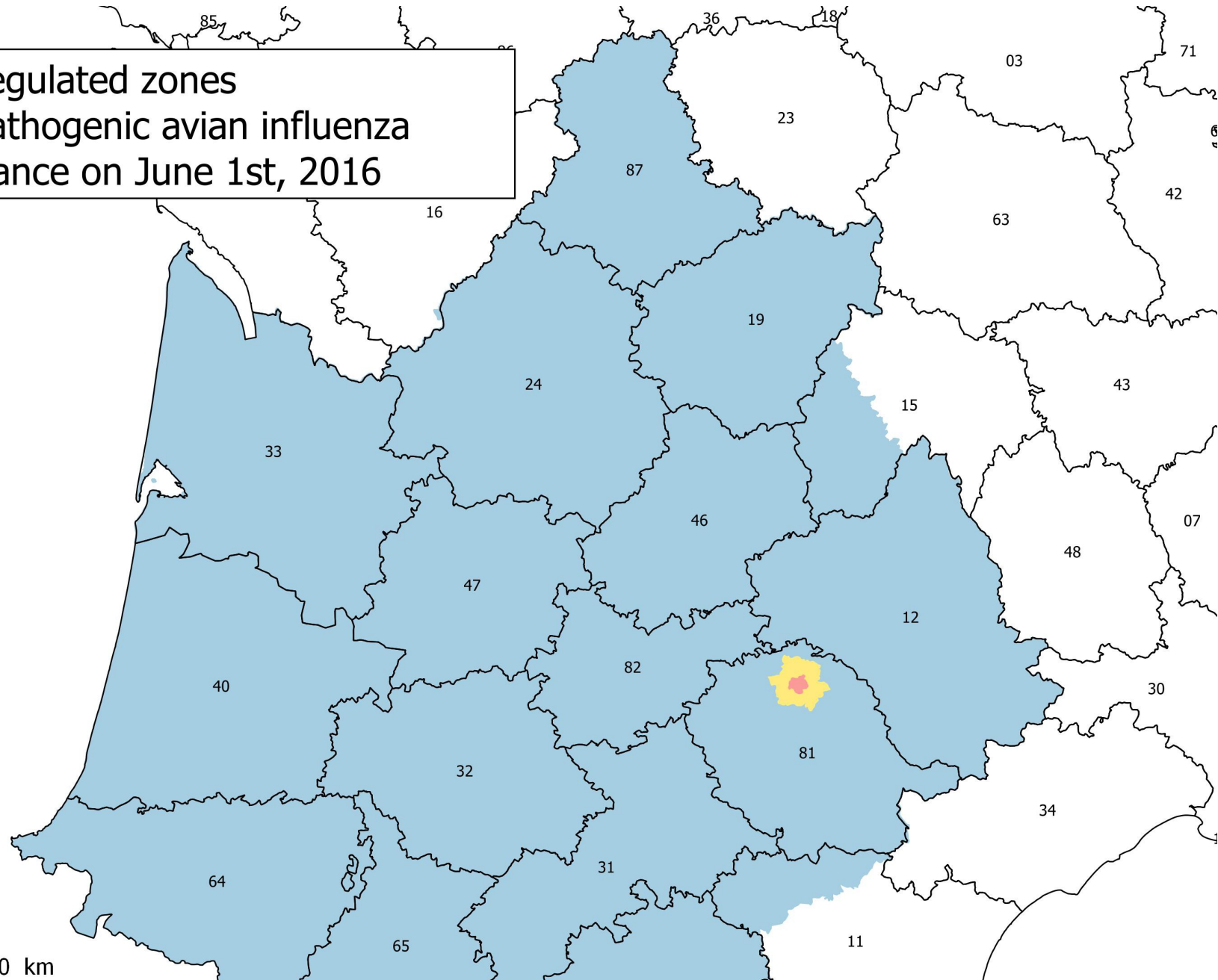
-  Protection zone
-  Surveillance zone
-  Restriction zone



0

50

100 km



4. Lifting restriction zone

- Lifting restriction zone : sampling before the end of August, 2016
 - On Galliforms production plants (except those that were in protection / surveillance zones)
425 flocks to be tested, targeted in *communes* where Palmipeds farms are registered
 - On Palmipeds accross the entire restriction zone :
420 flocks to be tested in hatchery + starting units
425 flocks to be tested in forced feeding flocks





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Technical cards

- The Aviculture Technical Institute (ITAVI) produced technical cards in order to assist poultry farmers in the implementation of biosecurity measures at farm level
- Main subjects dealt with:
 - how to define a production unit,
 - how to work according to the single batch concept,
 - how to prevent the introduction and spread of AI in the farm.
- DGAI funded the work and revised and validated the technical cards, before their on-line publication and diffusion : <http://www.itavi.asso.fr/content/fiches-pedagogiques-influenza-aviaire>



Training of farmers

- The National Society of the veterinary technical associations (SNGTV) organised a series of Training of Trainers (ToT) on biosecurity measures at poultry farm (about 150 participants)
- Participants were veterinarians or technicians from the agricultural chambers or from the production chain
- Poultry farmers (priority to the restricted zone), benefited from free « one-day trainings » funded by a training insurance fund (Vivea) (6.000 trained to date) ; most of the trainers came from ToT
- DGAI funded SNGTV work and revised the technical content of the ToT.
- The technicians will carry out follow-up visits in the duck farms to assist farmers in designing and implementing their biosecurity plan.



Transporters

- Being a major risk factor in the spreading of AI virus among holdings, transporters were involved in the restructuring of the poultry production system
- Coordinated by CIFOG (Comité Interprofessionnel des Palmipèdes à Foie Gras), the main stakeholders produced a Guide of Good Hygiene Practices in transport (actually under DGAI revision before validation)
- Training of Trainers was delivered by SNGTV
- Training of transporters is on-going



Inspections

- During the compulsory following period in the restriction zone, veterinary services carried out farm inspections to check the absence of palmipeds and the effective cleaning and disinfection of the buildings
- The inspection included :
 - a visual check to verify the cleaning procedures
 - a sampling with petri boxes using streptococci feci as indicators of effective disinfection



Control of movements

- *Since the beginning of the event and despite provisions of the EC 2015/2640 : NO* movements of Palmipeds were allowed outside the Restriction Zone (national and EU level)
- *Situation has changed*
 - Depopulation / Repopulation with tested animals within the Restriction Zone
 - Lift of Protection and Surveillance Zones
- *Application of EC 2015/2640 provisions for all species (including Palmipeds)*
 - Approval of MS if EU TRADE





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