

Avian Influenza

France - 18 August 2016



Number of outbreaks

Between november 24th 2015 and April 28th
77 HPAI outbreaks and 16 LPAI were
detected.

On 17th August : 81 HPAI outbreaks were
detected (last confirmed HPAI on 03 August)
and 19 LPAI outbreaks (last confirmed LPAI
on 10 August)





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HPAI outbreaks : ways of detection

	Galliformes	Mixed (Galliformes + Palmipeds)	Palmipeds	Total
Sampling before movements		3	33	36
Annual serological survey in 2015			3	3
Clinical surveillance	5	10	15	30
Lifting the restriction zone			1	1
Epidemiological investigations			5	5
Restocking in a previous outbreak			3	3
Active surveillance on breeding flocks			3	3
Total	5	13	63	81



Clinical surveillance

Production	H5N1 confirmed	H5N1 Disconfirmed	Total
Gallinaceans	5	28	33
Palmipeds	15	7	22
Gallinaceans and palmipeds	6	2	8
Poultry-yard	4	41	45
Total	30	78	108



Clinical suspicions of IA on 12 August 2016



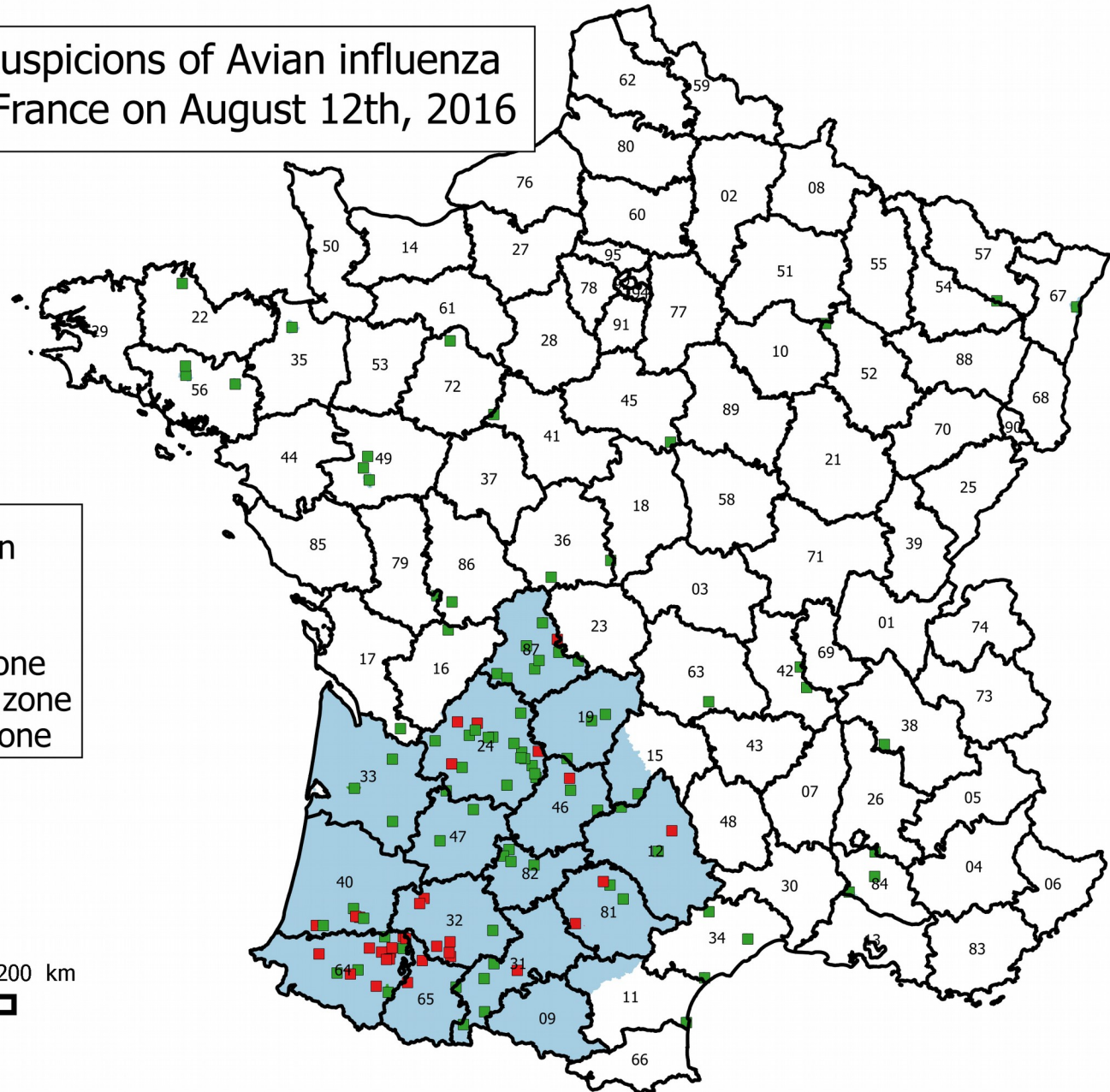
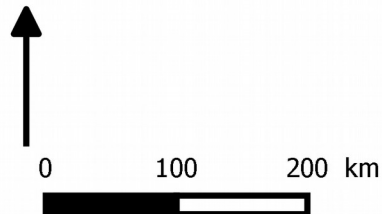
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Clinical suspicions of Avian influenza
in France on August 12th, 2016

- Clinical suspicion
- confirmed
 - refuted
 - Protection zone
 - Surveillance zone
 - Restriction zone



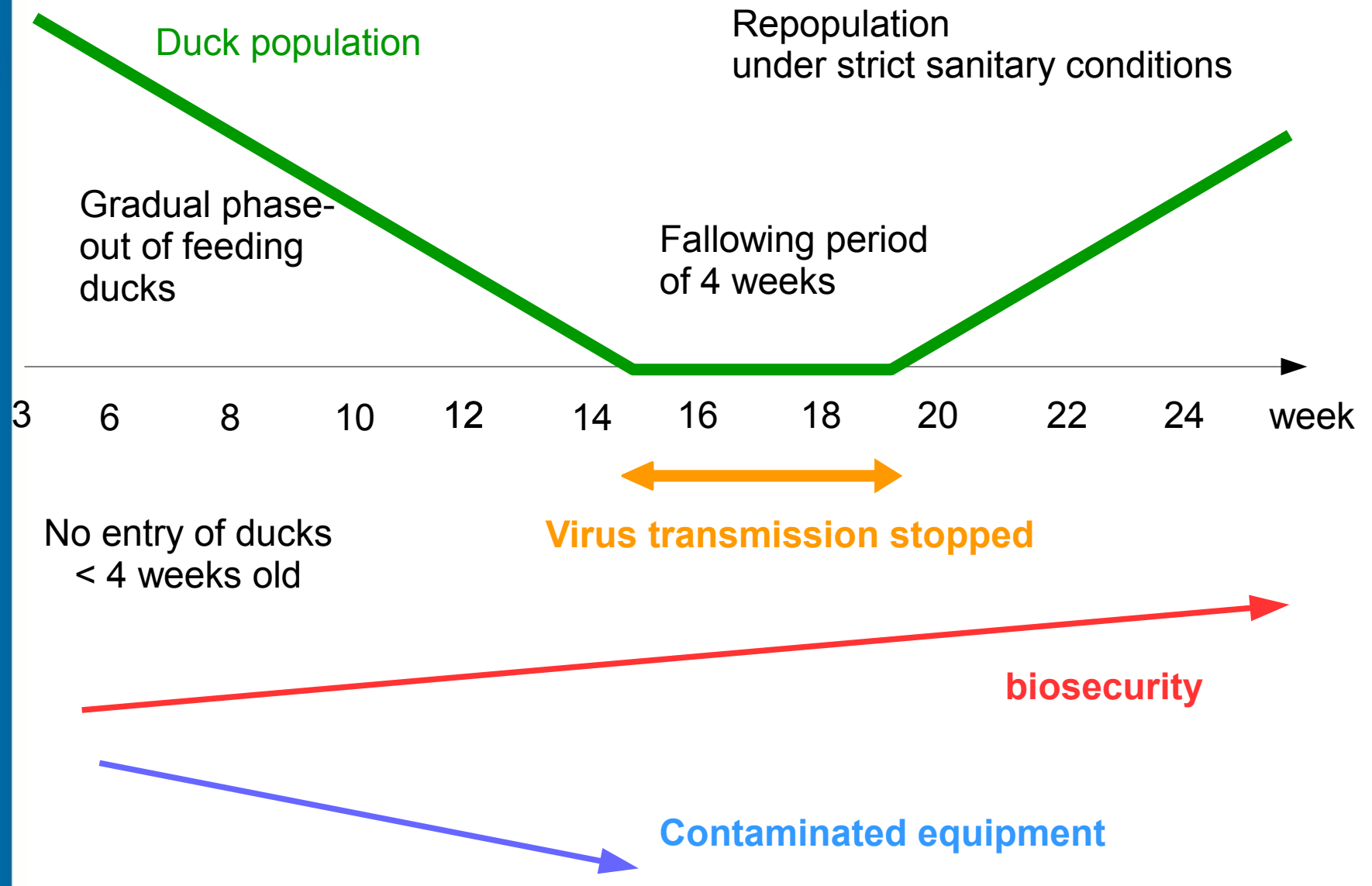
Completed programmed surveillance

Population	Results in RZ		Results in ZI	
	Palmipeds	Galliformes	Palmipeds	Galliformes
Breeding flocks	35,9 % sero+ (=71/198)	0 % sero+ (=0/86)	4,4 % sero+ (=19/435)	0 % sero+ (=0/606)
Outdoor run galliformes at slaughterhouse	-	0 % sero+ (0/126)	-	-
Lifting protection and surveillance zones < 23rd June	-	0 % with clinical signs (0/1550)	-	-

**In seropositive breeding flocks :
Stamping out or close monitoring (serological and virological analysis at 15 day intervals)**



Global eradication strategy





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Results of inspections in palmiped farms prior to restocking

- Safe disposal of manure inspected in 1113 farms and correct in 92,2 % farms
- Safe cleaning of premises inspected in 1102 farms and correct for 70 % of farms the first visit and correct for 95 % of the farms at the second visit
- Proper disinfection of premises inspected in 1055 farms (with bacteriological test) and correct for 63% of farms the first visit and correct for 87% of farms at the second visit





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Restocking in restriction zone (non infected farms)

- Inspection to verify farms actually empty before 16/5, n=1206 → 98,7 % farms were empty
- Restocking started from 09/5 with exemptions to start restock with day-old-palmipeds (24 accepted out of 55 requests)
- Slow restocking but enforcement of regulatory notification of stocking birds only active from 1/7
- Origin of birds = breeders and hatcheries authorised by LCA based on biosecurity practices (from breeder's farm to transport of day-old-bird) and surveillance results





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Restocking in restriction zone (non infected farms)

- The day old palmipeds grew up 2-3 weeks in the canetonieres
- And to 15/18 weeks before fattening (mid August)
- Restocking of fattening ducks/geese originating from free zone can resume from 4th July provided
 - Biosecurity measures on transport
 - Inspection of destination farm
 - Sampling 7days before departure
 - Sampling before slaughtering
- The surveillance programme to release the zone will address the sanitary status of flocks at the different stages of production





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Restocking in restriction zone (in infected farms)

- Restocking was not possible before 21 days before the first cleaning and disinfection following stamping out and was forbidden in the presence of manure not inactivated on the premises
- Restocking was forbidden before 16/5 (only 2 farms restocked in march without authorisation, one has been found positive on control 21 days after)
- Former infected farms will be tested 21 days after restocking or 5 days before slaughtering in case of fattening birds
- + animals tested prior to their introduction in the former infected farm

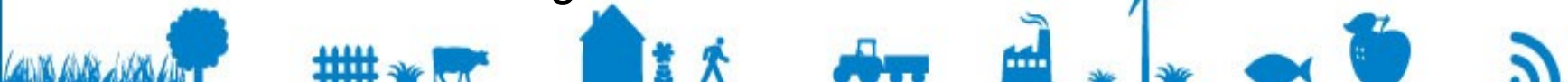


Recent outbreaks (since 15th of July)

HPAI outbreaks

Dp tmt	Production	Origin of suspicion	Number	Date of suspicion	Virus
24	Galliformes	Clinical surveillance	4400	15/07/16	H5 N1
24	Palmipeds	Epidemiological investigation	24000	20/07/16	H5 N1
12	Palmipeds	Active surveillance (lifting RZ)	1875	11/07/16	H5 N undefined
12	Palmipeds	Epidemiological investigation	11000	03/08/16	H5 N undefined

- The first results of epidemiological investigation couldn't help to identify the origin of the contamination (BS measures are implemented in the farms) but on going
 - Urgent advice asked to Anses





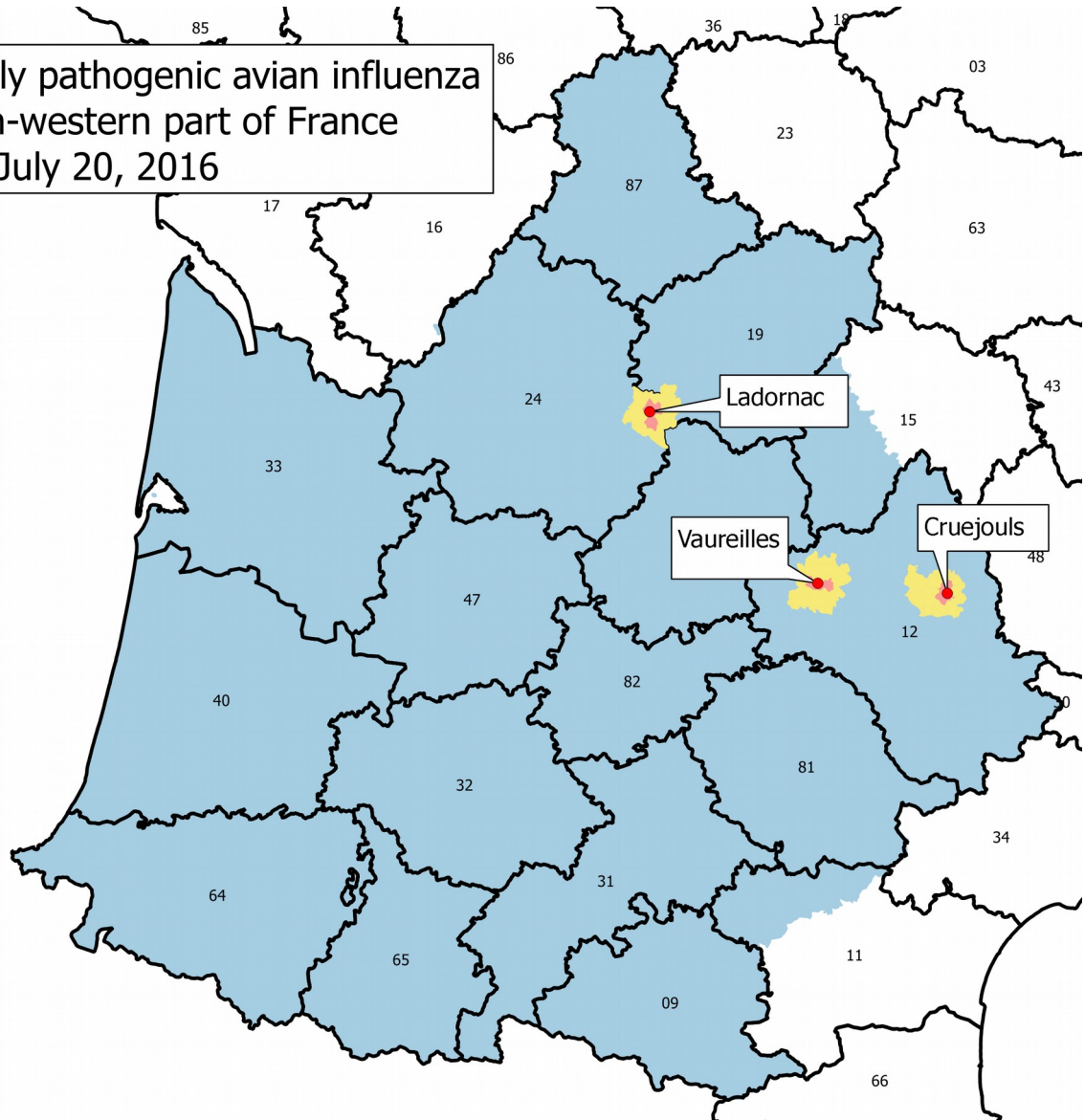
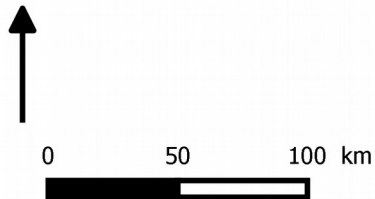
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The new zoning around the 4 recent IAHP outbreaks

Situation of Highly pathogenic avian influenza
in the South-western part of France
on July 20, 2016

- Protection zone
- Surveillance zone
- Restriction zone



Recent outbreaks (since 15th of July)

LPAI outbreaks

Dpt mt	Production	Origin of suspicion	Number	Date of suspicion	Virus
81	Palmipeds	Sampling before movements	170	15/07/16	H5
32	Palmipeds	Sampling before restocking in a previous outbreak	6000	20/07/16	H5
64	Palmipeds	Active surveillance (lifting RZ)	5000	11/07/16	H5N3



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

Realisation rate = 36 %, favorable results

- On Palmipeds accross the entire restriction zone :

420 flocks to be tested in hatchery + starting units

Realisation rate = 60 %, 2 outbreaks of HPAI

360 flocks to be tested in forced feeding flocks at slaughterhouse

Realisation rate = 23 %, favorable results



Annual serological survey

- Revision of the annual serological survey to better take into account the risk of Palmipeds and increase the target prevalence
- Better sensitivity + three risk factors :
 - Wet areas
 - High density area of Palmipeds production
 - Farms keeping Palmipeds flocks

> A surveillance will be implemented in the south west of France during the 2nd semester, 2016, targeting forced feeding ducks at slaughterhouse (n=65)



Conclusion

- The recent HPAI outbreaks are sporadic outbreaks: they will not impact the lifting of the RZ (but will impact the recovery of free status according to OIE guidelines)
- Surveillance to leave the RZ : end in September
- Need to maintain a close surveillance after lifting the RZ on Palmipeds flocks (breeding + production flocks)

