

MINISTÈRE DE L'AGRICULTURE DE L'AGROALIMENTAIRE ET DE LA FORET

SCOFCAH

Avian influenza

17th January 2017

















Framework

- Epidemiological situation
 - National situation
 - Surveillance in wild birds
 - Information about the virus
- Control measures
 - Modification of risk in wild birds
 - Management of outbreaks
 - Complementary measures









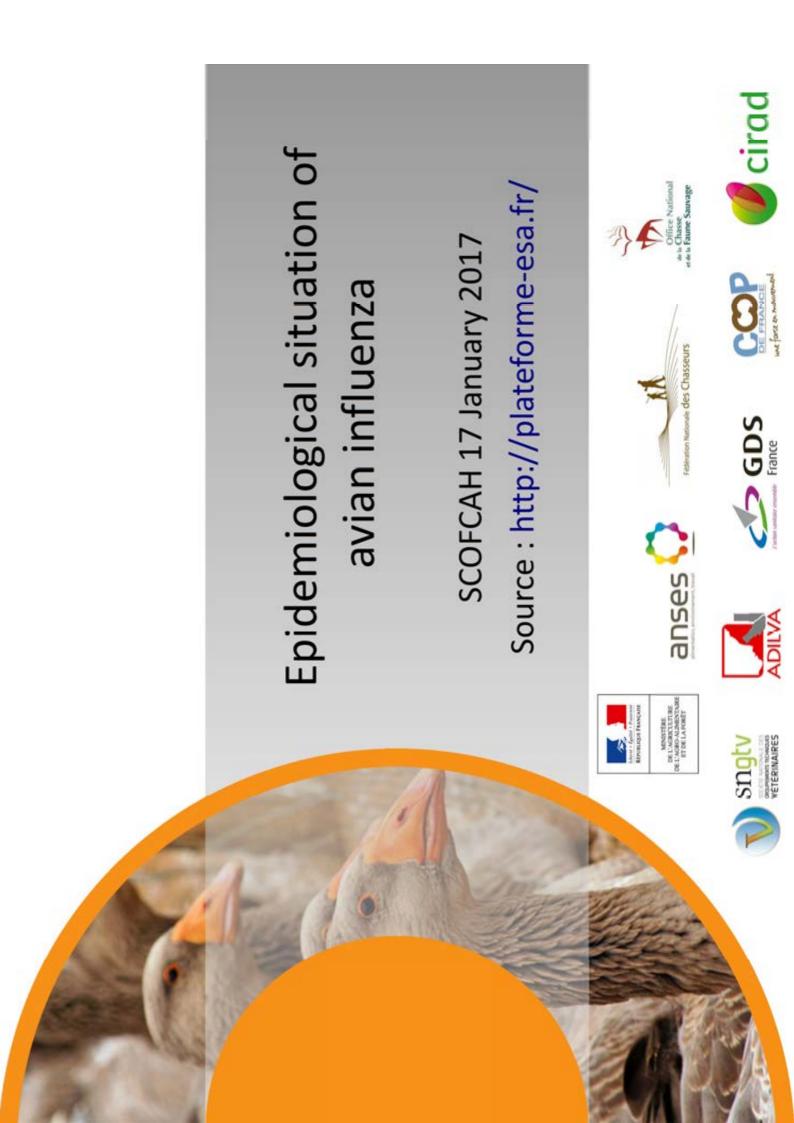












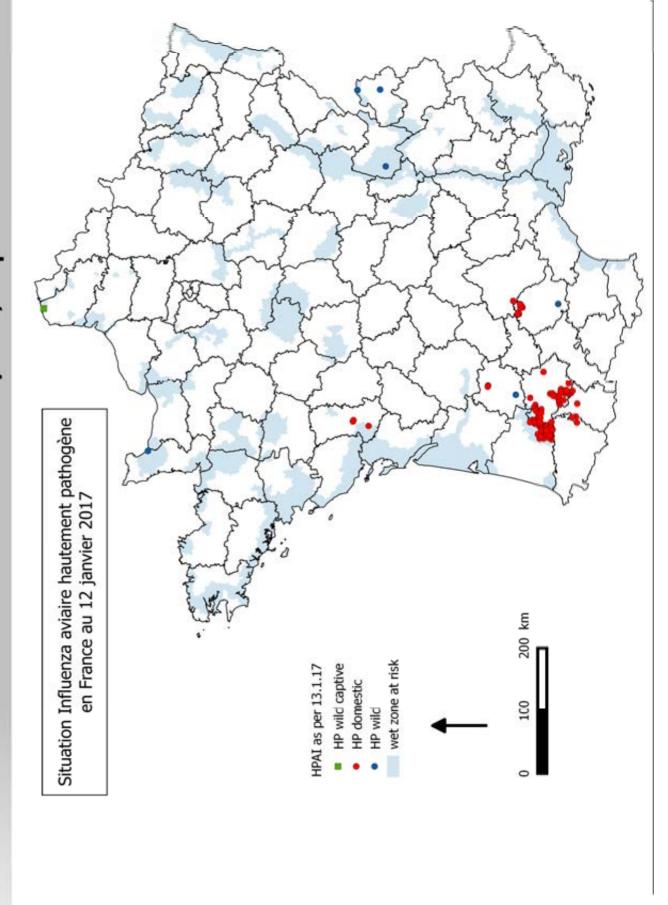
Situation in France 13/01, 8 pm

Patho.	Subtype	Domestic poultry				Captive	Wild birds	200
		Galli.	Multi- spieces.	Palm.	Total	birds	bird	15
HP	H5Nx	1	2	16	19			
	H5N8	9	10	91	110		1	7
FP	H5Nx			5	5			
	H5N1	1	1	9	11			
	H5N3			1	1			
	H5N8			1	1			
	H5N9			5	5			

Majority of breeding of palmipeds affected by HPAI but also of galliformes

23 outbreaks of IAFP, all except 2 in breeding of palmipeds

Situation in France 13/01, 8pm



Situation in France 13/01, 8 pm

HPAI HN8 outbreaks in domestic breedings

	Galli.	Multi- species	Palmi.	Total
Clinical surveillance	8	9	63	80
epidemiological investigations			15	15
Pre-movement sampling		1	5	6
active surveillance in the protection zones	1		4	5
Sampling during pre-emptive culling			3	3
NR			1	1
Total Résultat	9	10	91	110

17/19 outbreaks with galliforms and about 2/3 outbreaks with palmipeds detected by clinical



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Origins of the outbreaks

origins of the outbeak amont the 28 farms identified as epidemiological linked to a previous outbreak

	FP	HP (H5N8 and H5Nx)	Total
animals		7	7
humans		1	1
Closeness to a previous outbreak		2	2
vehicules	7	6	14
NR	1	3	4
Total	8	19	28



Other high probability origins: wildbirds (n=6), airborn transmission (n=1)

1:26/11 25/75 duck and 12/12 2 and 3:2 decoys 2 gulls 11/01, swan Clinical surveillance among wild birds ducks 12/01 4 turtledoves 5:11/12 2 whistling ducks 6: 22/12 birds for Al test Collected birds 3 magpie 4:13/12 10th January Positive birds 336 collected

Active surveillance among wild birds



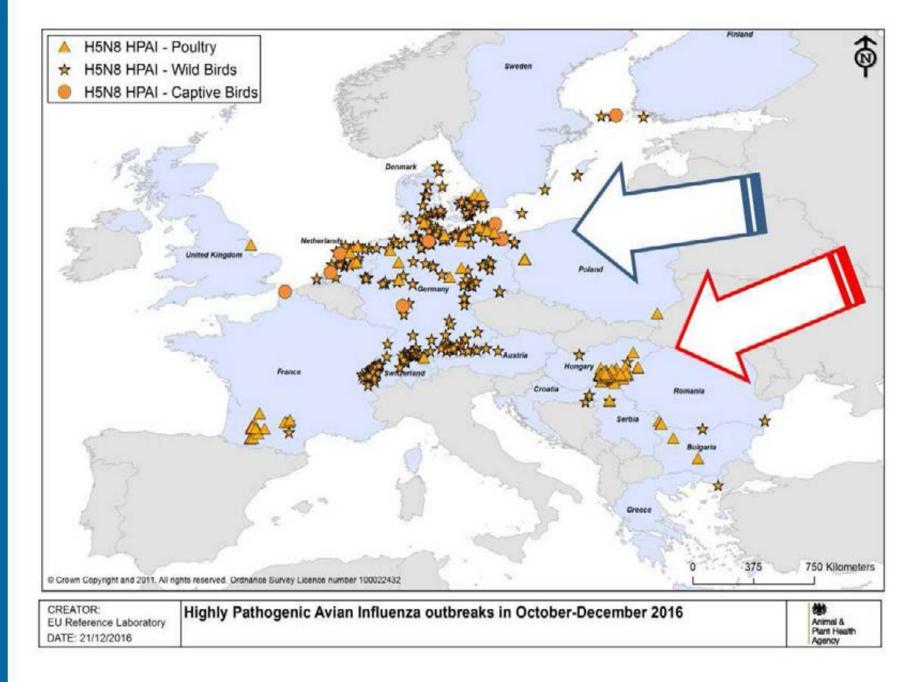
> 165 000 alive birds

1 dead : => labo (27th dec)

8 SAGIR (01 et 74): -



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Arrows indicate potential migratory routes from the east









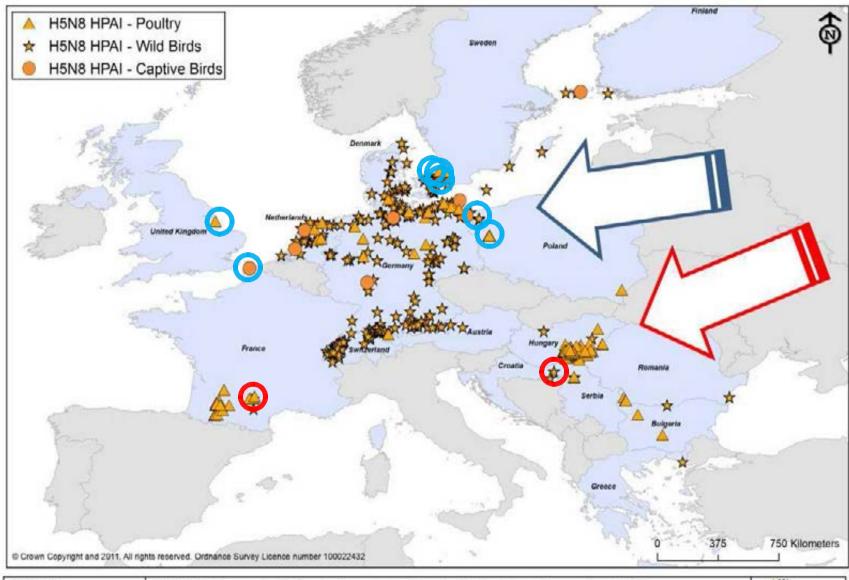






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Comparison of the 2 complete genomes of French HP H5N8 with those currently available



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CREATOR: EU Reference Laboratory DATE: 21/12/2016

Highly Pathogenic Avian Influenza outbreaks in October-December 2016



















MINISTÈRE DE L'AGRICULTURE DE L'AGROALIMENTAIRE ET DE LA FORET Based on the genetic analysis of the first 2 HP H5N8 viruses identified in France:

At least 2 different introductions on the French territory of HP H5N8 virus

- → The analysis of the partial sequences of the H5 and N8 genes, obtained during the emergency molecular diagnosis, does not make it possible to determine whether a virus belongs to one of the two groups, differentiated according to the migratory route of introduction.
- Only the sequencing of the complete genomes of the viruses can indicate us belonging to one of the 2 genotypes.
- The complete sequencing of the cases identified in the dpts 74, 50, 79 + Some complementary cases in the South-West will be carried out after prior isolation of viruses in ovoculture.





















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Control measures

- Increasing risk level
- Management of outbreaks in the protection zone and the surveillance zone
- Complementary measures
 - Zone 40/32/65
 - Risks of extension
 - Back to normal and prevention





















Modification of the risk level

- After the declaration of several HPAI H5N8 outbreaks in Europe ⇒ Increase in the level of risk in France to "high" in the priority risk areas and "moderate" in the rest of the territory (Ministerial Act of 16/11/2016)
- Since the declaration in France of the 1st outbreak in captive wild birds on 24/11/2016 (appellants mallard in Pas-de-Calais) ⇒
 - increase in the level of risk to "high" throughout the territory of metropolitan France (Ministerial Act of 05/12/2016)

Consequences:

- -containment of backyard poultry
- -strengthening biosecurity measures in commercial farms
- -restriction in releasing game and appellants
- -prohibition of releasing pigeons and the gatherings of birds





















Management of outbreaks

- Adoption of national measures Ministerial Act of 18/1/2008 in application of the Directive 2005/94
 - Adoption of the Protection Zone (PZ, 3 km) and the Surveillance zone (SZ, 10km) by european decision
 - Adoption Temporary Controlled Zone (TCZ, 5 to 10km) in case of suspicion, outbreak in wild birds...
- Conditions of the zone management: NS DGAL SDSPA/MUS/2016-1019
- Slaughter of outbreaks, Preventive slaughter of strong suspicions

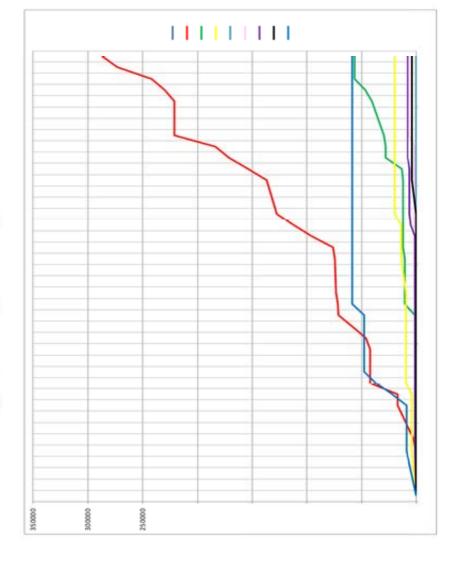




Slaughter data

About 700 000 slaughtered poultries since the start of HP outbreaks

Slaughters per departments





-



Slaughter data

Slaughter deadline: about 0,94 day [-7 to 8 days]

Average size of breedings:

DD 2000 ax [15 to 8800] / GT 7500 ax [854 to 25245]

Repartition of slaughters between GT Logistic (a private firm)/vet services





Complementary strategy to control de propagation

preventive slaughters to reduce the density of sensitive species

- Slow down the speed of propagation in areas where there is an active circulation
- Prevent extension to areas of higher density and risk

Prioritization Strategy

- Identify zones and species/priority categories
- Re-evaluate the plan gradually until the epizootic is stabilized













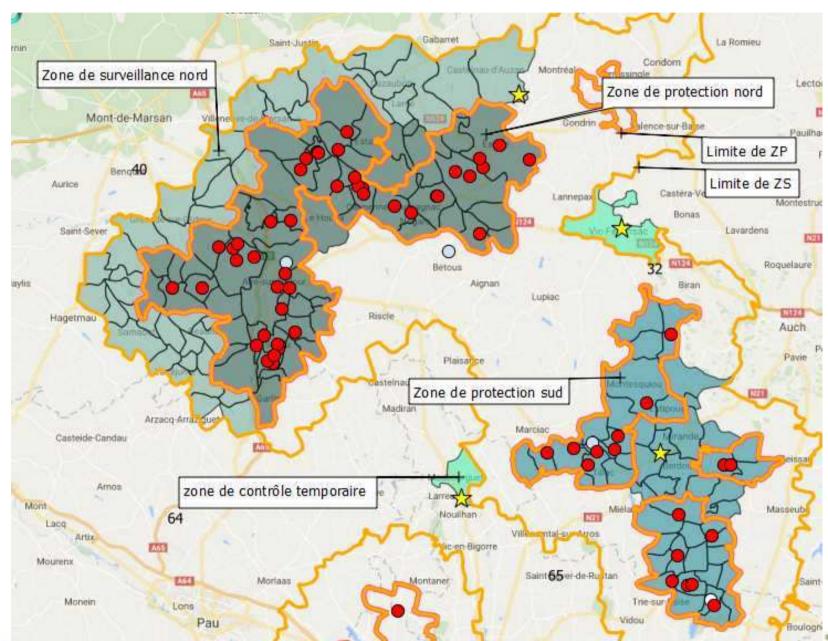






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Proposed zoning 04/01

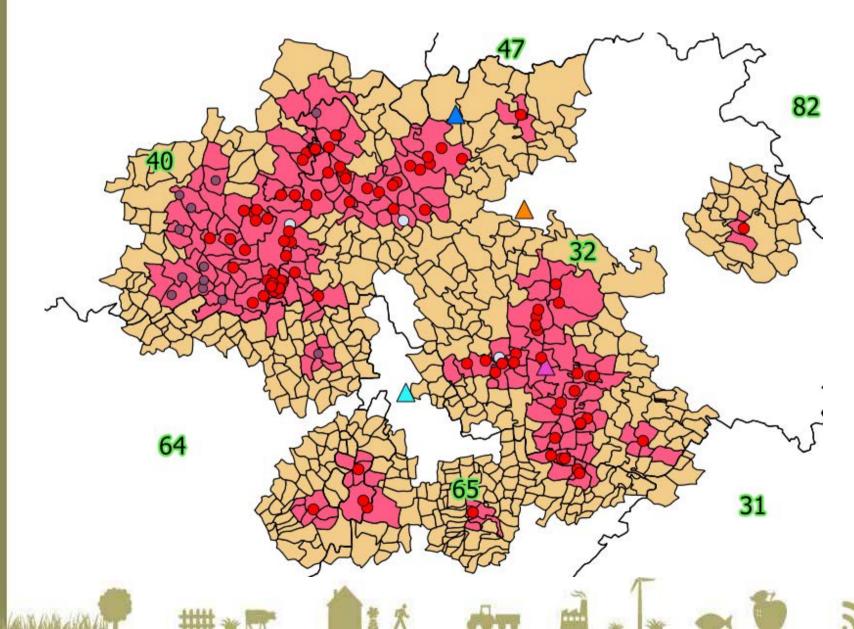


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Zoning extension after confirmation of suspicions



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Slaughters in the zone

Day of slaughtering	Nb animals	Nb farms
5/1	41897	15
6/1	36198	12
7/1	33750	10
9/1	104258	35
10/1	103482	32
11/1	113913	29
12/1	124227	31
13/1*	9868	2
Total Résultat	567593	166

^{*} to be consolidated



















Technical aspects of operations

- Clinical veterinary visit 48 hours before setting any movement (ICA diverted use): if suspicion → sanitary police
- Removal with dedicated circuit by zone and slaughterhouse (transport, pick up team, cases)
- Reception of flocks, euthanasia by electrocution without bleeding, PCR specimens, slaughter PV
- Rendering: Secure sending for processing C2 (or C1) – reorganization of flows



















Headcount of slaughters

- Slaughtered animals in outbreaks :
 700 000
- Preventive Slaughtered animals :
 500 000

Total: 1 200 000 animals





















Main risks identified

- Moving flocks of uncertain status: Veterinary clinic, sampling for most-at-risk farms, no movement if clinical signs, biosecurity during transport, abattoirs placed in temporary controled zone
- Strong logistic stresses for transporters, Pickers, renderers, veterinarians, tests, DDecPP: Ability to update plan, provide margin for degrees of flexibility, provision of complementary resources from outside when adapted
- Evolution of the situation: if unfavorable, extension to other categories / species / zones



















Zone lifting conditions

- Protection zone
- Clinical visits of barnyards and farms
- Serological tests of palmpieds
- Cleaning and desinfection
 - => lifting 21 days after C/D,
- Surveillance zone:
- Visits of the farms
- Samplings of some farms
 - => lifiting if no positive results



















Thank you for your attention

















