



Federal Agency
for the Safety
of the Foodchain

Eradication of Aujeszky's disease in Belgium

SCOFCAH Brussels, 5-6 July 2011



Content

- **Pig population**
- **Eradication Programme**
- **Surveillance**
- **Herd status**
- **Costs**
- **Conclusions**



Pig population

- Pig farms

Province	Breeding Farms		Mixed farms		Fattening Farms		All Farms	
	Number	%	Number	%	Number	%	Number	%
West-Vlaanderen	302	44	1.443	45	1.784	36	3.544	40
Oost-Vlaanderen	158	23	577	18	816	16	1.562	17
Antwerpen	33	5	423	13	380	8	841	9
Limburg	64	9	301	9	348	7	725	8
Vlaams-Brabant	18	3	110	3	250	5	378	4
Henegouwen	43	6	101	3	373	7	517	6
Namen	12	2	43	1	296	6	351	4
Luxemburg	13	2	78	2	343	7	437	5
Luik	33	5	100	3	323	6	456	5
Waals-Brabant	12	2	26	1	78	2	116	1
Total	688	100	3.202	100	4.991	100	8.927	100



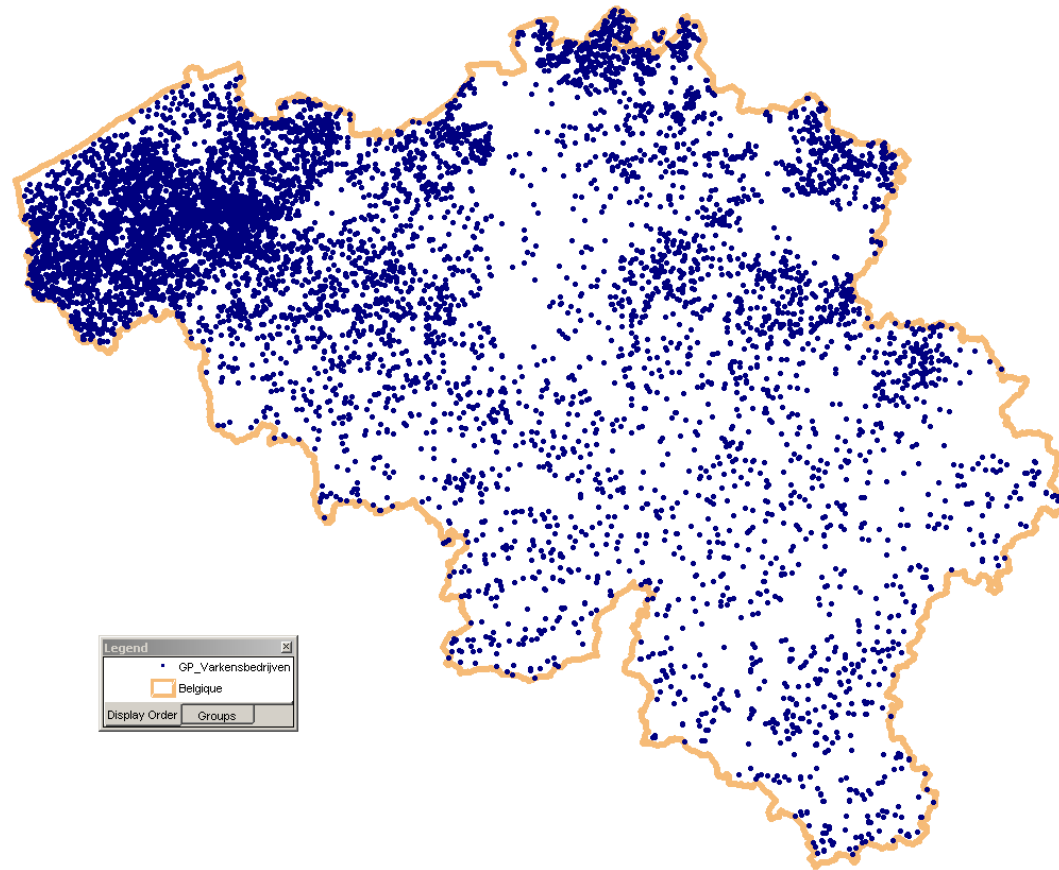
Pig population

- Pigs

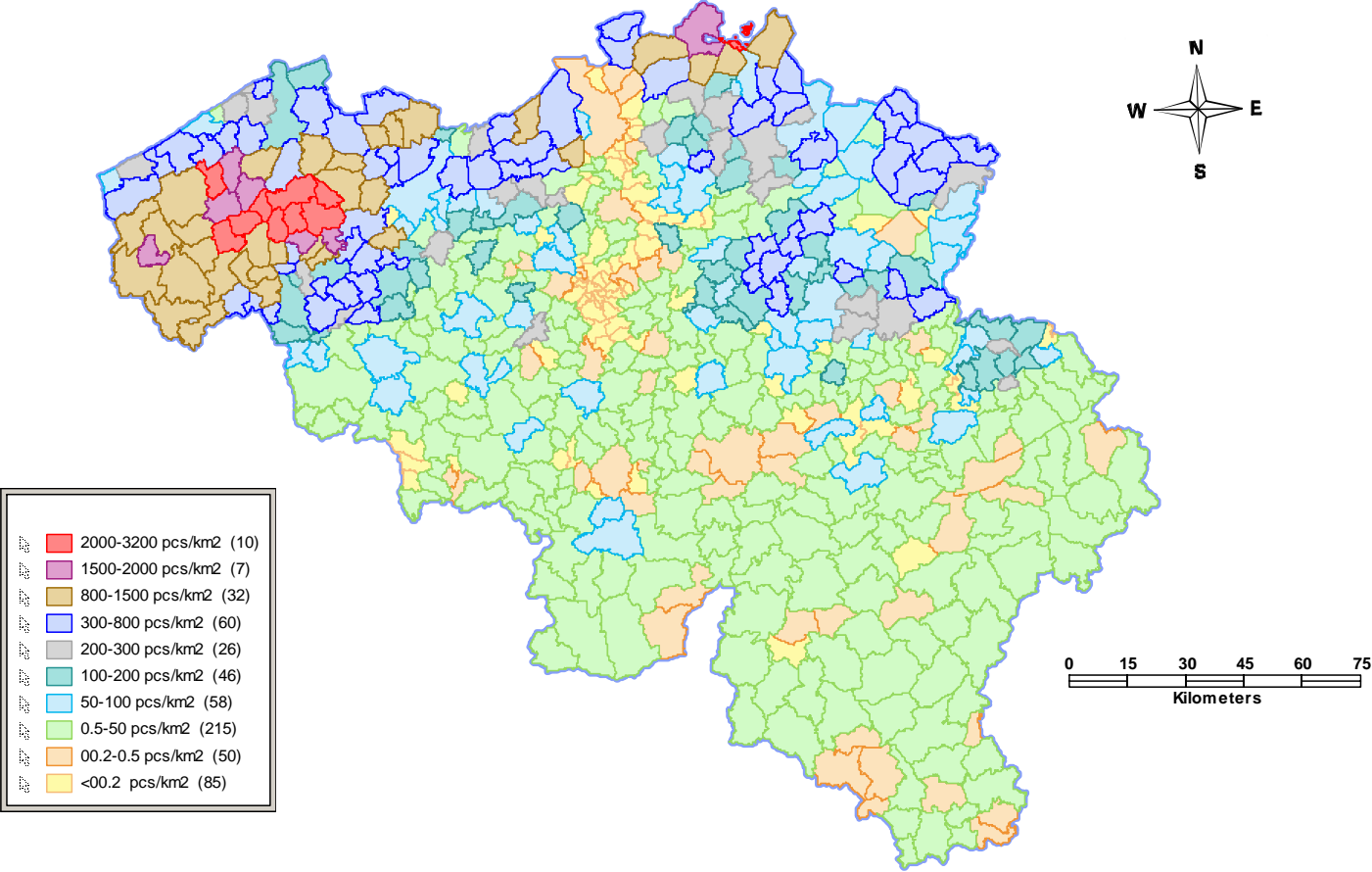
Province	Breeding Farms		Mixed Farms				Fattening Farms		All Farms			
	Sows		Sows		Fattening Pigs		Fattening Pigs		Sows		Fattening Pigs	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
West-Vlaanderen	49.071	53	248.382	50	1.284.567	51	1.424.596	52	297.453	51	2.709.163	51
Oost-Vlaanderen	21.026	23	89.702	18	478.463	19	411.707	15	110.728	19	890.170	17
Antwerpen	6.831	7	82.356	17	428.332	17	313.904	11	89.187	15	742.236	14
Limburg	6.045	6	44.602	9	193.964	8	159.846	6	50.647	9	353.810	7
Vlaams-Brabant	3.199	3	11.107	2	56.676	2	73.722	3	14.306	2	130.398	2
Henegouwen	2.571	3	6.692	1	35.535	1	119.736	4	9.263	2	155.271	3
Namen	432	0	1.947	0	10.393	0	91.724	3	2.379	0	102.117	2
Luxemburg	223	0	2.103	0	10.542	0	34.477	1	2.326	0	45.019	1
Luik	3.022	3	4.530	1	23.019	1	100.732	4	7.552	1	123.751	2
Waals-Brabant	768	1	1.761	0	9.150	0	15.673	1	2.529	0	24.823	0
Total	93.188	100	493.182	100	2.530.641	100	2.746.117	100	586.370	100	5.276.758	100



Pig population



Pig population



Eradication programme

- 1993
 - Eradication programme
 - Royal Decree on Aujeszky's disease (AD)
 - Mandatory notification
 - Only gE deleted vaccins allowed
 - Mandatory vaccination of sows and fattening pigs (northern region)
 - Registration of vaccinations in central database
 - Programme financed by Animal Health Fund
- 1996
 - First serological screening



Eradication programme

- 1998
 - Mandatory vaccination of sows and fattening pigs (entire territory)
 - Derogations for AD free herds in less densely populated areas
- 1999
 - AD status for every pig herd
 - Sampling of all sows for serological tests
 - Sampling of fattening pigs on mixed holdings
- 2002
 - Sampling of fattening pigs on fattening farms
 - Movement restrictions for pigs for production from non free herds
 - AD eradication programme approved by EC (Decision 2001/905/EC)



Eradication programme

- 2003
 - Movement restrictions for pigs for slaughter from herds with unknown status
 - Adaptation of vaccination scheme for free herds in low prevalence areas
- 2004
 - Prohibition of movement of pigs for breeding or fattening from herds not certified free
 - Movement restrictions for pigs for slaughter from herds not certified free
- 2005
 - Adaptation of vaccination scheme for fattening pigs in free herds (1 vaccination only)



Eradication programme

- 2006
 - Derogations mandatory vaccination for AD free herds
- 2009
 - Vaccination no longer mandatory
 - Last vaccinations of pigs in Belgium
- 2011
 - New legislation on AD
 - Prohibition of vaccination



Surveillance

- Sampling of non free herds (in the past)
- Sampling of free herds (more than 5 pigs) 3 times a year
 - 12 sows (5% for large herds)
 - 12 fattening pigs (less for very small herds)



Surveillance - Results

Year	Herds			Pigs		
	Number	Number sampled	Number seropositive	Number	Number sampled	Number seropositive
2003	10.986	10.217	329	5.804.571	480.274	3.185
2004	10.614	9.330	135	5.662.440	402.943	813
2005	10.486	8.818	103	5.627.454	376.290	171
2006	10.290	8.409	67	5.611.740	353.925	90
2007	9.950	8.001	43	5.639.974	334.645	52
2008	9.533	7.592	62	5.645.909	326.797	69
2009	9.201	7.153	0	5.665.725	305.912	0
2010	9.015	6.816	0	5.855.045	297.258	0



Herd status

Aujeszky's disease status 30/04/2011										
Province	Total		Unknown		Not free		Free		Officially free	
	Herds	Pigs	Status A1		Status A2		Status A3		Status A4	
Herds			Pigs	Herds	Pigs	Herds	Pigs	Herds	Pigs	Herds
West-Vlaanderen	3.544	3.006.616	0	0	0	0	3.491	2.950.301	53	56.315
Oost-Vlaanderen	1.562	1.000.898	0	0	0	0	1.540	973.210	22	27.688
Antwerpen	841	831.423	0	0	0	0	821	806.216	20	25.207
Limburg	725	404.457	0	0	0	0	709	392.996	16	11.461
Vlaams-Brabant	378	144.704	0	0	0	0	373	140.328	5	4.376
Henegouwen	517	164.534	0	0	0	0	463	146.018	54	18.516
Namen	351	104.4969	0	0	0	0	330	97.104	21	7.392
Luxemburg	437	47.345	0	0	0	0	425	43.826	12	3.519
Luik	456	131.303	0	0	0	0	407	121.108	49	10.195
Waals-Brabant	116	27.352	0	0	0	0	95	22.031	21	5.321
Total	8.927	5.863.128	0	0	0	0	8.654	5.693.138	273	169.990



Costs for sampling and testing

- 2000 : 5,05 mio EURO
- 2001 : 3,24 mio EURO
- 2002 : 3,14 mio EURO
- 2003 : 2,28 mio EURO
- 2004 : 2,00 mio EURO
- 2005 : 1,89 mio EURO
- 2006: 1,78 mio EURO
- 2007: 1,98 mio EURO
- 2008: 1,81 mio EURO
- 2009: 1,78 mio EURO
- 2010: 1,73 mio EURO



Conclusions

- No serological, virological or clinical indications for AD for more than 2 years
- No pigs were vaccinated for more than 1 year
- All pig herds in Belgium were tested and are certified free from AD
- Belgium applies for the free status for AD according to article 10 of CD 64/432/EC



Website

www.favv.be

www.afsca.be

Thank you for your attention

