



Aujeszky's Disease programme in LOMBARDIA region ITALY

Standing Committee on Plants, Animals, Food and
Feed Section Animal Health & Welfare

Bruxelles, 25 October 2017



ISTITUTO ZOOPROFILATTICO SPERIMENTALE
DELLA LOMBARDIA E DELL'EMILIA ROMAGNA
"BRUNO UBERTINI"
ENTE SANITARIO DI DIRITTO PUBBLICO



Regione
Lombardia

AD programme in Lombardia:

The programme is prepared:

- ✓ in accordance with Article 9 of Directive 64/432/EEC and
- ✓ following the indications reported in SANCO Working Document 3023/2008 «Guidance to Commission Decision 2008/185/EC regarding additional guarantees in intra-Community trade of pigs related to Aujeszky's disease and criteria for listing a Member State or a region thereof as free from Aujeszky's disease or as having an approved disease control programme”



It is presented for approval of the control programme for Aujeszky's disease and for the inclusion of Lombardia in **Annex II - Decision 2008/185/EC**



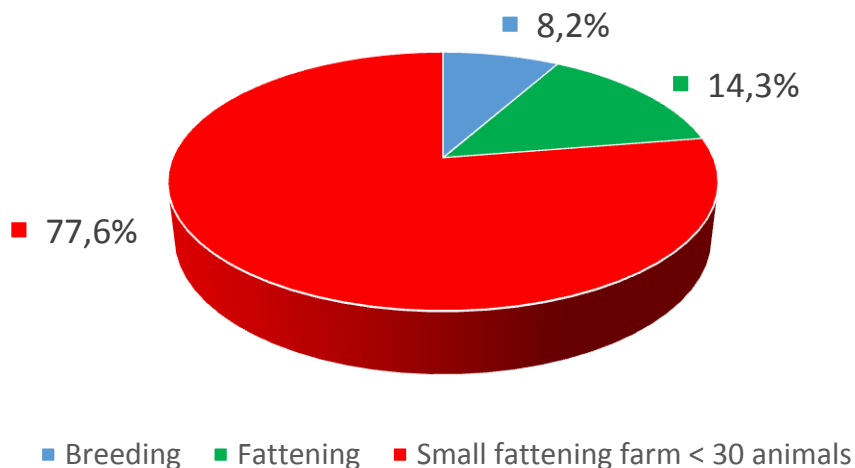
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Pig production system in Lombardia

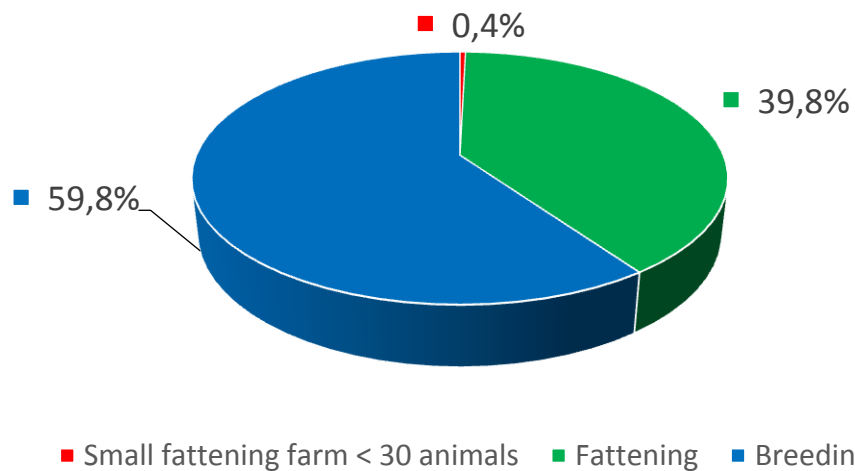
n° HERDS



Category	n° Herds	n° Animals
Breeding	665	1.651.582
Fattening	1.159	2.466.349
Small fattening farm < 30 animals	6.297	17.334
Total	8.121	4.135.265

99,6 % of pigs (4.117.931) are in 1.824 commercial holdings:

n° ANIMALS



0,4% of pigs (17.334) are in 6.297 small fattening holdings (< 30 pigs)

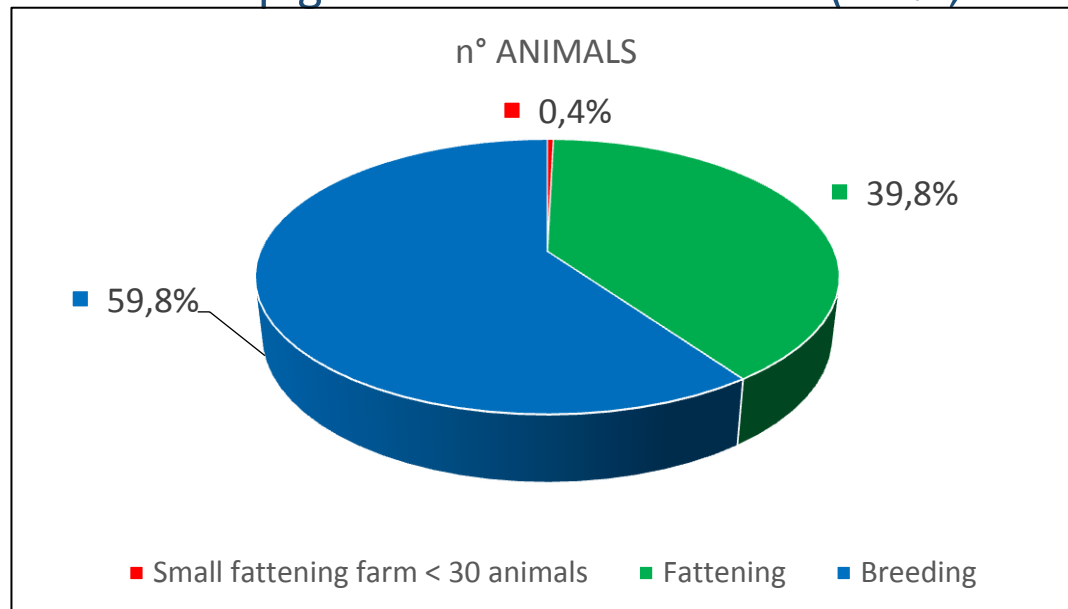
Features of the AD programme in Lombardia:

- AD is notifiable
- AD eradication activities started in 2009, the programme is compulsory and supervised by the VS
- all pig herds of the region are included in the programme
- the design of the programme leads to eradication
- all pig herds have been classified and:
 - at least 80% of the herds belong to the categories free with vaccination **AND**
 - the number of infected herds has decreased during the last five years with 5-10% per year, **on average 8% per year**
- the classification of herds is recorded and kept up-to-date and the registration and the Identification of pig herds meet EU legislation
- Preventive measures on pig movements are in place to prevent the spreading of AD virus
- vaccination is carried out using only vaccines with deleted virus strains
- regular surveillance (active and passive) is implemented to detect infected herds
- procedures are in place to manage positive case
- active surveillance in wild boar is carried out
- diagnostic tests are performed in accordance with the standards of Annex III to Decision 2008/185/EC



AD programme in Lombardia: Surveillance activities in domestic pigs

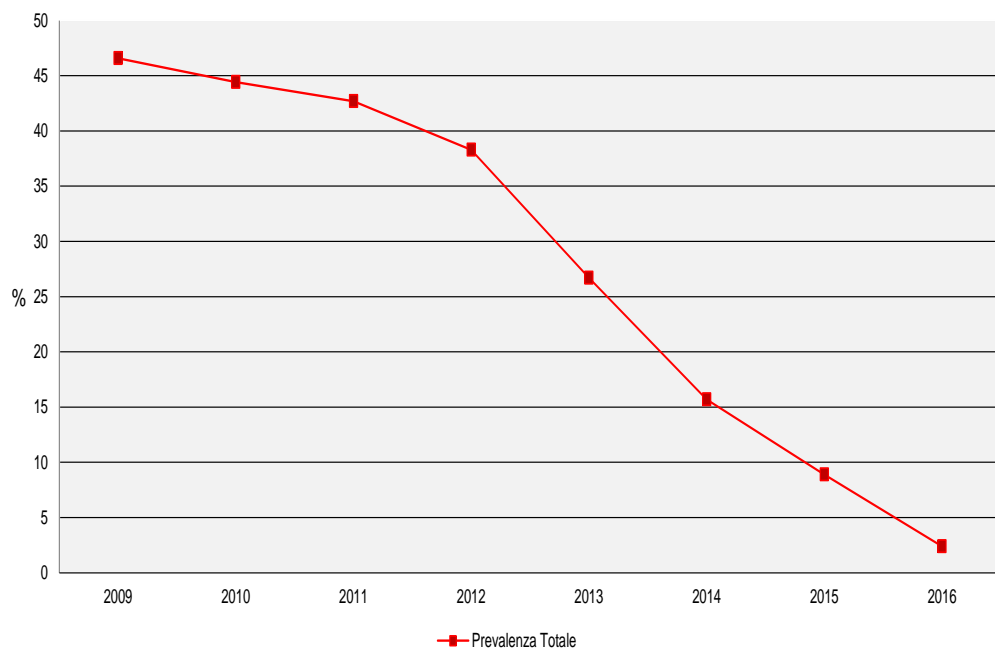
- **Breeding holdings:** all holdings are tested 3 times/year (P 10%, i.c. 95%)
- **Fattening holdings (>30 pigs):** all holdings are tested 2 times/year (every 6 months) (P 5%, i.c. 95%)
- **Small fattening holdings (1-30):** a sample of 600 holdings is tested (P 0,5%, i.c. 95%)
 - herds from 1 to 4 pigs: 300 herds are tested (P 1%, i.c. 95%)
 - herds from 5 to 30 pigs: 300 herds are tested (P 1%, i.c. 95%)



Results obtained through the implementation of AD programme in Lombardia

Sero-prevalence trend (2009-2016)

Annual sero prevalence reduction in the last 5 years



Year	Annual Reduction of the Prevalence	Average Annual Reduction
2011	4,4	8
2012	11,6	
2013	11	
2014	6,8	
2015	6,4	
2016		

2016: AD surveillance in commercial holdings

PROV	N. of herds under programme	N. of controlled herds	N. of herds gE pos	Indicators	
				% herds coverage	% positive herds (prevalence)
1	3	4	5	$6 = (4/3) \times 100$	$7 = (5/4) \times 100$
Bergamo	167	166	0	99,4	0
Brescia	566	558	21	98,6	3,8
Como	28	28	0	100	0
Cremona	291	278	6	95,5	2,2
Lecco	24	24	0	100	0
Lodi	158	158	6	100	3,8
Mantova	375	369	11	98,4	3
Milano	58	58	0	100	0
Monza Brianza	8	8	0	100	0
Pavia	98	98	0	100	0
Sondrio	17	17	0	100	0
Varese	34	34	0	100	0
Totale	1.824	1.796	44	98,5	2,4



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Some holdings are empty



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2016: AD surveillance in small fattening herds (1 – 30 pigs)

PROV	N. herds under program	N. herds controlled	N. of herds gE pos
Bergamo	1.718	360	0
Brescia	1.514	253	2
Como	658	153	1
Cremona	159	32	1
Lecco	503	65	0
Lodi	35	8	0
Mantova	256	102	0
Milano	242	70	0
Monza Brianza	77	30	0
Pavia	267	26	0
Sondrio	434	110	0
Varese	434	70	0
Totale	6.297	1.279	4



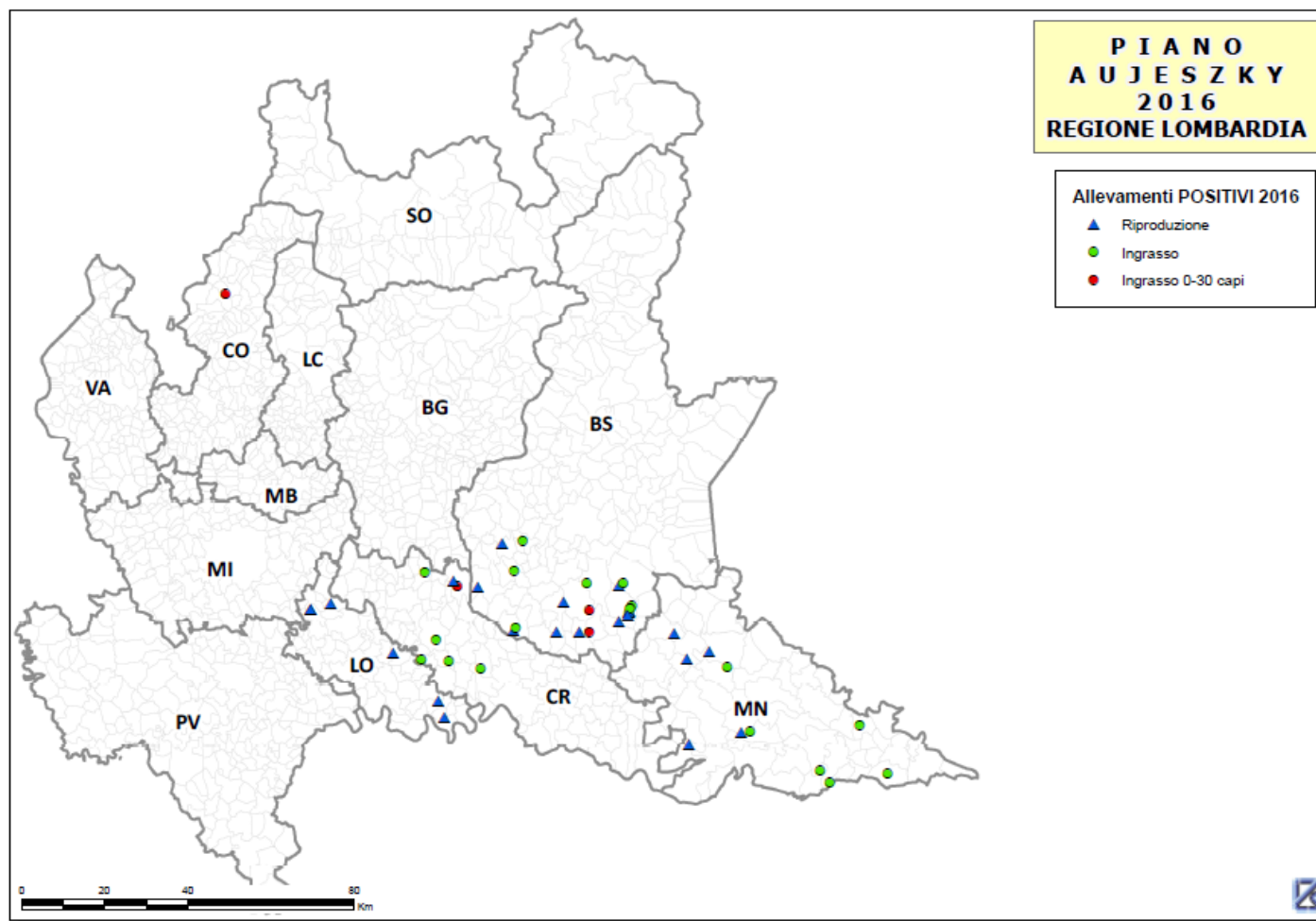
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The sample of holdings to be tested is 600



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2016: AD positive herds in Lombardia



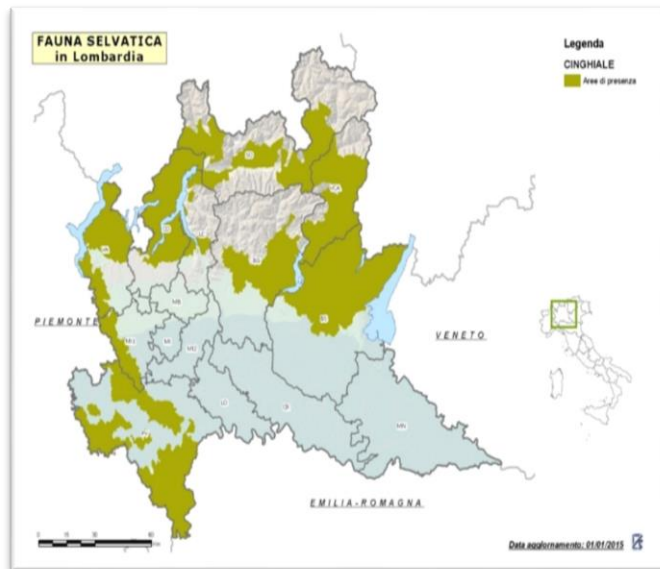
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Regional monitoring programme for AD in the wild boar

In green the areas where wild boars are present



Average hunting bag of the period 2002-2012: 3.063 heads/year

Year	Animals tested
2013	1.891
2014	2.368
2015	3.336
2016	3.419
Total	11.014

- In 2016, 426 wild boar resulted pos for AD
- The ADV strain circulating in the wild boar population is genomically different from the one of domestic pigs. This confirm that the 2 populations are well separated.



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Thank you!