



REPUBLIC OF BULGARIA
MINISTRY OF AGRICULTURE, FOOD AND FORESTRY
BULGARIAN FOOD SAFETY AGENCY

Surveillance and control of Classical Swine Fever in Bulgaria

Focus on 2016 Control programme

PAFF, 30 Nov – 1 Dec 2017

Historical overview and evolution of CSF in Bulgaria

	Trade farms		East Balkan pigs		Backyards		Cases in Wild boar	Significant events
	No of herds infected	No of animals infected	No of herds infected	No of animals infected	No of herds infected	No of animals infected		
2002	10	41	-	-	-	-	-	-
2003	5	34	2	24	4	5	-	-
2004	1	3	1	19	-	-	48	First cases in WB since 1996
2005	-	-	-	-	-	-	88	- Start of oral vaccination in WP - End of vaccination in domestic pigs
2006	3	68	-	-	4	5	-	Dec. 2006/805/EC ban for BG
2007	1	41	2	46	-	-	-	- EU accession - New CSF programme
2008	1	8	-	-	-	-	-	- Check lists - FVO mission - Dec. 2008/885/EC lifting the ban for pig products - new vaccination strategy in WP
2009	-	-	-	-	-	-	8	CSF task force group

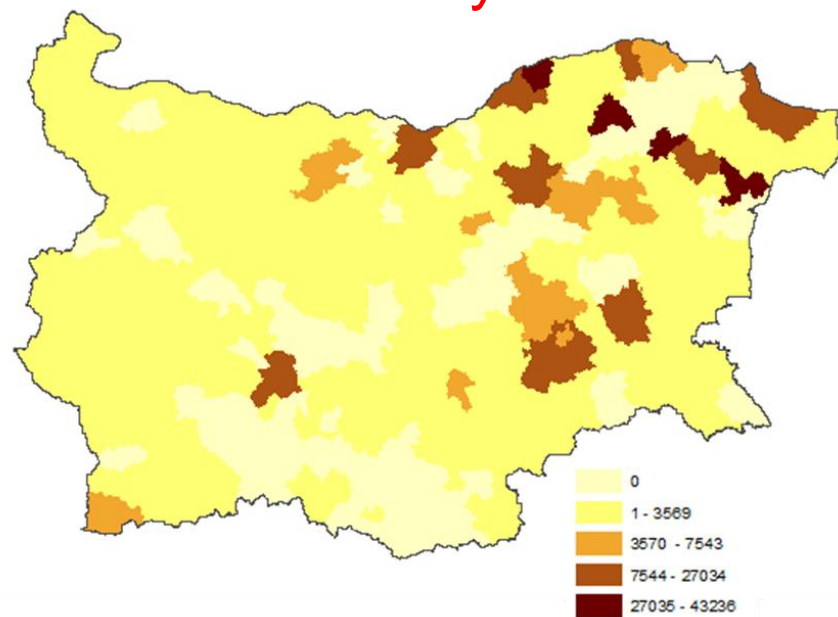
2008 - Last outbreak in domestic pigs

2009 – Last cases in wild boar

CSF control strategy in domestic pigs

Categorization of farms based on bio-security level

Period	Pigs, n
2005	> 1 000 000 pigs
2009	627 310
2010	583 999
2011	573 322
2012	531 952
2013	517 741
2014	501610
2015	588507
2016	498668
2017	428377



Category	Farms, n	Pigs, n
Industrial farm	60	387578
Type A	104	29882
Type B	178	3495
Backyard	1804	3728
EBP	46	3694
Total	2192	428377

CSF control program in domestic pigs

- ❖ Active surveillance of the pig holdings:
 - **Clinical surveillance** to detect clinical cases of CSF as early as possible and submission of **check lists** data into the national database;
 - Serological and virological surveillance
- ❖ Passive surveillance;

Category of pig holding	Clinical examinations		Number of samples for laboratory testing: to detect 10 % prevalence with 95 % confidence
	Private vet	Official vet	
Industrial pig farms	every 3 months; each pig's batch for slaughtering	every 6 months	once per 6 months
Family farms type A	every 3 months; each pig's batch for slaughtering	every 6 months	once per 6 months
Family farms type B	every 3 months	once per year	every 6 months
Backyard holdings	every 6 months.	10% of the "backyards" holdings every 6 months.	in case of change of the normal health status of the pigs

CSF surveillance in domestic pigs in 2016

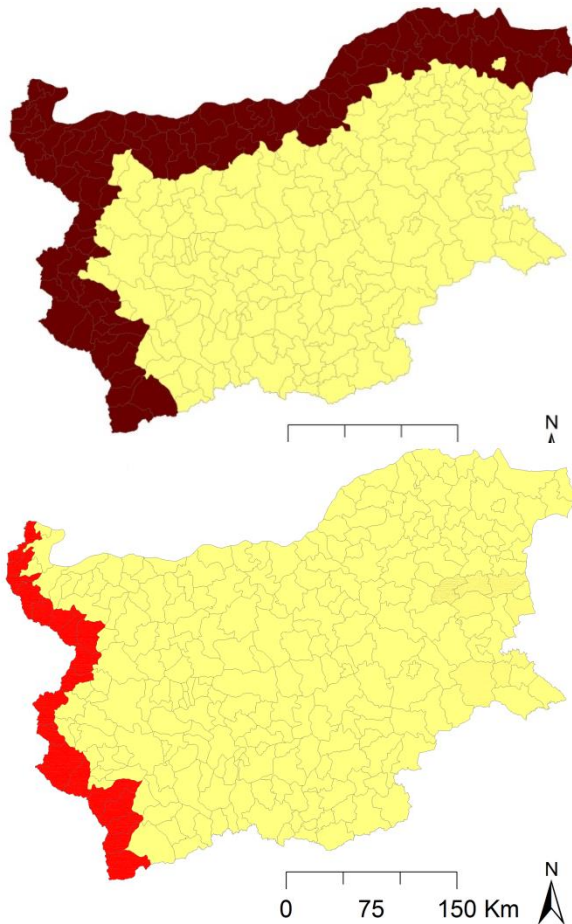
Last outbreak - 2008

Period	Type of holding	Holdings, n	Pigs, n	Serological tests, n	Virological tests, n	Clinical examinations, n
2016	Industrial	59	428917	591	0	10463
	Type A	114	27303	1416	0	1486
	Type B	449	10286	2043	1	442
	Backyards	16911	27254	0	0	2491
	East-Balkan	49	4908	1057	267	152
	Total	17582	498668	5107	268	15034

No evidence for CSFV circulation

CSF control program in wild boar

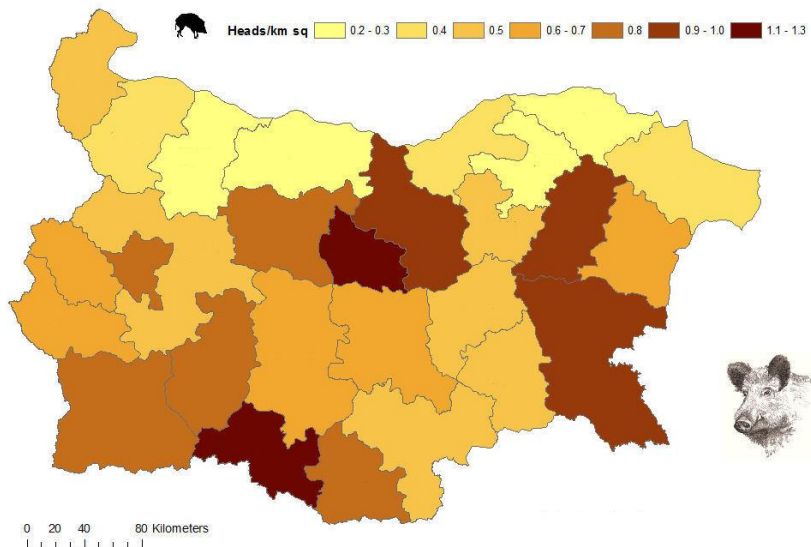
Oral vaccination of wild boar



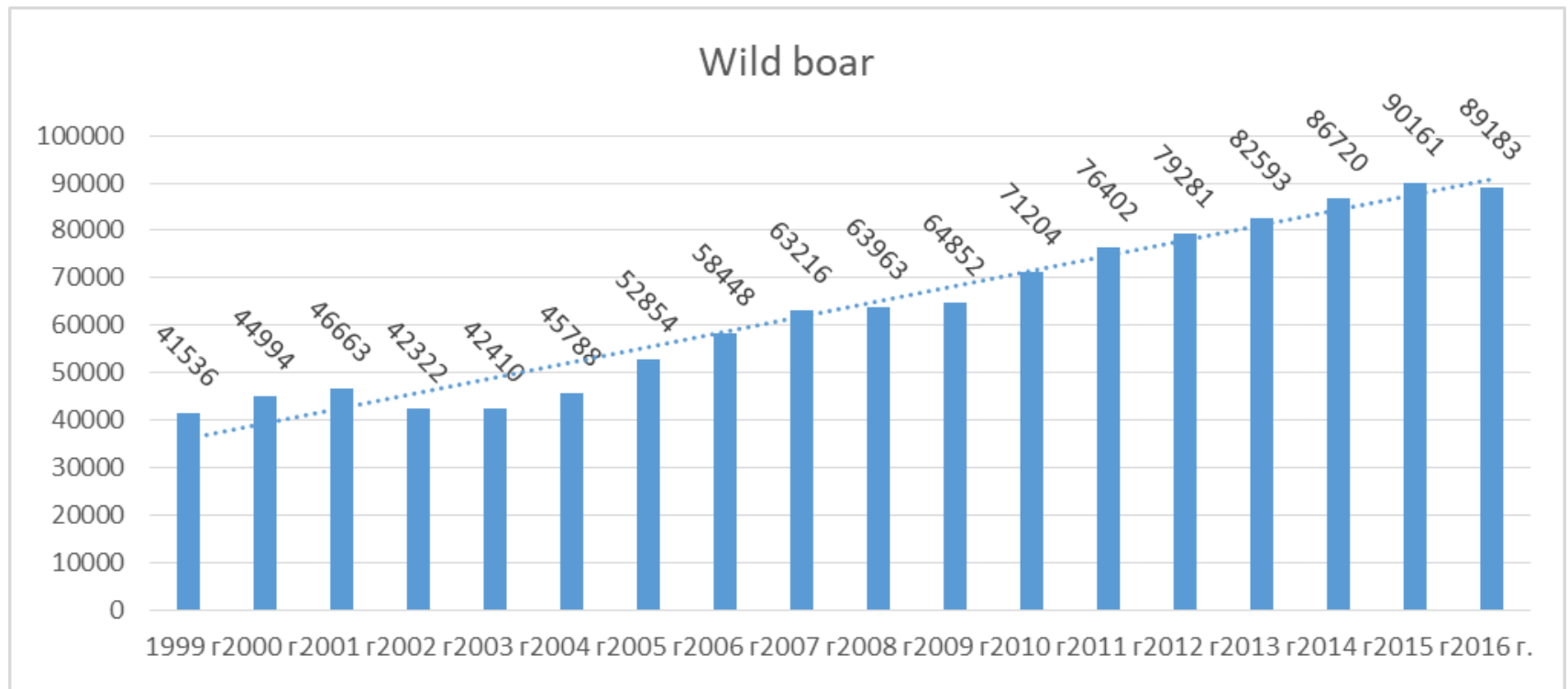
- ❖ **2005 – 2008** – Two vaccination campaigns with 2 bites distributions in 14 days for each per year. Only the last vaccination campaign in 2008 was carried out within 40 km zone along the west and north borders of the country
- ❖ **2009 – 2012** - Three vaccination campaigns with 2 bites distributions in 14 days within **40 km zone along the west and north borders** of the country
- ❖ **2013 – 2014** - Three vaccination campaigns with 2 bites distributions in 14 days within the **municipalities along the west and north borders** of the country
- ❖ **2015** - Three vaccination campaigns with 2 bites distributions in 14 days within the **municipalities along the west borders** of the country
- ❖ **2015 - End of vaccination**

Surveillance for CSF in wild boar

Testing of organ and blood samples from shot/found dead wild boar for presence of CSF field virus and antibodies induced by vaccination.

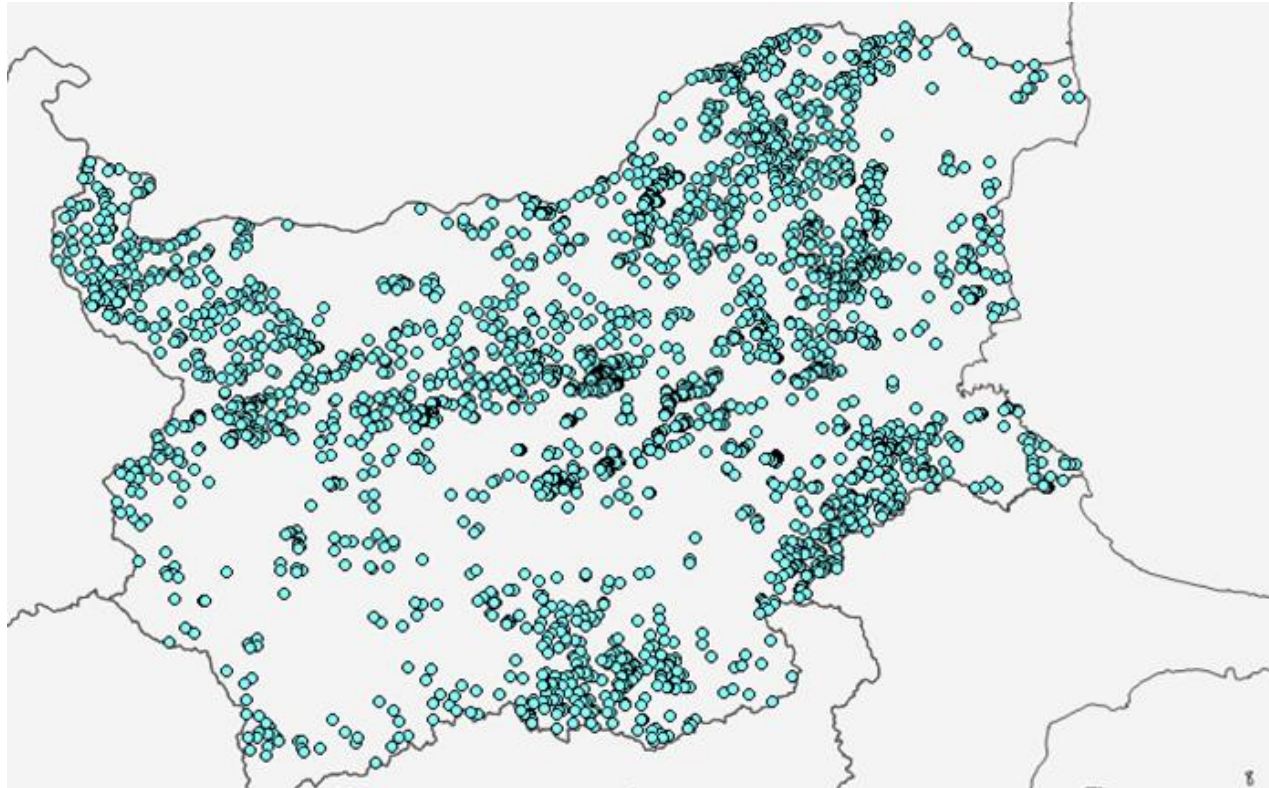


Wild boar population



Surveillance for CSF in wild boar in 2016

Last case – Autumn 2009



- Serologically tested wild boar - 5940
- Virologically tested wild boar - 6114

No evidence for CSFV circulation

Thank you for the attention!

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