



**IMPLEMENTATION OF THE PLAN  
FOR THE CONTROL OF FMD IN SUSCEPTIBLE  
WILDLIFE IN THE SOUTH-EAST OF BULGARIA**

approved by Commission implementing Decision 2011/493/EC from 5 August 2011

**SCoFCAH, 07-08 Sept 2011**

**Animal Health & Welfare Directorate  
Bulgarian Food Safety Agency**

**e-mail: [p\\_kam@nvms.government.bg](mailto:p_kam@nvms.government.bg)**

**tel: 00359 2 915 98 42**



Plan presented on 4<sup>th</sup> of April, voted at the SCoFCAH on 5-6<sup>th</sup> July 2011 and approved by Commission implementing Decision 2011/493/EC from 5 August 2011.



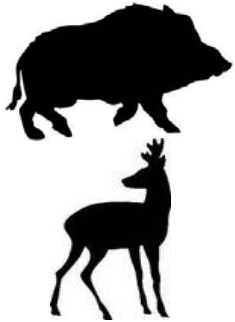
**Fig.** Map with the location of the three sampling areas within “Cordon Sanitaire”: **Sampling area A** - Infected area (Tsarevo-south part (1) and Malko Tarnovo (2) and Sredets - south part (5') municipalities) and **Sampling area B** - risk area (Tsarevo-north part (1') Primorsko (3), Sozopol (4), Sredets -central part of (5'), and **Sampling area C** - risk area (parts of Bolyarovo (6), Elhovo (7), Topolovgrad (8), Svilengrad (9) municipalities)

## CONTROL IN WILDLIFE

- The estimated wild boar population in the defined infected area (area A) is about 1500 animals and in the risk areas (areas B and C) about 3000. The minimum number of animals to be sampled in each area will be at least 59 animals to allow detection of 5 % sero-prevalence with 95 % confidence.
- As regards the other FMD susceptible species (such as red deer and roe deer including un-owned stray livestock) the minimum number of animals to be sampled within each of the three areas will be at least 35 heads to allow detection of 10% sero-prevalence with 95 % confidence.



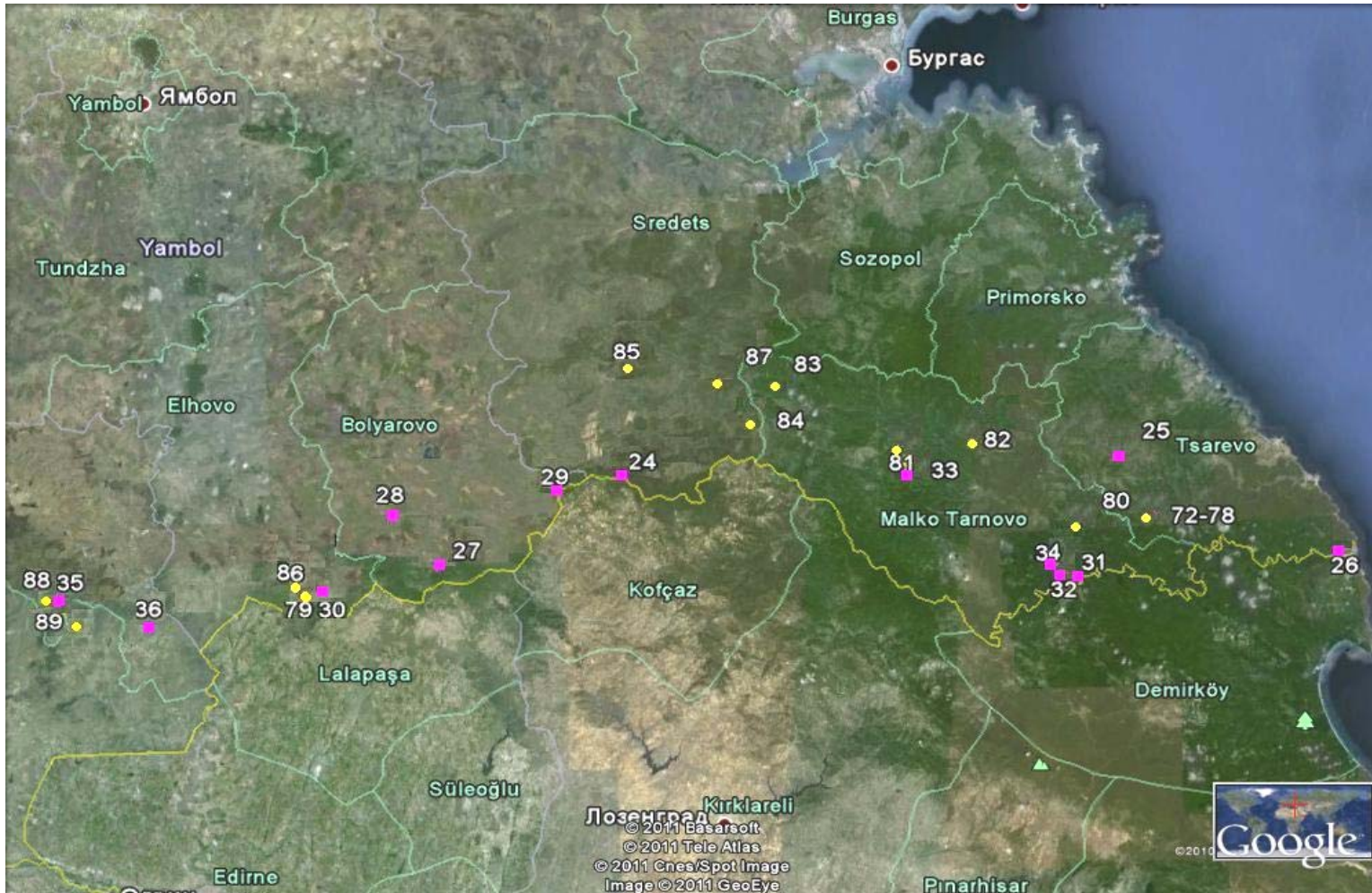
## FMD surveillance in wildlife in August 2011



	Number of sampled	Ab positive	FMDV positive
wild boar ( <i>Sus scrofa</i> )	18	0	0
roe deer ( <i>Capreolus capreolus</i> )	13	0	0
Total	<b>31</b>	0	0

# FMD surveillance in wildlife -August 2011

(18 wild boar + 13 roe deer)



● Wild boar

■ Capreolus capreolus (roe deer)

All tested wild animals Ab and FMDV negative

## CONTROL IN WILDLIFE

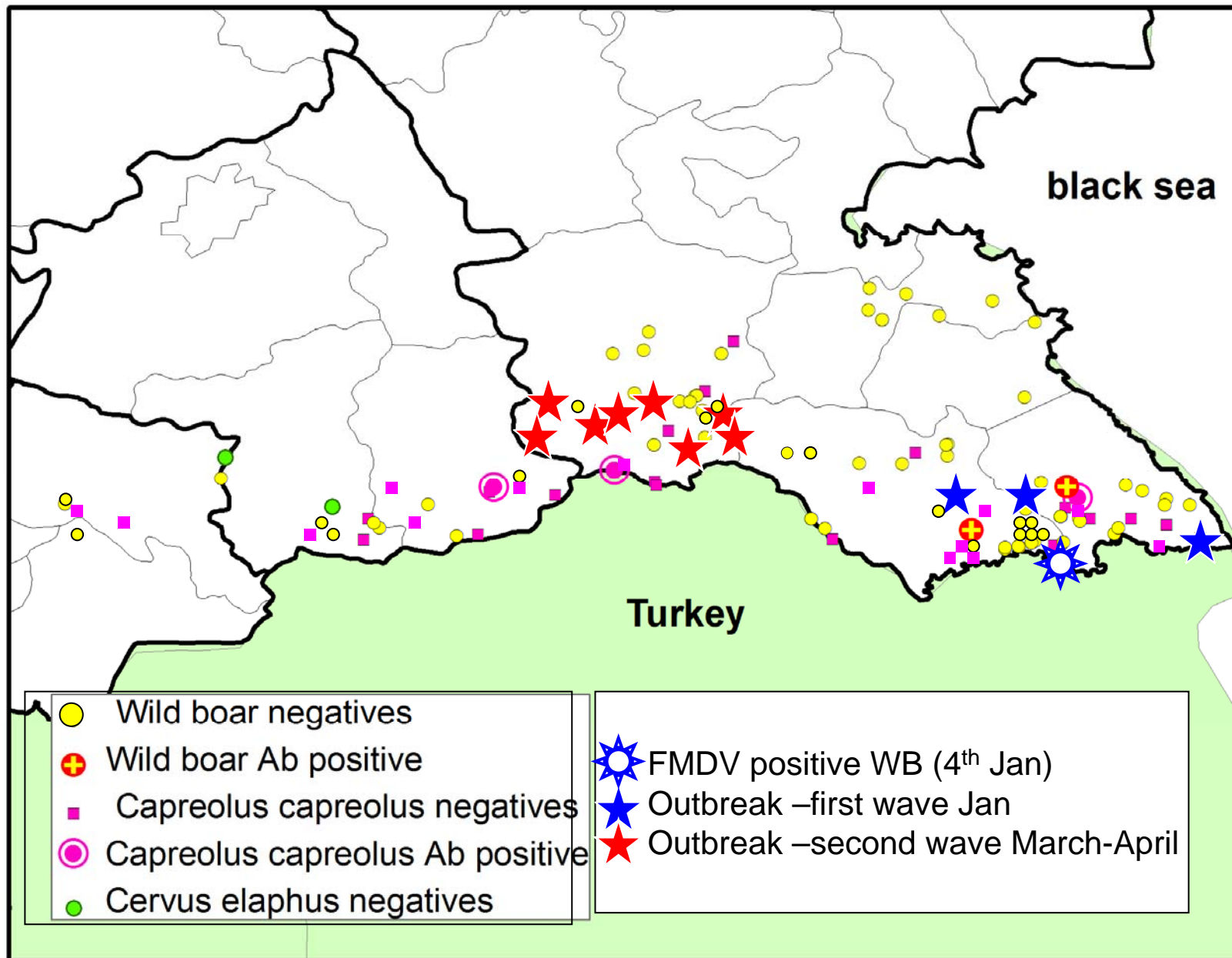
1. Feb – March (19 wild boar + 6 roe deer)
2. June (52 wild boar/2 **Ab pos** + 17 roe deer/3 **Ab pos** + 2 red deer)
3. August (18 wild boar + 13 roe deer)



	Number of sampled	Ab positive	FMDV positive
wild boar ( <i>Sus scrofa</i> )	89	2	0
roe deer ( <i>Capreolus capreolus</i> )	36	3	0
red deer ( <i>Cervus elaphus</i> )	2	0	0
Total	127	5	0

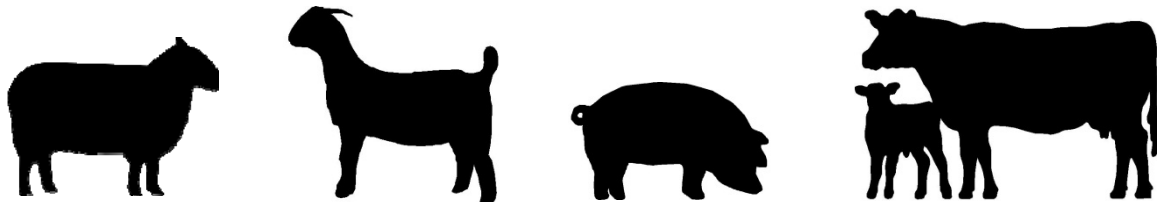
*Note: all seropositive animals (data from NRL) are sampled in June and are older than one year of age*

# FMD surveillance in wildlife in Bulgaria in 2011



## CONTROL IN DOMESTIC LIVESTOCK

- **clinical surveillance** and monitoring of herds **within 21 days** using a template checklist.
- **blood samples** for serological investigations within epidemiological unit taken **every third month** for detection of 5 % sero-prevalence with 95 % confidence, as a village including its defined area is considered to be the epidemiological unit.
- in case of a pure sheep/goat population in the epidemiological unit the blood sampling is carried within the rhythm of the clinical surveillance.
- in case of suspect animals within the Cordon Sanitaire samples for laboratory testing (blood and tissue samples) taken immediately and measures as laid down in Directive 2003/85/EC - chapter II applied.



## CLINICAL EXAMINATIONS AND SEROLOGICAL SURVEILLANCE (16-25 AUGUST)

Municipality	№ of villages within the municipality and status of villages (A,B or C)	№ of animal holdings	№ of animals					№ of blood samples taken to detect 5 % prevalence with 95% confidence within village	Laboratory results Type O ELISA
			cattle	sheep	goats	buffalos	pigs		
1 Tsarevo	13 (10A+3B)	190	490	7703	2268	0	253	552	negative
2 M Tarnovo	13 A	155	425	2196	1217	79	393	490	negative
3 Primorsko	3 B	142	220	3582	287	20	111	166	negative
4 Sozopol	6B	523	833	7309	2516	10	1643	344	negative
5 Sredets	18 (9A+9B)	346	2182	7478	2602	38	356	877	negative
6 Bolyarovo	19 C	519	2 917	6 683	2 185	1	140	1021	negative
7 Elhovo	11 C	430	2 119	3 790	2 417	5	90	608	negative
8 Topolovgrad	7 C	406	834	2 611	1402	0	0	356	negative
9 Svilengrad	16 C	985	814	2 804	2 138	23	289	789	negative
<b>Total</b>	<b>106</b>	<b>3696</b>	<b>10 834</b>	<b>44 156</b>	<b>17 032</b>	<b>176</b>	<b>3 275</b>	<b>5 203</b>	<b>negative</b>



Sampling areas **A**, **B** and **C**

- All 106 villages in the “Cordon Sanitaire” checked
- All clinical examinations negative for clinical signs of FMD
- 5 203 blood samples negative under Type O ELISA in 16-25 August.



**To be continued.....**