

Peste des **P**etits **R**uminants situation in Bulgaria

PAFF, 12-13 July 2018

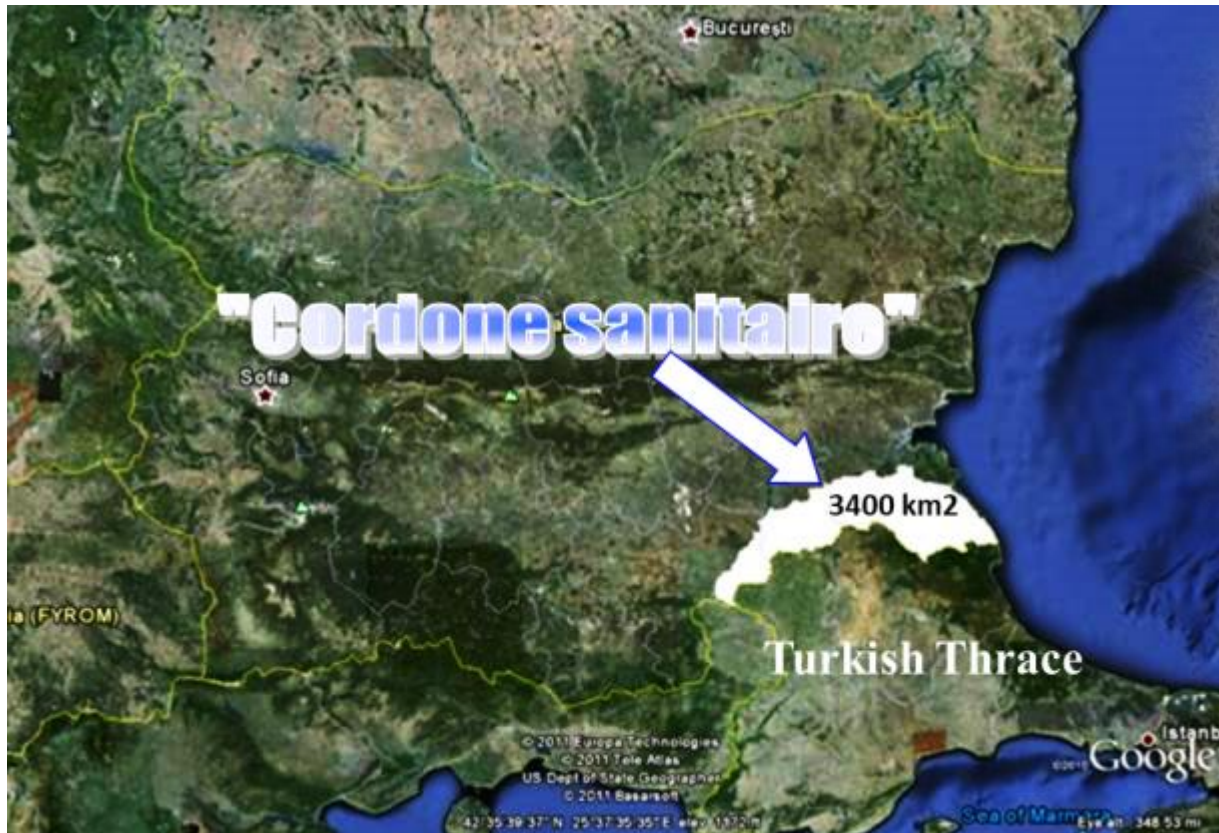


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The frontline.....



FMD, 2011

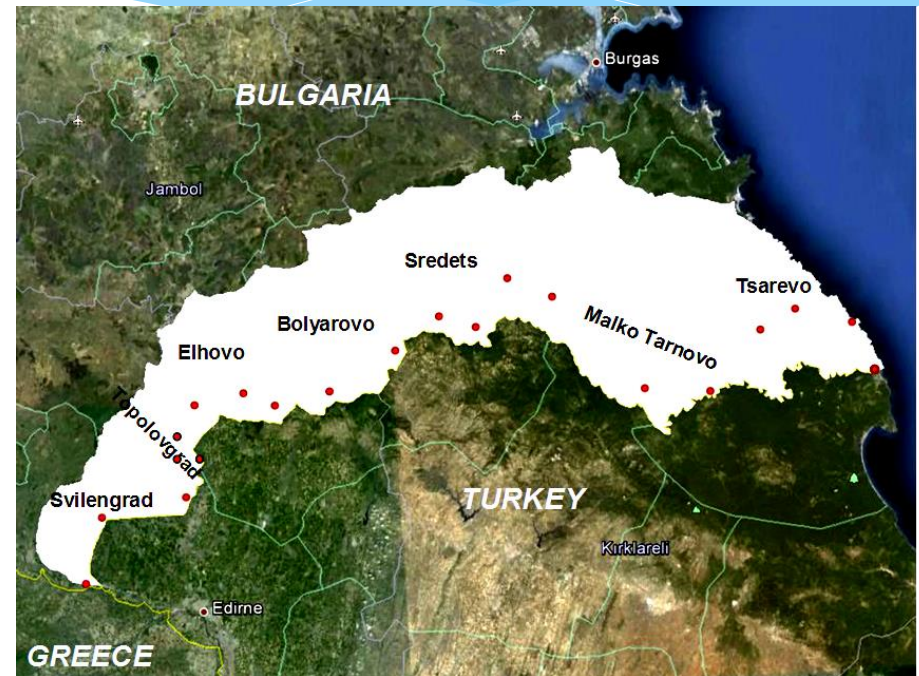


SGP, 2013



PPR, 2018

Surveillance and control programmes in place along the Turkish border



- * **TAD programme** – PPR (sero-surveillance), SGP (clinical surveillance), LSD (clinical surveillance; vaccination)
- * **THRACE programme** – FMD (clinical and serological surveillance)

The situation in June 2018 (1)

- * Till June 2018 PPR had never been detected in Bulgaria

Two outbreaks detected in June

- * **Outbreak 1:** Voden, Bolyarovo municipality of Yambol region;
- * **Outbreak 2:** Kosti, Tsarevo municipality, Burgas region
- * Outbreaks detected by mild clinical signs and laboratory confirmation.
- * No severe clinical picture and/or mortality

The situation in June 2018 (2)

Outbreak		Date of confirmation	Small ruminants, n	Animals with clinical signs, n	Animals died, n
1	Voden, Yambol region	23.06.2018 PCR confirmation by NRL and CIRAD	1408	3	1
2	Kosti, Burgas region	28.06.2018 PCR confirmation by NRL	538	10	0



Observations

- * Mild clinical symptoms in sheep: nasal discharges; fever for two – three days; bloody discharges from the anus of 3 sheep; lesions in the mouth...
- * Nothing seen in goats except few cases of nasal and eyes discharges
- * Only one sheep died.
- * Only PCR confirmation
- * All serological test are negative so far
- * **Possible source of infection:**
 - illegal movement of animals?
 - Contaminated material?
 - Refugees?

Voden



Kosti



Measures undertaken

Based on Directive 92/119 and national contingency plan:

- * Culling and burial of all susceptible animals in the affected villages. The village itself is taken as an epidemiological unit
- * Establishment of protection (3 km) and surveillance (10 km) zones around the affected villages
- * Sampling of small ruminants for serological and virological surveillance in all villages in the protection and surveillance zones. Target: detection of 5% with 95% confidence. Village is taken as epidemiological unit.
- * Clinical examinations in all holdings with small ruminants in the municipalities bordering Turkey .
- * Numerous of disinfections in the affected villages
- * Ban of movement of susceptible animals within and from the zones.

Small ruminants in the zones around Outbreak 1 - Voden

Zones	village	Sheep, n	Goats, n	Sheep and goats sampled, n	Sheep and goats destroyed, n
Outbreak	Voden	1057	351	280	1408
3 km	-	-	-	-	-
10 km	Rujitsa	0	3	3	-
	Valchi Izvor	129	62	68	-
	Krainovo	60	22	46	-
	M. Sharkovo	76	0	73	-
	G. Poliana	325	15	68	-
	Strandzha	171	4	88	-
	Sharkovo	1317	93	278	-
	Voden	1057	331	248	-
	Mamarchev o	493	85	59	-
	Bolyarovo	1262	159	288	-
	Sitovo	49	125	59	-
Iglika	214	21	59	-	
Total		6210	1271	1617	1408

Small ruminants in the zones around Outbreak 2 - Kosti

Zones	village	Sheep, n	Goats, n	Sheep and goats sampled, n	Sheep and goats destroyed, n
Outbreak	Kosti	415	123	58	538
3 km	-	-	-	-	-
10 km	Balgari	11	0	11	-
	Kondolovo	11	0	11	-
	Izgreve	0	0	0	-
	Brodilovo	117	18	45	-
	Gramatikovo	499	249	177	-
Other	Tsarevo	430	50	53	-
	Sinemorets	320	30	51	-
Total		1803	470	406	538

Summary of the implementation...

- * 1946 sheep and goats were culled and destroyed
- * 2023 sheep and goats from protection and surveillance zones have been sampled. Samples taken by individual animal: serum, whole blood, swabs from the eyes.
- * 400 samples sent to CIRAD for virological testing
- * Serological tastings have been completed by NRL with negative results for Ab against PPR.

Further developments.... (1)

- * In July 9, 2018 the EU RL CIRAD, France confirmed positive samples for PPR taken within the framework of the surveillance carried out in the 3- and 10 km restriction zones of the PPR outbreak, recorded in Voden villiage, Boliarovo municipality, Yambol region (ADNS 2018/1)
- * The samples are related to four small ruminant holdings in three different villages, in Bolyarovo municipality, as presented on the table below:

EO *	Region	Municipality	Village	Sheep	Goats	Total number of small ruminants in the holdings	Total number of animals in the village
3	Yambol	Bolyarovo	Sharkovo	311		311	1510
4				648	16	664	
5			Krainovo	35	3	38	82
6			Strandzha	41		41	175
Total				1035	19	1054	1767

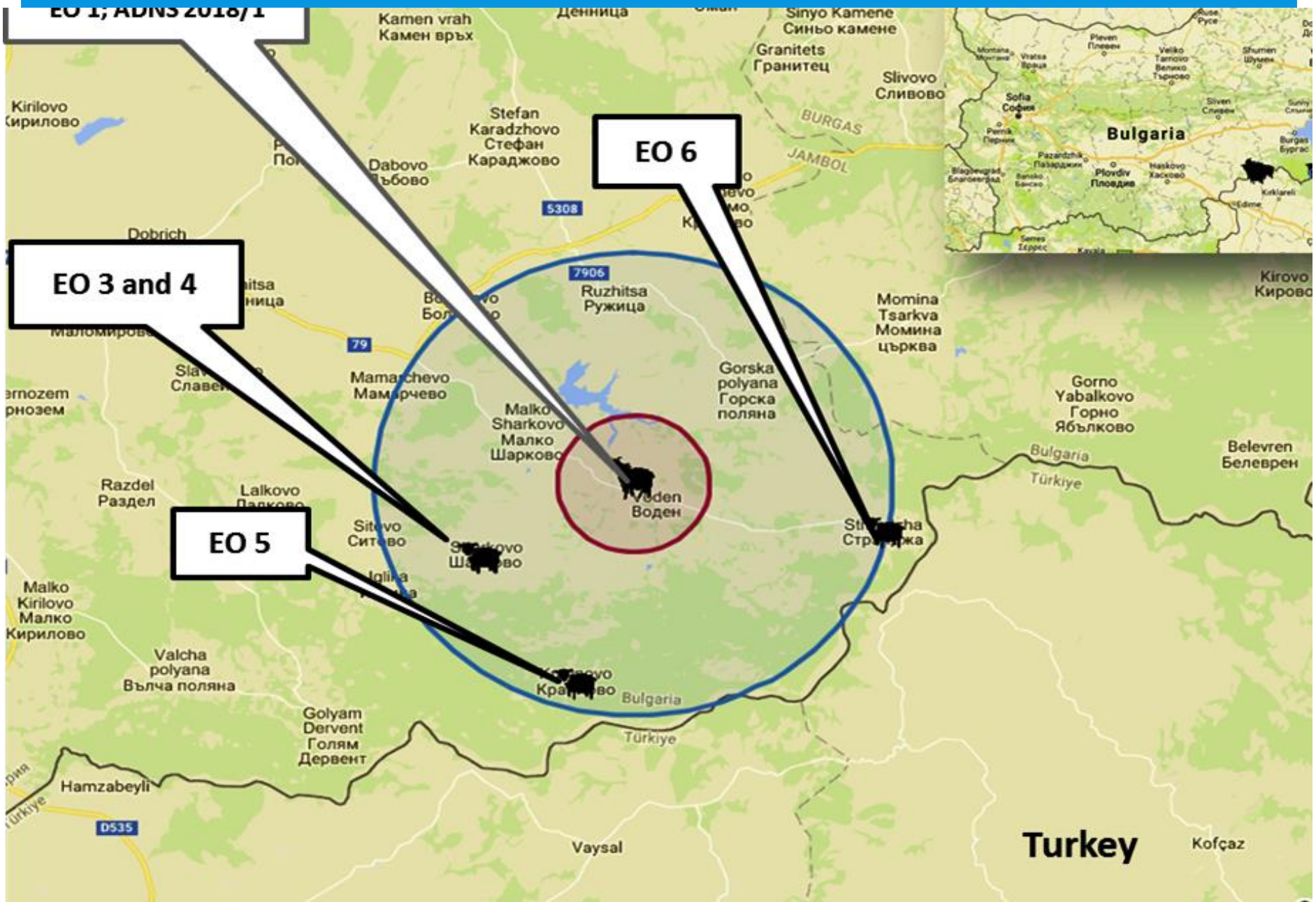
*Epizootic Outbreak

EO 1; ADINS 2018/1

EO 6

EO 3 and 4

EO 5



Turkey

Kofçaz

Further developments.... (2)

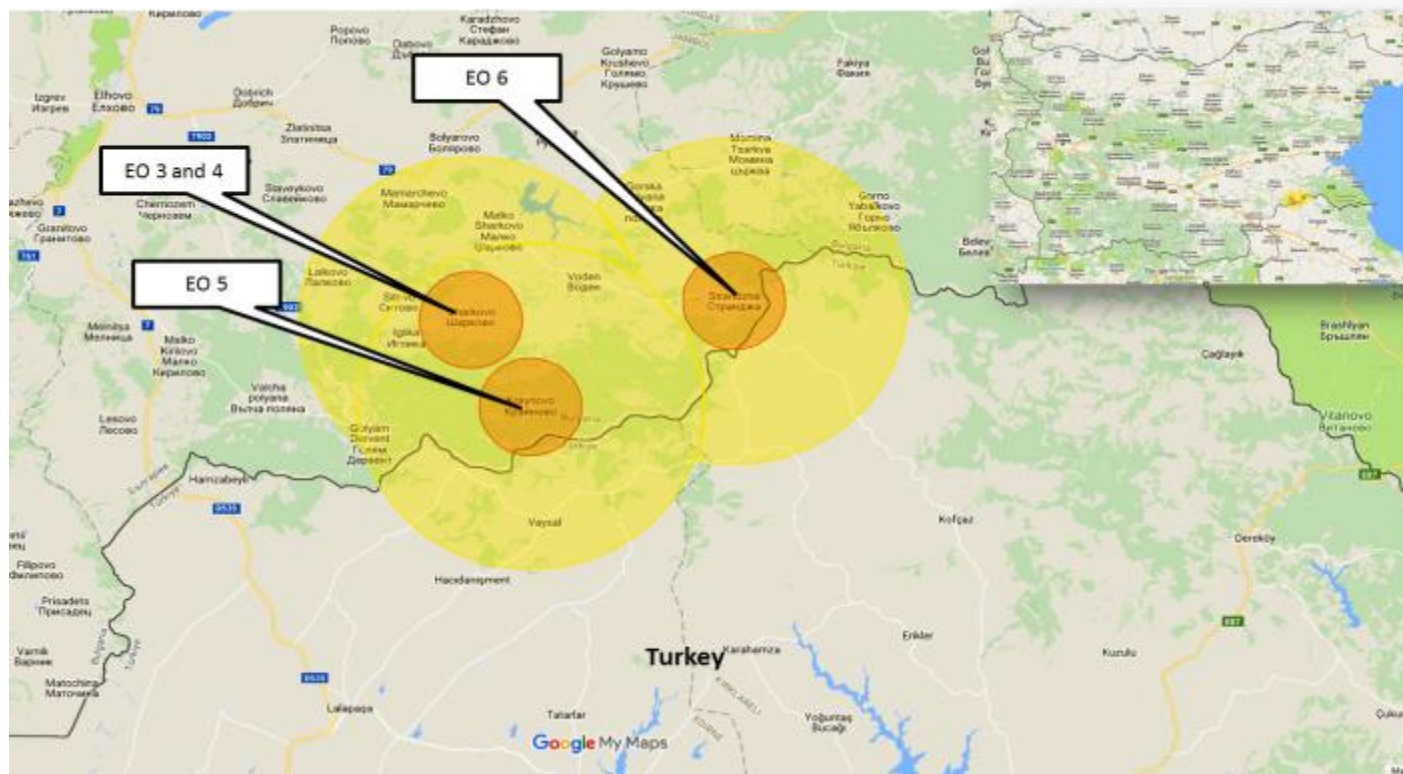
No clinical signs or suspicion was raised during the clinical examinations carried within the surveillance in question.

- * The BFSA has immediately put in force the control and eradication measures according to the provisions of Council Directive 92/119/EEC. Restriction zones (3 and 10 km surveillance and protection zones) were established :

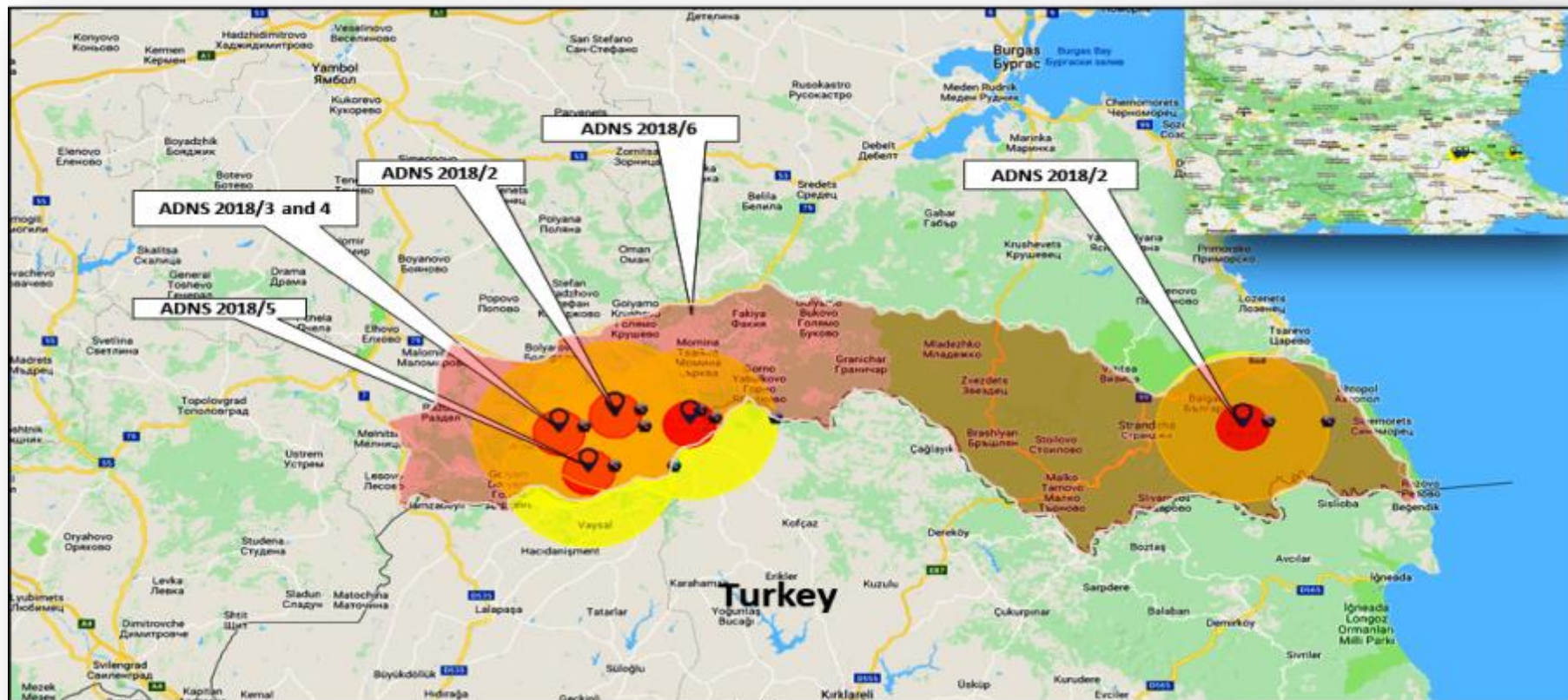
Restriction zone	EO	Region	Village	Small ruminant, n
3 km zone	3 and 4	Yambol	Sharkovo	1510
	5		Strandzha	175
	6		Krainovo	82
10 km zone*	EO 3, 4, 5 and 6	Yambol	Malko Sharkovo	76
			Mamarchevo	578
			Lalkovo	455
			Bolyarovo	1442
			Sitovo	174
			Iglika	250
			Golyam Dervent	162
		Burgas	Gorno Yabalkovo	458
			Momina Tsarkva	1873
Total				7575

Further developments.... (3)

- * One common surveillance zones has been established around the outbreaks. Organization of the process of culling and destroying of all small ruminants reared in the villages of Krainovo, Sharkovo and Strandzha has started will be finished these days.
- * Clinical and laboratory surveillance will be performed in all the villages in the newly established zones as well as all villages in the 10 km zone along the border with Turkey from Rezovo till Lesovo



- * Additionally the surveillance zone has been enlarged to cover all villages of the regions of Yambol and Burgas, located along the southern border, and where the clinical examination and sampling will take place (following detection 5% prevalence with 95% confidence) The villages are in question are as follows:
 - * villages of Razdel, Vulcha Poliana, Lesovo, Melnitsa, Golyamo Krushevo, region of Yambol;
 - * villages of Dolno Yabalkovo, Facka, Belevren, Kirovo, Trakiitsu, Golyamo Bukovo, Granitsha, Bliznak, mladezhko, Zvezdets, Evrenozovo, Brashlian, Rezovo, Ahtopol, Varvara, region of Burgas)





Animal movement restriction and ban for commodities to be placed on the market produced from small ruminants endorsed according to the provisions of CID 2018/945.

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