



RESULTS OF THE IMPLEMENTATION OF 2009 CO-FINANCED RABIES ERADICATION PROGRAMME IN BULGARIA





Legislative framework

- Law on Veterinary Activities;
- Ordinance No. 23 (of 17.05.2002) on prophylaxis and control of rabies in animals;
- Order No. RD 09-39 (of 20.01.2009) of the Minister of Agriculture and Food approving the national Programme for Control and Eradication of Rabies on the territory of Republic of Bulgaria in 2009;
- Order No. RD 11-389 (of 24.04.2009) of the Director-the National Veterinary Service (NVS) establishing a Central Operational Centre and regional operational centres to organise and control the implementation of the Programme for oral vaccination of foxes against rabies (representatives from RVS, regional services of MH, MOEW, Hunters' association, NFA, municipalities).

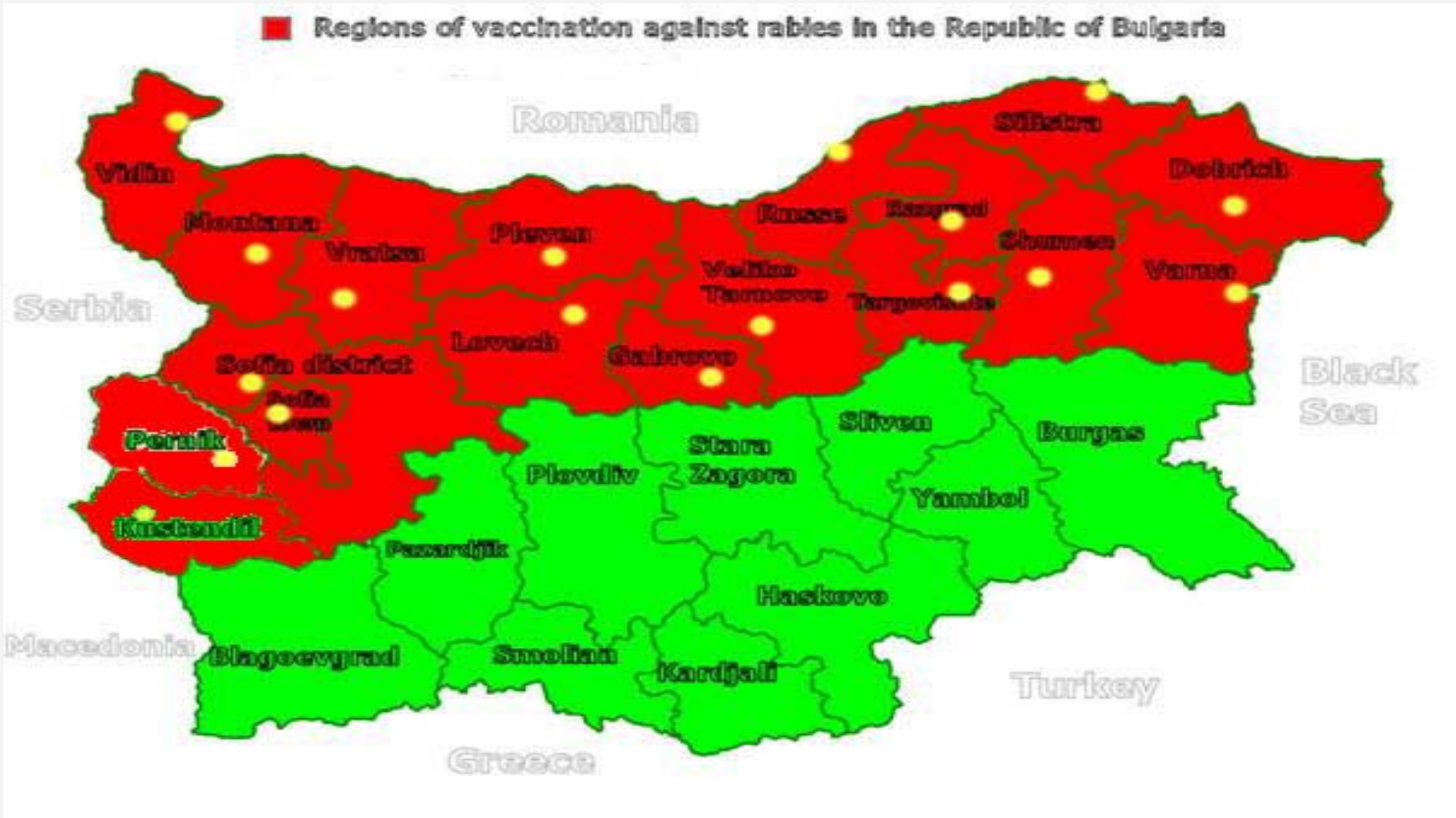


Spreading of the disease from North to South part of the country since 2007





Vaccination -2009





Description of the programme

- Objective : eradication of rabies on the territory of Republic of Bulgaria;
- Achievement: Oral vaccination of foxes on the territory of North and North-west Bulgaria, where rabies cases have been registered;
- Part of 5-7 year duration programme (at least 2 years after the last positive case)
- 2 vaccination campaigns per year
 - spring (Mart -May)
 - and
 - autumn (September –November)
- The only possible ‘doors’ left for introduction of rabies will be the land borders with Romania (in North-east Bulgaria) and the land borders with Serbia (the utmost North-west areas of the country). These areas will have to be covered with vaccination within a 30-kilometers protection area /strip/ even after the 5-year period envisaged for this programme.



Community Co-financing in 2009

- Implementation of Commission Decision 2008/940/EC and approval of the Rabies eradication programme for 2009 under Commission Decision No. 2008/897/EC)



- Maximum amount of the Community financial contribution: 1 100 000,00 €



Vaccination in 2009

- First vaccination - the time-period between 27. 04 and 26.05.2009; by 4 /four/ aircrafts (of AN-2 type) and 4 /four/ aircrafts (of Chesna type);
- Second vaccination - the time-period between 21.10 and 14.11 2009; by 6 /four/ aircrafts (of AN-2 type) and a helicopter;
- LISVULPEN vaccine type in dose of 20 pieces (vaccination bites with live vaccine) per 1 square kilometre covering the territory of 18 /eighteen/ administrative districts (**55 037 km2 total area**). Total number of the **baits** distributed in 2009 within the two vaccination campaigns is **2 201 480**;
- Vaccination bites have been kept and stored at temperature of -20°C in two central warehouses. The daily batches have been transported by a refrigerated truck onto the various aircraft fields used for the daily flight operations;
- Controlling of daily basis of the vaccination flight operations by experts from the NVS Central Office and by the “Animal Health” Department Chiefs at regional /administrative district/ level, Each single such operation has been documented in individual protocols /evidence acts/.

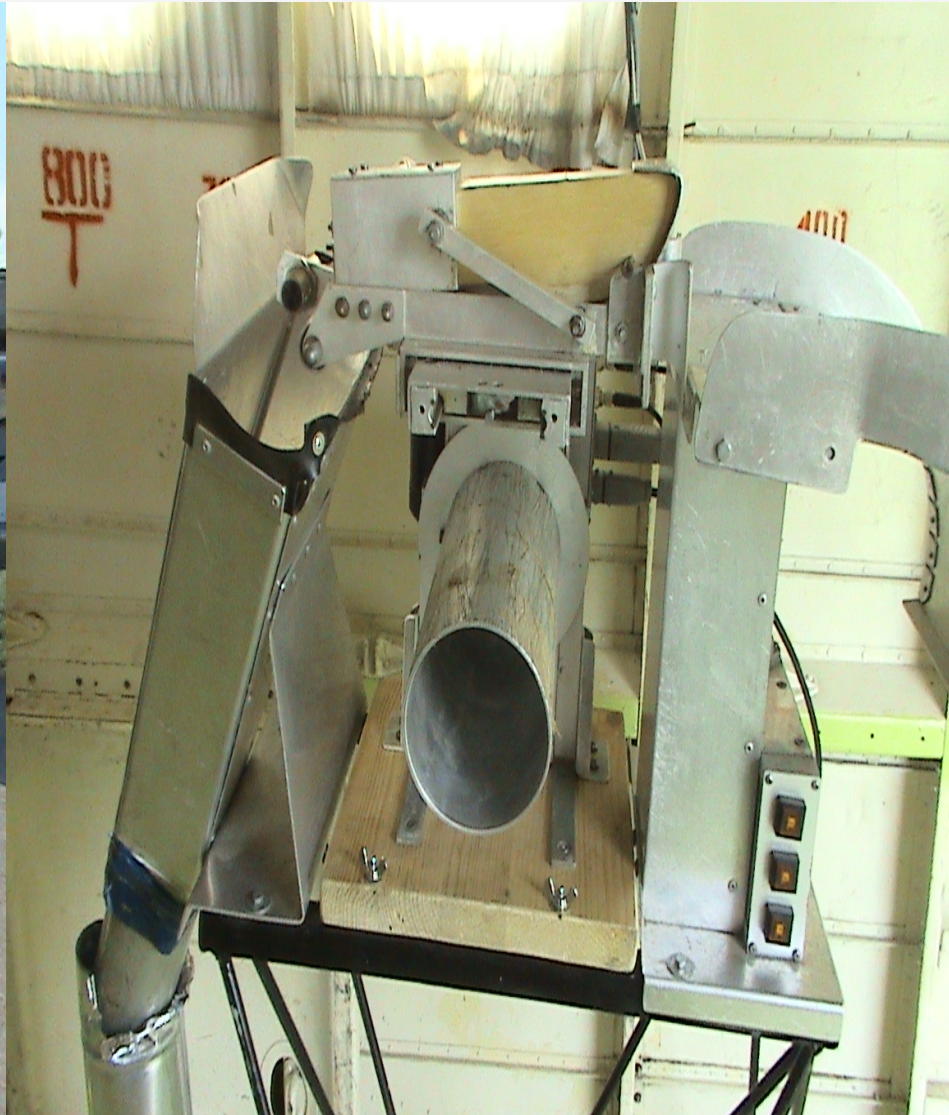


Geographical distribution of the baits for per vaccination campaign

Region	area/ km2	baits /piece/
Sofia-city	965	19300
Sofia district	6677	133540
Pernik	1647	32940
Kyustendil	2704	54080
Vidin	2653	53060
Montana	3255	65100
Vraca	3240	64800
Veliko Turnovo	4282	85640
Gabrovo	1643	32860
Lovech	3749	74980
Pleven	3950	79000
Dobrich	4340	86800
Silistra	2466	49320
Ruse	2423	48460
Razgrad	2257	45140
Tyrgovishte	2336	46720
Varna	3440	68800
Shumen	3010	60200
Total	55037	1100740



Plane distribution of the vaccine baits

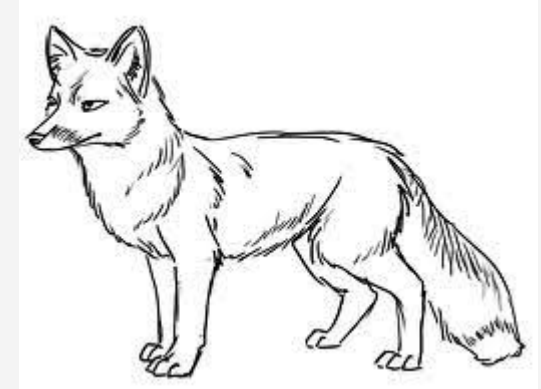




Laboratory control after performing of the vaccination in 2009

Laboratory control after vaccination:

- Identifying the presence of tetracycline into the teeth /dentin/
- Identifying the presence of Ab against Rabies Vir.
- Identifying the presence of Vi.





417 foxes tested in the frame of the programme by **Direct immune-fluorescent** (7 foxes of them are positive for Vi);

Year 2009 /2 vaccination campaigns/	Total samples / Number of fox/	Positive
ELISA Ab	235	40
Identifying tetracycline marker test (ITMT)	300	39



FINANCIAL REPORT AND PAYMENT APPLICATION in 2009

ELIGIBLE EXPENSES IN EUR						
Regions	Number of tests	Cost of tests	Nr. of vaccine doses	Total cost of vaccination	Total costs (100%)	EU Financial contribution (50%)
ALL REGIONS	952	18 154,54	2 201 480	2 141 372,24	2 159 526,78	1 079 763,39
TOTAL	952	18 154,54	2 201 480	2 141 372,24	2 159 526,78	1 079 763,39



THE END!

NATIONAL VETERINARY SERVICE OF BULGARIA

ANIMAL HEALTH DIRECTORATE

tel: +359 2915 98 42

e-mail: p_kam@nyms.government.bg