



**THE RESULTS OF  
THE IMPLEMENTATION OF  
THE RABIES CO - FINANCED ERADICATION  
PROGRAMME  
IN THE SLOVAK REPUBLIC  
IN 2014**

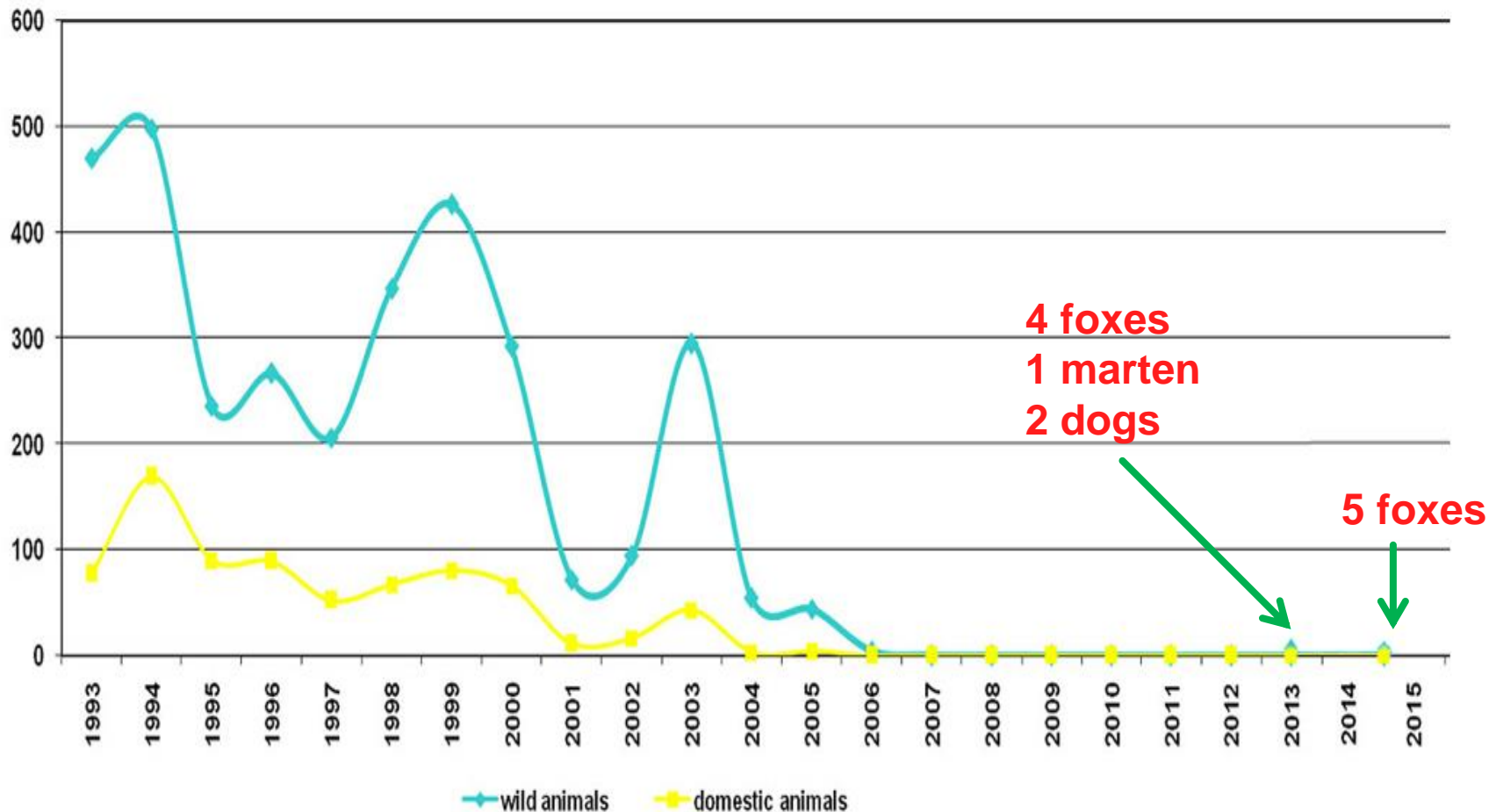
*Jozef Bires, Chief Veterinary Officer*

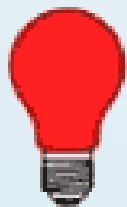


**State Veterinary and Food Administration of the Slovak  
Republic**

**SCoPAFF, Brussels, September 2015**

# The Number of Positive Cases of Wild and Domestic Animals from 1993 to 09/2015 in Slovak Republic





# *Main goals eradication programme- 2014*

- To maintain the favourable epidemiological situation (no positive laboratory result was found)
- To continue with the protection of the territory of Slovakia from introduction of disease (especially across the border with Ukraine and Poland)



# ***NATIONAL PROGRAMME of rabies eradication in the Slovak Republic***

## **I N C L U D E S**



- ✓ legal basis of the programme
- ✓ definition of some terms
- ✓ instruction on the disease
- ✓ diagnostics
- ✓ system of disease notification
- ✓ control mechanisms
- ✓ control of movement of animals of susceptible species
- ✓ compensation of eradication programme
- ✓ measures at the disease occurrence
- ✓ vaccination programme



# Data on animals – year 2014

## Wildlife red fox

Region	Total number of animals	Number of animals to be tested under the programme	Number of animals tested	Number of positive animals
<b>Slovak Republic</b>	<b>29 000 – 32 000</b>	<b>1 398</b>	<b>1 664</b>	<b>1 (confirmation January 2015)</b>





# Laboratory evaluation of the situation in the Slovak Republic in 2014

<b>Disease/species</b>	<b>Test</b>	<b>Type of sample</b>	<b>Type of test</b>	<b>Number of tests performed</b>
<b>Rabies/wildlife red fox/raccoon dog</b>	<b>Virological analysis</b>	<b>brain</b>	<b>FAT</b>	<b>1 398</b>
<b>Rabies/wildlife red fox</b>	<b>Serological analysis</b>	<b>blood</b>	<b>ELISA</b>	<b>484</b>
<b>Rabies/wildlife red fox</b>	<b>Imuno-fluorescence (TTC marker detection)</b>	<b>Bone (mandibula)</b>	<b>Fluorescence test (TTC)</b>	<b>484</b>

Year	Wild animals				Domestic animals				The total number of animals	
	Red fox		Other		Dogs and cats		Other			
	Posit	Negat	Posit	Negat	Posit	Negat	Posit	Negat	Posit	Negat
2014	0	1396	0	32	0	226	0	10	0	1664
2013	4	3 587	1	64	2	263	0	6	7	3934
2012	0	3 369	0	44	0	242	0	13	0	3668
2011	0	3 264	0	60	0	279	0	20	0	3623
2010	0	2 922	0	42	0	323	0	16	0	3303
2009	0	3 203	0	86	0	391	0	28	0	3708
2008	0	3 422	0	77	0	484	0	25	0	4008
2007	0	3 751	0	86	0	445	0	31	0	4313
2006	1	3 630	0	105	0	485	0	21	1	4243
2005	44	1 767	2	126	4	654	0	42	50	2689
2004	54	1 563	6	109	3	660	1	50	64	2510
2003	295	1 791	13	159	43	676	3	72	354	3406
2002	94	1 452	3	130	16	713	1	80	114	2603
2001	72	1 027	4	116	11	674	0	62	87	2053
2000	292	1 416	13	164	66	793	4	69	375	3192
<b>Total</b>	856	37 560	42	1 400	145	7 308	9	545	1 052	48917



# Oral vaccination of foxes in 2014 in the Slovak Republic

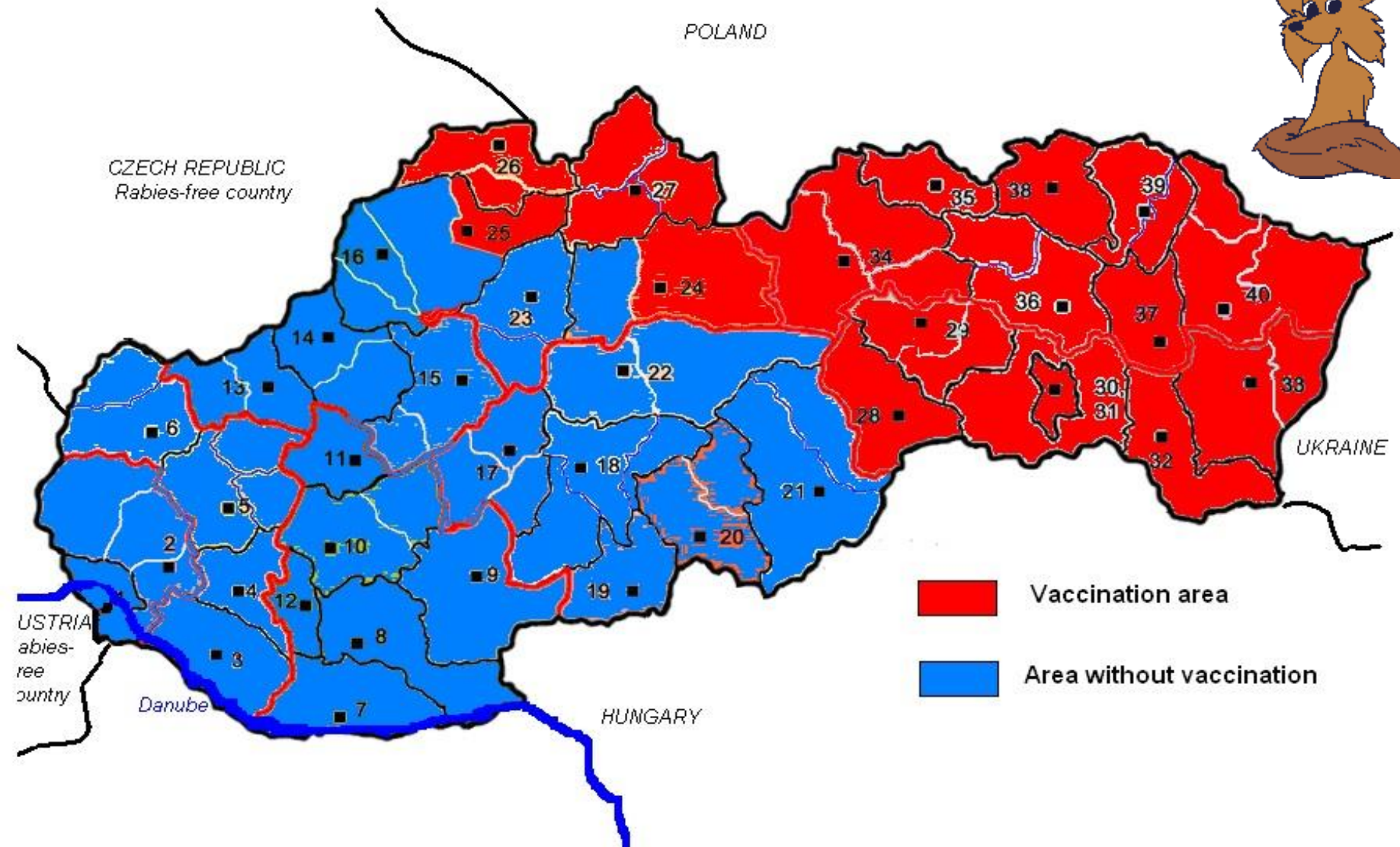


- Lyssvulpen por a.u.v., Bioveta a.s., CZ, - modified, attenuated rabies virus SAD Bern (+ TTC as indicator) given to bait
- **SPRING:**
- spread by plane - in area of approx. 12,000 km<sup>2</sup>, total 300,000 baits, 25 baits/1km<sup>2</sup>
- spread by hand - in area of approx. 208 km<sup>2</sup>, near the towns, total 3,750 baits, 18 baits/1km<sup>2</sup>
- **AUTUMN**
- spread by plane - in area of approx. 12,000 km<sup>2</sup>, total 300,000 baits, 25 baits/1km<sup>2</sup>
- spread by hand - in area of approx. 208 km<sup>2</sup>, near the towns, total 3,750 baits, 18 baits/1km<sup>2</sup>





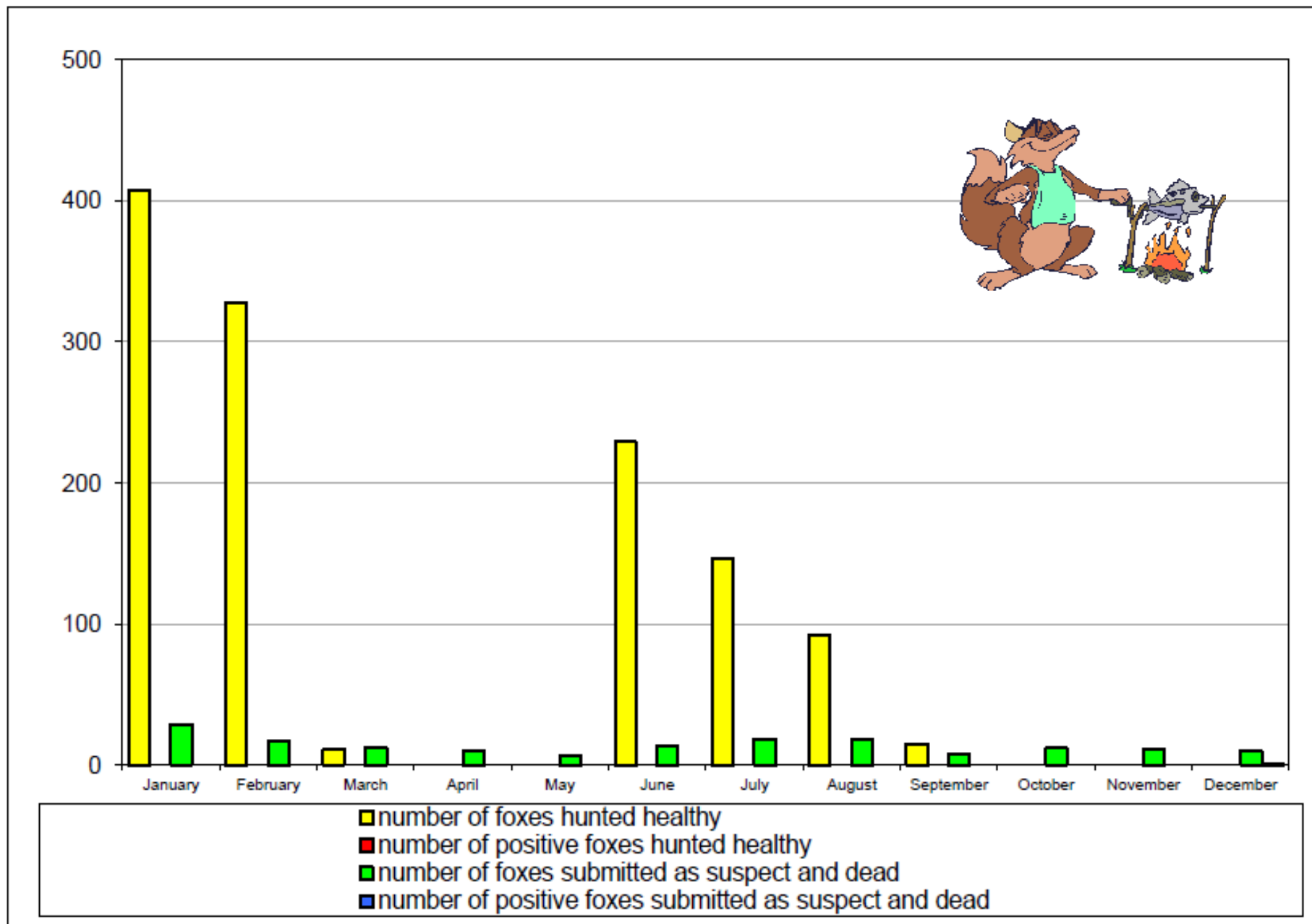
# Distribution of vaccine baits for oral vaccination of fox population in the Slovak Republic in the year 2014



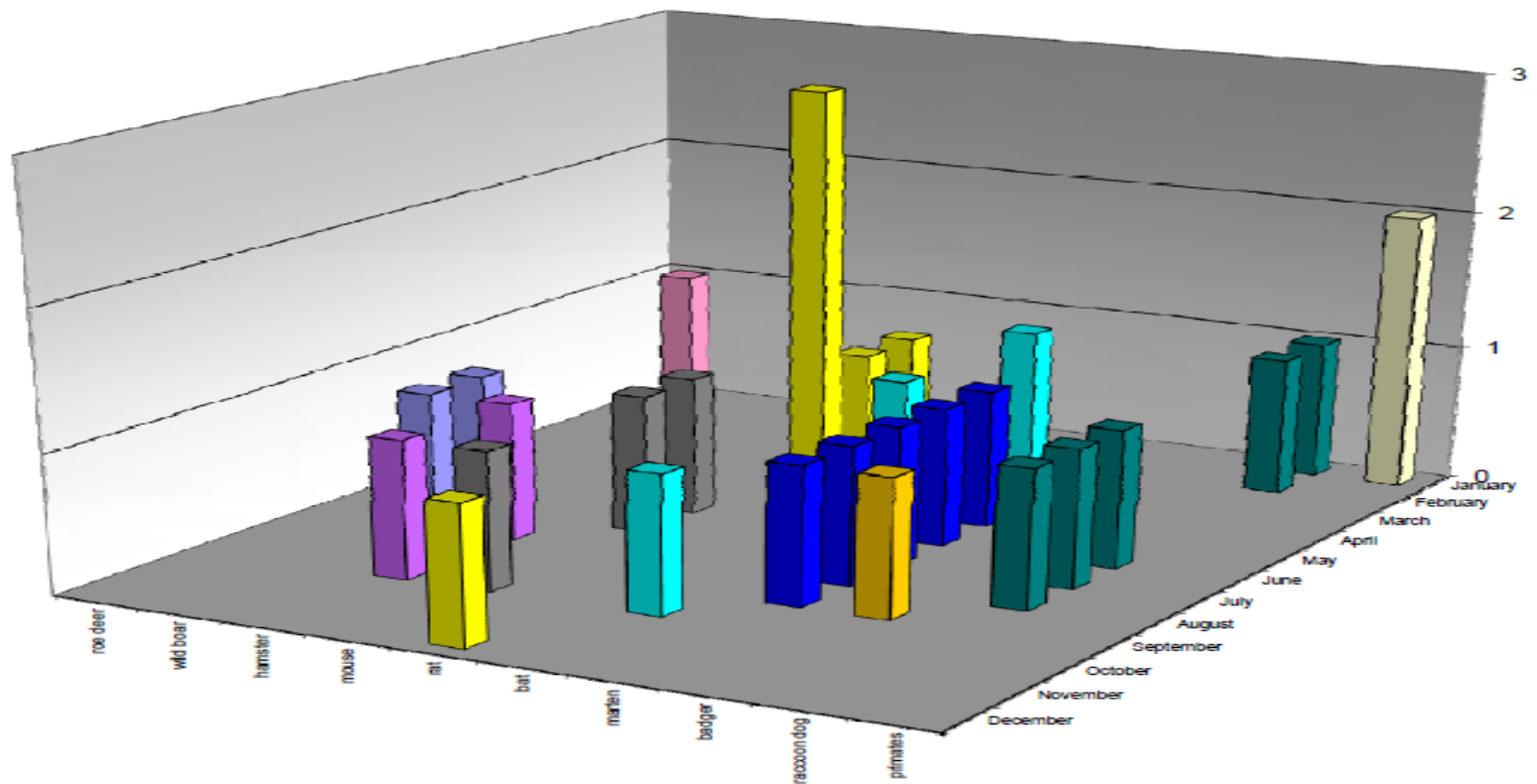
YEAR	Oral vaccination of foxes spring campaign	Oral vaccination of foxes autumn campaign
2000	688.180 baits SAD Bern	335.000 baits SAD Bern 353.480 baits SAD Vnukovo 32/107
2001	280.000 baits SAD Bern 487.180 baits SAD Vnukovo 32/107	298.120 baits SAD Bern 503.268 baits SAD Vnukovo 32/107
2002	298.120 baits SAD Bern 503.268 baits SAD Vnukovo 32/107	798.600 baits SAD VA-1
2003	300.000 baits SAD Bern 399.950 baits SAD VA-1	727.400 baits SAD Bern
2004	876.000 baits SAD Bern	868.500 baits SAD Bern
2005	856.900 baits SAD Bern	856.900 baits SAD Bern
2006	856.900 baits SAD Bern	856.900 baits SAD Bern
2007	856.900 baits SAD Bern	856.900 baits SAD Bern
2008	856.900 baits SAD Bern	856.900 baits SAD Bern
2009	856.900 baits SAD Bern	622.340 baits SAD Bern
2010	622.340 baits SAD Bern	622.340 baits SAD Bern
2011	328. 850 baits SAD Bern	328. 850 baits SAD Bern
2012	328. 850 baits SAD Bern	328. 850 baits SAD Bern
2013	303. 750 baits SAD Bern	303. 750 baits SAD Bern
<b>2014</b>	<b>303. 750 baits SAD Bern</b>	<b>303. 750 baits SAD Bern</b>



# Foxes submitted for Rabies investigation in Slovakia during 2014

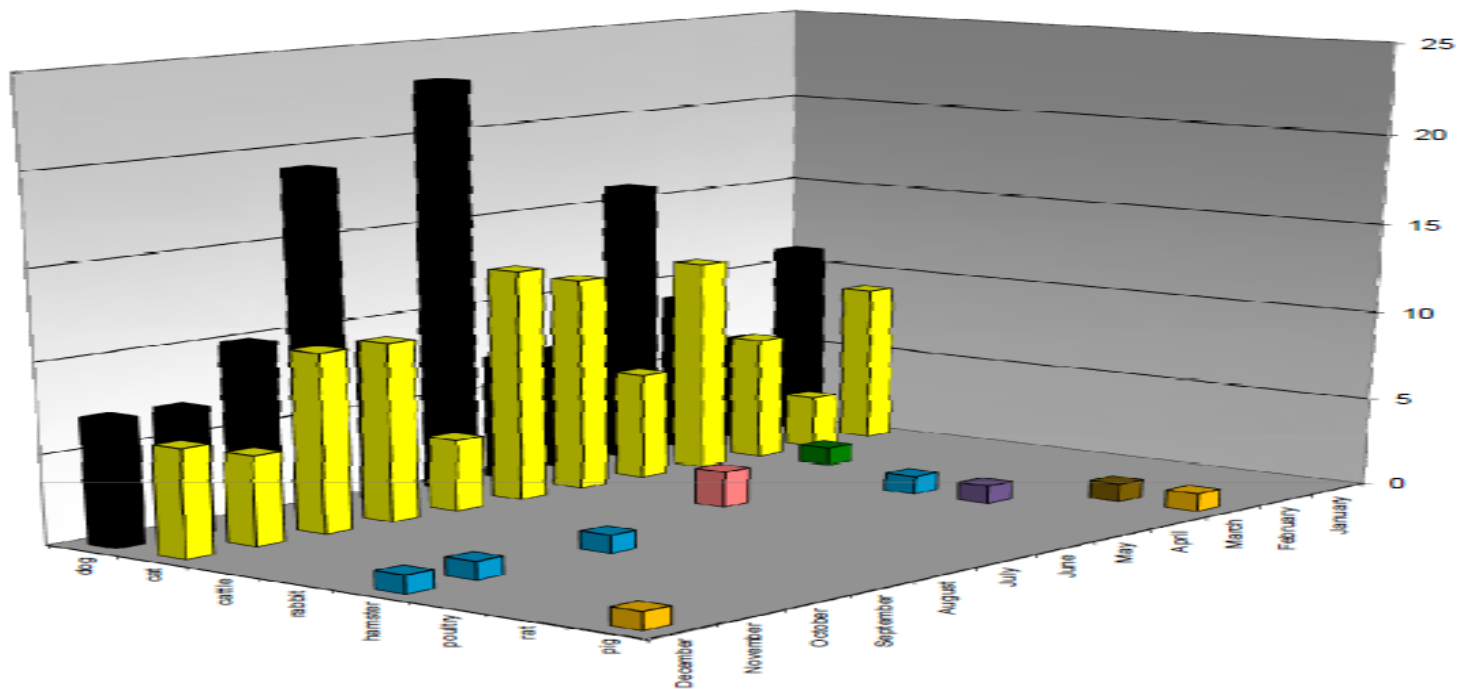


## Wildlife animals (without foxes) submitted for Rabies investigation in Slovakia during 2014



animal	January	February	March	April	May	June	July	August	September	October	November	December	Total
roe deer	1												1
wild boar							1	1					2
hamster								1		1			2
mouse						1	1			1			3
rat			1	1	3							1	6
bat		1			1					1			3
marten					1	1	1	1	1				5
badger									1				1
raccoon dog	1	1				1	1	1					5
primates	2												2
total	4	2	1	1	5	3	4	4	2	3	0	1	30

**Domestic animals submitted for Rabies investigation in Slovakia during 2014**



animal	January	February	March	April	May	June	July	August	September	October	November	December	total
dog	11	6	9	16	7	7	23	9	19	10	7	7	131
cat	9	3	7	12	6	12	13	4	10	10	5	6	97
cattle			1										1
rabbit						2							2
hamster				1					1		1	1	4
poultry				1									1
rat			1										1
pig			1									1	2
<b>total</b>	<b>20</b>	<b>9</b>	<b>19</b>	<b>30</b>	<b>13</b>	<b>21</b>	<b>36</b>	<b>13</b>	<b>30</b>	<b>20</b>	<b>13</b>	<b>15</b>	<b>239</b>

# Financial provision of programme with financial contribution from the EC

- financial contribution from the EC for the eradication, control and monitoring representing 75% of costs intended for
  - cost of vaccine doses and baits (per dose)
  - cost of vaccine distribution (per dose)
  - **laboratory diagnostics – ELISA test, test to detect tetracycline in bone, FAT test,**
  - fixed payment tariff – 7.95 EUR for delivered sample



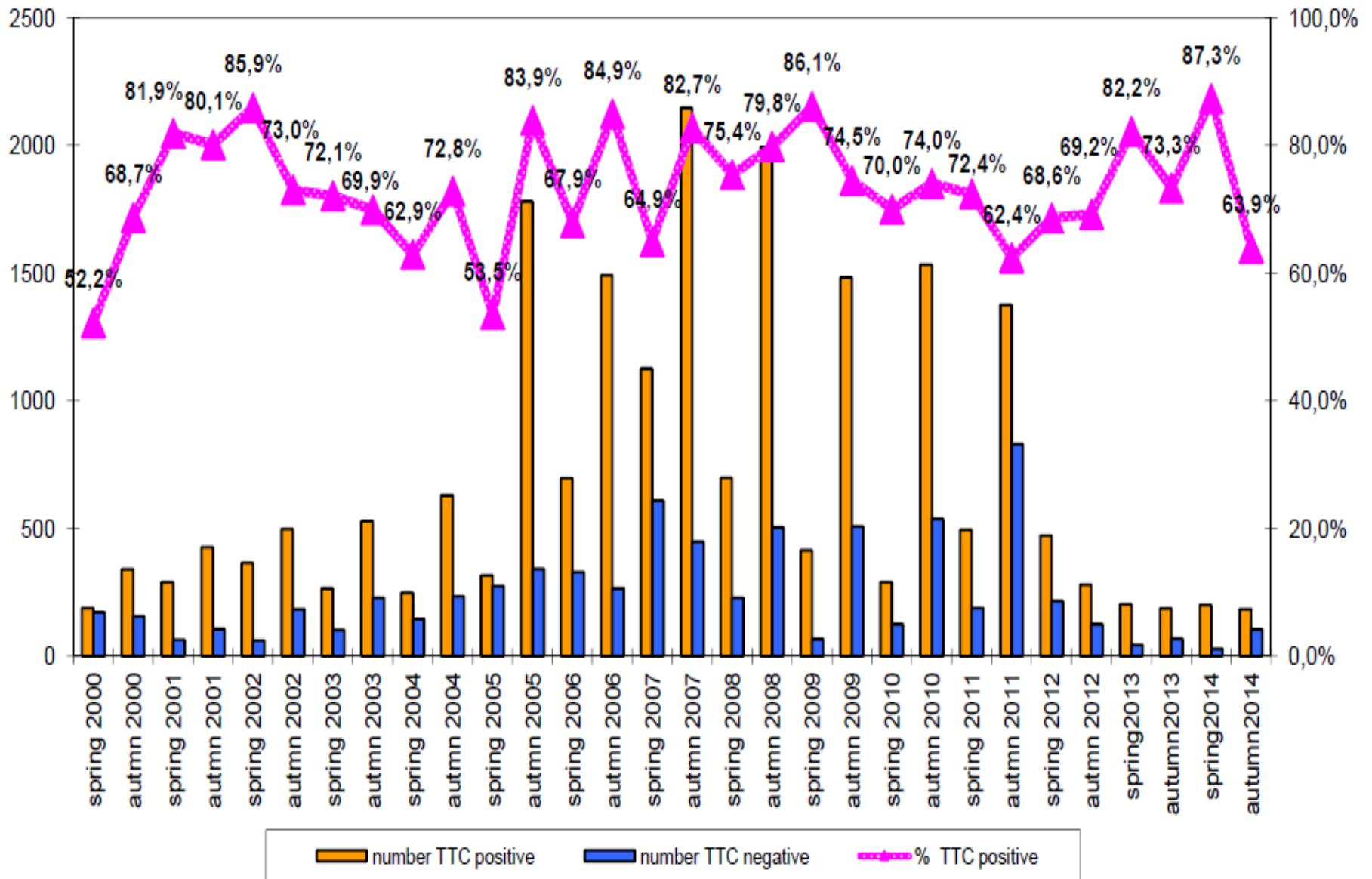
# Final Financial Report in Slovak Republic in 2014 – measures eligible for Rabies co-financed eradication program



<b>Region</b>	<b>Vaccines and distribution (EUR)</b>	<b>Laboratory analysis (EUR)</b>	<b>Sampling</b>	<b>Total Costs (EUR)</b>
<b>Slovak Republic</b>	<b>232 610.63</b>	<b>21 582.26</b>	<b>4 444.05</b>	<b>258 636.93</b>

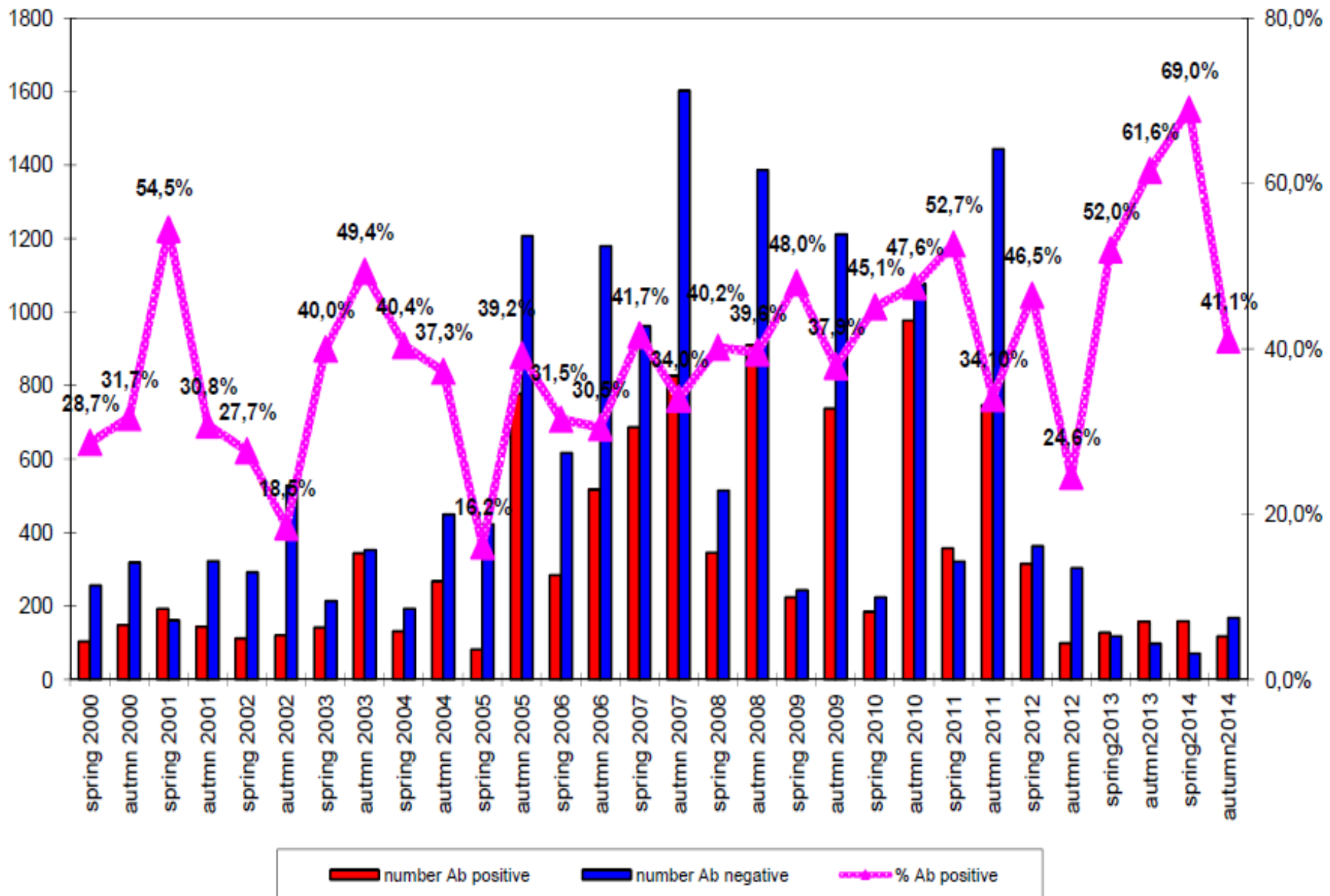


### TTC detection from 2000 - 2014

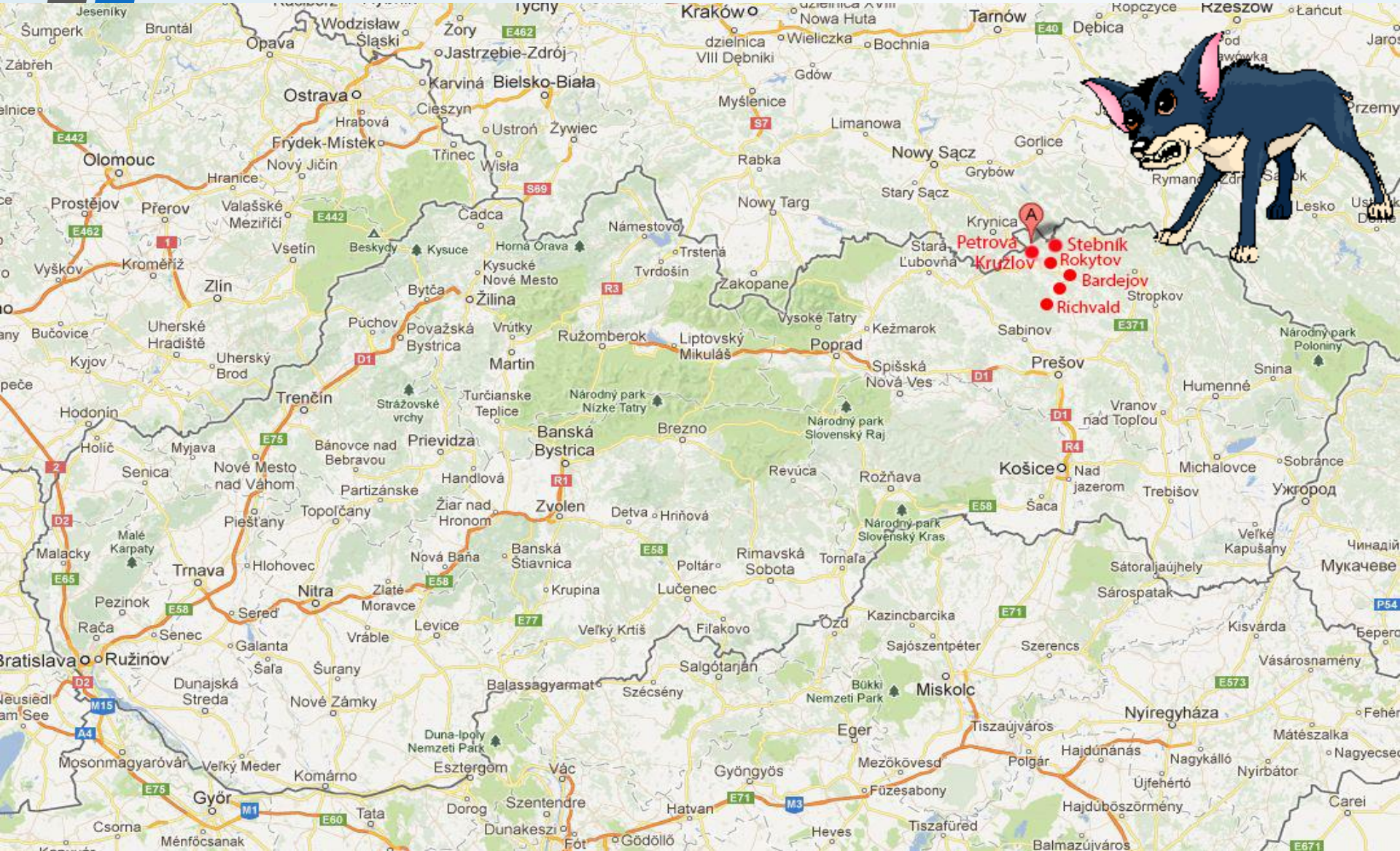




Antibody detection from 2000 - 2014



# SK rabies cases 2013- localisation



# ***Conclusions I***

**Following changed epizootological situation in the territory close to PL border SK ( started in January 2013) veterinary authority has updated eradication programme for the following period**

**Next steps: SK will continue with:**

- **Oral vaccination of foxes**
- **Vaccination of domestic carnivoras**
- **Surveillance and monitoring programme ( whole country , special focused on the high risk area close to the PL and Ukraine border)**



## Conclusions II



- **Cooperation and exchange of views between SK and PL experts (neighbouring countries)**
- **Enhancement of the awareness of the citizens regarding rabies, its characteristics**
- **as well as their obligation to report suspected cases ( newspaper, TV, radio, internet, posters)**
- **Cooperation and meetings of the official veterinary authorities with the hunters and hunting organisations (especially in the high risk area)**

# **SK rabies situation – update (7.9.2015)**

- **5 January 2015** - The case **confirmed** on the territory of the Slovak Republic - perished wild red fox found in the area of Plaveč village ( district Stará Ľubovňa, north part of the Slovak territory, very close to the SK /PL border)
- **26 June 2015** - The case **confirmed** on the territory of the Slovak Republic - wild red fox shot to death in the area of Veľký Lipník village ( district Stará Ľubovňa, north part of the Slovak territory, very close to the SK /PL border)

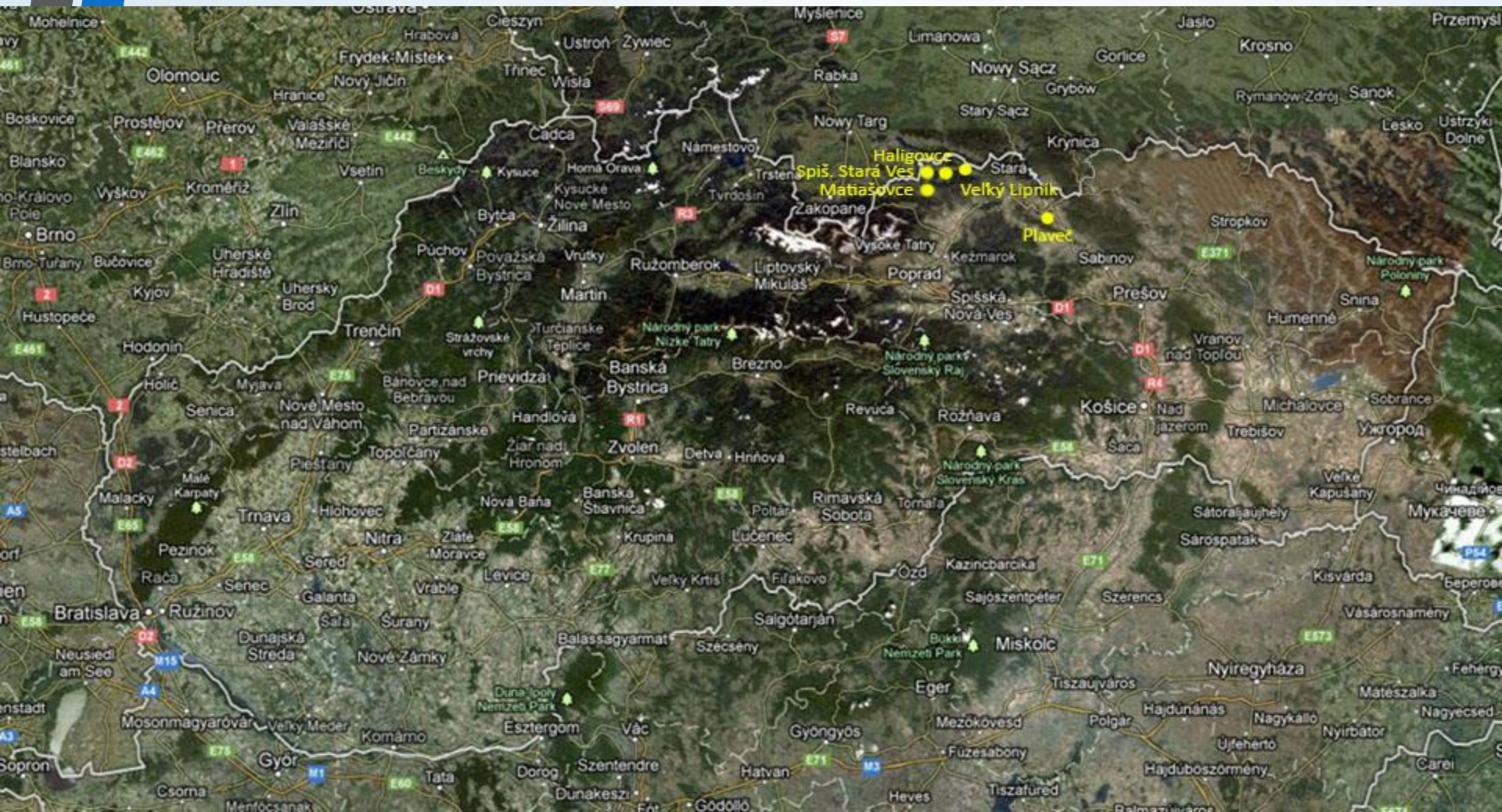
# SK rabies situation – 7.9.2015

- **16 July 2015** - The case **confirmed** on the territory of the Slovak Republic - wild red fox killed by three dogs in the area village Spišská Stará Ves ( district Poprad, north part of the slovak territory, very close to the SK /PL border)
- **19 August 2015** - The case **confirmed** on the territory of the Slovak Republic - wild red fox shot to death in the area village Matiašovce ( district Poprad, north part of the slovak territory, very close to the SK /PL border)
- **2 September 2015** - The case **confirmed** on the territory of the Slovak Republic - wild red fox killed in the area village Haligovce ( district Stará Ľubovňa, north part of the slovak territory, very close to the SK /PL border)

# **SK rabies cases 2015- further information**

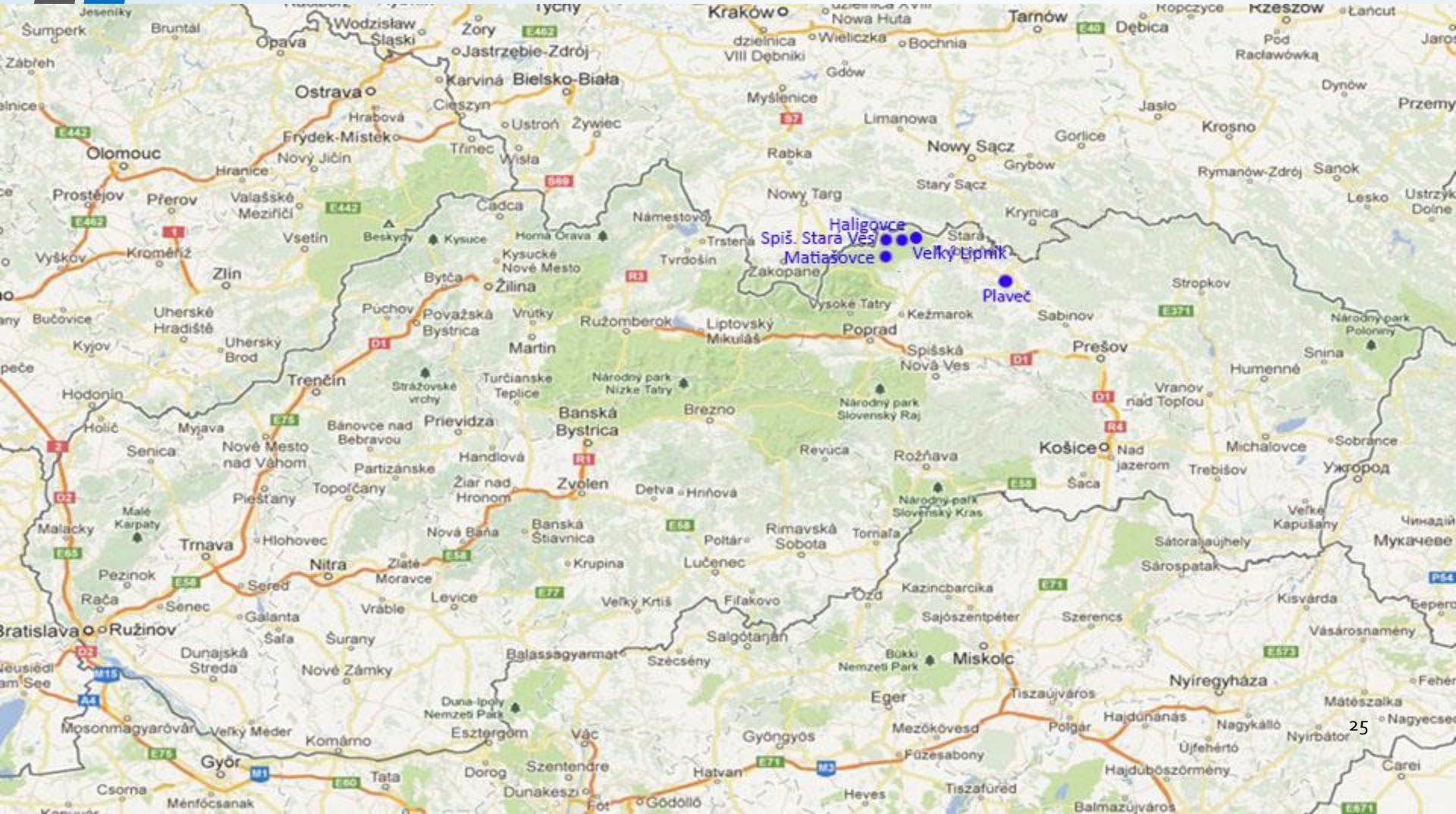
- **Cases have been reported to the OIE as well as via ADNS report**
- **Measures adopted by DVFA Stara Ľubovňa and Poprad (on the spot) according to the law on veterinary care valid in the Slovak Republic as well as National programme of rabies eradication in the Slovak Republic for year 2015**
- **Oral vaccination of foxes - spring campaign performed from 13 to 24 of April 2015**

# Rabies cases - SK - 2015





# Rabies cases- SK - 2015





Thank you for your  
attention