



**THE RESULTS OF
THE IMPLEMENTATION OF
THE RABIES CO - FINANCED ERADICATION
PROGRAMME
IN THE SLOVAK REPUBLIC
IN 2018**

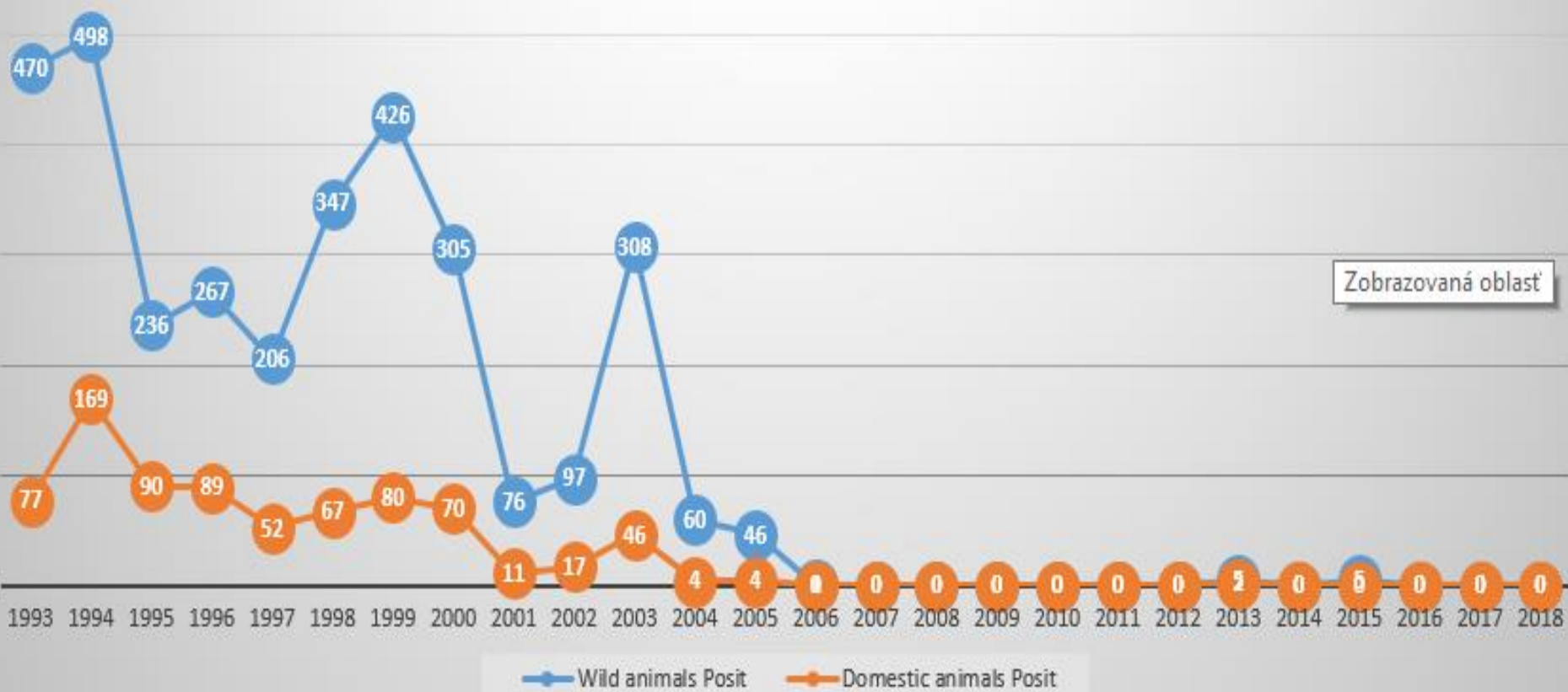


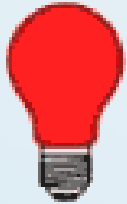
**State Veterinary and Food Administration of
the Slovak republic**

PAFF Committee, Brussels, October 2019



The Number of Positive Cases of Wild and Domestic Animals from 1993 to 2018 in Slovak Republic





Main goals - 2018

- The objective of the programme is early detection of rabies occurrence and prevention of new cases incidence within the Slovak Republic.
- To continue with the protection of the territory of Slovakia for introduction of disease (especially across the border with Ukraine and Poland)



Legal framework

- **Act No. 39/2007 Coll. on veterinary care (basic and most important)**

- **In connection with the rabies eradication programme were in place - Grant Decision-SANTE/VP/2018/SK/Sl2.774148**

- **National Program of Eradication of Rabies in the Slovak Republic in 2018 (updated on yearly basis taking into account the disease situation)**

- **Methodical Instructions of Oral Vaccination of Foxes in 2018 in the Slovak Republic**



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
- ✓ movement of animals of susceptible species
- ✓ compensation at eradication
- ✓ measures at the disease occurrence
- ✓ vaccination programme



Data on animals – year 2018



Region	Total number of animals	Number of animals to be tested under the programme	Number of positive animals
Slovak Republic 	Foxes Cca 35 000-39 000	699	0
Slovak Republic	Racoon dogs Cca 1895	8	0
Slovak Republic	Other animals	191	0



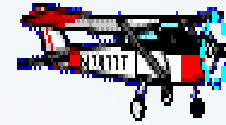
Technical evaluation of the situation in the Slovak Republic in 2018

Disease/species	Test	Type of sample	Type of test	Number of tests performed
Rabies/wildlife red fox/raccoon dog	Virological analysis	brain	FAT	699/8
Rabies/wildlife red fox/raccoon dog	Serological analysis	blood	ELISA	484/7
Rabies/wildlife red fox/raccoon dog	Imunofluorescence (TTC marker detection)	Bone (mandibula)	Fluorescence test (TTC)	485/7

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
2019*	0	555	0	29	0	108	0	8	0	700
2018	0	699	0	42	0	151	0	6	0	898
2017	0	1 743	0	61	0	163	0	8	0	1 975
2016	0	1 716	0	51	0	172	0	7	0	1 946
2015	5	1 874	0	33	0	217	0	9	5	2 133
2014	0	1 396	0	32	0	226	0	10	0	1 664
2013	4	3 535	1	45	2	213	0	4	7	3 797
2012	0	3 369	0	44	0	242	0	13	0	3 668
2011	0	3 264	0	60	0	279	0	20	0	3 623
2010	0	2 922	0	42	0	323	0	16	0	3 303
2009	0	3 203	0	86	0	391	0	28	0	3 708
2008	0	3 422	0	77	0	484	0	25	0	4 008
2007	0	3 751	0	86	0	445	0	31	0	4 313
2006	1	3 630	0	105	0	485	0	21	1	4 241
2005	44	1 767	2	126	4	654	0	42	50	2 589
2004	54	1 563	6	109	3	660	1	50	64	2 382
2003	295	1 791	13	159	43	676	3	72	354	2 698
2002	94	1 452	3	130	16	713	1	80	114	2 375
2001	72	1 027	4	116	11	674	0	62	87	1 879
2000	292	1 416	13	164	66	793	4	69	375	2 442
Total	861	44 095	42	1 597	145	8 069	9	581	1 057	54342

2019* data are valid up to 30.09.2019

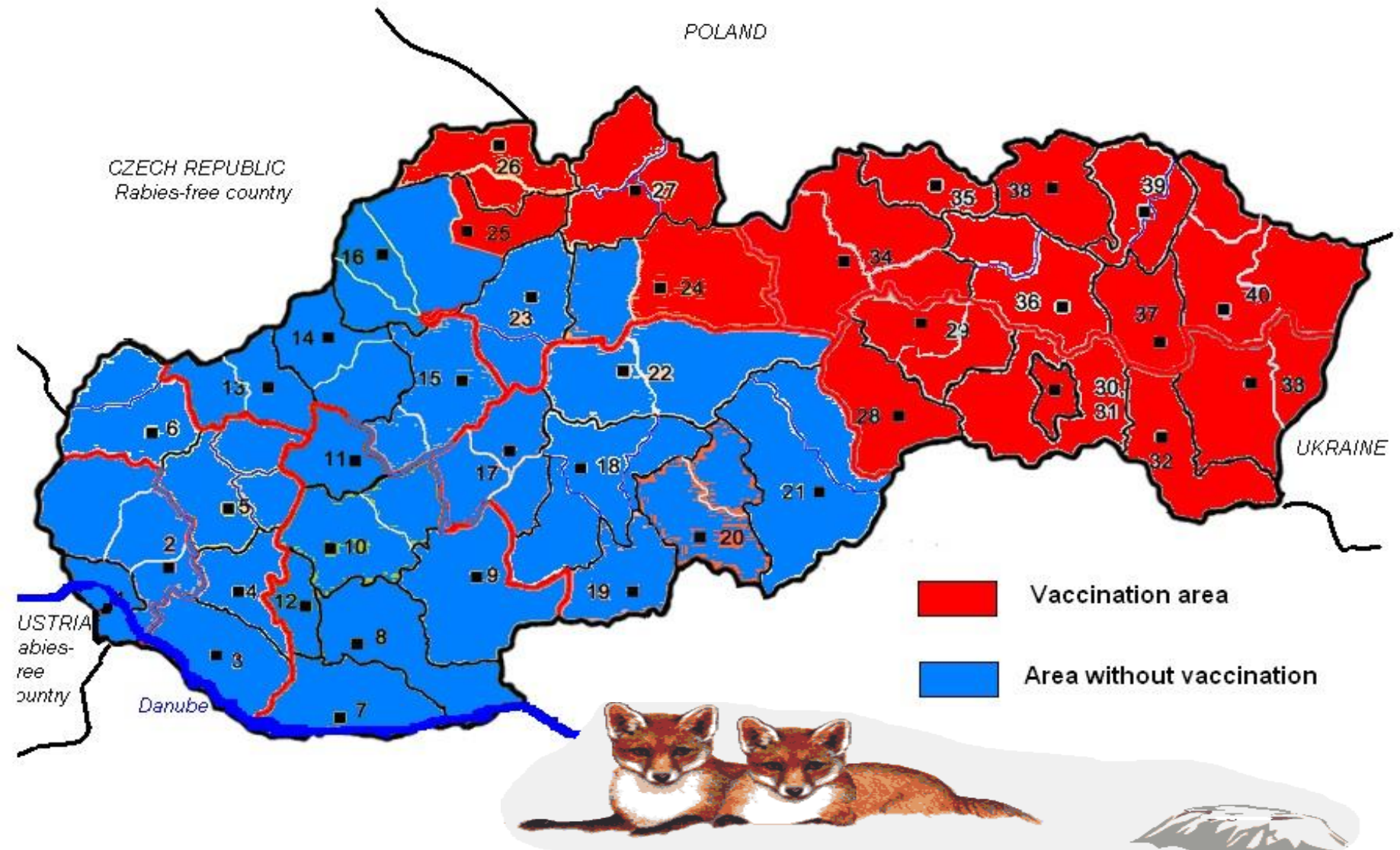
Oral vaccination of foxes in 2018 in the Slovak Republic



- Lyssvulpen por a.u.v., Bioveta a.s., CZ, - modified, attenuated rabies virus SAD Bern (+ TTC as indicator) given to bait
- **SPRING:**
- spread by plain - in area approx. 12 500 km², total 312 500 baits, 25 baits/1km²
- spread by hand – in area approx. 208 km², near the towns total 3900 baits, 18 baits/1km²
- **AUTUMN**
- in two seasonal campaigns i.e.
- spread by plain - in area approx. 12 500 km², total 312 500 baits, 25 baits/1km²
- spread by hand – in area approx. 208 km², near the towns, total 3 900 baits, 18 baits/1km²



Distribution of vaccine baits for oral vaccination of fox population in the Slovak republic in the year 2018

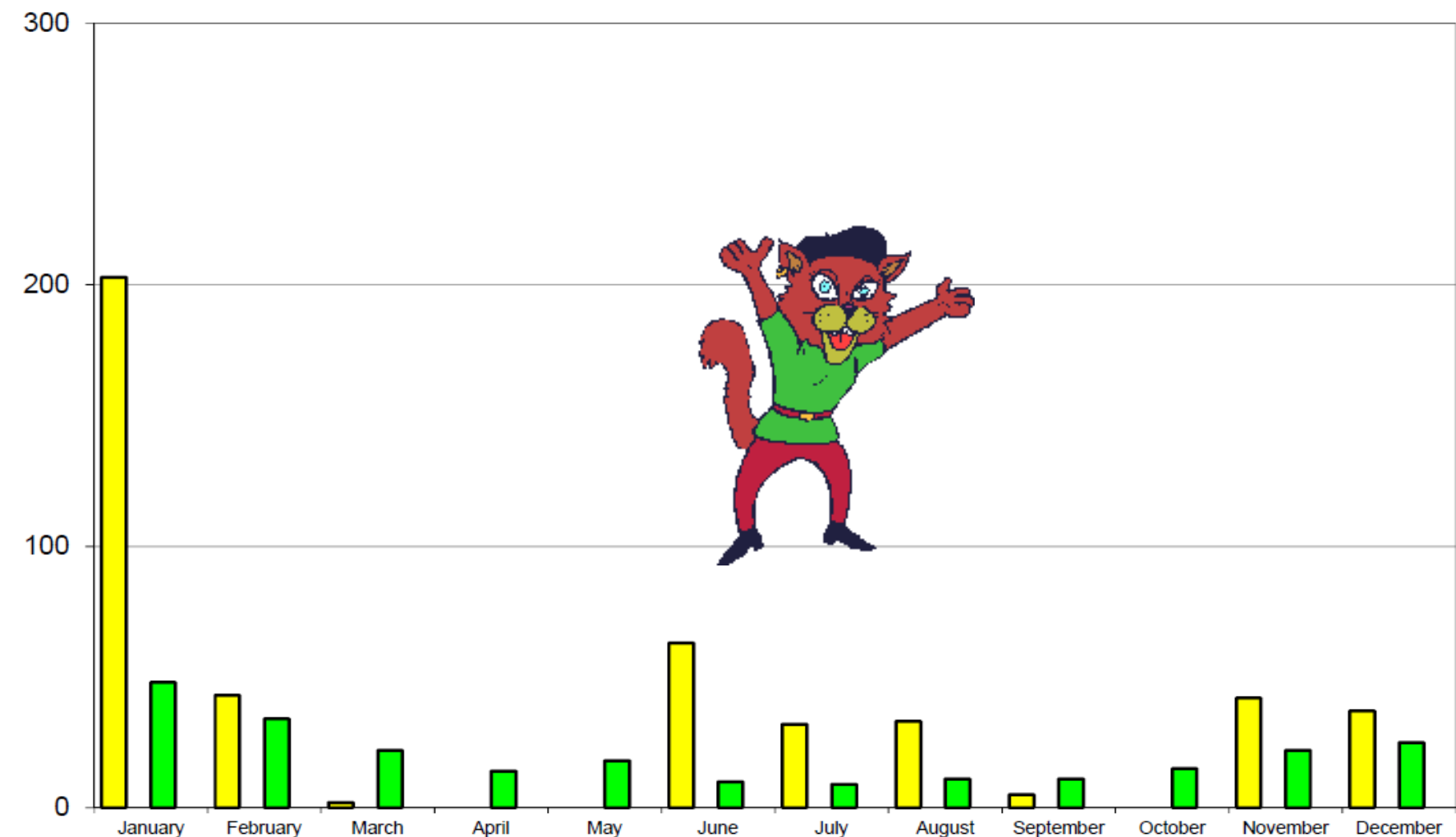


The number of vaccine baits used within realization of the National Rabies Eradication Programme

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
2014	303 750 baits SAD Bern	303 750 baits SAD Bern
2015	303 700 baits SAD Bern	303 900 baits SAD Bern
2016	303 900 baits SAD Bern	310 150 baits SAD Bern
2017	310 150 baits SAD Bern	310 150 baits SAD Bern
2018	316 400 baits SAD Bern	316 400 baits SAD Bern



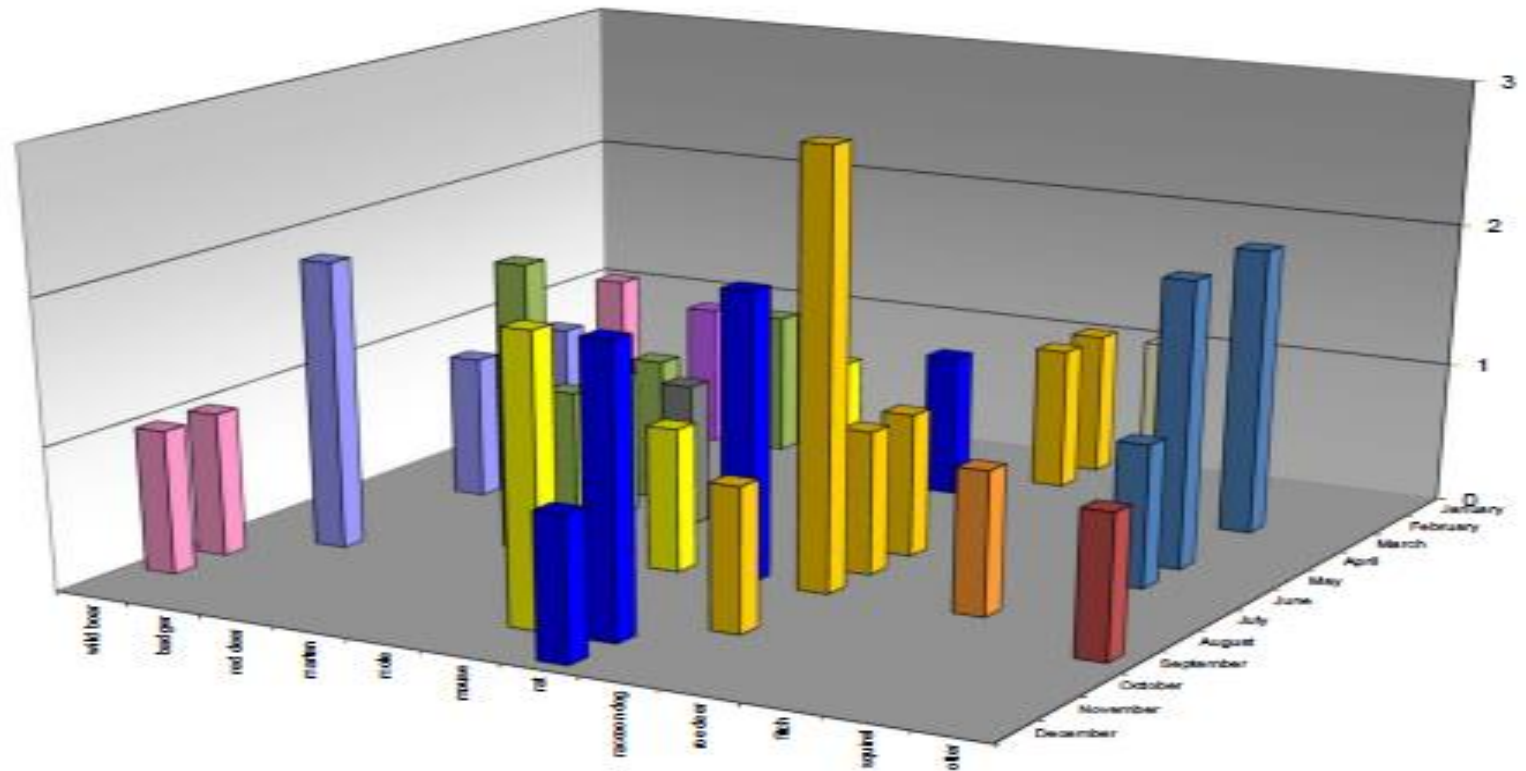
foxes submitted for Rabies investigation in Slovakia during 2018



- number of foxes hunted healthy
- number of positive foxes hunted healthy
- number of foxes submitted as suspected and dead
- number of positive foxes submitted as suspected and dead

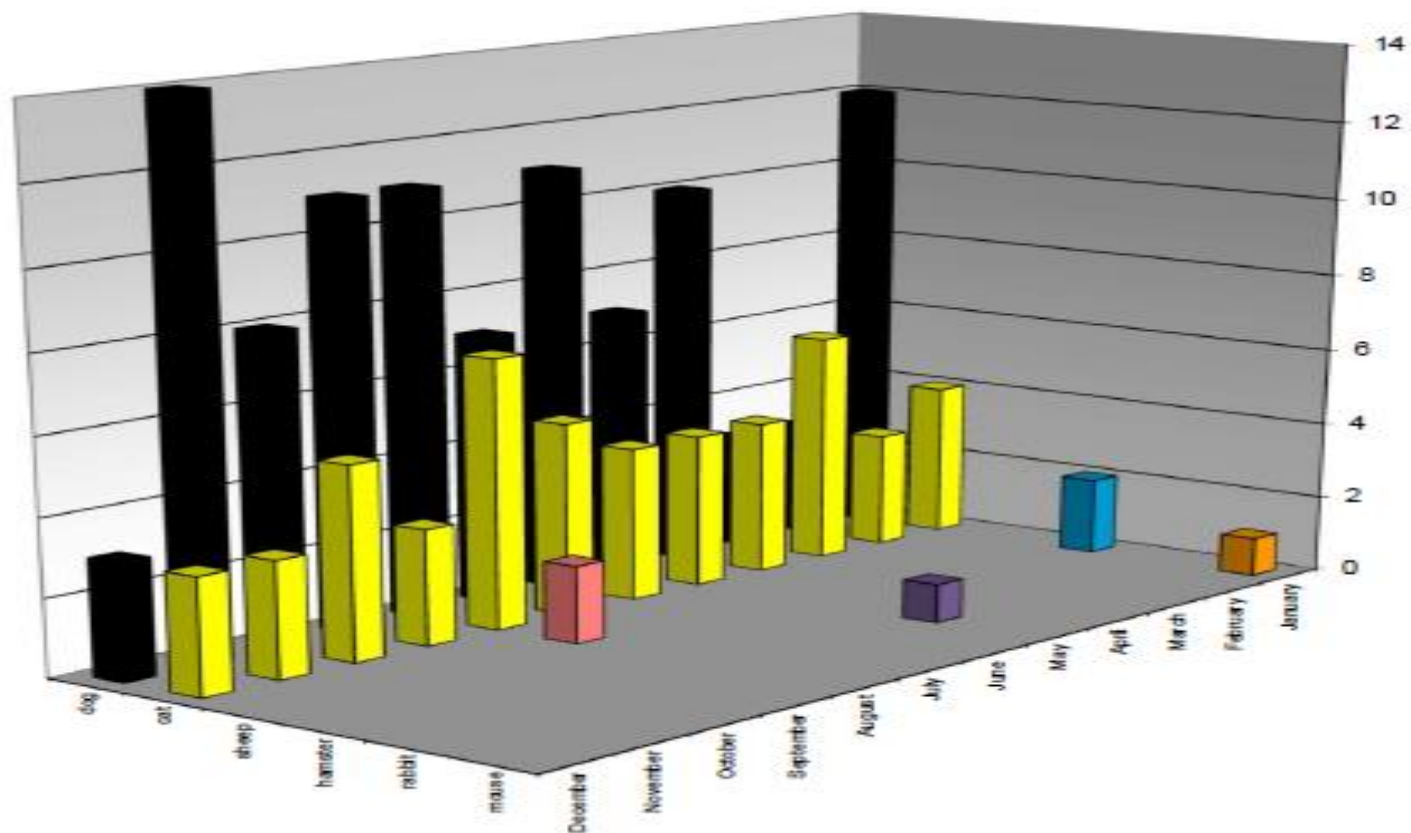
month	number of foxes hunted healthy	number of positive foxes hunted healthy	% of positive	number of foxes submitted as suspected and dead	number of positive foxes submitted as suspected and dead	% of positive	number of foxes submitted total	number of positive foxes total
January	203		0,0%	48		0,0%	251	
February	43		0,0%	34		0,0%	77	
March	2		0,0%	22		0,0%	24	
April			0,0%	14		0,0%	14	
May			0,0%	18		0,0%	18	
June	63		0,0%	10		0,0%	73	
July	32		0,0%	9		0,0%	41	
August	33		0,0%	11		0,0%	44	
September	5		0,0%	11		0,0%	16	
October			0,0%	15		0,0%	15	
November	42		0,0%	22		0,0%	64	
December	37		0,0%	25		0,0%	62	
total	460	0	0,0%	239	0	0,0%	699	0

Wildlife animals (without foxes) submitted for Rabies investigation in Slovakia during 2018



animal	January	February	March	April	May	June	July	August	September	October	November	December	Total
wild boar	1									1	1		3
badger				1		1			2				4
red deer	1	1											2
marten		1			1	1	1	2					6
mole						1							1
mouse				1				1			2		4
rat			1					2			2	1	6
raccoon dog	1	1				1	1	3		1			8
roe deer	1												1
fish								1					1
squirrel			2		2	1							5
otter									1				1
total	4	3	3	2	3	5	2	9	3	2	5	1	42

Domestic animals submitted for Rabies investigation in Slovakia during 2018



animal	January	February	March	April	May	June	July	August	September	October	November	December	total
dog	12	3	3	10	7	11	7	11	11	8	14	3	100
cat	4	3	6	4	4	4	5	7	3	5	3	3	51
sheep								2					2
hamster	2												2
rabbit					1								1
mouse	1												1
total	19	6	9	14	12	15	12	20	14	13	17	6	157

Financial provision of plan part with financial contribution from the EC

- financial contribution from the Community 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, sequencing analyses, vaccine titration tests**
 - sampling delivery of wild animals



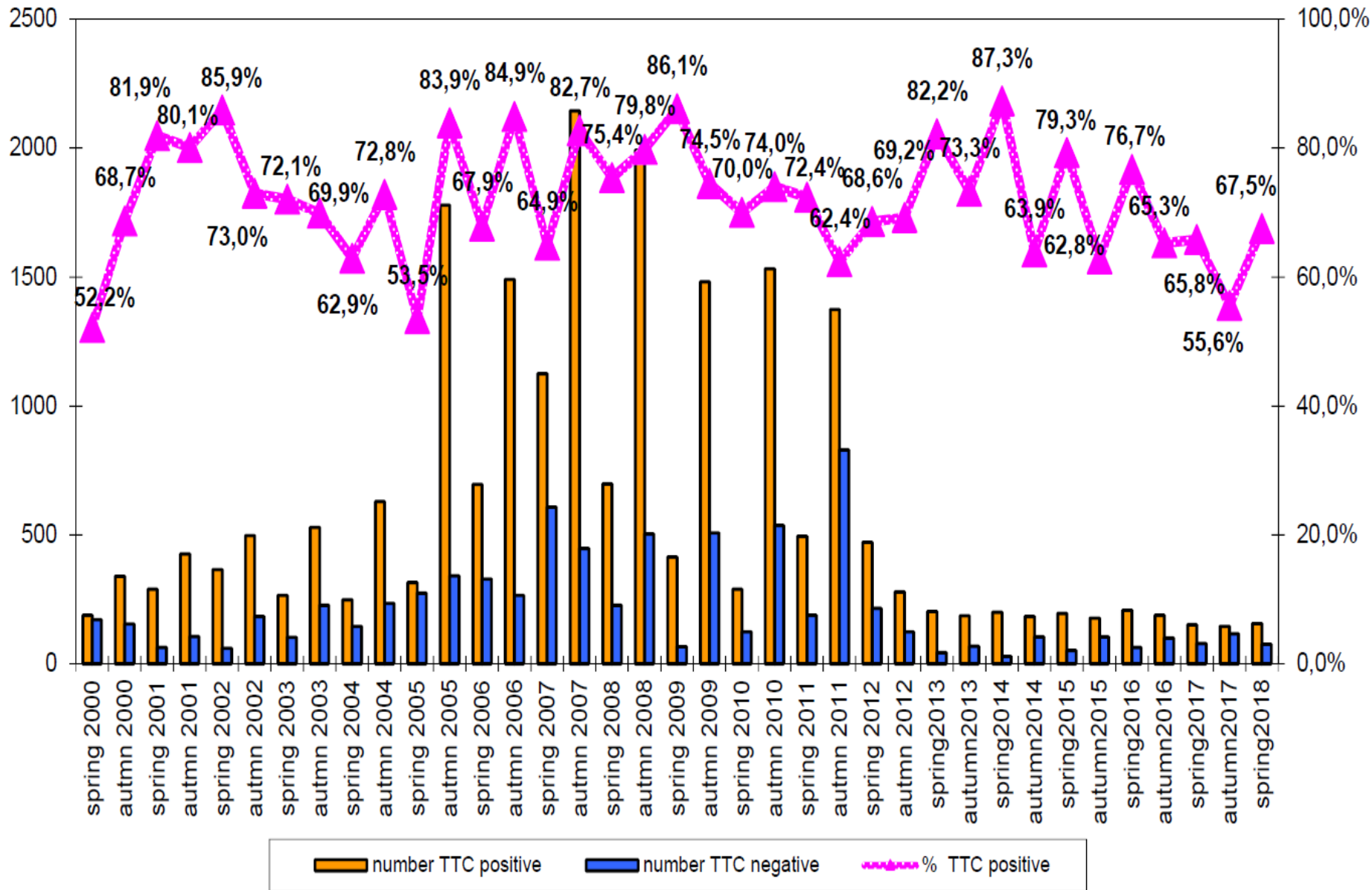
Final Financial Report in Slovak Republic in 2018 – measures eligible for Rabies co-financed eradication program



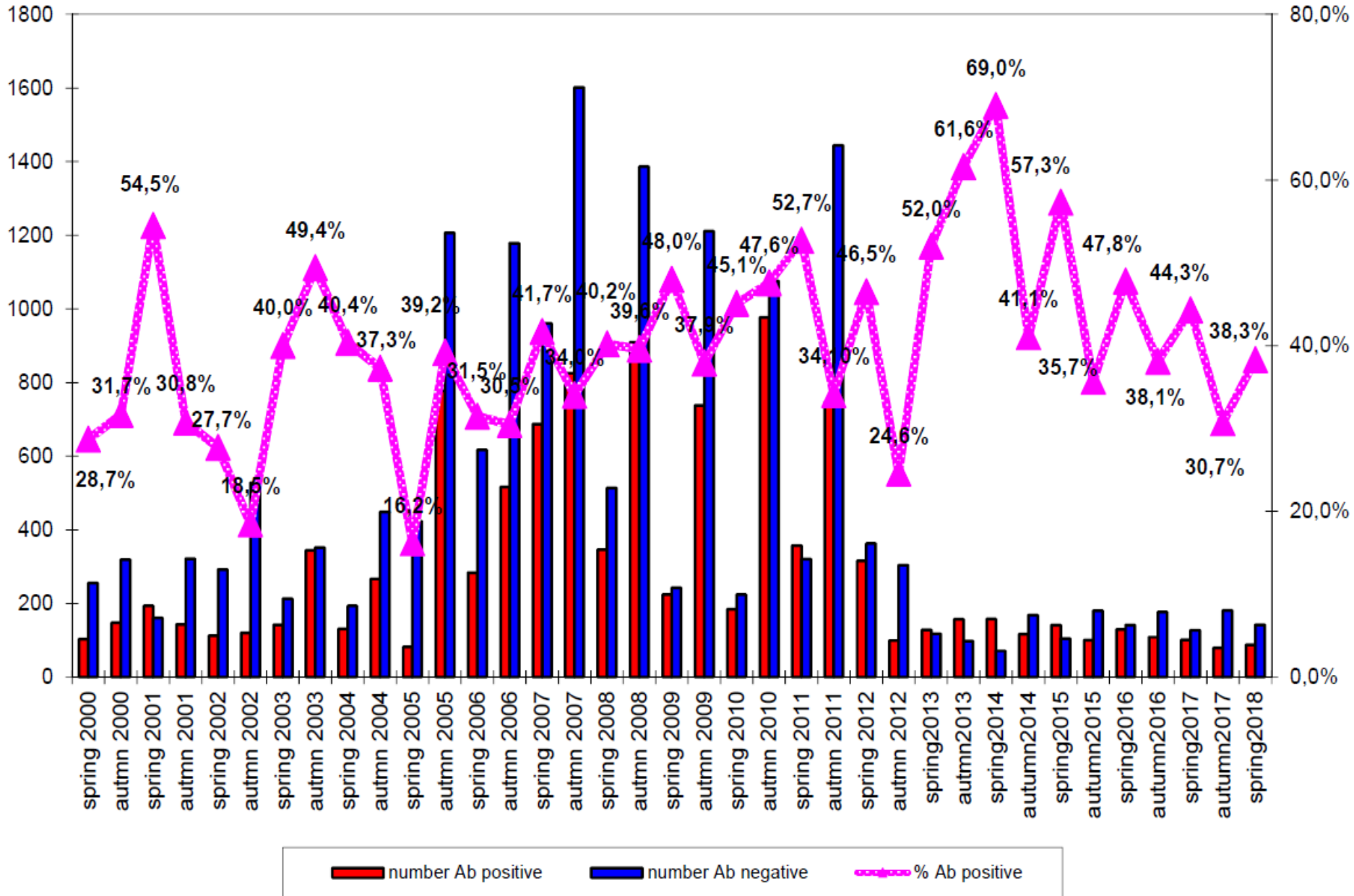
Region	Totally Costs (EUR) Includes :vaccines and distributionlaboratory analysis, sampling
Slovak Republic	270 289,45



TTC detection from 2000 - 2018



Antibody detection from 2000 - 2018



Conclusions



- **NO positive case in 2012 (as well as in the period 2007-2012)**
- **Positive cases in 2013, 2015**
- **No positive case in 2016**
- **No positive case in 2017**
- **No positive case in 2018**
- **Cases have been reported to the OIE as well as via ADNS report**
- **2018: selfdeclaration – SK free rabies country**
- **Due to epidemiological situation in the neighbouring countries- it is appropriate to continue with the programme**



Thank you for your
attention