

RESULTS OF THE IMPLEMENTATION OF 2019 RABIES ERADICATION PROGRAMME



**General Veterinary Inspectorate
Polish Veterinary Inspection**

Rabies eradication in 2019

Vaccination in Poland

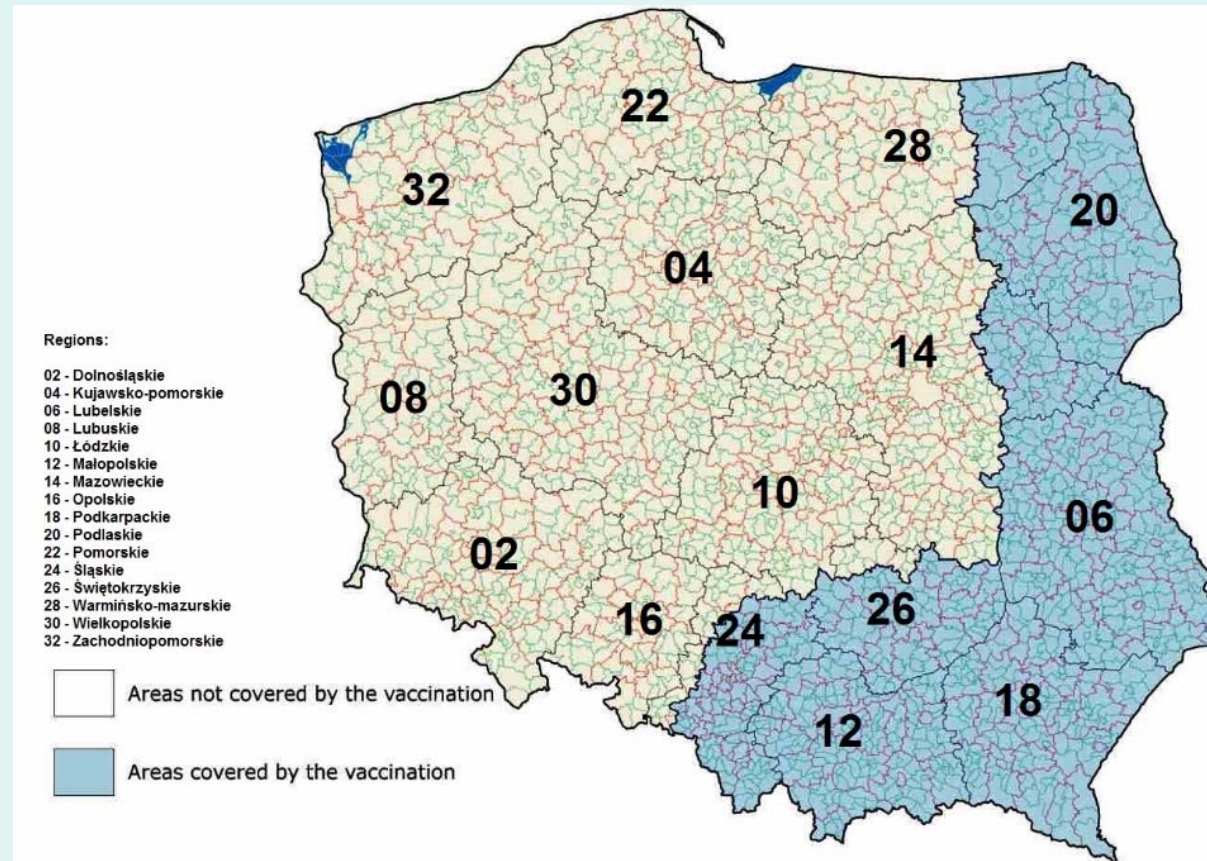
- The vaccine distributed either from the planes or manually;
- **Plane distribution** performed in forest areas and wild foxes habitats (planes are equipped with appropriate GPS devices);
- Flight distances – 500 m;
- **Manual distribution** performed in municipal agglomerations, dumping grounds, parks in cities, or cementaries (in 4 regions: Lubelskie, Malopolskie, Podkarpackie and Slaskie);
- Two regular vaccination campaigns carried out (spring and autumn);
- Vaccine used for foxes' immunization: LYSVULPEN;
- Number of baits distributed (not less than 20 baits per 1 km²):
 - ✓ 30 baits per 1 km² in the part of Lubelskie region and whole Malopolskie and Podkarpackie region in spring and autumn campaign;
 - ✓ 25 baits per 1 km² in the part of Mazowieckie, Podlaskie and Swietokrzyskie region in spring and autumn campaign;
 - ✓ 20 baits per 1 km² in the rest of areas vaccinated in spring and autumn campaign;
- **In total 5 045 808** vaccine doses distributed in 2019.



Rabies eradication in 2019

Vaccination in Poland

areas vaccinated in spring (March-April) and autumn campaign (September-October)



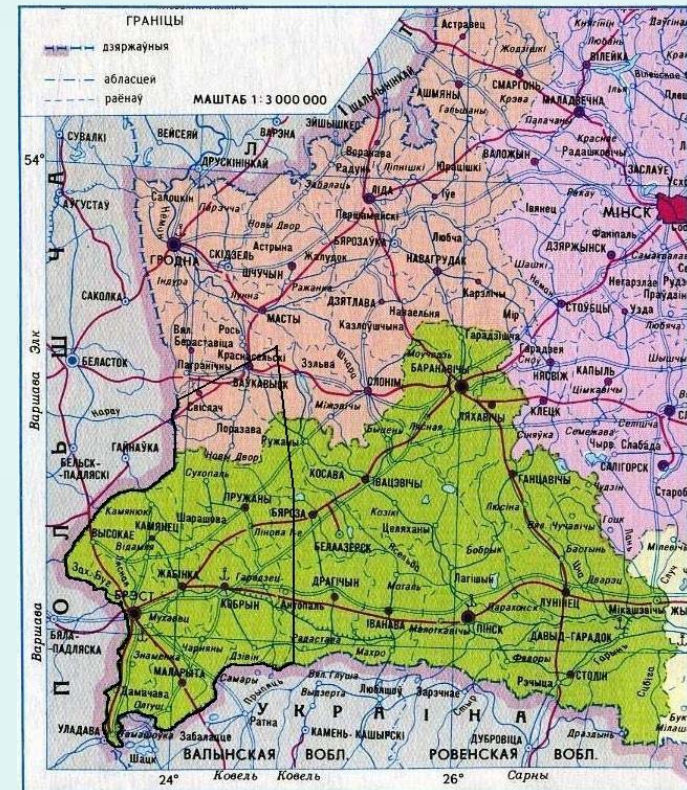
In Warmińsko-mazurskie region only autumn campaign carried out (in line with the programme).



Rabies eradication in 2019

Vaccination in the buffer zone in Belarus

- Two regular vaccination campaigns carried out (spring and autumn);
- The vaccine distributed from the planes;
- Flight distances – 500 m;
- Vaccine used for foxes' immunization – Rabivit WBF;
- Number of baits distributed - 25 baits per 1 km²;
- **In total 604 000** doses of vaccine distributed in 2019.



Rabies eradication in 2019

Vaccination in the buffer zone in Ukraine

- Two regular vaccination campaigns carried out (spring and autumn);
- The vaccine distributed from the planes;
- Flight distances – 500-1000 m;
- Vaccine used for foxes' immunization – Brovarabies V-RG and Orisvac;
- Number of baits distributed - 25 baits per 1 km²;
- **In total 1 922 500** doses of vaccine distributed in 2019.



Rabies eradication in 2019

Monitoring of 2019 vaccination effectiveness in Poland

Region	Number of foxes tested - biomarker (TC)	Uptake level	Number of foxes tested - serology (ELISA)	Seroconversion level
Lubelskie	904	90.38%	854	43.44%
Malopolskie	617	90.44%	616	63.47%
Mazowieckie	204	87.25%	171	52.63%
Podkarpackie	658	91.03%	635	62.36%
Podlaskie	670	91.49%	552	52.90%
Slaskie	296	78.38%	296	30.41%
Swietokrzyskie	386	96.11%	386	40.16%
Warminsko-mazurskie	207	83.57%	206	36.41%
TOTAL	3 942	89.83%	3 716	50.05%



Rabies eradication in 2019

Monitoring of 2019 vaccination effectiveness in buffer zone in Ukraine

Region	Number of foxes tested - biomarker (TC)	Uptake level	Number of foxes tested - serology (ELISA)	Seroconversion level
Volyn	690	61.45%	400	42.50%
Zakarpattya	62	64.52%	22	31.81%
Lviv	601	58.74%	534	44.76%
Rivne	28	53.57%	28	28.57%
TOTAL	1 381	60.25%	984	43.09%

Data for buffer zone in Belarus - not available



Rabies eradication in 2019

Number of animals tested in the framework of passive surveillance (FAT):

- In Poland – 3 541;
- In the buffer zone in Belarus – 67;
- In the buffer zone in Ukraine – 260.

Number of animals tested in the framework of active surveillance (FAT):

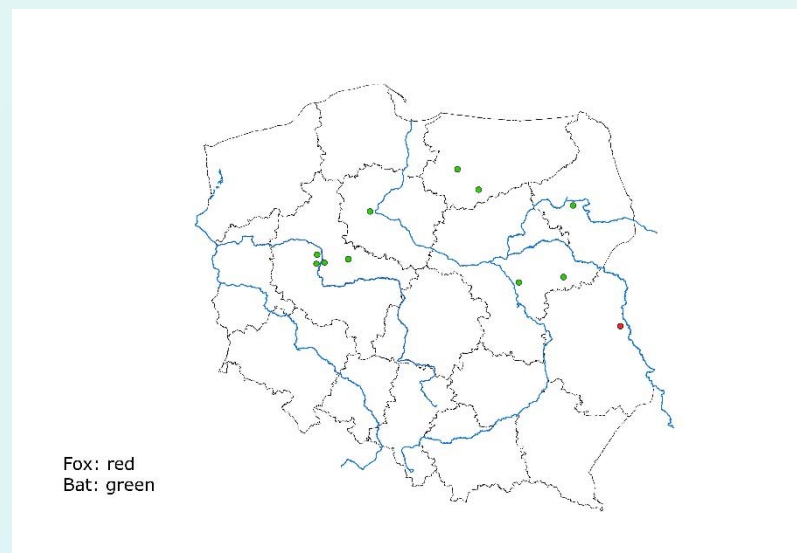
- In Poland – 3 935;
- In the buffer zone in Belarus – 222;
- In the buffer zone in Ukraine – 1 381.



Rabies occurrence in 2019

Cases of rabies in Poland – Details

Region	Fox	Bat
Kujawsko-pomorskie	0	1
Lubelskie	1	0
Mazowieckie	0	2
Podlaskie	0	1
Warmińsko-mazurskie	0	2
Wielkopolskie	0	4
TOTAL	1	10



Rabies occurrence in 2019

Cases of rabies in the buffer zones – Details

Buffer zone in Belarus:

- Rabies cases in wildlife – 17.

Buffer zone in Ukraine:

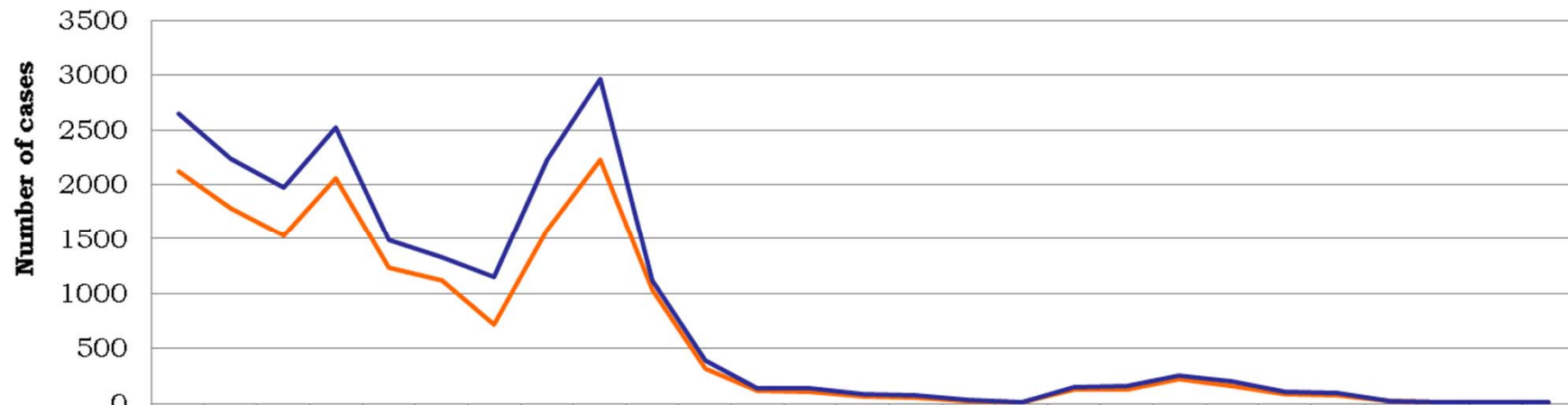
- Rabies cases in wildlife – 22;
- Rabies cases in other species – 30.



Rabies occurrence

Number of cases in Poland

Rabies cases in Poland in 1993 - 2019

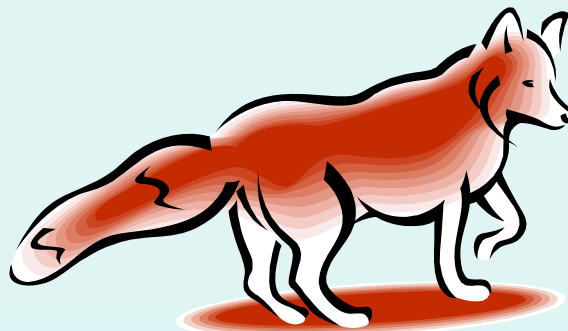


	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Wild animals	2126	1788	1528	2064	1239	1120	721	1583	2224	1038	314	114	102	63	55	24	8	129	126	219	162	89	79	19	9	9	11
Total	2648	2238	1973	2527	1494	1329	1148	2224	2964	1119	388	136	138	82	70	29	8	151	160	257	204	105	97	22	10	9	11



Summary

- Number of rabies cases at low level;
- 1 rabies case (RABV) localized close to Belarusian and Ukrainian border (in Lubelskie region) caused by field strain in 2019;
- 5 rabies cases (RABV) confirmed in Poland in 2020 (4 in Lubelskie region, also close to Belarusian and Ukrainian border, and 1 in Podkarpackie region).



THANK YOU FOR YOUR ATTENTION!

