

RESULTS OF THE IMPLEMENTATION OF 2018 RABIES ERADICATION PROGRAMME



**General Veterinary Inspectorate
Polish Veterinary Inspection**

Rabies eradication in 2018

Vaccination in Poland

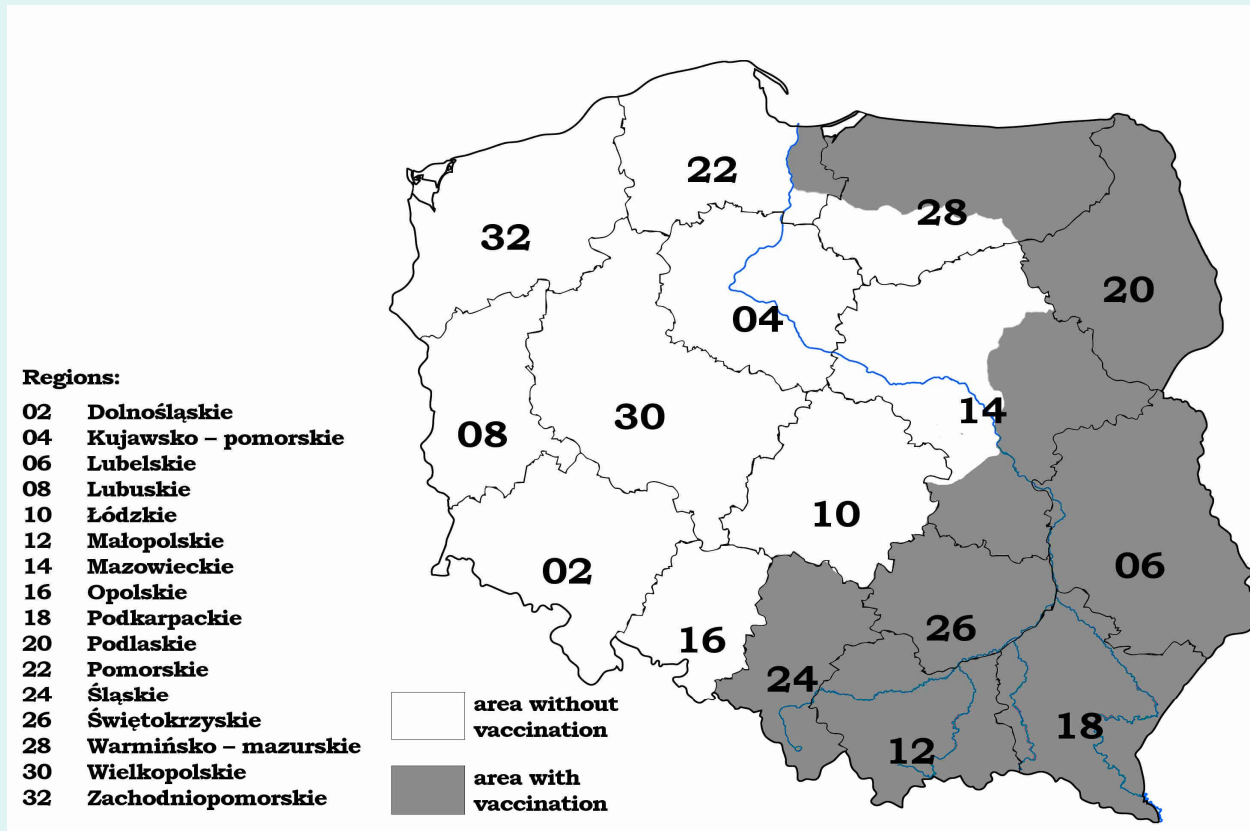
- The vaccine distributed either from the planes or manually;
- **Plane distribution** performed in forest areas and wild foxes habitats (planes are equipped with appropriate GPS devices);
- Flight distances – 500 m;
- **Manual distribution** performed in municipal agglomerations, dumping grounds, parks in cities, or cementaries (in 5 regions: Lubelskie, Malopolskie, Podkarpackie, Slaskie and Swietokrzyskie);
- Two regular vaccination campaigns carried out (spring and autumn);
- Additional campaign performed in the whole Malopolskie and Podkarpackie region due to the epizootic situation in last years;
- 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 and Podlaskie and whole Swietokrzyskie region in spring and autumn campaign;
 - ✓ 30 baits per 1 km² in the whole Malopolskie and Podkarpackie region in additional campaign;
 - ✓ 20 baits per 1 km² in the rest of areas vaccinated in spring and autumn campaign;
- **In total 6 789 482** vaccine doses distributed in 2018.



Rabies eradication in 2018

Vaccination in Poland

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



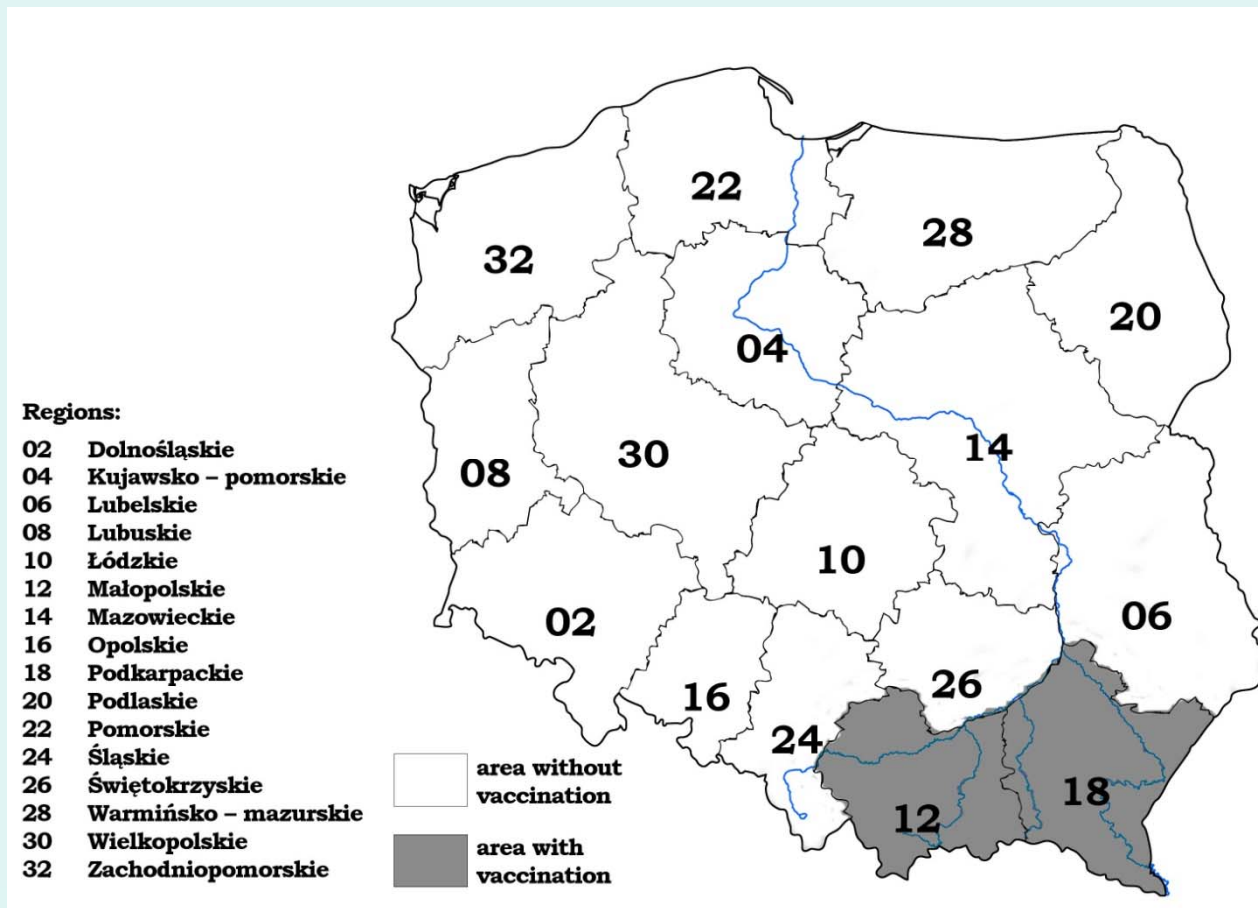
In Pomorskie and Warmińsko-mazurskie region only autumn campaign carried out (in line with the programme).



Rabies eradication in 2018

Vaccination in Poland

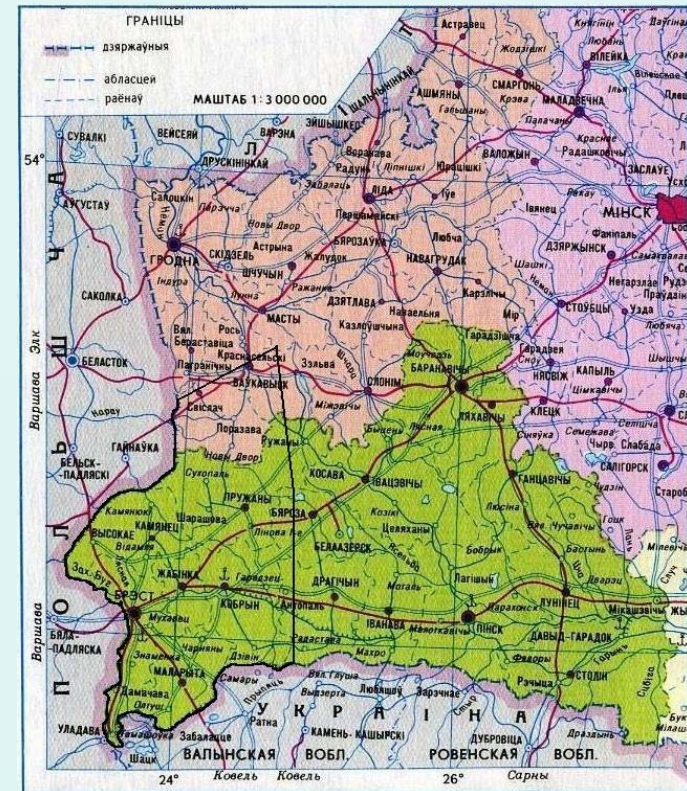
areas vaccinated in additional campaign in Malopolskie and Podkarpackie region (November)



Rabies eradication in 2018

Vaccination in the buffer zone in Belarus

- Number of baits distributed - 25 baits per 1 km²;
- **In total 302 000** doses of vaccine distributed by plane during autumn campaign (October);
- Spring campaign not carried out;
- Vaccine used for foxes' immunization – Rabivak-0/333;
- Flight distances – 500 m.



Rabies eradication in 2018

Vaccination in the buffer zone in Ukraine

Agreement signed, but no vaccination
implemented.



Rabies eradication in 2018

Monitoring of 2018 vaccination effectiveness in Poland

Region	Number of foxes tested - biomarker (TC)	Uptake level	Number of foxes tested - serology (ELISA)	Seroconversion level
Lubelskie	848	90.45%	821	34.96%
Małopolskie	616	89.12%	615	58.37%
Mazowieckie	614	85.67%	511	63.60%
Podkarpackie	662	94.11%	638	61.76%
Podlaskie	670	94.93%	582	58.59%
Pomorskie	66	84.85%	66	30.30%
Śląskie	405	80.00%	405	22.47%
Świętokrzyskie	420	93.33%	420	36.19%
Warmińsko-mazurskie	609	88.83%	605	44.30%
TOTAL	4 910	89.90%	4 663	47.97%

Data for buffer zone in Belarus - not available



Rabies eradication in 2018

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

- In Poland – 3 246;
- In the buffer zone in Belarus – 120.

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

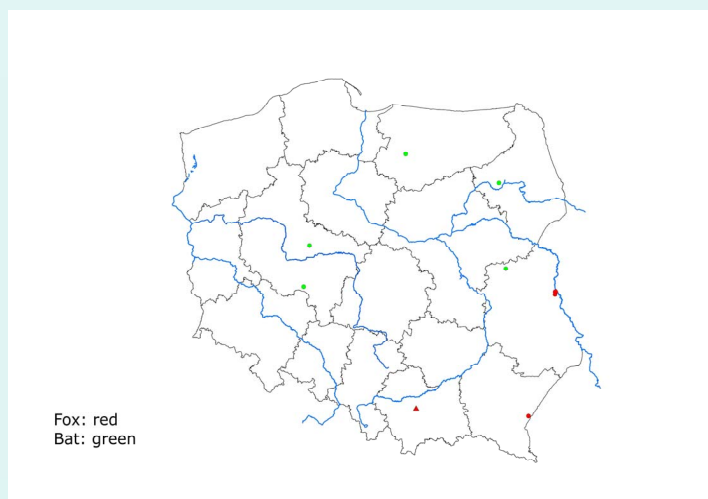
- In Poland – 4 855;
- In the buffer zone in Belarus – 212.



Rabies occurrence in 2018

Cases of rabies in Poland – Details

Region	Fox	Bat
Lubelskie	2	1
Malopolskie	1	0
Podkarpackie	1	0
Podlaskie	0	1
Warmisko-mazurskie	0	1
Wielkopolskie	0	2
TOTAL	4	5



Rabies occurrence in 2018

Cases of rabies in the buffer zone in Belarus – Details

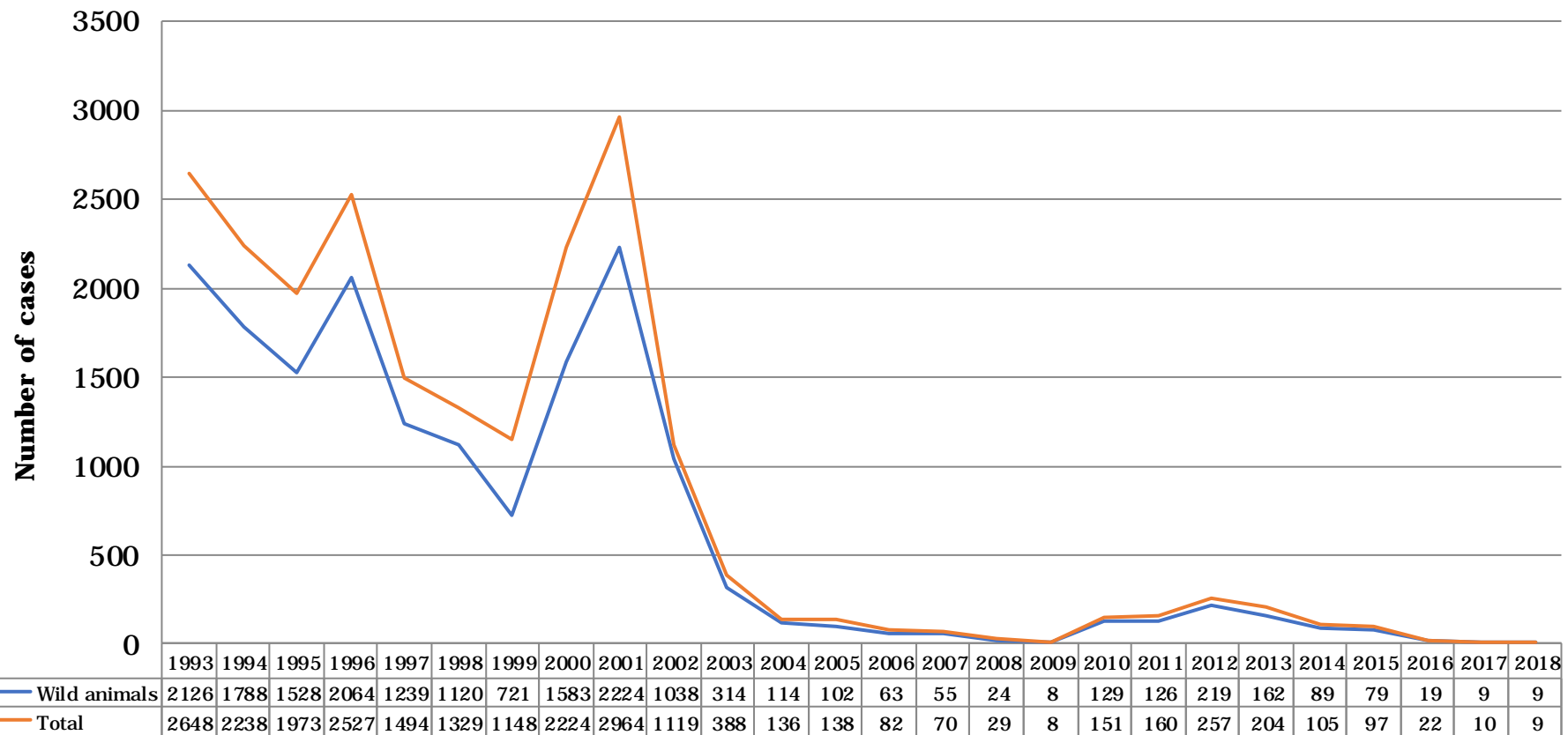
- Rabies cases in wildlife – 62;
- Rabies cases in other species – 8.



Rabies occurrence

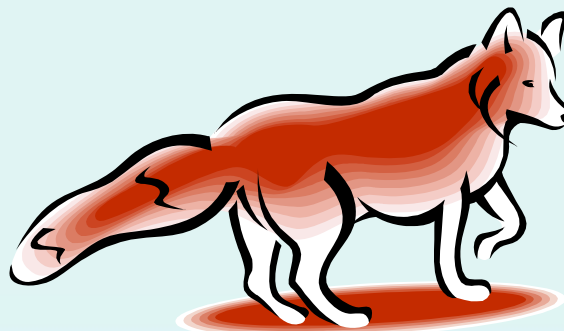
No of cases in Poland

Rabies cases in Poland in 1993-2018



Summary

- Number of rabies cases at low level;
- 1 rabies case (RABV) in Malopolskie region caused by vaccine strain in 2018;
- 3 rabies cases (RABV) localized close to Belarusian and Ukrainian border (in Lubelskie and Podkarpackie regions) caused by field strains in 2018;
- Only 1 rabies case (RABV) confirmed in Poland in 2019 (Lubelskie region, also close to Belarusian and Ukrainian border).



THANK YOU FOR YOUR ATTENTION

