

RESULTS OF THE IMPLEMENTATION OF THE 2014 RABIES ERADICATION PROGRAMME



**General Veterinary Inspectorate
Polish Veterinary Inspection**

Outline

Part I - Description of the programme:

- Legal basis,
- Description of the measures:
 - **Poland,**
 - **Ukraine.**



Rabies eradication in 2014

Legal basis

Domestic legal basis:

- The Act of 11 March 2004 *on the protection of animal health and control of animal infectious diseases*;
- Regulation of the Ministry of Agriculture and Rural Development of 17 December 2013 *on conducting preventive vaccinations of wild foxes against rabies*;
- Regulation of the Minister of Agriculture and Rural Development of 7 January 2005 *on the eradication of rabies*;
- Regulation of the Minister of Agriculture and Rural Development of 17 December 2004 *determining certain diseases, manner for carrying out the control and scope of control tests of animals' infections*;
- Regulation of the Minister of Agriculture and Rural Development of 23 December 2014 on the introduction of programme of rabies eradication.**

International agreement:

- Agreement between the Minister of Agriculture and Rural Development of the Republic of Poland and the Minister of Agrarian Policy and Food of Ukraine on the rabies eradication programme in Ukraine in 2014 (signed on 10 June 2014 in Kiev).**

EU legal basis:

- Commission Decision 2013/722/EU;
- Commission Decision 2008/425/EC;
- Commission Decision 2008/940/EC.



Rabies eradication in 2014

Measures foreseen within the programme

- **Oral vaccination of wild foxes;**
- **Monitoring of vaccination effectiveness;**
- Other measures implemented in outbreaks and surveillance zones.



Outline

- Description of the programme:
 - Poland



Rabies eradication in 2014

Vaccination in Poland

- The vaccine was distributed either from the planes or manually in **two campaigns** under the responsibility of the competent Regional Veterinary Officers;
- **Plane distribution** has been performed in forest areas and wild foxes habitats (planes are equipped with GPS);

Flight distances – 500 m, except for kujawsko-pomorskie, lodzkie, opolskie and pomorskie regions where flight distances were 1 km;

- **Manual distribution** has been performed in municipal agglomerations, dumping grounds, parks in cities, or cementaries (in 5 regions: lubelskie, małopolskie, podkarpackie, śląskie and świętokrzyskie).
- Vaccines used for foxes' immunization:
 - FUCHSORAL and
 - LYSVULPEN.



Rabies eradication in 2014

Vaccination in Poland

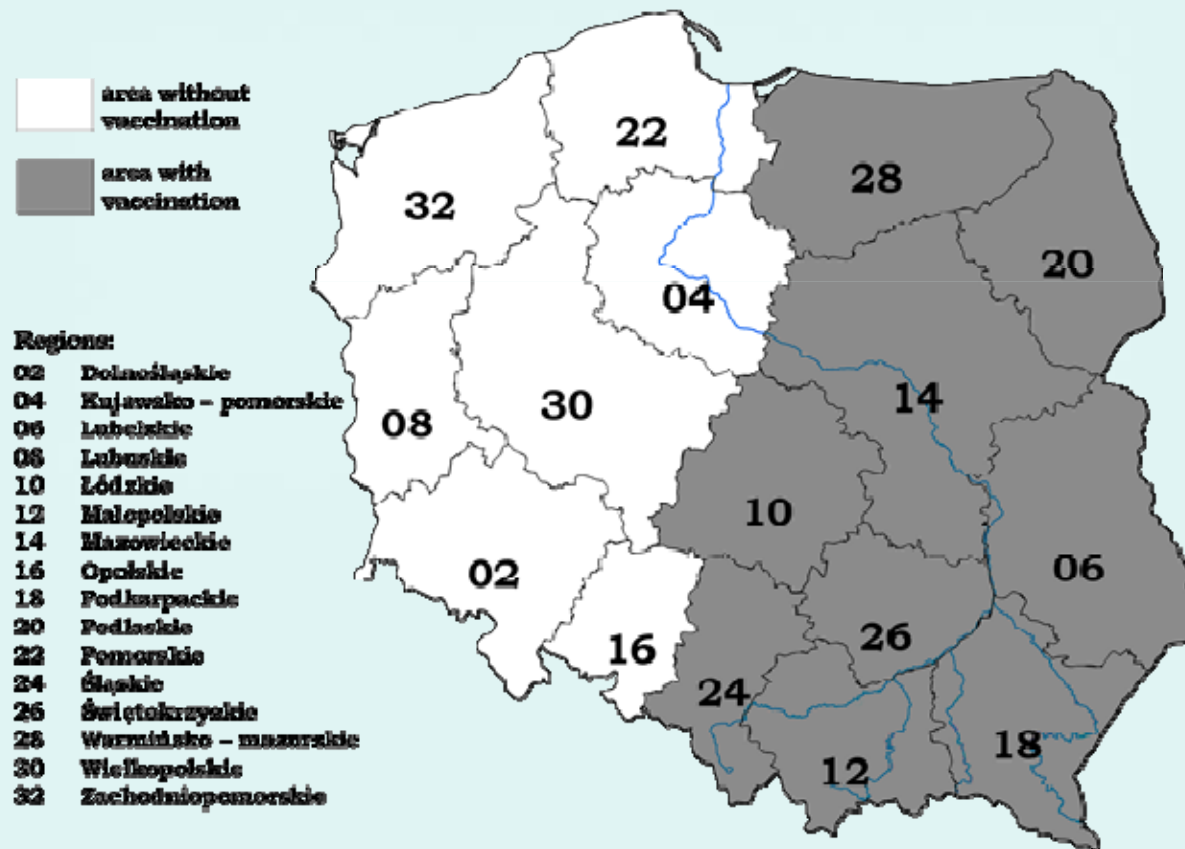
- Number of baits distributed (not less than 20 baits per 1 km²):
 - ✓ 30 baits per 1 km² in the whole małopolskie, podkarpackie and świętokrzyskie regions,
 - ✓ 30 baits per 1 km² in the part of lubelskie, mazowieckie, podlaskie, śląskie and warmińsko-mazurskie regions,
 - ✓ 20 baits per 1 km² in the rest of areas vaccinated;
- Number of vaccine baits varies between regions and depends on:
 - ✓ forestation level,
 - ✓ lay of the land,
 - ✓ wildlife population,
 - ✓ epizootic situation.
- **In total 9 056 420** doses of vaccine distributed in 2014.



Rabies eradication in 2014

Vaccination

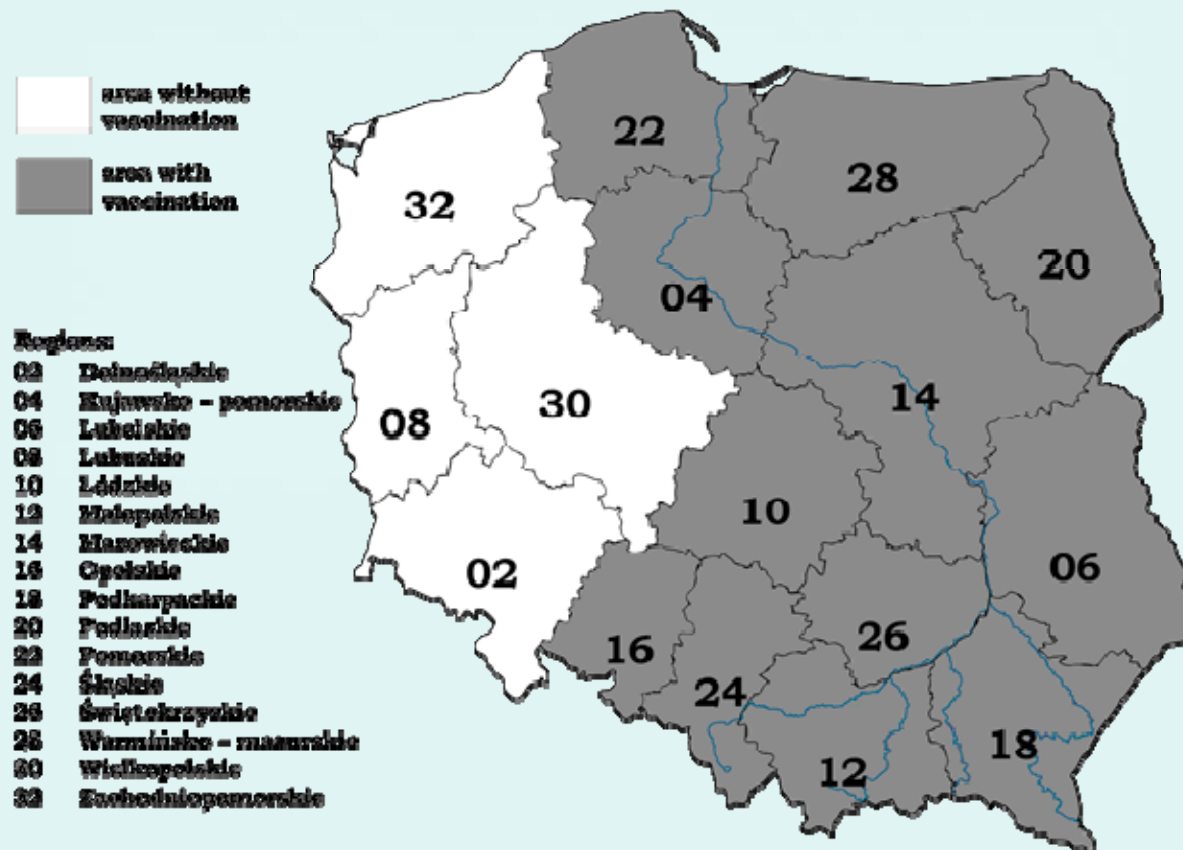
areas vaccinated in the spring campaign (April-June) in Poland



Rabies eradication in 2014

Vaccination

areas vaccinated in the autumn campaign (September-October) in Poland



Rabies eradication in 2014

Monitoring of 2014 vaccination effectiveness in Poland

<u>TARGET</u> 8 foxes to be shot per 100 km ² of foxes' habitat premisses covered by vaccination	<u>RESULTS</u> Foxes shot – 16 877
<u>TESTS</u> Uptake of vaccine (TC) Seroconversion (RFFIT) Seroconversion (ELISA)	<u>RESULTS</u> Number of foxes tested – 16 756 Uptake level: 88,27% Number of foxes tested – 6 561 Seroconversion level: 76,38% Number of foxes tested – 6 383 Seroconversion level: 42,71%



Outline

- Description of the programme:
 - Ukraine



Rabies eradication in 2014

Vaccination

areas vaccinated in the spring/summer (June-July) and autumn campaign (September-October) in the buffer zone in Ukraine

Spring and autumn campaigns covered the territory of 31 500 km².



Rabies eradication in 2014

Vaccination in the buffer zone in Ukraine

- Number of baits distributed - 25 baits per 1 km²;
- **In total 1 575 000** doses of vaccine distributed in 2014;
- Vaccine used for foxes' immunization – Brovarabies V-RG;
- Air distribution – 1 570 650 baits;
- Manual distribution – 4 350 baits;
- Flight distances – not more than 1 km.



Rabies eradication in 2014

Monitoring of 2014 vaccination effectiveness in the buffer zone in Ukraine

<u>TARGET</u> 4 foxes to be shot per 100 km ² covered by vaccination	<u>RESULTS</u> Foxes shot – 1 024
<u>TESTS</u> Uptake of vaccine (TC) Seroconversion (FAVN)	<u>RESULTS</u> Number of foxes tested – 1 024 Uptake level: 47,07% Number of foxes tested – 408 Seroconversion level: 49,51%



Outline

Part II - Information on rabies occurrence in 2014:

- Number and distribution of cases,
- Comparison with situation in previous years.



Rabies occurrence in 2014

Cases of Rabies in Poland – Details

Area	Rabies cases																							
	Domestic animal										Wildlife													
Region	dog	cat	cattle	equine	sheep	goat	pig	stray dog	other	fox	raccoon dog	raccoon	wolf	badger	marten	other mustelides	other carnivores	wild boar	roe deer	red deer	fallow deer	other	bat	
dolnoslaskie																								
kujawsko-pomorskie																								1
lubelskie										2														
lubuskie																								
lodzkie																								
malopolskie	9	4	2							58	1			1	2				3					
mazowieckie																								2
opolskie																								
podkarpackie		1								5					2									1
podlaskie										4														
pomorskie																								2
slaskie																								
swietokrzyskie										3														
warmińsko-mazurskie																								1
wielkopolskie																								
zachodniopomorskie																								
Total	9	5	2							73	1			1	4				3					7

Domestic animals

16

Wildlife

89

Total

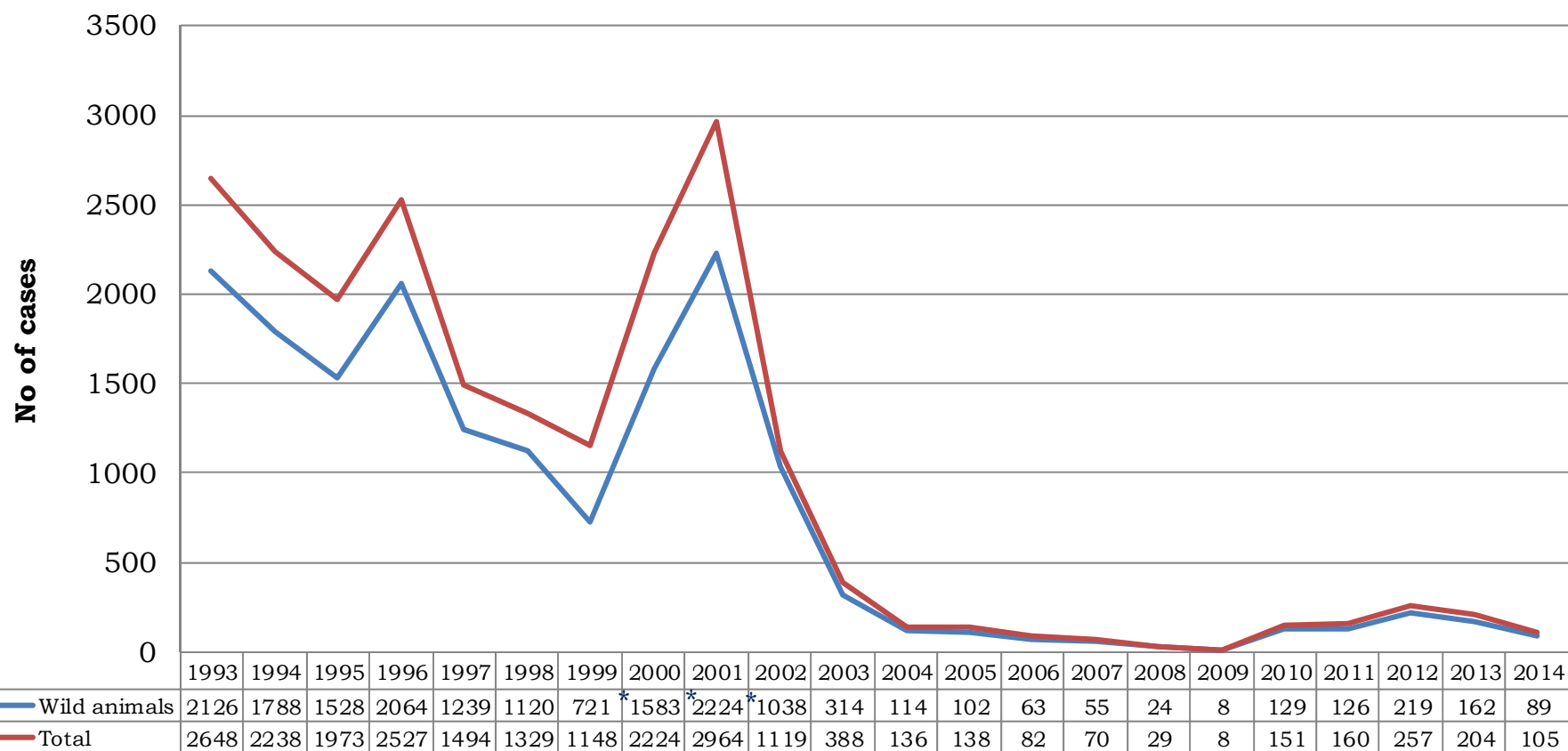
105



Rabies occurrence in 2014

No of cases in Poland

Rabies cases in Poland in 1993-2014

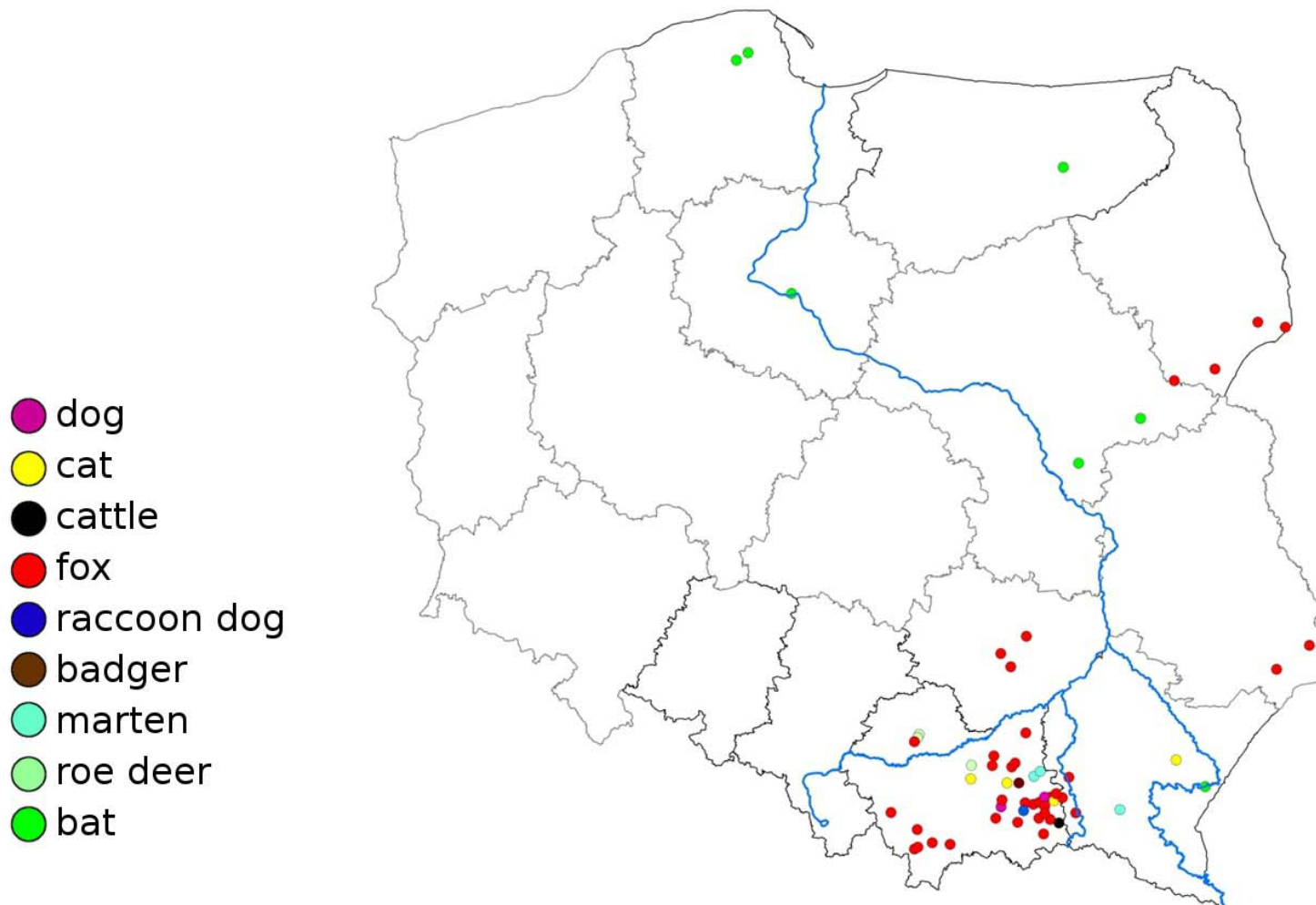


* - only wild foxes are indicated



Rabies occurrence in 2014

Localization of rabies cases in Poland



Rabies eradication in 2014

Localization of rabies cases in the buffer zone in Ukraine



- **wild animals**
- **domestic animals**

Cases of rabies in the buffer zone in Ukraine – Details

- Rabies cases in foxes – 21;
- Rabies cases in other species – 18.



Outline

Part III - Co-financing aspects



Rabies eradication in 2014

Co-financing

Eligible costs:

- Cost of vaccine doses and baits in Poland and in the buffer zone in Ukraine;
- Cost of vaccine distribution in Poland and in the buffer zone in Ukraine;
- The delivery of wild animals to the authorities for laboratory testing in Poland;
- RFFIT/ELISA in Poland;
- Tests for the presence of tetracycline in bones cuts (TC) in Poland;
- Differentiation of rabies virus strains in Poland;
- Immunofluorescence of the brain imprints in Poland;
- Virus isolation in Poland;
- Tests for the quality of vaccine in Poland.



Co-financing (Commission Decision 2013/722/EU, 2014/925/EU):



Maximum amount of the Union's financial contribution: 6 400 000 €



THANK YOU FOR YOUR ATTENTION

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