



# **Implementation of the coo- financed rabies eradication program in Lithuania 2013**



## Rabies eradication strategy

- **Oral rabies vaccination of wild animals, especially red foxes and raccoon dogs using effective vaccine**
- **Obligatory vaccination of dogs and cats**
- **Identification and registration of dogs and cats**
- **Control of stray animals**



# Oral rabies vaccination of wild animals



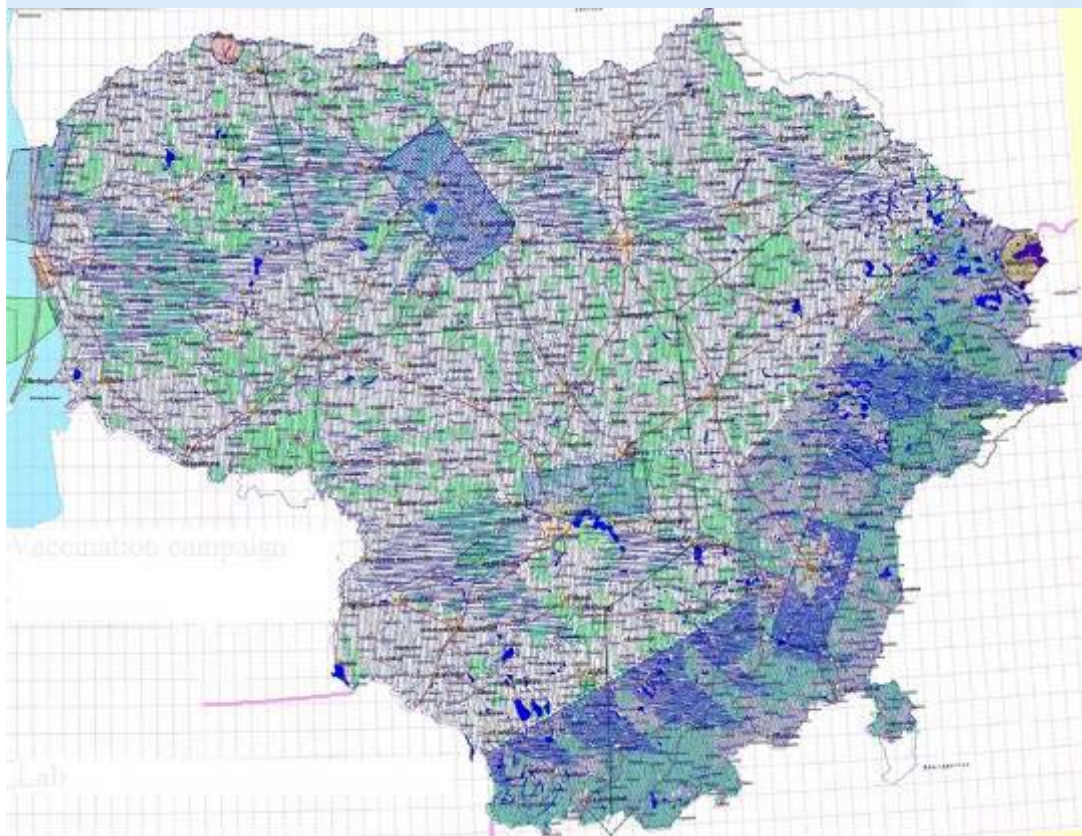


## Oral rabies vaccination of wild animals

- **Oral rabies vaccination performed twice a year**
- **Optimal number of baits not less than 20 per sq. km**
- **Vaccine distributed in parallel lines separated by 500 m (in bordering regions with Belarus) and 1000 m in the rest part of Lithuania**
- **Rabies eradication campaign will be performed two years after the year when no cases of rabies was detected**



# Oral rabies vaccination of wildlife



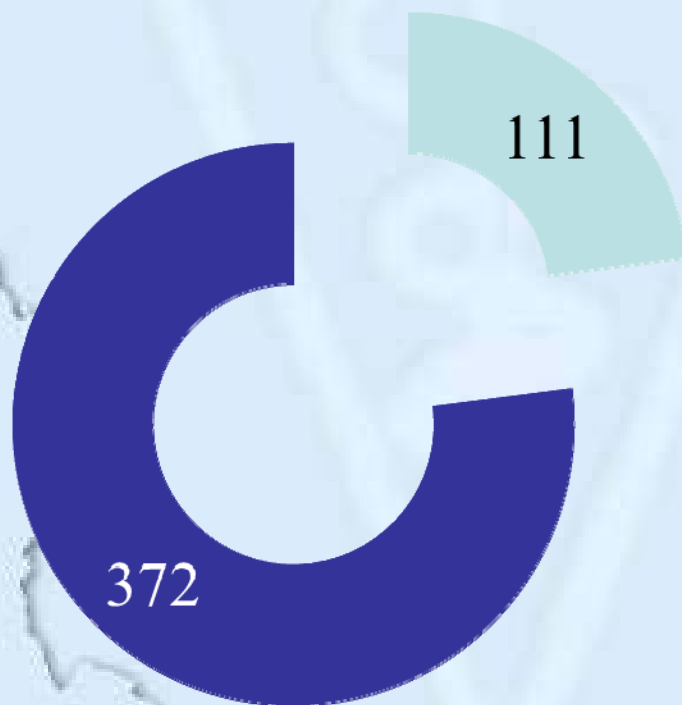
- Territory of 63 000 sq/km
- 1.300.000 baits per campaign
- 2.600.000 baits per year
- Distribution density 1000 m, near the border -500 m.



# Number of suspected animals tested for rabies in 2013

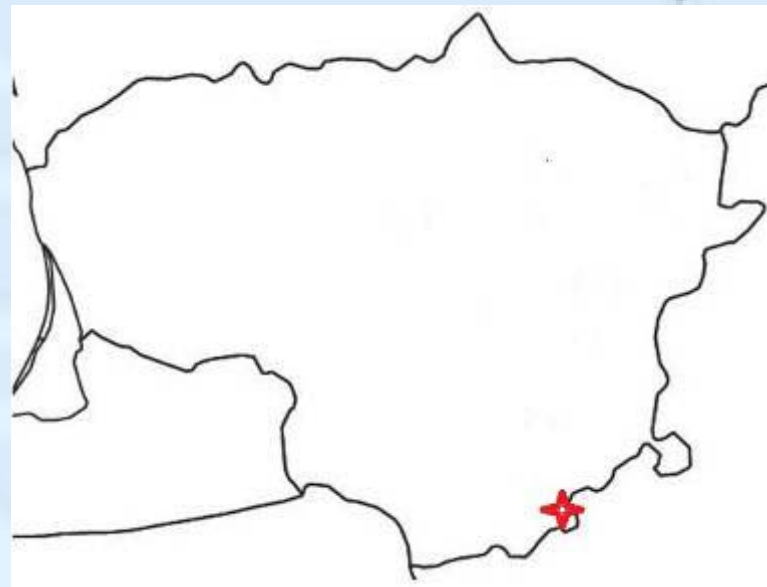
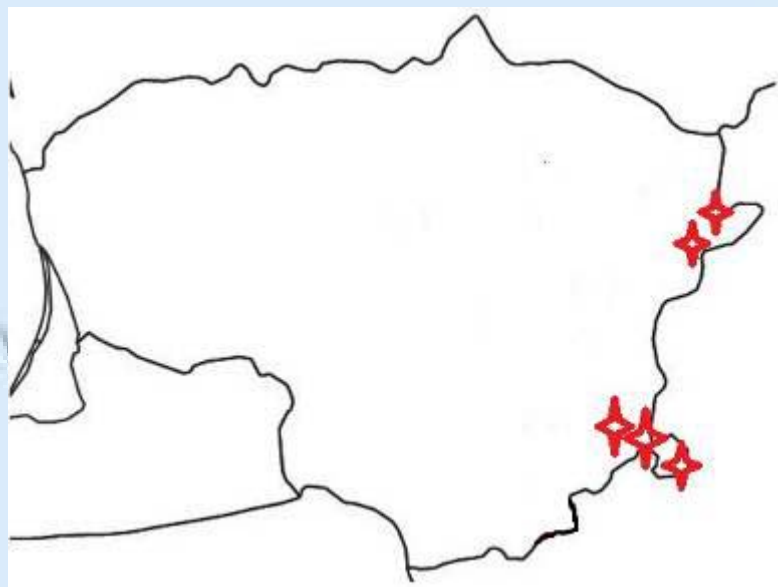
Domestic animals

Wild animals





## Situation of rabies in 2012 and 2013



## Effectiveness of vaccination 2012/2013

**2012**

**Tetracycline 82.15%**  
**Serology 53%**

**2013**

**Tetracycline 75%**  
**Serology 53.5 %**



# Effectiveness of oral rabies vaccination in 2013

2194 samples were tested for tetracycline and 1014 for detection of antibodies.

➤ ELISA was used for detection of antibodies for 841 foxes and 173 racoon dogs.

➤ For tetracycline 1764 foxes and 430 racoon dogs were tested.



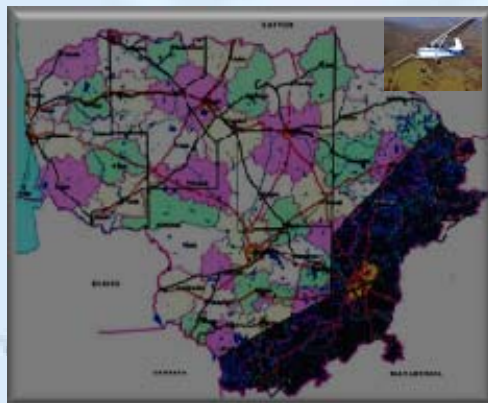


# Vaccines



☐ **FUCHSORAL vaccine (2011-2012)**

☐ **LYSVULPEN vaccine since 2013.**





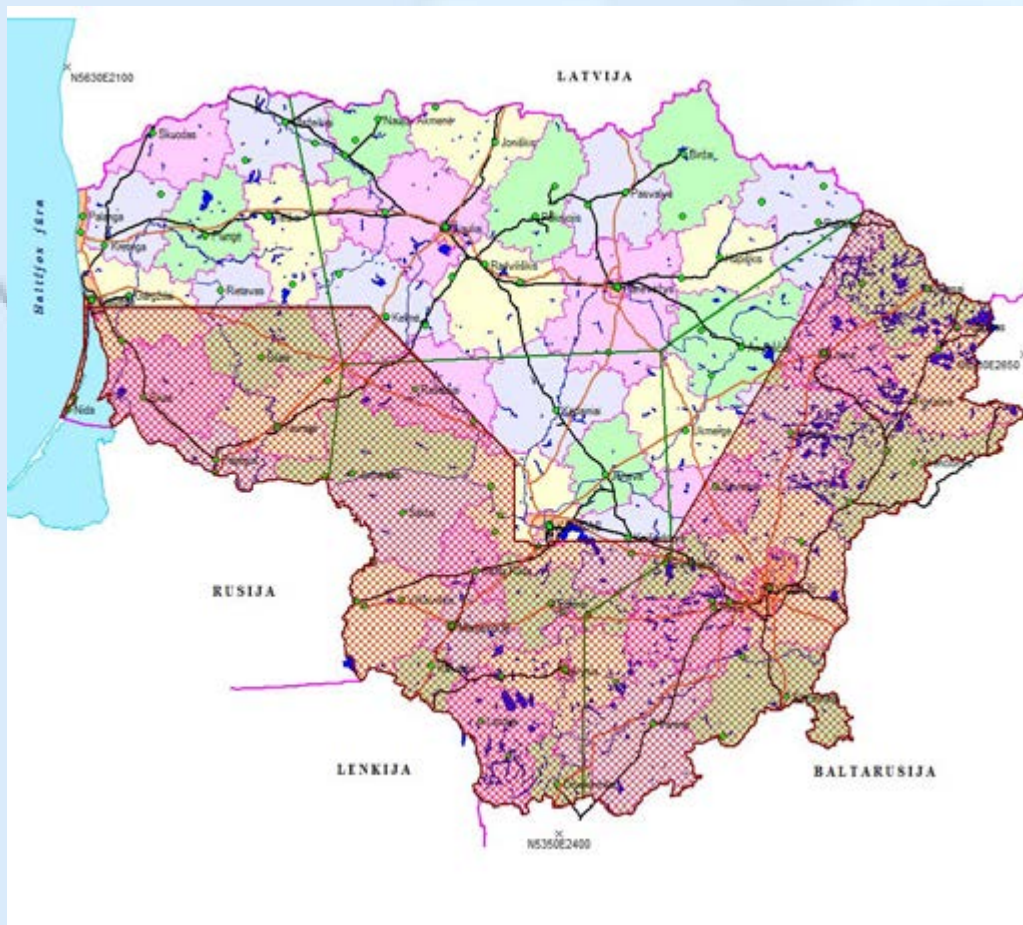
# Data of 2014



**No cases of rabies have been detected so far!**



# Further vaccination strategy



**2015-2017**

**Buffer zone of 50 km, 34300 sq. km**

**Not less than 25 baits per square km**

**Parallel lines (500 m or 1000 m)**

**857500 baits per campaign**



*Thank you for your  
attention!*