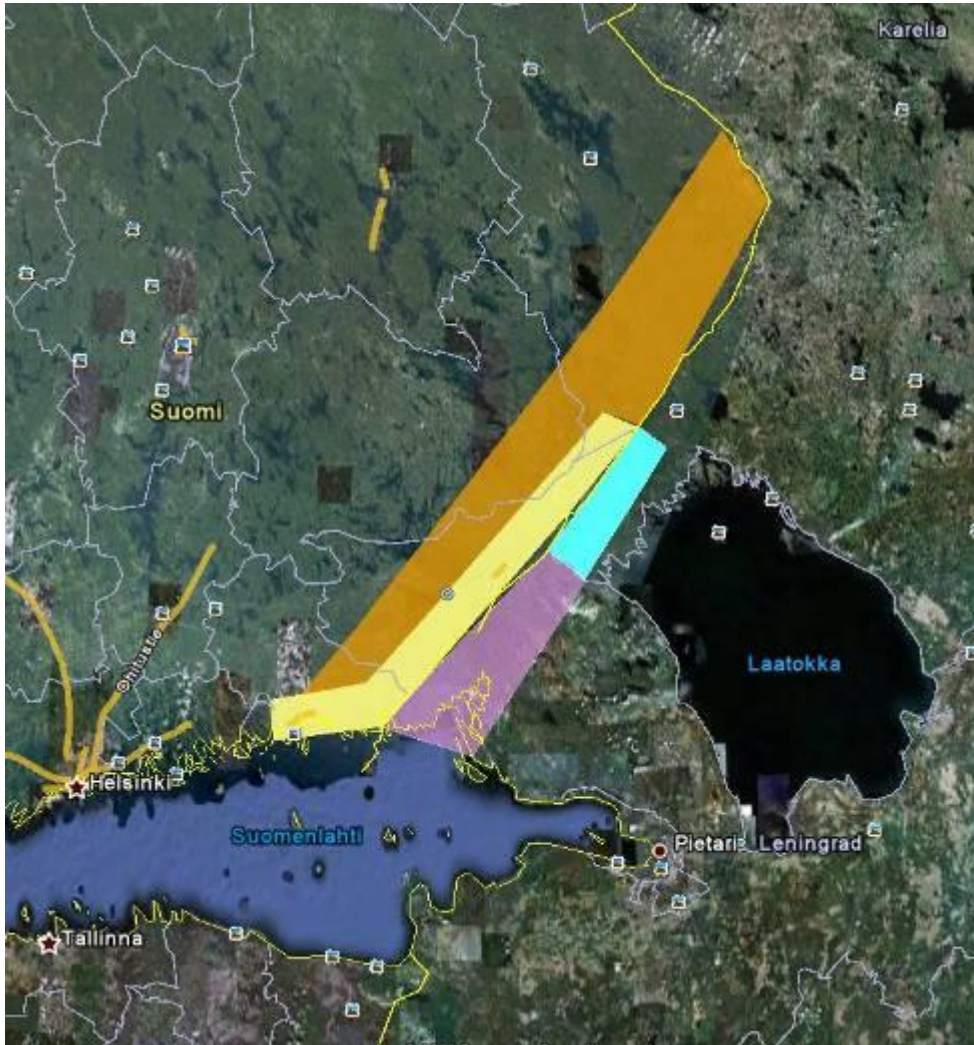


Implementation of Finnish rabies co-financed programme in 2013

Standing Committee on
Plants, Animals, Food and Feed
Section Animal Health and Welfare
Brussels
6-7 October 2014



Vaccination areas



Border vaccination
in Finland and in Russia
- to prevent incursions of rabies
from Russia

1. Finland

- 10 000 km²
- North and South Karelia regions
- Southern Savonia region
- Kymeenlaakso region

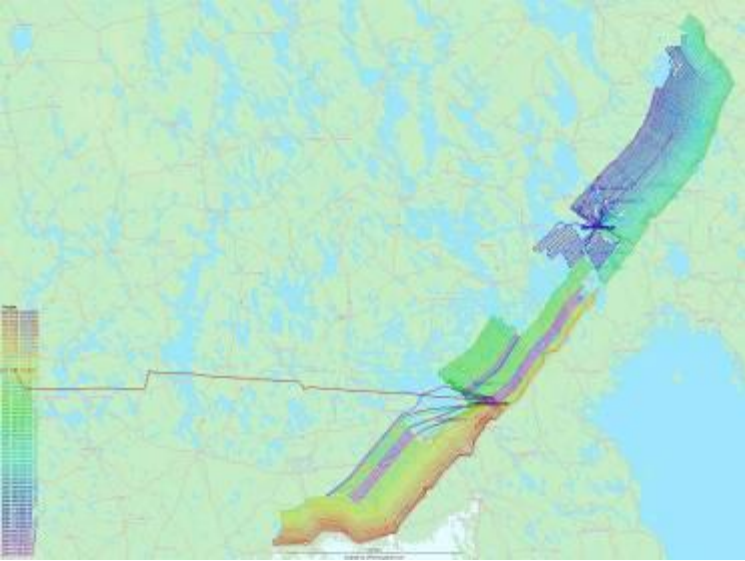
2. Russia

- 4 000 km²
- Republic of Karelia
- Leningrad oblast

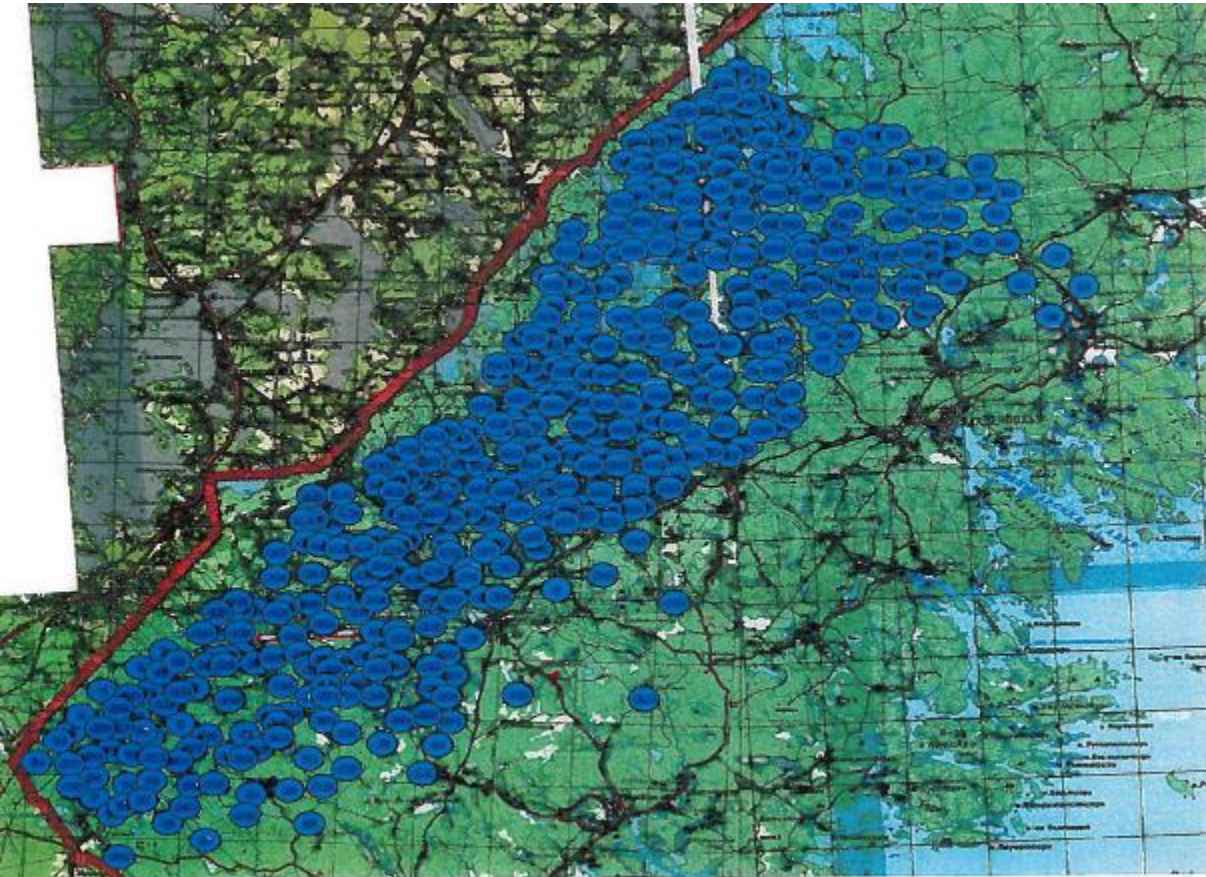


South-east Eastern - Finland

- 360.000 vaccine baits
- *Rabigen SAG2*
- density of 20 baits / km²
- May 2013
- September - October 2013
- aerial distribution with the use of GPS



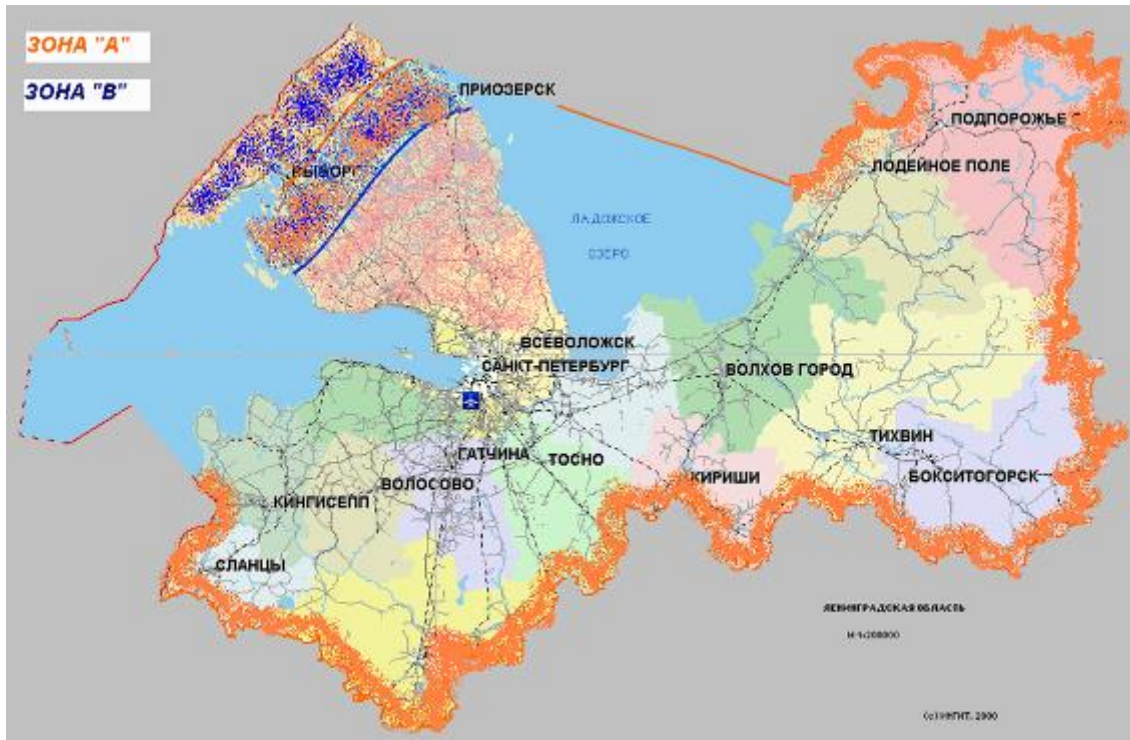
Ladoga Karelia



- 30.970 vaccine baits
- *Rabivak O/333*
- density of 21 baits / km²
- Autumn 2013
- manual distribution with the use of GPS



Leningrad oblast



- 60.000 vaccine baits
- *Rabivak O/333*
- 15 000 baits in spring 2013
- 45 000 baits in autumn 2013
- manual distribution without the use of GPS



Surveillance and monitoring

In Finland all rabies tests are carried out by Evira

- ✓ Virus detection: FAT, virus isolation
DNA/RNA test (RT-PCR)

- ✓ Bait uptake: Tetracycline
- ✓ Efficiency of vaccination: Serology RFFIT

- ✓ Titration of the vaccine
 - control of suitability of baits before distribution
 - determination of virus titre in baits
- ✓ Age determination of wildlife

In Russia rabies tests are carried by FGI ARRIAH



Surveillance

Finland

879 wild animals for classical rabies (893 with bats)

43 domestic animals

130 suspected animals for classical rabies

388 animals in the vaccination area

Russia

375 wild animals

All with negative results



Monitoring of efficacy of vaccination campaign

1) Bait uptake

- determination of TC biomarker
fluorescence microscopy in mandible and tooth

388 foxes and raccoon dogs - 51 % TC positive

2) Herd immunity

- detection of vaccine antibodies
in blood samples (titres >0.5 IU/ml)

- 127 foxes and raccoon dogs out of 366 – 34,7 %
seropositive



Financial aspect

Costs of implementation of 2013 rabies program

Finland

| | |
|-------------------|--------------|
| Bait purchase | 259 200.00 € |
| Bait distribution | 83 250.00 € |
| Sampling | 3 200.00 € |
| Laboratory costs | 24 263.22 € |

Russia

Bait purchase in the vaccination zone RUB 1 083 000.00

Community co-financing:

- Commission Implementing Decision 2012/761/EU
- for max of contribution of 400 000 € by the Union for Finland and 100 000 € for Russia



Thank you for your attention

