# Implementation of Finnish rabies co-financed programme in 2017

Standing Committee on
Plants, Animals, Food and Feed
Brussels
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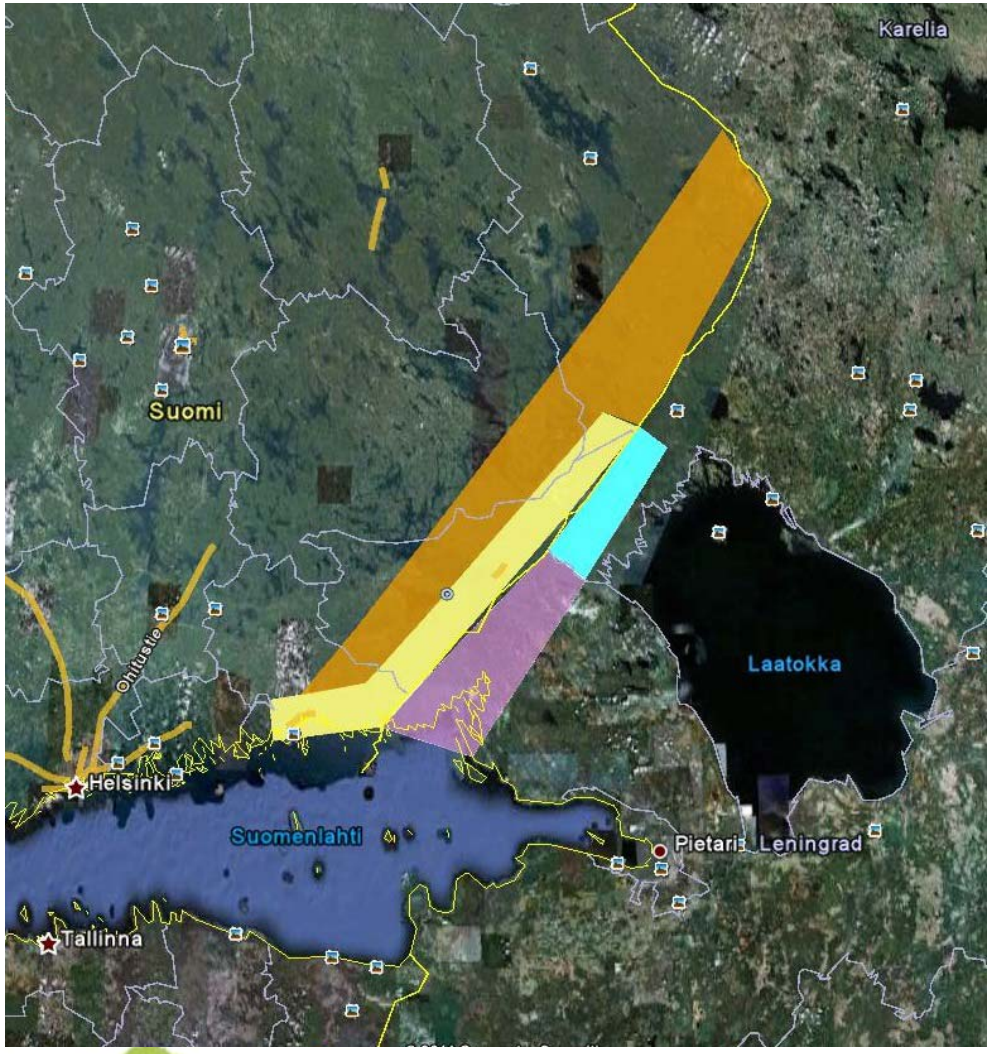
# Rabies situation and evolution in past years

- Finland has been rabies free since 1991
- No cases of rabies in neighbouring Karelia since 2011, one case in Leningrad close to the border with Novgorod in 2017
- The programme has remained the same since 2014

# Vaccination areas




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

1. Finland
   - 10 000 km$^2$
   - North and South Karelia regions
   - Southern Savonia region
   - Kymenlaakso region

2. Russia
   - Republic of Karelia (1238 km$^2$)
   - (Leningrad oblast, no EU financing requested)

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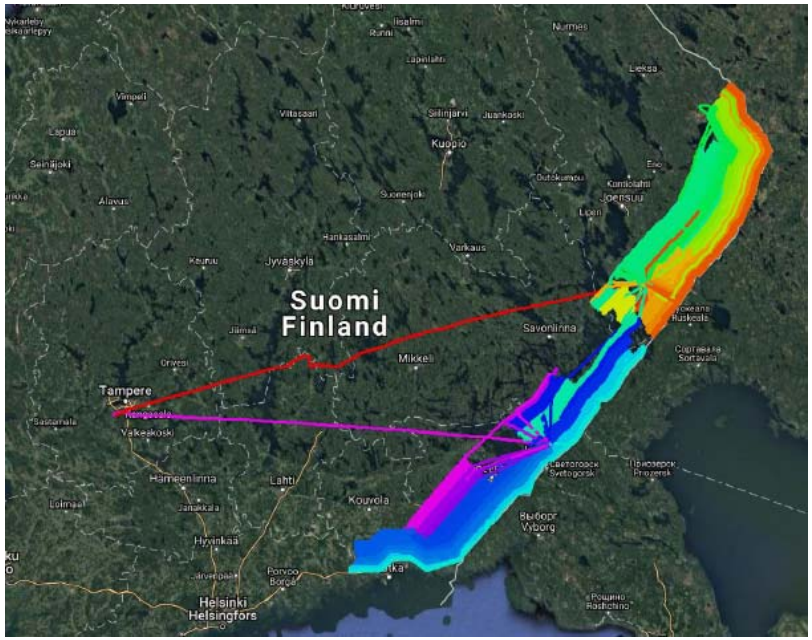
# South-east
# Eastern - Finland




- 180.000 vaccine baits
- *Fuchsoral* vaccine
- density of 20 baits / km$^2$

- September - November 2017

- aerial distribution with the use of GPS

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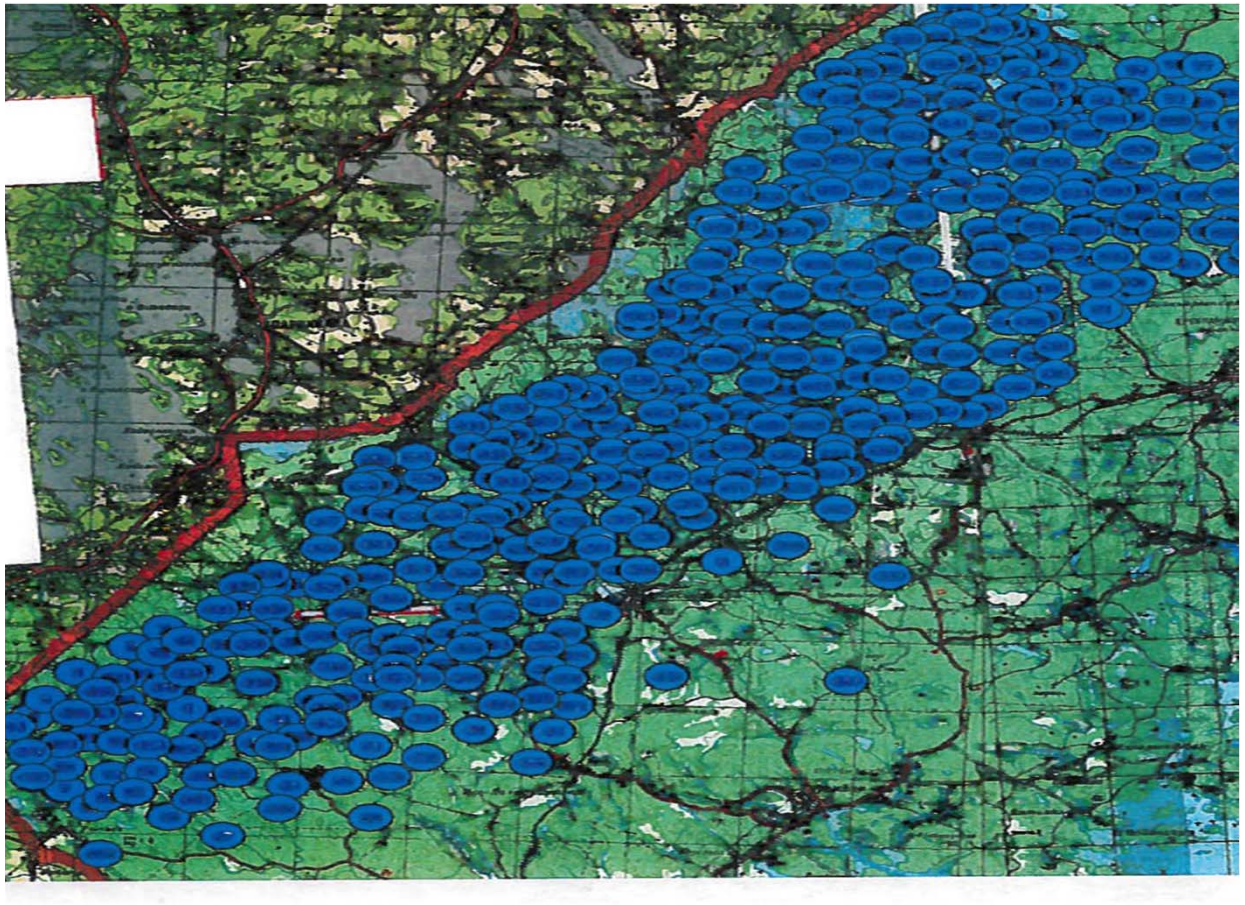
# Ladoga Karelia



- 30.970 vaccine baits
- *Rabivak O/333*
- November 2017

- manual distribution

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# Surveillance

Finland

460 wild animals for classical rabies (538 with bats)

34 domestic animals

120 indicator animals for classical rabies (188 with bats)

378 animals in the vaccination area

Total number of animals examined 494 (572 with bats)

Karelia

13 wolves, 4 foxes and 1 raccoon dog tested

All with negative results, except one Kotalahti bat lyssavirus (KBLV) case in a bat in Finland

# Monitoring of efficacy of vaccination campaign in Finland

1) Bait uptake
   determination of TC biomarker
   fluorescence microscopy in mandible and tooth

   341 foxes and raccoon dogs - 69 % TC positive

2) Herd immunity
   detection of vaccine antibodies in blood samples (titres >0.5 IU/ml)

   268 foxes and raccoon dogs - 43 % seropositive

Monitoring was also carried out in Karelia but all details were not available.

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# Main challenges

Finland

to receive sufficient numbers of wild indicator animals for surveillance

Karelia

surveillance and monitoring, samples and results

# Thank you for your attention

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