



Results of the implementation of the Rabies co-financed eradication programme in 2018

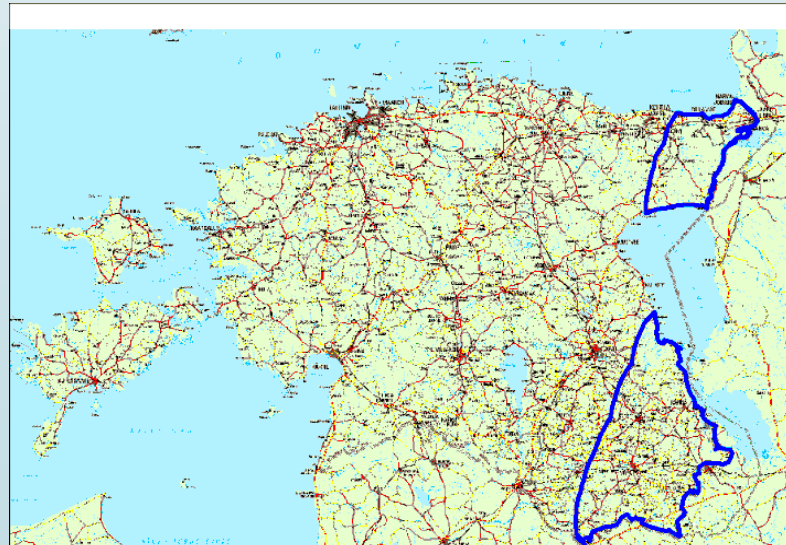
ESTONIA

PAFF Committee
24-25 October 2019
Brussels



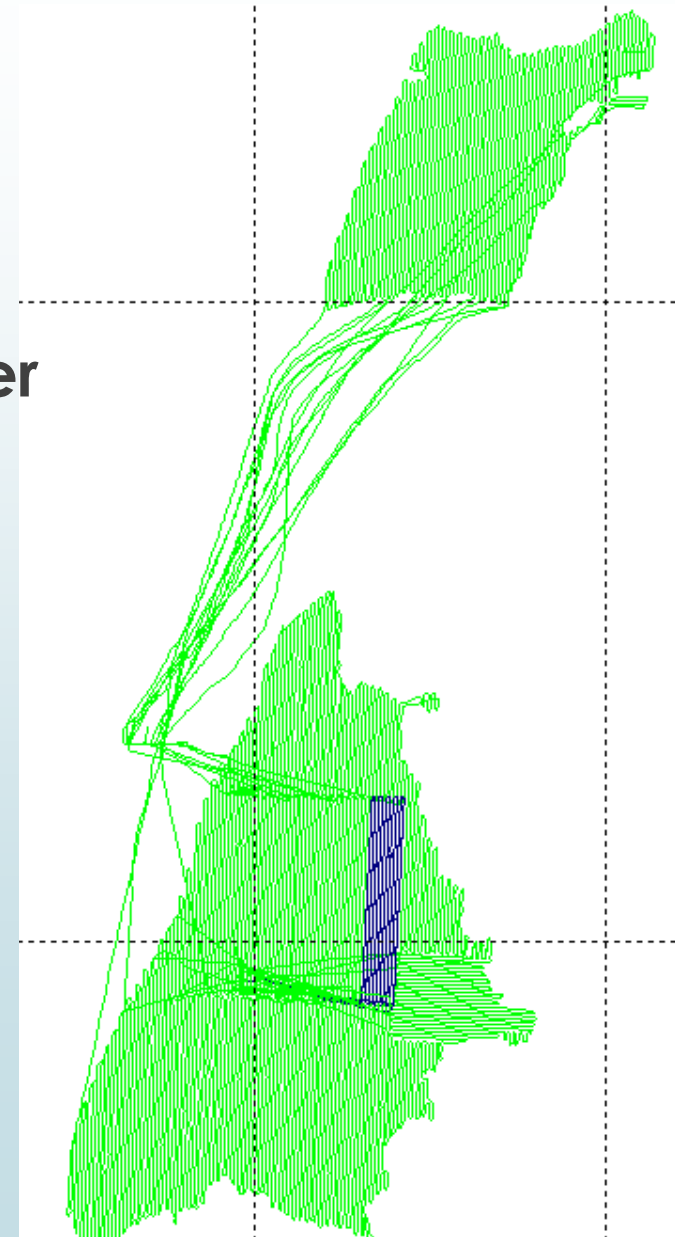
ORV in 2018, vaccination area

- ▶ Buffer-vaccination between Estonia and Russian Federation to prevent reintroduction of rabies
- ▶ Depth of immune –belt:
 - ▶ 30 km in north –east of river Narva bordering Leningrad Region
 - ▶ 50 km in south-east bordering by land with Pskov Region
- ▶ Area suitable for bait-dropping 6 100 km²
 - ▶ Areas excluded from baiting:
 - ▶ urban areas, buildings
 - ▶ water bodies, wet fields
 - ▶ active coal mines
 - ▶ animal pastures in use



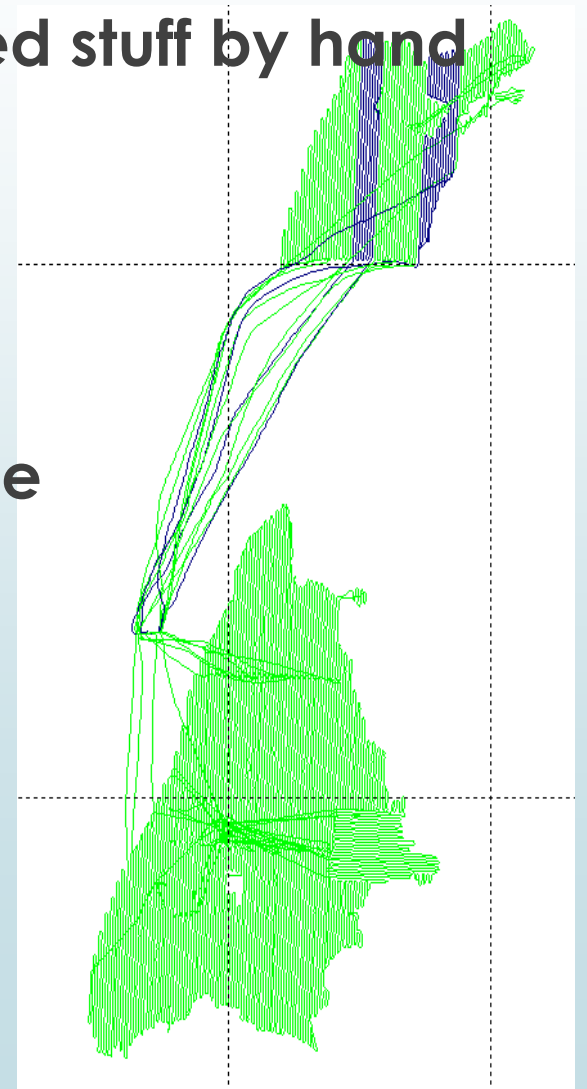
ORV in 2018, vaccination strategy (1)

- ▶ 2 seasonal campaigns:
 - ▶ Spring - from 14th to 19th May
 - ▶ Autumn- 17th to 22th of September
- ▶ Baiting density: 20 baits/km²
- ▶ Baits used: Rabitec baits produced by IDT
 - ▶ 244 00 baits distributed in total (50%/50%)



ORV in 2018, vaccination strategy (2)

- Distribution by Cessna 172, GPS recording of flight data
- Bait- dropping carried out by trained staff by hand
- Dropping lines distance- 550-600m
- Altitude form ground – 100- 150 m
- Flight speed – 160 - 180 km/h
- Continuous checks on maintenance of the cold-chain
- Titration in the OIE RL for Rabies/
WHO Collaborating Centre for Rabies
Surveillance and Research
FLI of both batches before bait-drop



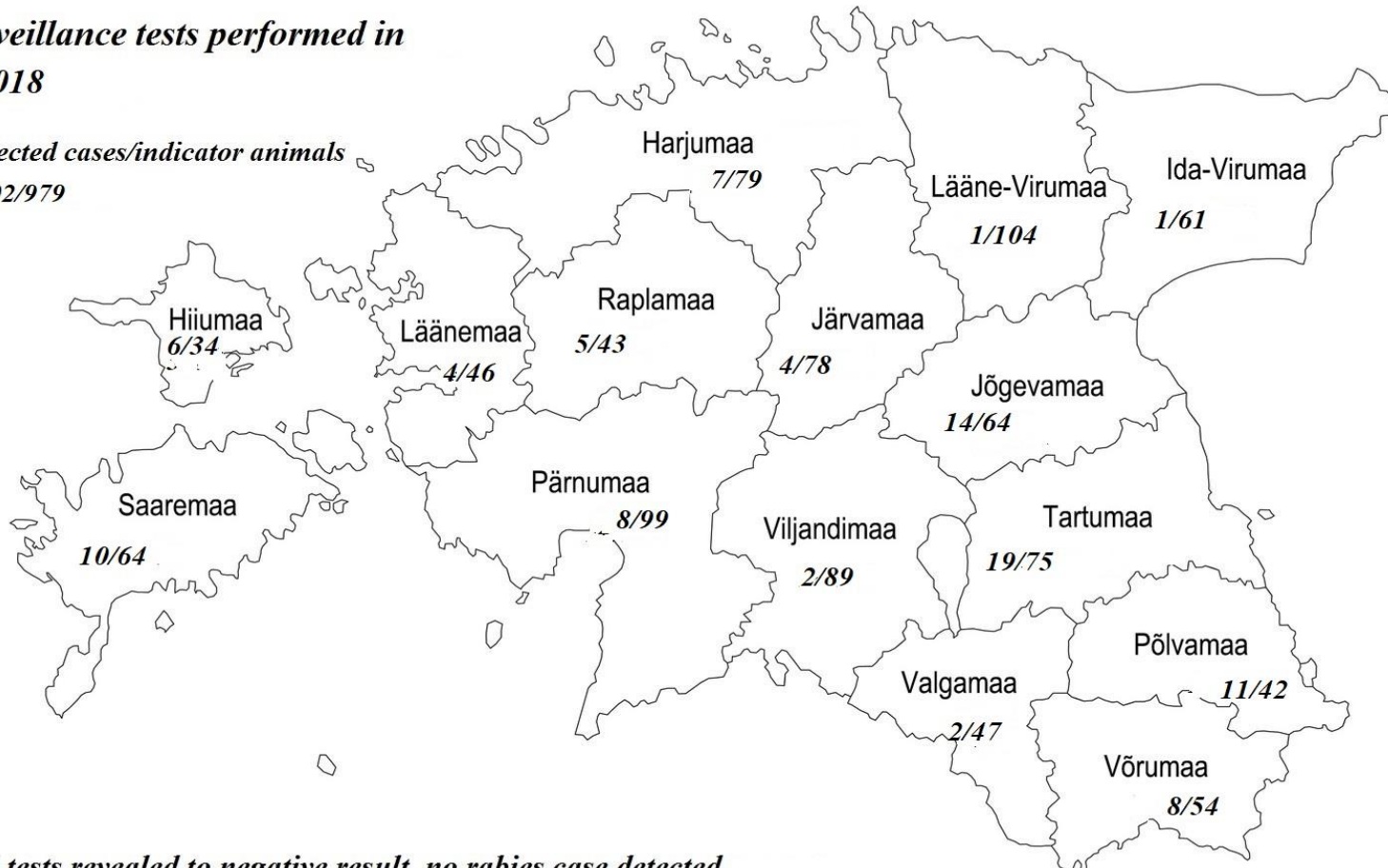
Surveillance in 2018

Indicator animals tested for virus: 979, 440 foxes/539 raccoon dogs

Suspected animals tested for virus: 102, wildlife- 81/domestic- 21

*Surveillance tests performed in
2018*

*Suspected cases/indicator animals
102/979*



All tests revealed to negative result, no rabies case detected.

Results of marker detection in 2018

- ➔ ~69% of tested animals found positive,
- ➔ ~ 66 % of foxes / ~ 73 % of racoon dogs



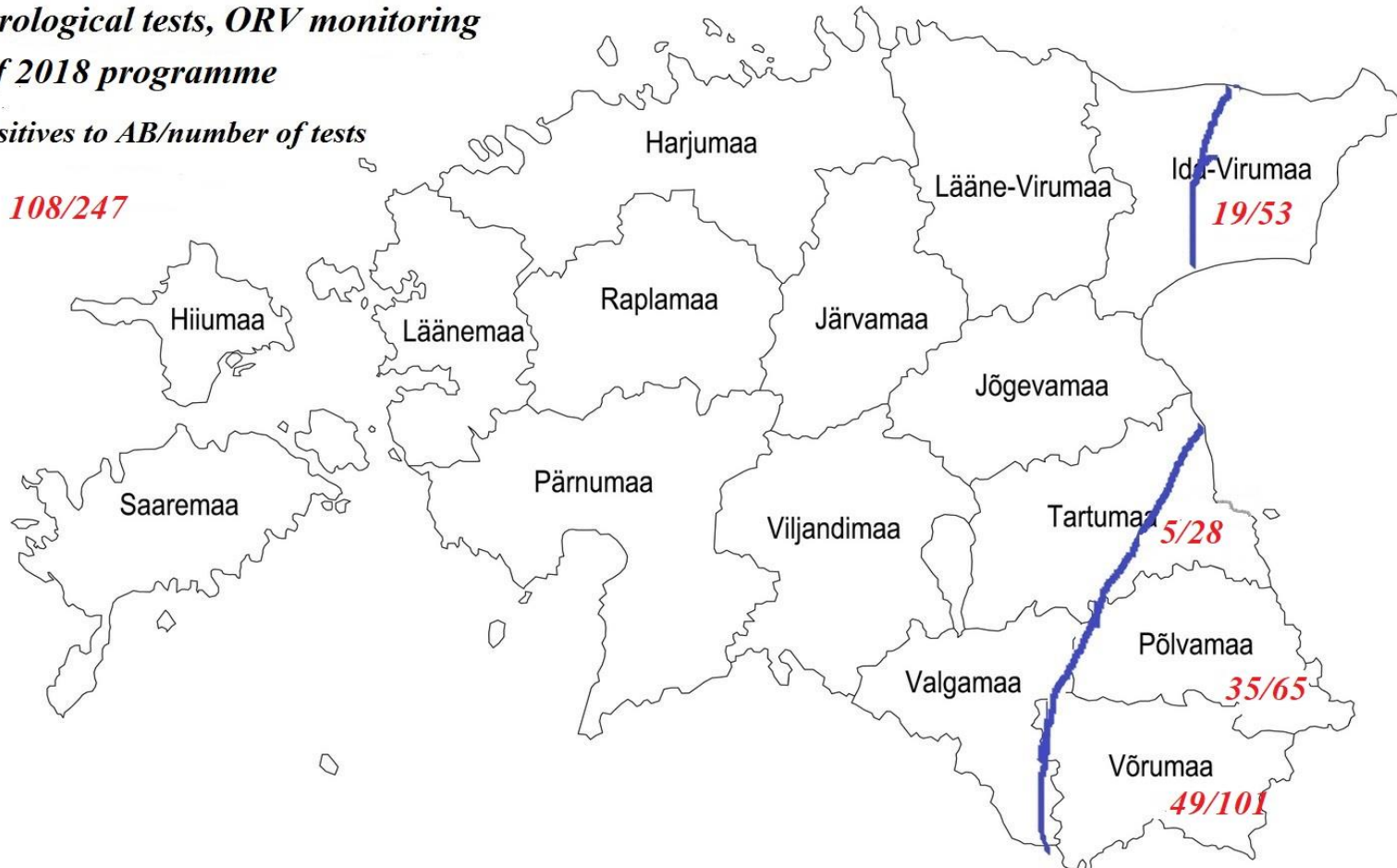
Results of seroconversion in 2018

- ▶ ~44% of tested animals found positive,
- ▶ ~ 46 % of foxes / ~ 40 % of racoon dogs

*Serological tests, ORV monitoring
of 2018 programme*

Positives to AB/number of tests

108/247



Challenges faced

- Serious drawback faced in the end of 2017, when decision to discontinue manufacture of Rabigen SAG2 was made public
- No vaccine available corresponding to criteria to be registered and as well as released for using in the market since autumn 2017 till spring 2018
- Rabitec vaccine produced by IDT registered in EMA in late 2017
- Nevertheless, no campaign missed in 2018, two seasonal campaigns performed as planned
- Distribution pattern and baiting density kept strictly as in previous years
- Number of surveillance samples adequate
- Number of monitoring samples collected 4 animals/100 km²
- ORV monitoring results moderate
- No rabies case found despite of intensive surveillance in all areas of the country



Thank you for attention!