



World Organisation
for Animal Health
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UPDATE ON RABIES SURVEILLANCE AND CONTROL PROGRAM IN ROMANIA (2021-March 2023)

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Features of ORV program

- In 2021:

- No ORV campaigns



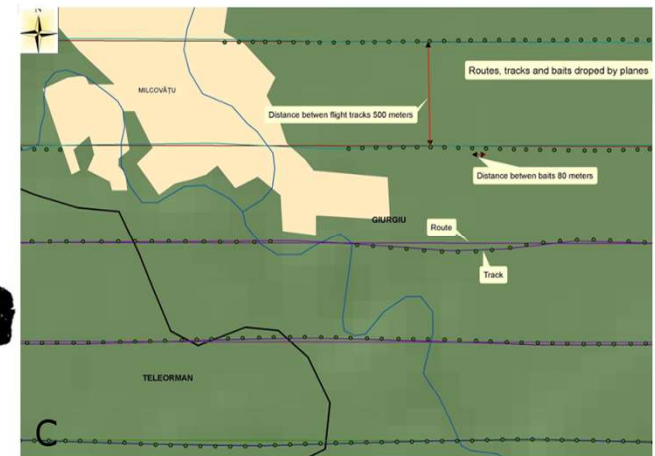
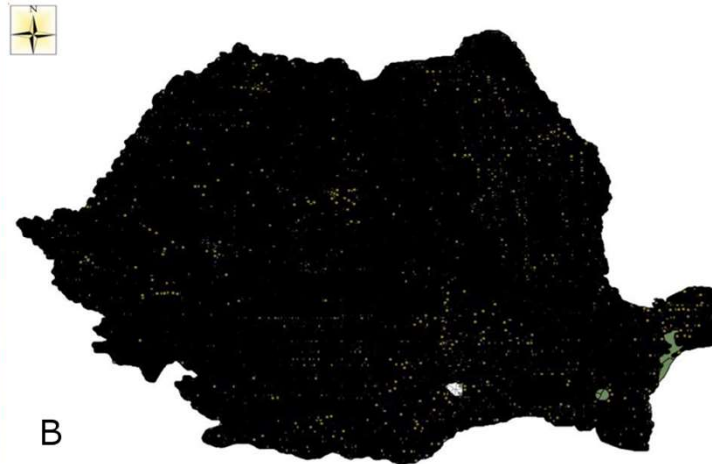
- In 2022:

- One campaign 09.11.2022 - 30.12.2022
- 5.409.775 vaccine baits for aerial distribution and 75.400 vaccine baits for manual distribution were used
- Number of batches analysed: 13



- In 2023:

- No ORV campaigns so far!

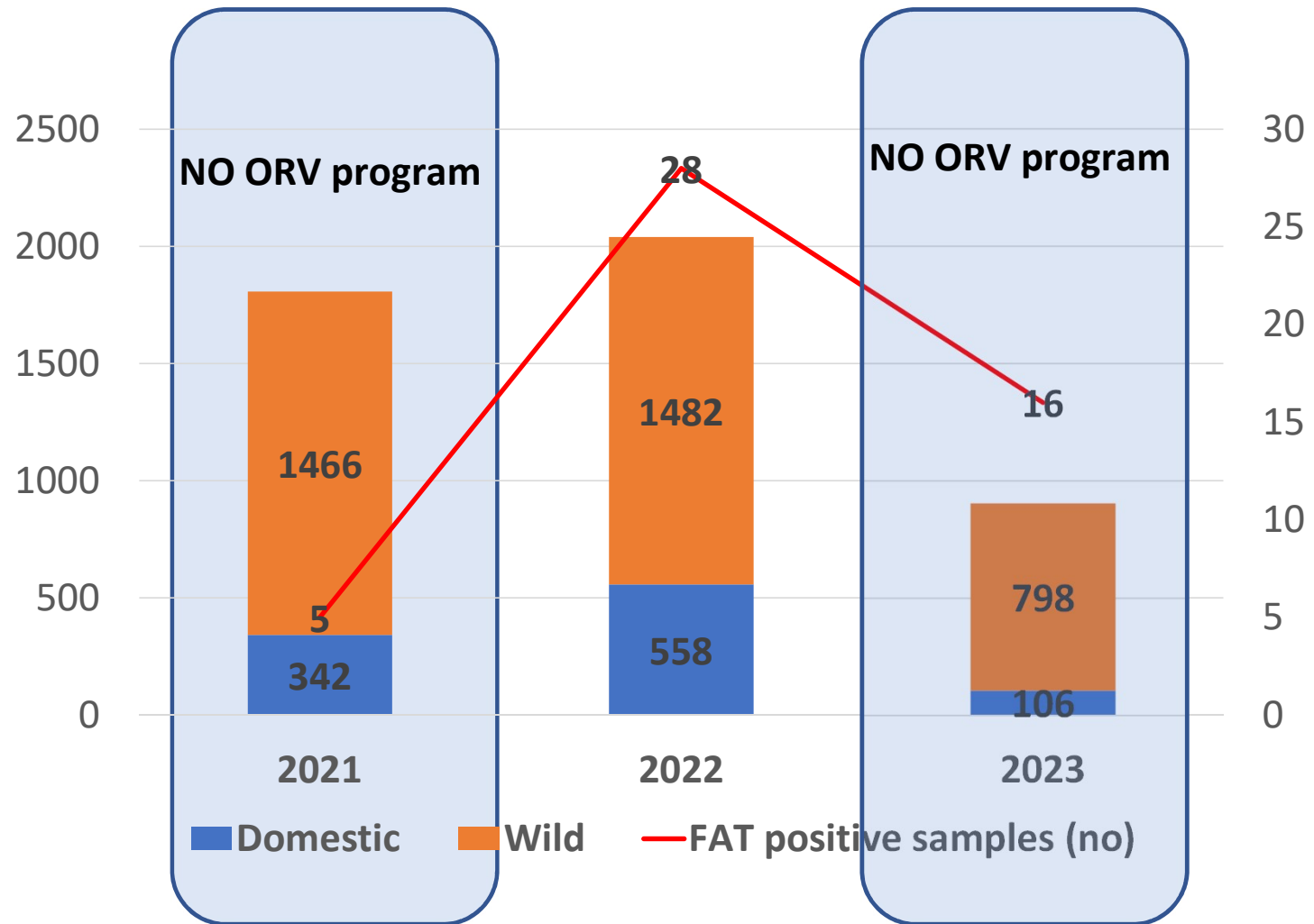




Rabies Laboratory Capacity

- Rabies diagnosis is currently based only on the WOAHA recommended methods (FAT, DRIT, RTCIT, RT-PCR, Sequencing).
- Rabies serology: FAVN
- Monitoring of the efficacy of the ORV program:
 - ELISA (Bio-Rad/BioPro)
 - TD
- Since 2006-2009 all these methods are accredited by Romanian Accreditation Body according to ISO 17025:2017 standard.
- In addition, NRL for Rabies is accredited to ISO 17043:2010 standard as proficiency test provider for FAT, ELISA and tetracycline detection.

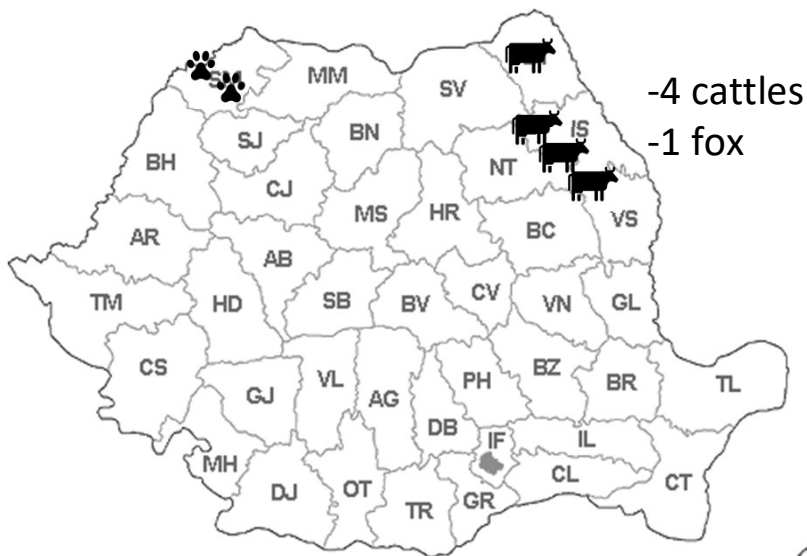
Passive surveillance vs FAT positive samples



Rabies positive cases

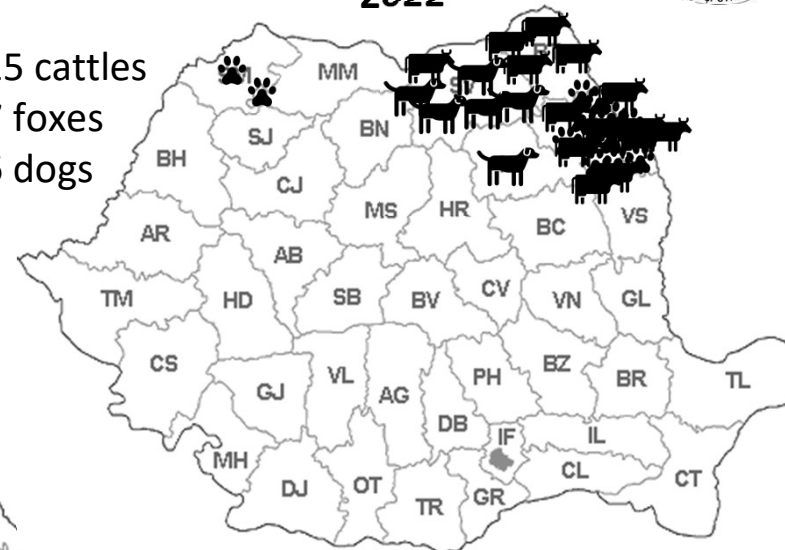


2021



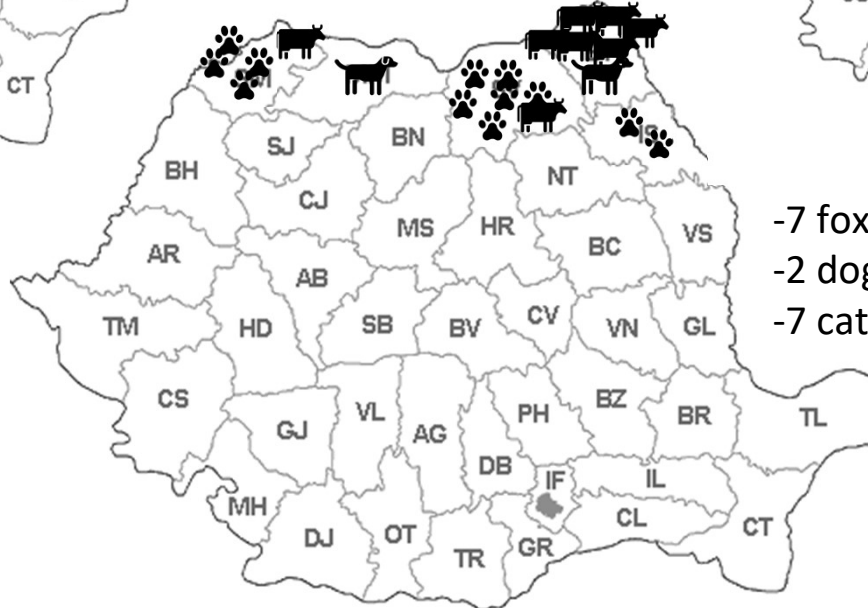
-4 cattles
-1 fox

2022



-15 cattles
-7 foxes
-6 dogs

2023

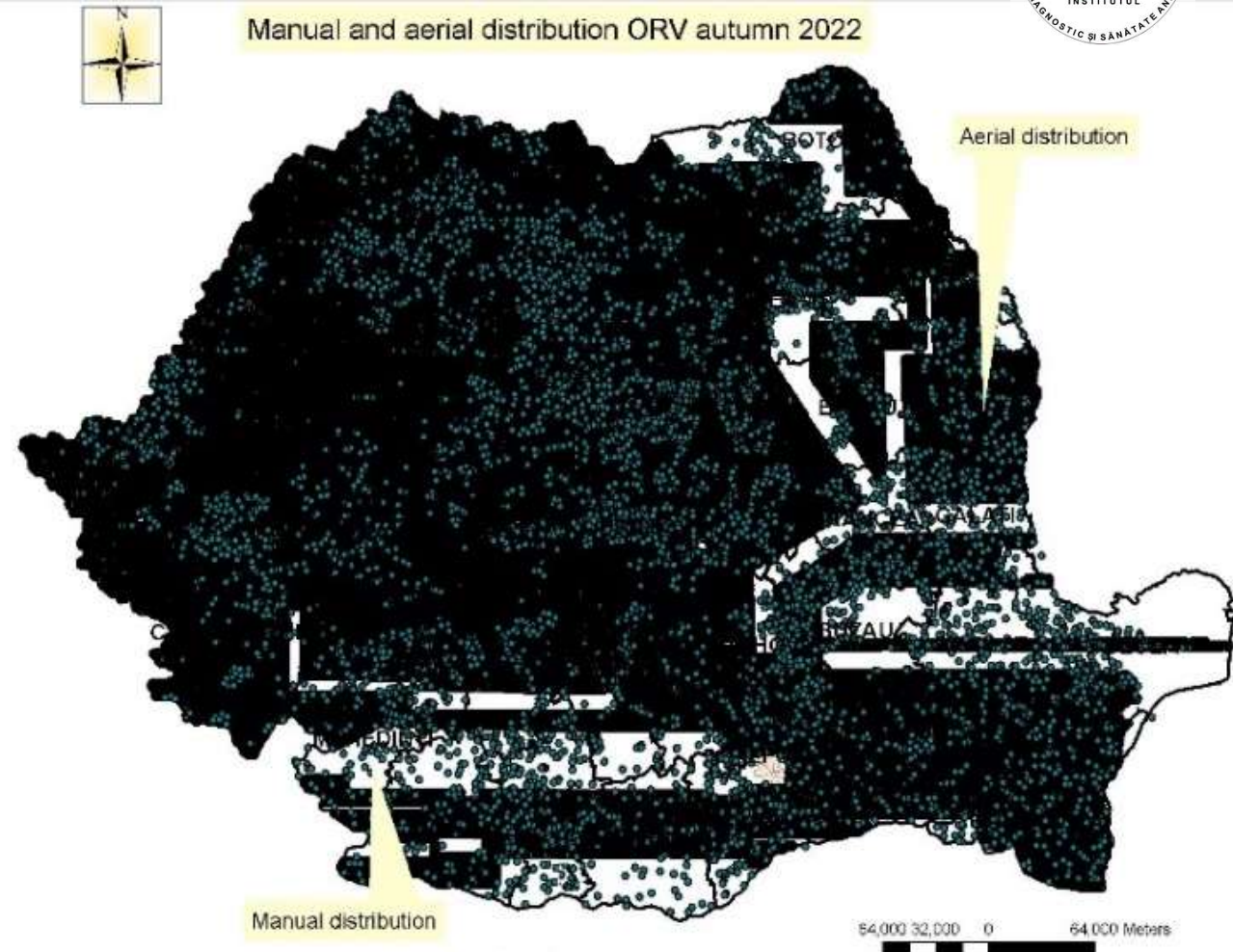


-7 foxes
-2 dogs
-7 cattles

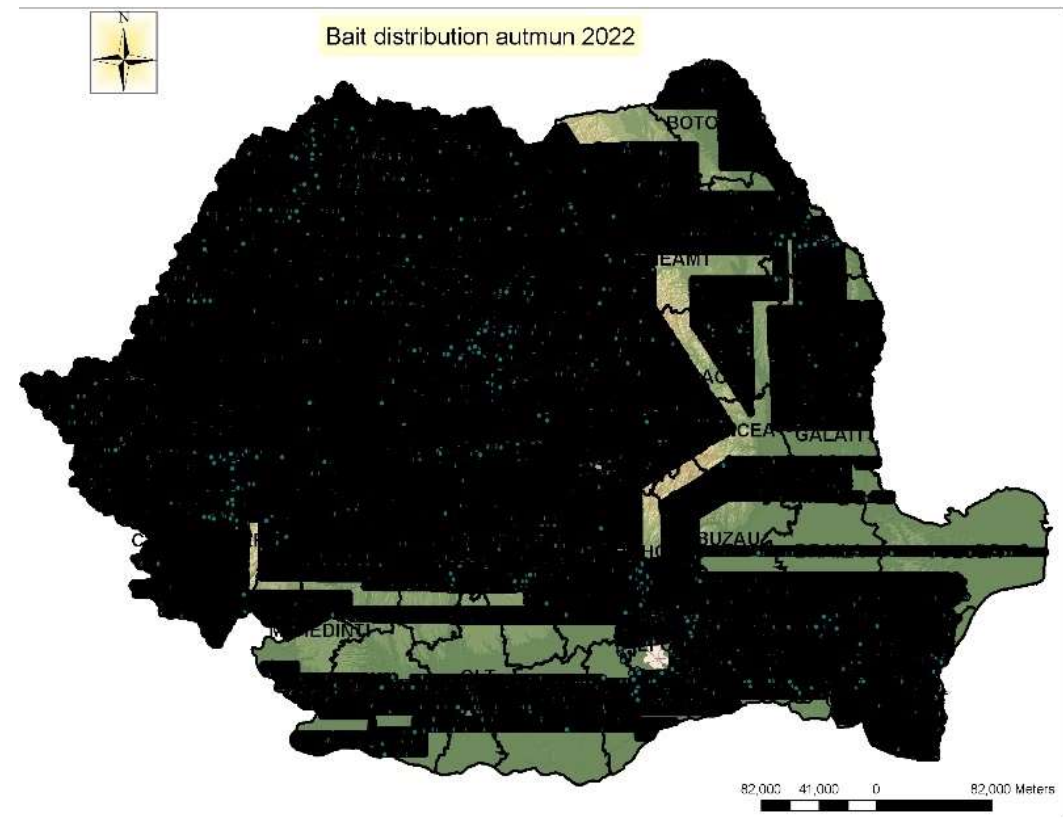
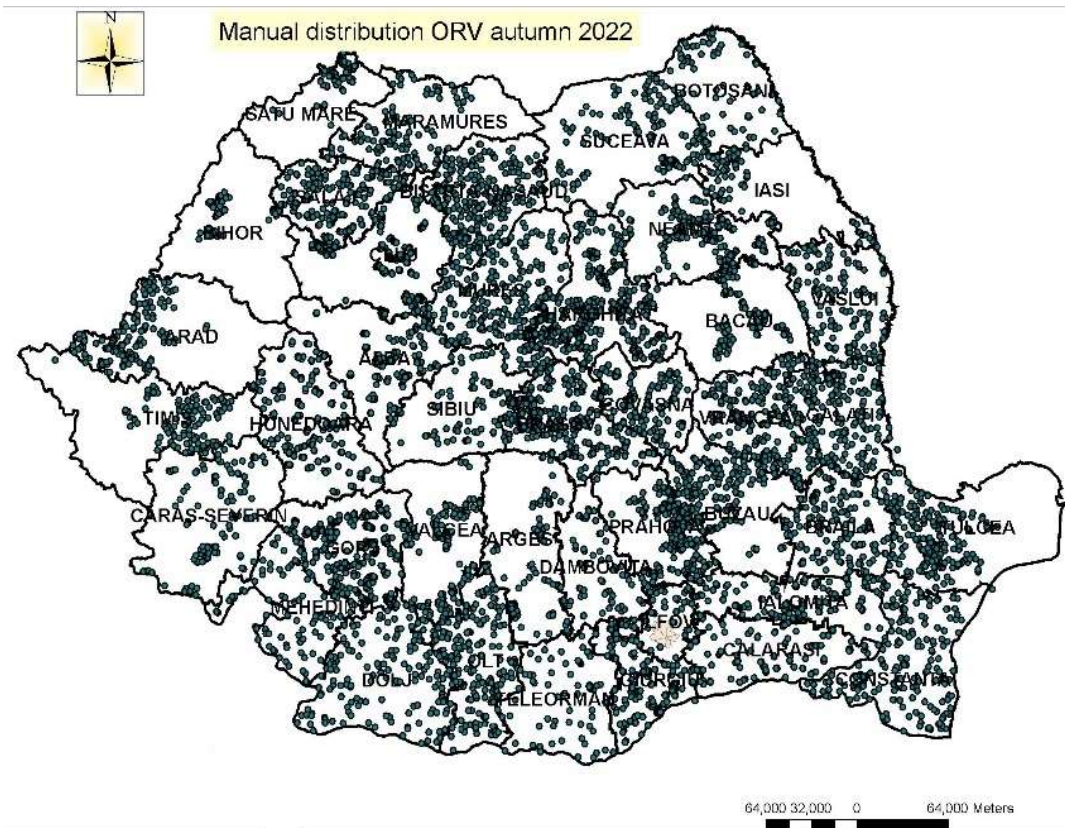
ORV program-2022



- 9.11-30.12.2022 autumn campaign
- Received 5.409.775 baits
 - 4.150.743 baits by aerial distribution
 - 1.183.365 baits were not distributed due to the bad weather conditions.
 - Covered 80% of eligible surface.
 - 75.400 baits for manual distribution organized by veterinary regional directorates and hunters associations.



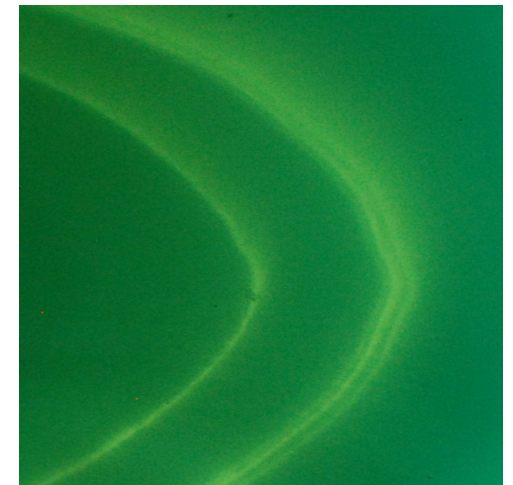
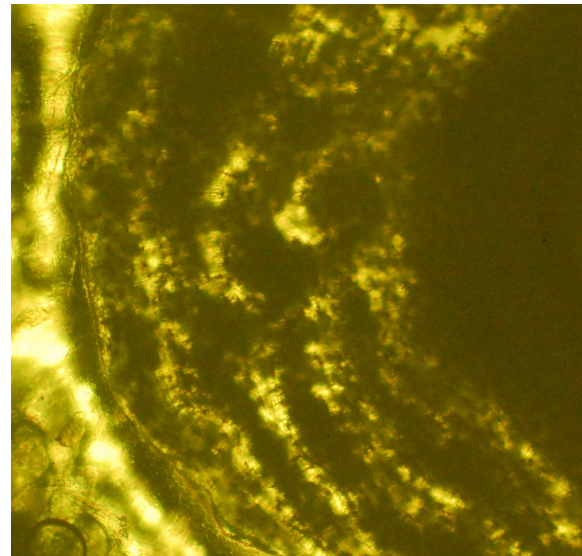
ORV program-2022



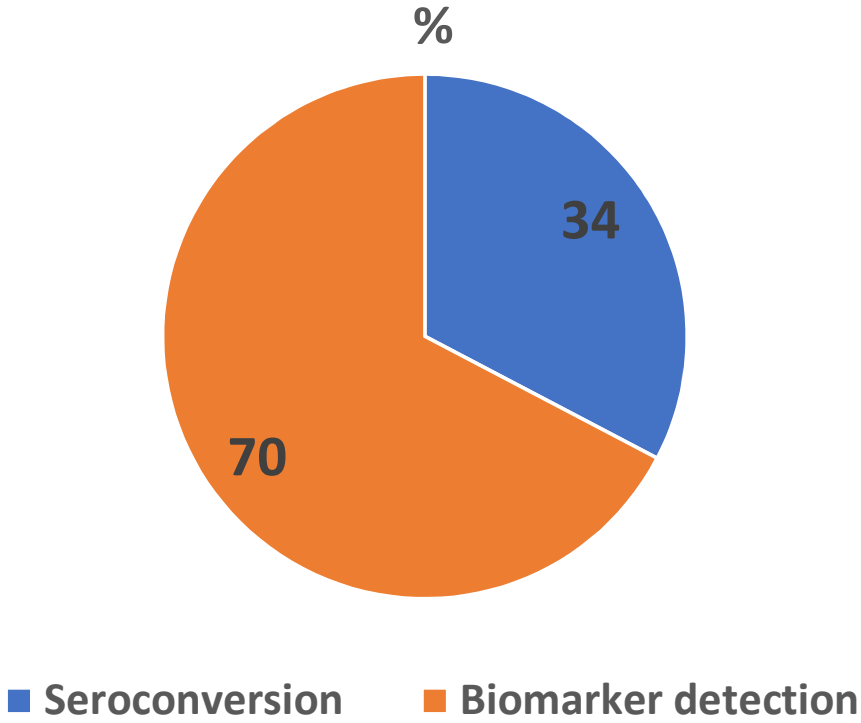
Monitoring of the efficacy of ORV program



- NRL
- 4 regional laboratories
 - Age determination
 - Biomarker detection
 - Immunization:
 - ELISA (Biorad/BioPro)



Results of monitoring of the ORV program efficacy



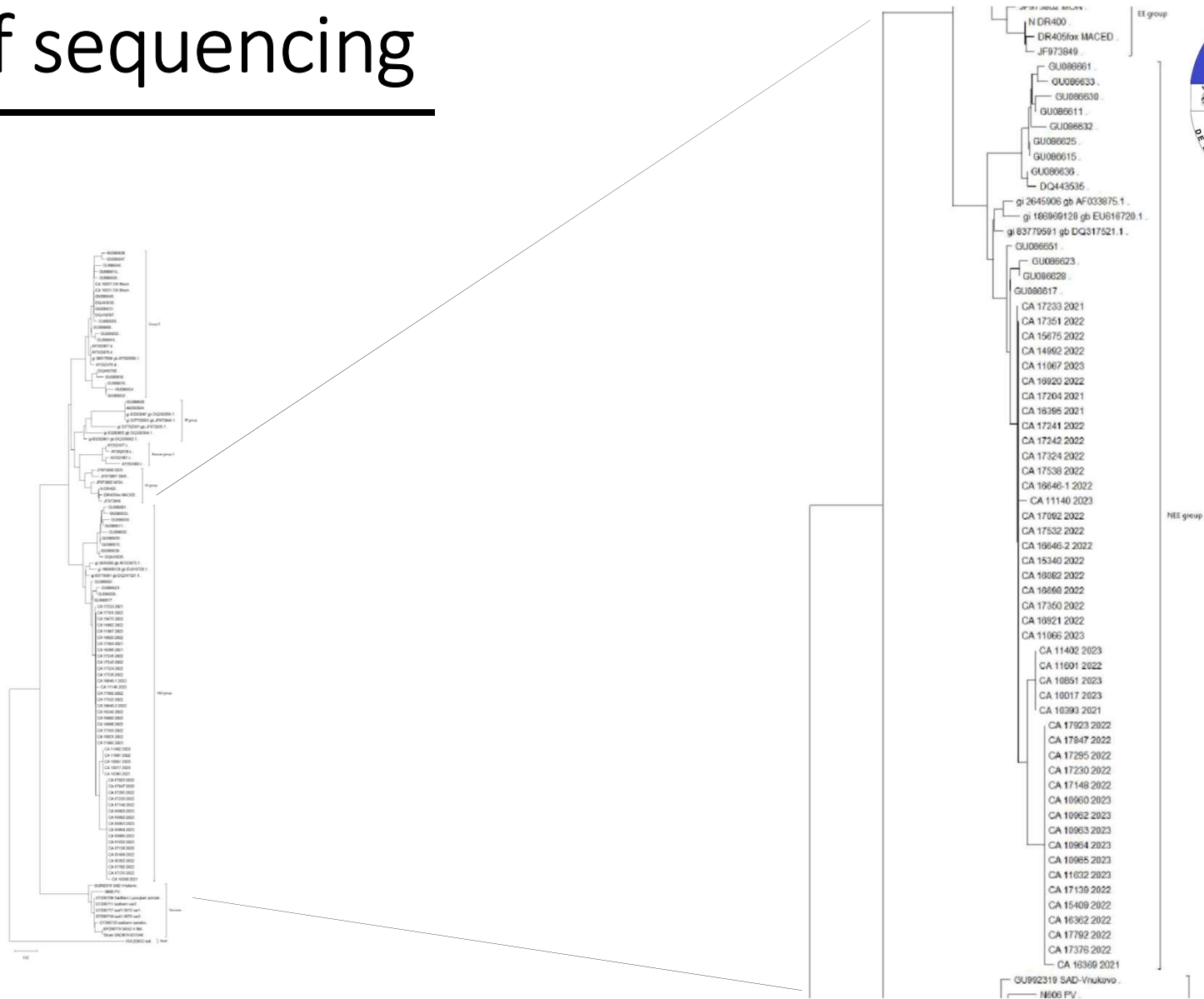
Results of sequencing

-N gene fragment

-one step hemi nested RT-PCR

-BioEdit, Mega 11

-samples analyzed from 2021-2023 belong to NEE genotype



Thank you for your
attention!

