



LIFE EREMITA Final Conference

Risultati conseguiti e prospettive future

10.06.2022

DAMSLab
Bologna



Adelė Banelienė, Lithuanian Fund for Nature

Networking between Projects LIFE Osmoderma* and LIFE Eremita

*Ecological network for *Osmoderma eremita* and other species dependent on veteran trees



Con il contributo dello strumento finanziario LIFE dell'Unione Europea LIFE 14 NAT/IT/000209 EREMITA







LIFE Osmoderma Project

- 4 organizations (3 Lithuanian + 1 Latvian)
- 2017 09 01 – 2022 03 31
- ≈1 000 000 eur
- Protection of veteran trees
- Restoring hermit beetle population
- Training Osmo-dogs
- Developing smart pheromone traps
-



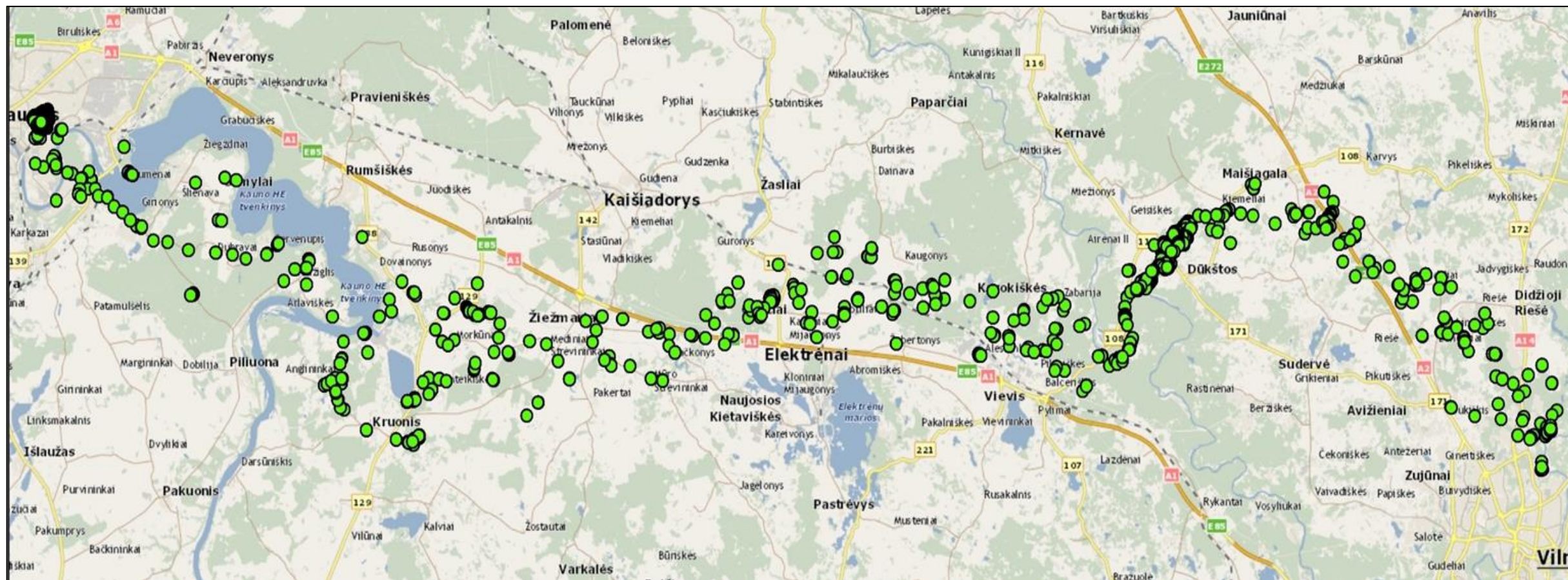
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1591 trees were investigated.
Arboristic measures implemented for 643 trees.





Management and restoration of veteran trees. Main measures

→ Agreements on protection with tree owners and permissions to implement arboristic work from relevant institutions. For 643 trees



Canopy management



Removal of overshadowing young trees

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Restoring a viable population of hermit beetles

- Approx. 1447 larvae were bred in the captivity
- Part of the developed larvae and cocoons released into 2 artificial habitats in 2020, 2021 and 2022
- Restoration proved to be successful



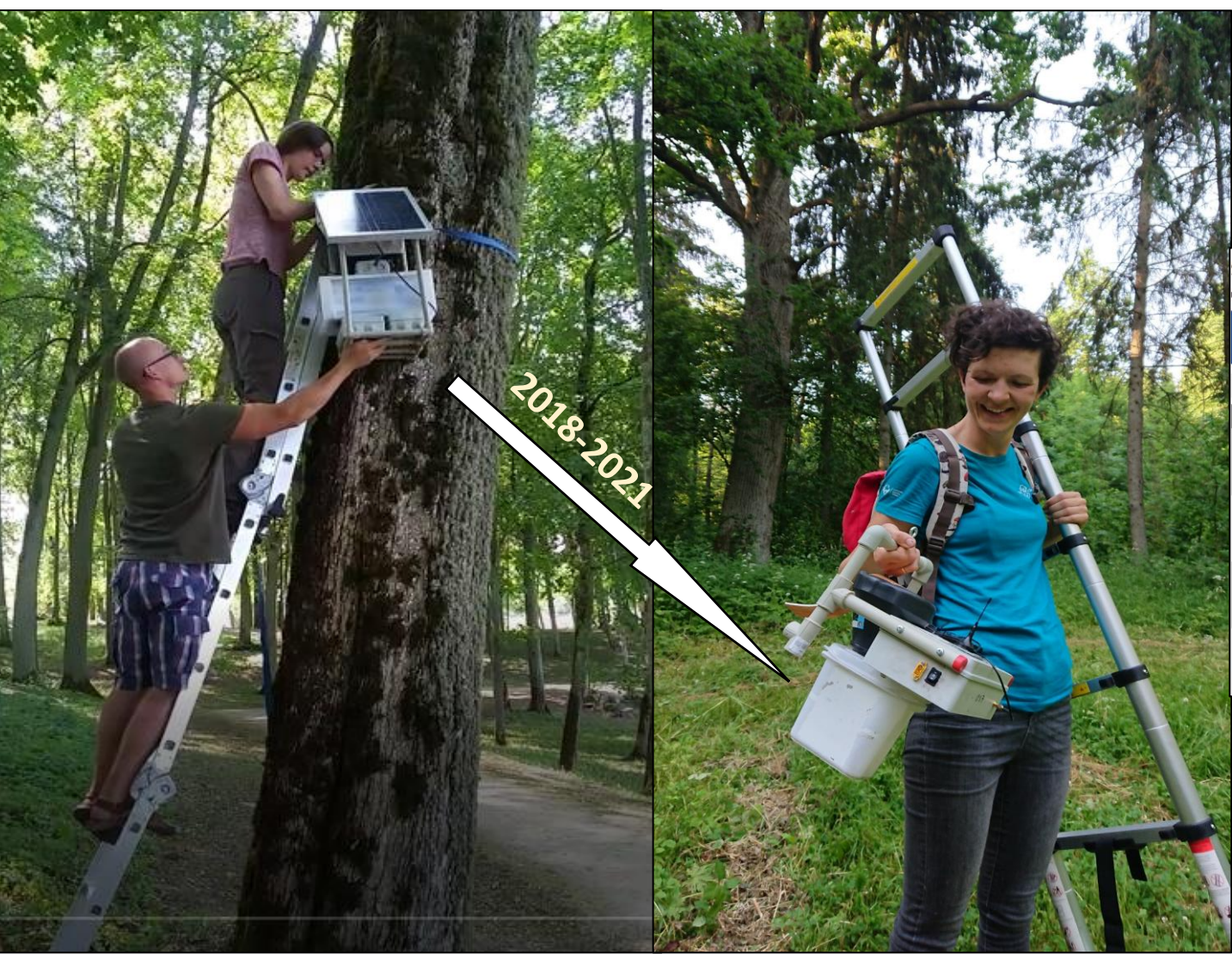


Training of Osmo-dogs for larvae detection





Development and trial of prototype of the smart pheromone traps



Smart pheromones traps online date

Project "Ecological network for *Osmoderma eremita* and other species dependent on veteran trees" LIFE16 NAT/LT/000701



Search for trap:

| ID | Date and Time | Temperature | Humidity | Clogging | GUID | Net speed Mb/Sec | Photo |
|-------|---------------------|-------------|----------|----------|---------|------------------|-------|
| 23654 | 2021-06-28 12:44:53 | 22.7 | 79.2 | | trap050 | 0 | |
| 23653 | 2021-06-28 12:41:33 | 21.1 | 80.1 | 7.8 | trap015 | 0 | |
| 23652 | 2021-06-28 12:39:33 | 22.5 | 92.8 | | trap046 | 0 | |
| 23651 | 2021-06-28 12:25:34 | 18.7 | 91.2 | | trap034 | 0 | |





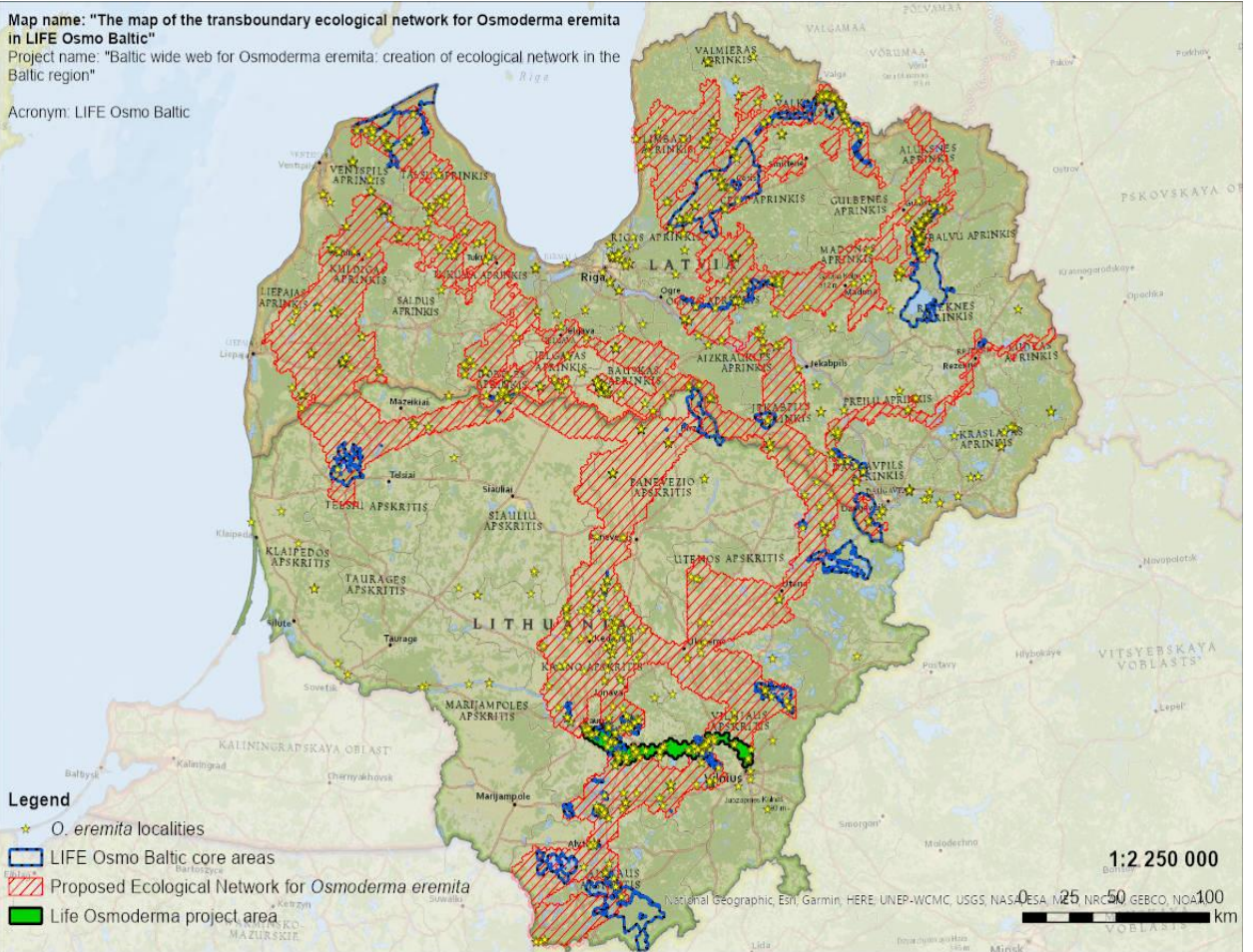
Main publications

- **Best Practice Guidelines** on the Creation of Ecological Network for *Osmoderma eremita* and Other Species Dependent on Veteran Trees
- **Methodology for Rearing and Breeding** the Hermit beetle (*Osmoderma barnabita*)
- Cross-border Ecological Network for the species Dependent on Broad-leaved Ancient and Veteran Trees
- Maintenance and Management **Guidelines for Veteran Trees and Deadwood**
- **Manual** on using and constructing wood mold boxes
- Scientific article in the journal “**Insect Conservation and Diversity**” - “Ecological network for species dependent on ancient broadleaf trees using *Osmoderma barnabita* as a model species – a new approach”
- Scientific article in the journal “**Baltic Journal of Coleopterology**” - New data on the occurrence of *Osmoderma barnabita* (Motschulsky, 1845) in Lithuania with an overview of the species research history

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New application for LIFE call October 2021



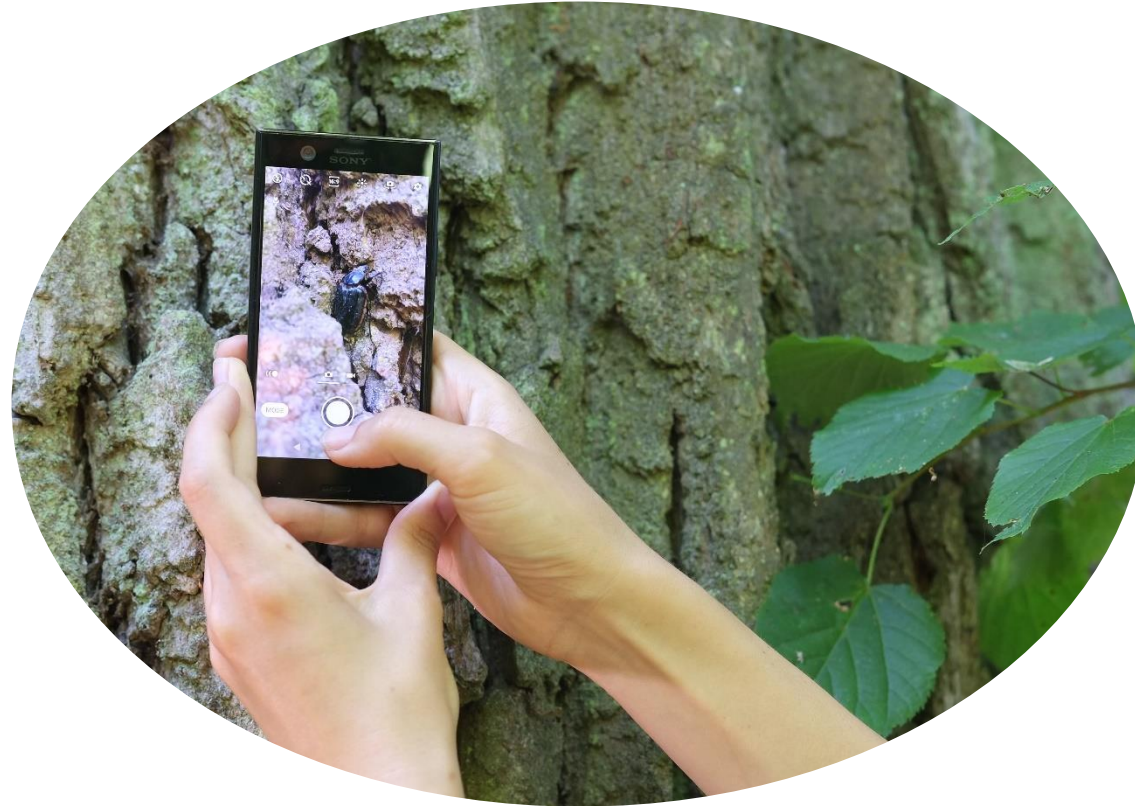
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LIFE Osmo Baltic

- Baltic Wide Web for *Osmoderma eremita*: the creation of an ecological network in the Baltic Region
- 53 Natura 2000 sites in LT and LV
- Planned length of the ecological corridor – 3374km
- Not accepted by EC ☹
- Hope for the next call...



Thank you for listening!



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INFO E CONTATTI

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