

„Restoration of wetlands and peatlands in the Nord-West Region (NWPEAT)”

– one project for the local communities

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TRADITIO ET EXCELLENTIA

So this is how is started ...

1 Integrated Study on the Contribution of Ecosystems in the protected Natura 2000 areas: Pricop-Huta-Certeze and Tisa Superioara to the Sustainable Development of Local Communities (SIENPHCTS)

2 Restoration guide of degraded peatlands in Romania

3 Extensive ecological restoration projects involving NINA experts



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Home

The project **Integrated Study on the Contribution of Ecosystems in the protected Natura 2000 areas: Pricop-Huta-Certeze and Tisa Superioara to the Sustainable Development of Local Communities (SIENPHCTS)** is developed under the supervision of the Romanian Ministry of Environment, which is also the programme operator, and is funded by the Financial Mechanism of the European Economic Space (SEE) 2009-2014, under the first call of the Programme RO02 – Biodiversity and Ecosystem Services.

There is a triple partnership between the project promoter, namely the Faculty of Geography under Babeş-Bolyai University, Cluj-Napoca, Heidenroslein Association in Baia Mare, as national partner, and the Norwegian Institute for Nature Research in Trondheim, Norway, as international partner.

The implementation period is 16 months, from 14 September 2015 (the signing date of the contract) to 30 April 2017.

The project is implemented in two Natura 2000 sites: ROSCI 0358 Pricop – Huta – Certeze and ROSCI 0251 Tisa Superioară, both of them located in the extreme north of Romania, in the Tisa River catchment area, near the national border between Romania and Ukraine, on the territory of the following territorial-administrative units: Certeze and Bixad (located in Satu Mare County), and Bistra, Bârsana, Rona de Jos, Rona de Sus, Bociociu Mare, Sighetu Marmăţiei, Sarasău, Câmpulung la Tisa, Săpânţa, Remetej (in Maramureş County).

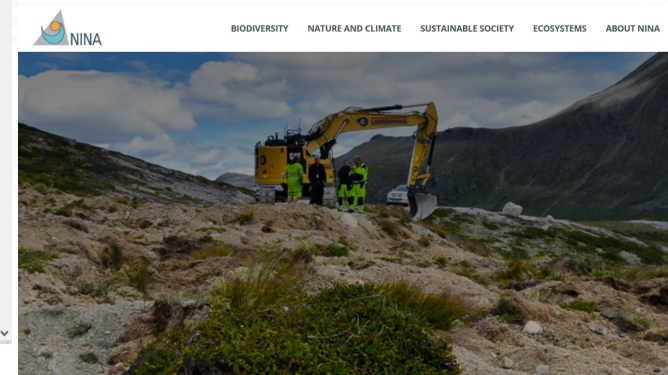
NEWS

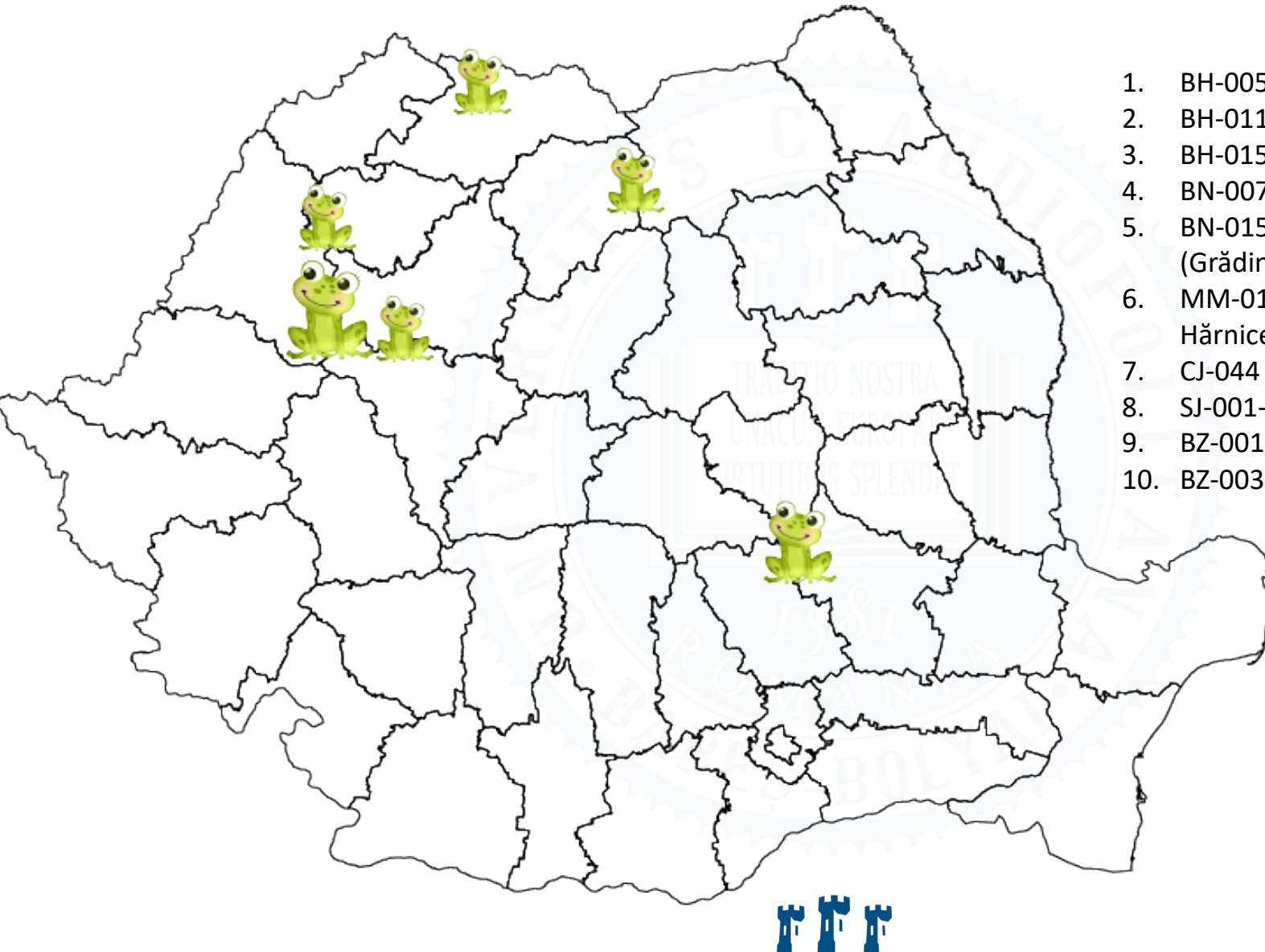
- Studiu demografic
- Chestionar privind gradul de informare al comunităţilor locale
- Raport privind evoluţia gradului de conştientizare faţă de starea de referinţă
- Raport de stare de referinţă a gradului de conştientizare

CONNECT WITH ME

f + YouTube

Cluj-Napoca, Cluj





1. BH-005-Mlaștina Padiș-Bălileasa
2. BH-011-Onceasa
3. BH-015-Tinovul de la Ic Ponor
4. BN-007-Tinovul Câmpelor (Grădinița)
5. BN-015-Tinovul Țesna Împutiță (Grădinița)
6. MM-016-Iezerul Mare (Tinovul Hărnicștilor)
7. CJ-044 La Poduri
8. SJ-001-Mlaștina de la Iaz
9. BZ-001-Lacul Sec
10. BZ-003-Lacul Manta



Pressures and threats*:

- **J02.01 – drainage** (BH-005-Mlaștina Padiș-Bălileasa, BH-011-Onceasa, BH-015-Tinovul de la Ic Ponor, BN-007-Tinovul Câmpelor (Grădinița), BN-015-Tinovul Țesna Împuțită (Grădinița), MM-016-lezerul Mare (Tinovul Hărnicștilor), SJ-001-Mlaștina de la Iaz, CJ-044 La Poduri);
- **A04.01 – intensive grazing** (BH-005-Mlaștina Padiș-Bălileasa, BH-011-Onceasa, BZ-003-Lacul Manta, MM-016-lezerul Mare (Tinovul Hărnicștilor), SJ-001-Mlaștina de la Iaz, BZ-001-Lacul Sec)

*In accordance with the Guide for the Development of Protected Natural Areas Management Plans, from 02.04.2018



General objective: targeted wetland restoration in the North-West Region

Specific objectives:



improving the ecological status of habitats associated with the North-West Region restoration schemes



raising the awareness of the target group on the peatland conservation



improving geographical information tools for decision-makers (local authorities)

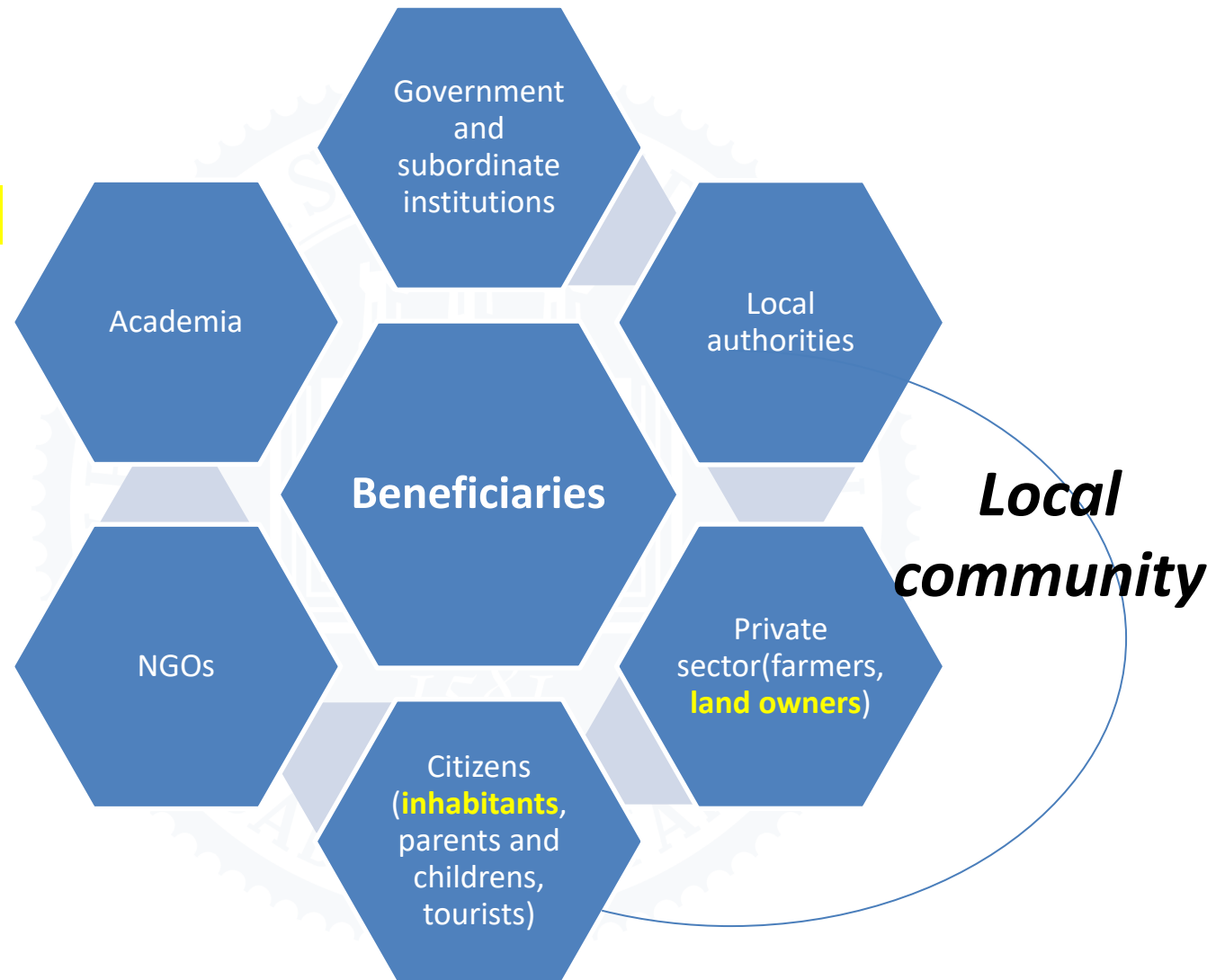


strengthening the partnership between Romania and Norway



Secondary objective:

raising the awareness
of the target group on
the peatland
conservation in the
North-West Region





Activity A.5.
 Carrying out
 information
 and publicity
 activities

Months 1-28

2024



2022

Activity A1. Assessment of
 peatland ecosystems and
 wetland ecosystem services

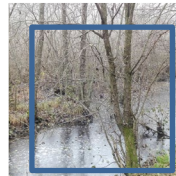
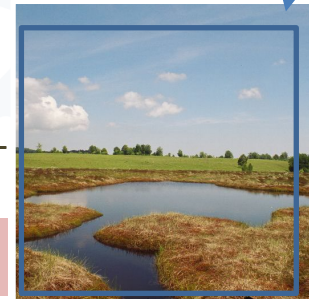


Months 1-6



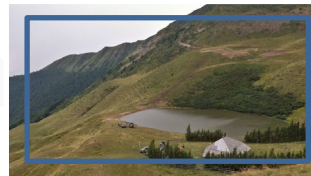
Months 7-12

Activity A.2.
 Implementation of
 restoration works for
 wetlands in the North-
 West Region



Months 9-25

Activity A.4. Carrying out
 awareness actions of the
 target group on the
 conservation of peatland
 ecosystems



Activity A.3.
 Monitoring of
 restoration works for
 wetlands in the North-
 West Region

Months 9-25

2023



22°39'35"E

22°39'40"E

22°39'45"E

22°39'50"E

22°39'55"E










Restoration Scheme no. 8 SJ-001-Mlaștina de la laz



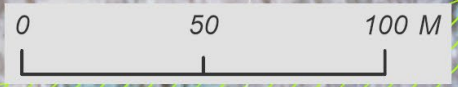
Restoration proposals

47°6'40"N

47°6'40"N

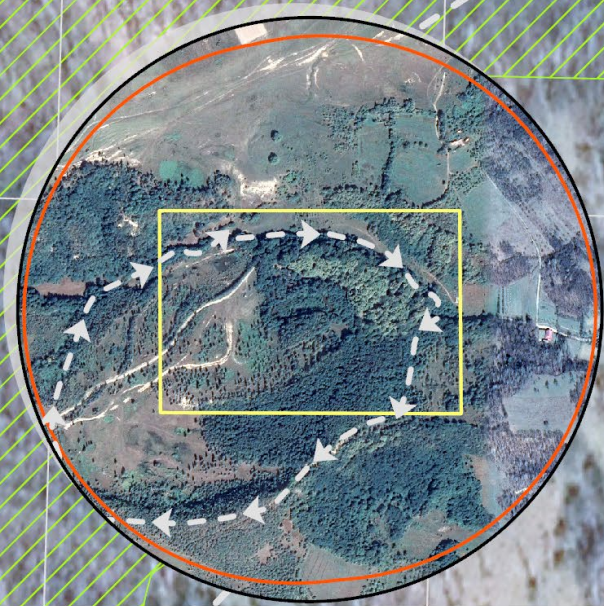
-  Impact
-  Specific measure
-  Piezometer
-  Unmanned Aerial Vehicle Monitoring
-  Thematic nature trail
-  Perimeter fencing
-  Access road
-  Wetland boundary
-  Island

- Protected areas
-  RONPA0708 Mlaștina de la laz
 -  ROSCI0322 Muntele Șes



Coordinate Systems Stereo 1970

Wetland survey using Unmanned Aerial Systems (UAS) (used for billboard) (radius=0.5 km)



47°6'35"N

47°6'35"N

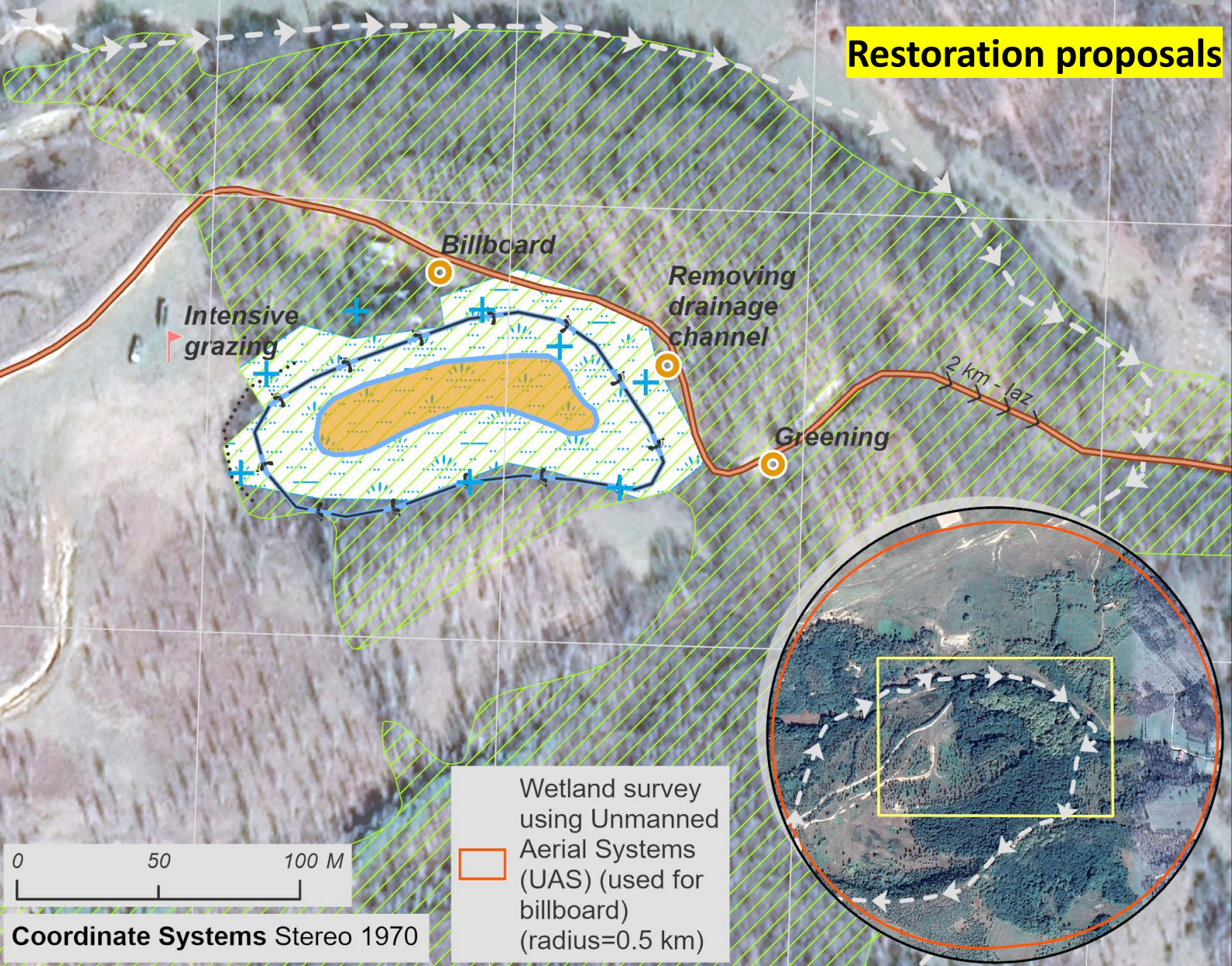
22°39'35"E

22°39'40"E

22°39'45"E

22°39'50"E

22°39'55"E



Innovation aspects



- geo-scanning procedure
- The evaluation of the water budget monitored by means of piezometers
- Non-invasive wetland monitoring will be carried out using an RTK and/or PPK drone with RGB, multispectral and thermal sensors

**monitoring and
post-monitoring of
restoration works**



Results



Studies (3 scientific studies: *biodiversity study, Hydrogeology-hydrology study, sustainable tourism development study*; **10 Environmental impact assessment studies / 9 Appropriate assessment studies**)

1 GIS database

Soft restoration works

(3 thematic trails, 10 billboards)

Materiale de informare și publicitate (kick-off-conference, closing conference, workshops, press articles/releases, guide for wetlands restoration wetland, webpage, scientific articles, storybook for children, digital brochures etc.)

**10
wetlands/
peatlands
restored**



Project details

Project Promoter: Babeş-Bolyai University

Partner 1: Norwegian Institute for Nature Research

Project title: „Restoration of wetlands and peatlands in the Nord-West Region” (NWPEAT)

Project duration: 16.12.2021 – 30.04.2024

Financing source: grant from Iceland, Liechtenstein and Norway, the RO-Environment Program "Environment, Adaptation to Climate Change and Ecosystems", Call for proposals Restoration of wetlands and peatlands

Programme Operator: Ministry of Environment, Water and Forests

Budget: 3.811.259,25 lei (769.982,47 Euro)



Thank you!

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