

Restoration of peatlands in the Orawa-Nowy Targ region—lessons learned from the LIFE Multi Peat project



dr Tomasz Wilk

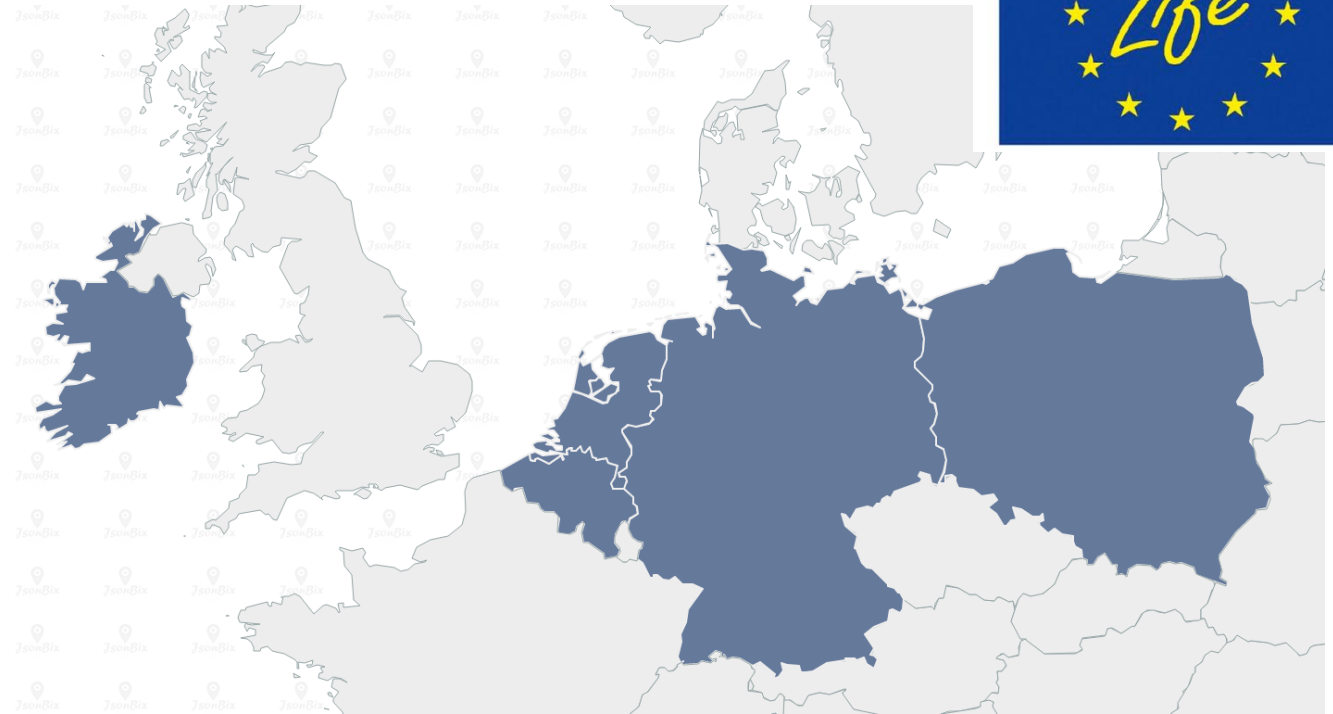


LIFE MULTI PEAT



Countries involved:

Belgium, Netherlands,
Ireland, Poland,
Germany



PARTNERZY PROJEKTU

Project leader:

Nature And Biodiversity Conservation Union - NABU

Project Partners:

Natuurpunt, National University of Ireland, Natuurmonumenten, Eurosite,
Klub Przyrodników, Ogólnopolskie Towarzystwo Ochrony Ptaków (OTOP)

LIFE MULTI PEAT

«LIFE20 CCM/DE/001802 »



LIFE „Climate”

Budget:

total: 7 763 615 €

EC contribution: 55%

timing: 1/10/2021 - 30/09/2026



LIFE MULTI PEAT

MAIN GOAL:

To optimise the hydrological system of degraded peatlands in five countries: PL, GE, BE, NL, IE, with a view to reducing greenhouse gas emissions and restoring their carbon sequestration functions.



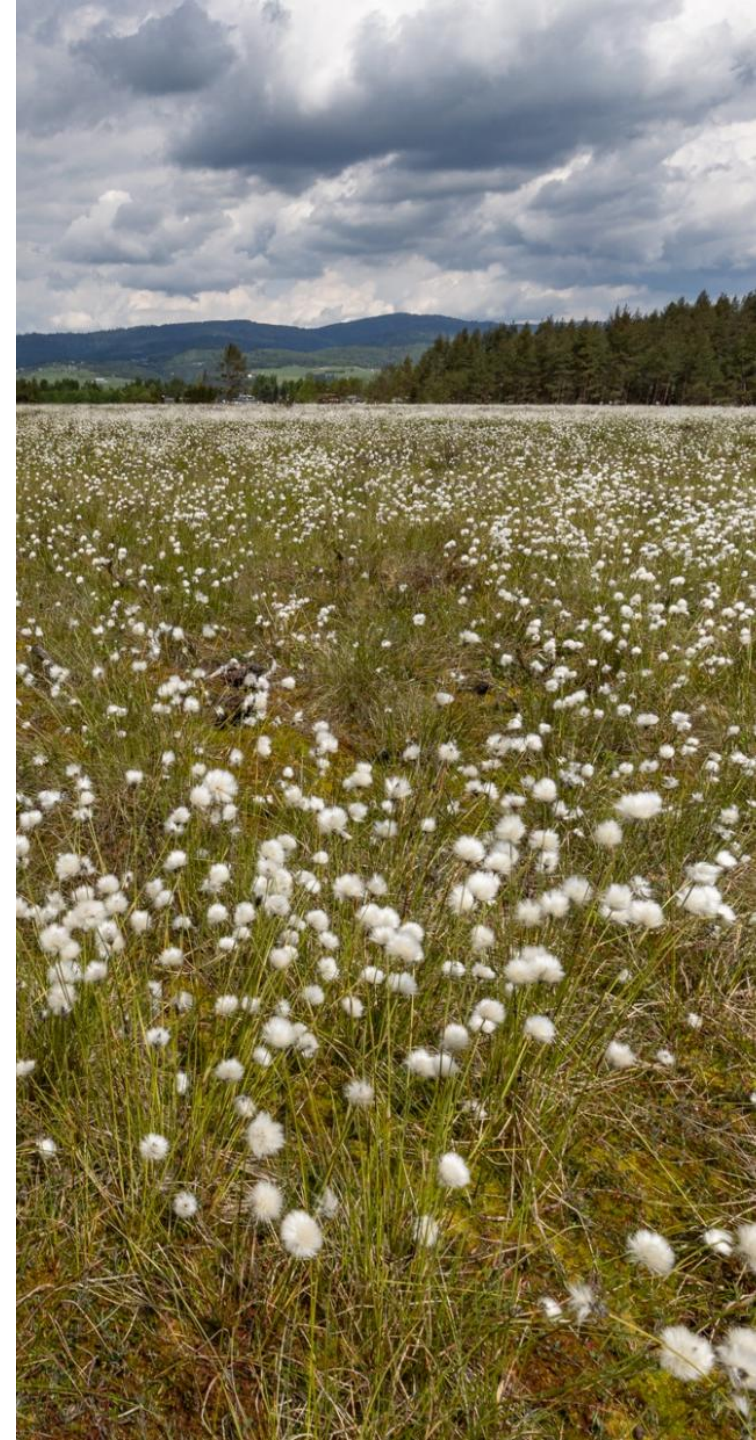
OBJECTIVES:

1. Restoration of degraded peatlands: improvement of the hydrological regime, removal of trees and shrubs
2. Assessment of the impact of restoration measures on climate change mitigation, through the estimation of greenhouse gas emissions
3. Improvement of the condition of habitats and species (in Poland: habitats 7110, 7120, 91D0, 7230)



OBJECTIVES II:

4. Cataloguing and facilitating access to EU projects, policies and datasets relating to peatlands
5. Developing solutions for paludiculture
6. Contributing to more effective implementation of the WFD and CAP by preparing national reviews of the CAP's impact on peatlands
7. Analysing the potential for implementing carbon credits
8. Raising awareness of the role of degraded peatlands in global warming



EXPECTED RESULTS:

- 689 ha of restored peatlands
- up to a 50% reduction in Global Warming Potential (GWP) across all sites (3,600 t CO₂-eq./yr)
- EU Peatland Toolkit: key peatland data widely available
- significant improvement in communication and coordination of cooperation between EU projects concerning peatlands
- existing recommendations for scaling up developed solutions for peatland conservation: paludiculture strategies, CAP, business (carbon credits)

LIFE MULTIFEAT in PL



LIFE X 5
LIFE BEST OF THE
BEST X 1



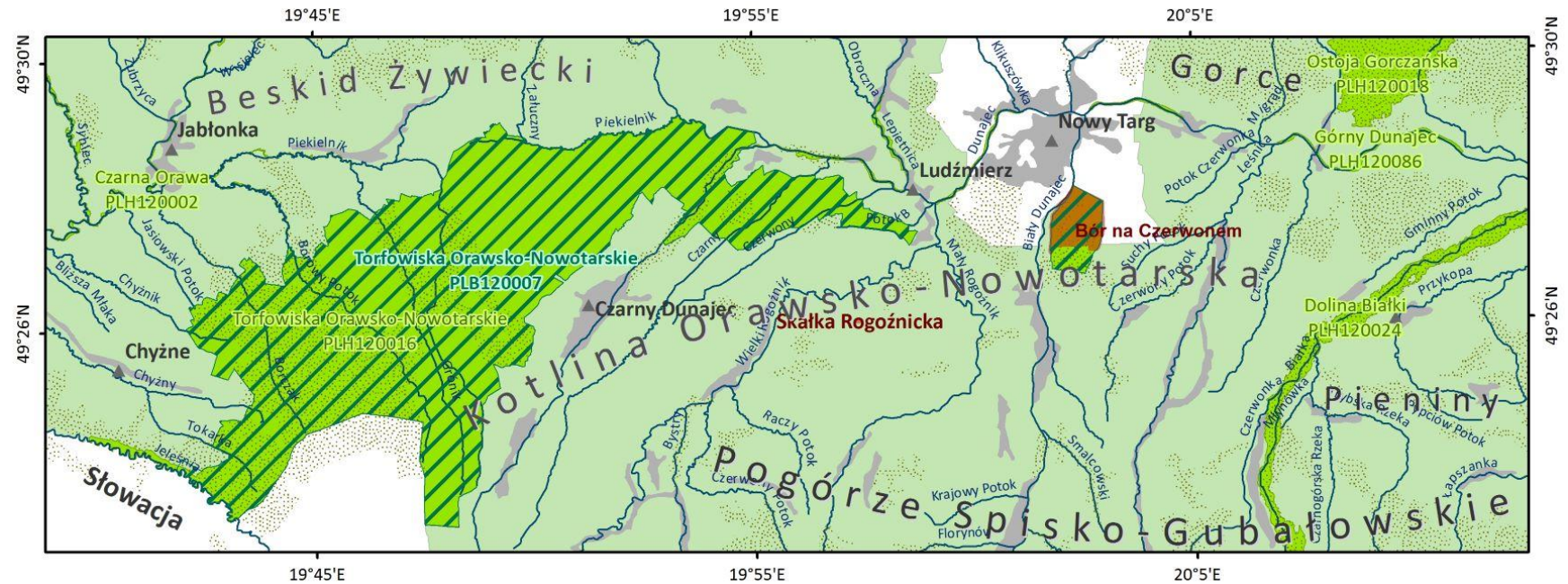
LIFE X 6

Polish Society for the Protection of Birds [OTOP]



We are working for
35 years to protect
nature, particularly
birds and their
habitats.

LIFE MULTIFEAT in PL



Torfowiska Orawsko-Nowotarskie
PLC120003



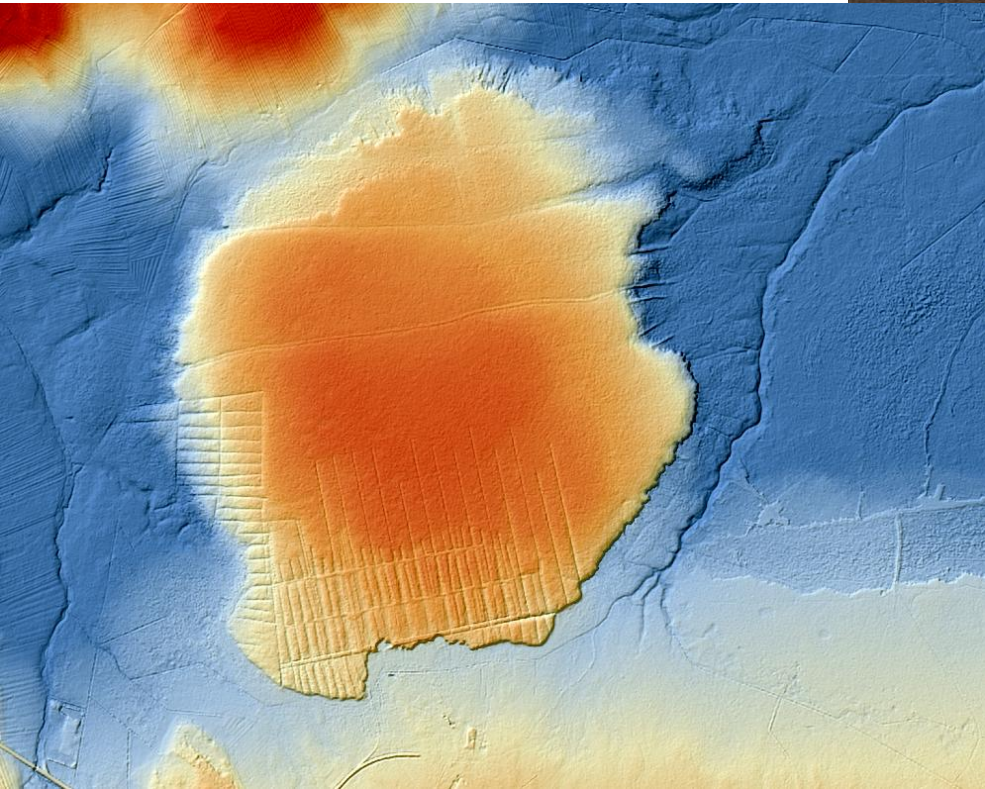
LIFE MULTIPLEAT in PL



LIFE MULTIPLEAT in PL



LIFE MULTIPLE in PL



LIFE MULTIPLEAT in PL

one owner of
large part of
peatlands



PREPARATORY ACTIONS

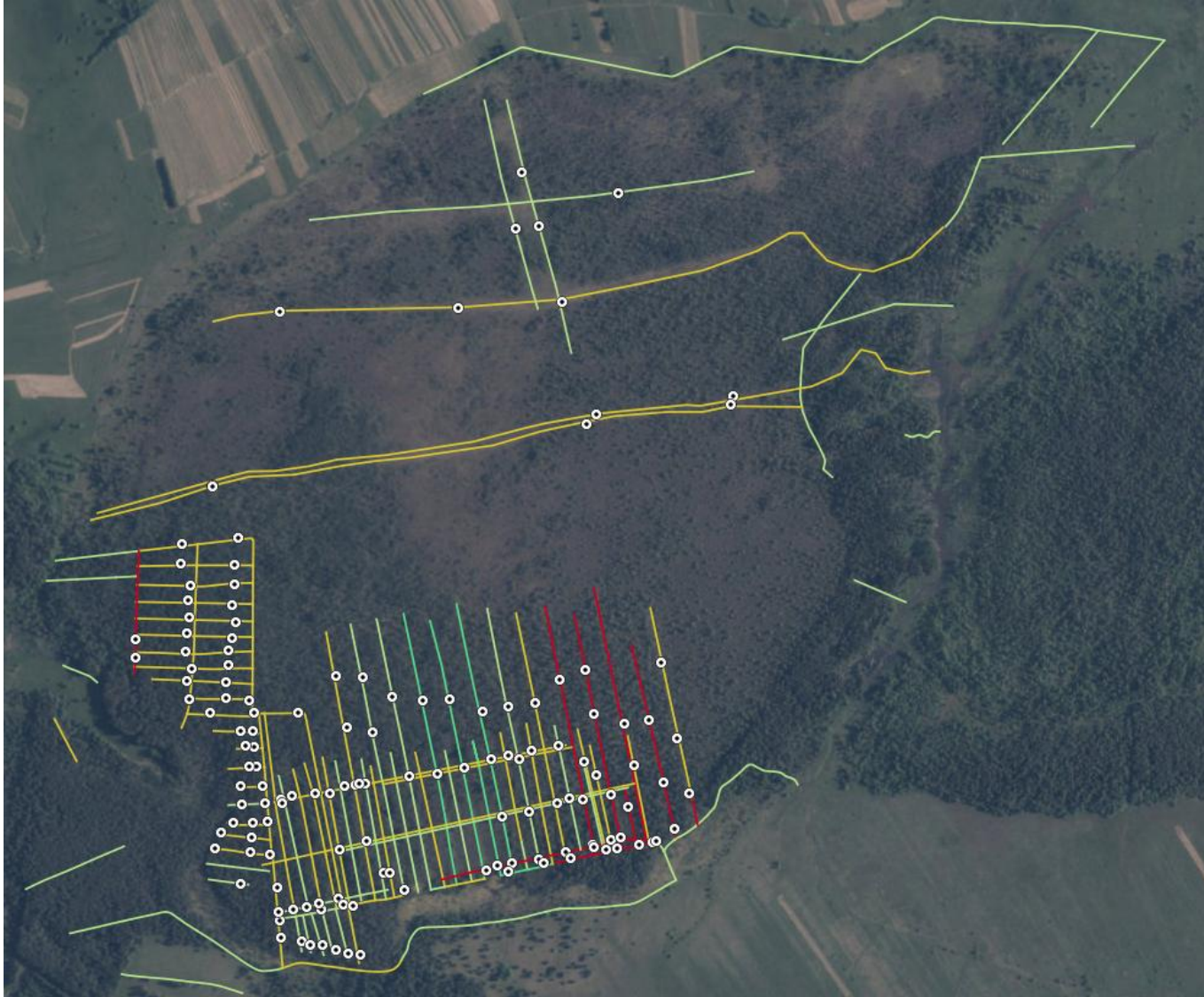
→ to made the restoration possible



CHOOSING THE RIGHT FORMAL PROCEDURE FOR RE-WETTING!



RESTORATION



Baligówka:
red - large outflow
yellow - medium outflow
green - low outflow

RESTORATION – re-wetting

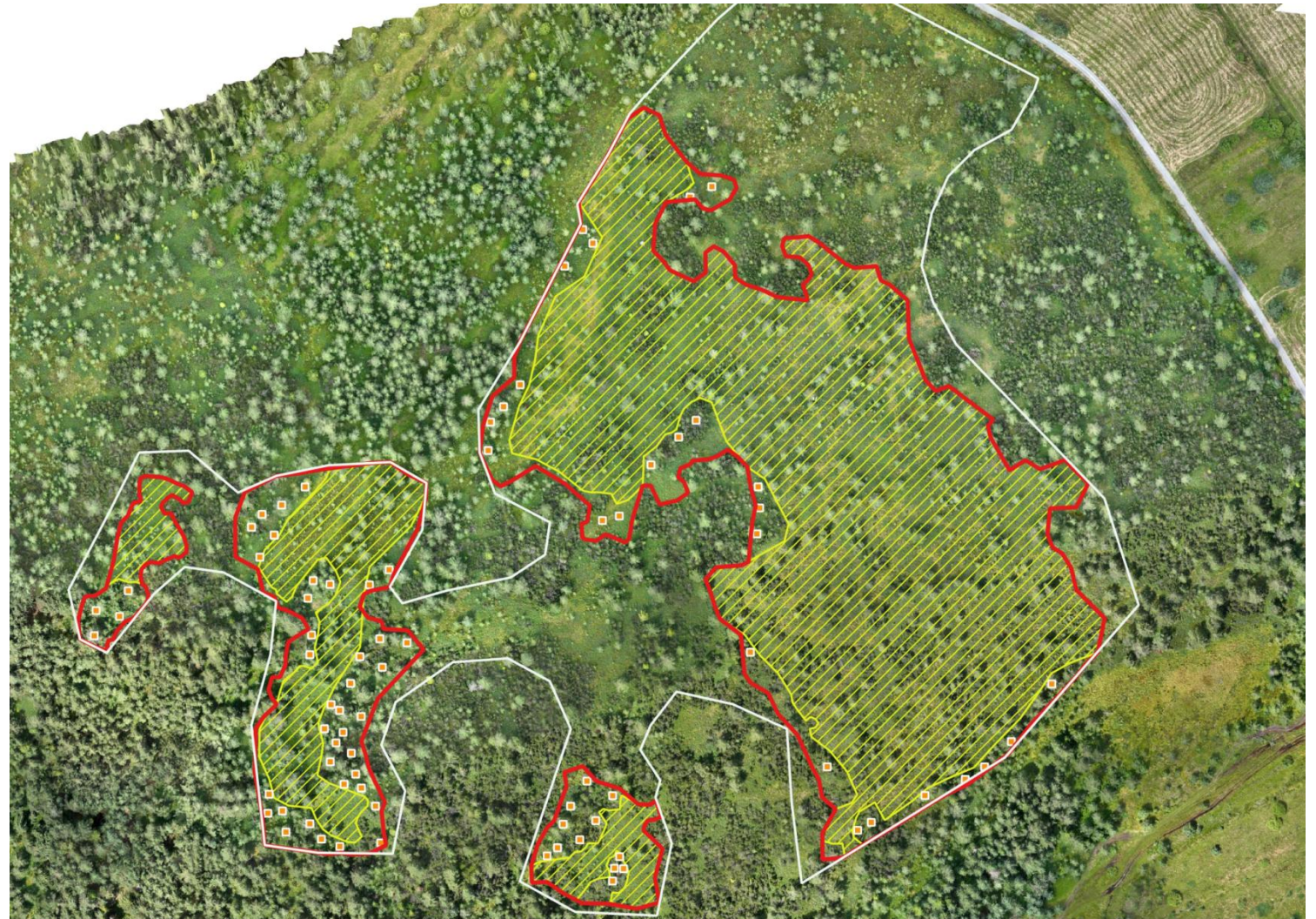
- no heavy equipment used
- wooden dams with local grand material



RESTORATION



RESTORATION – tree removal



RESTORATION – tree removal

- only manual works, also regarding biomass removal



Monitoring of GHG emissions: CO₂, Methane → climate context of the project

- common methodological standard
- scientific publication



Monitoring of GHG emissions: CO₂, Methane

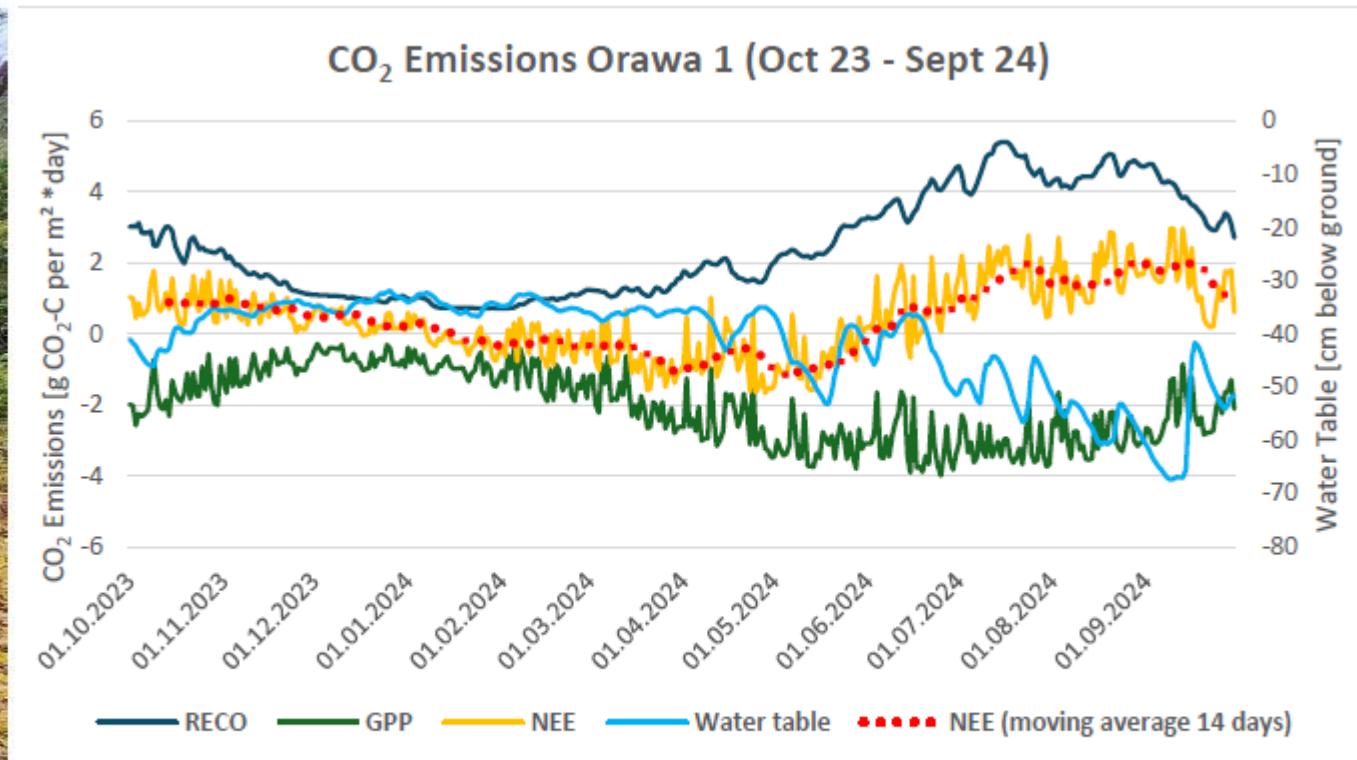
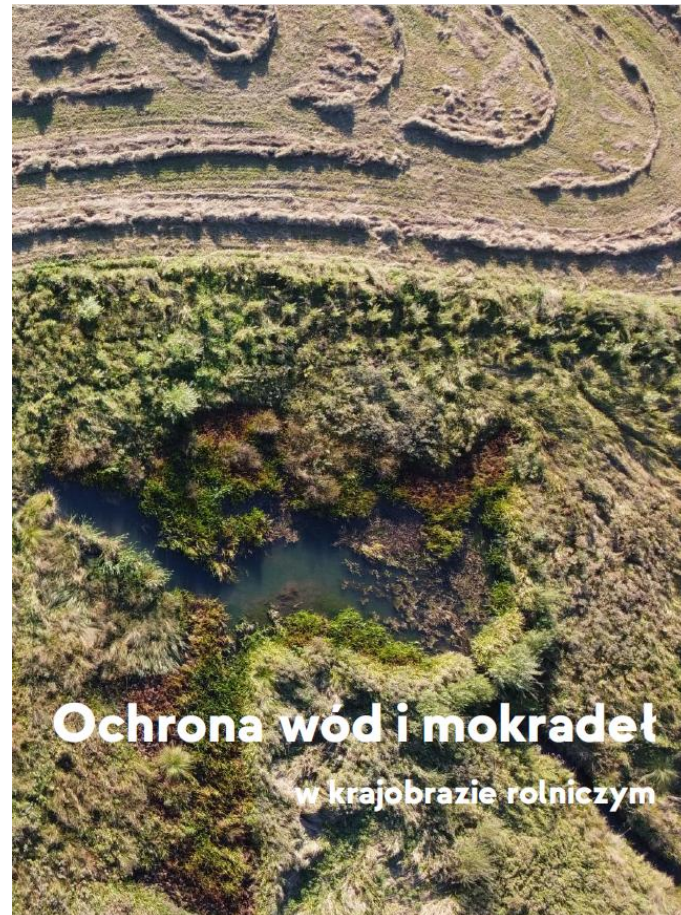


Figure 64: Preliminary results for CO₂ in the first measuring year at Orawa 1 (Baligówka). [not to be used for citation]

National analyses and recommendations for Common Agriculture Policy and Water Framework Directive



Up-scaling on the ground: Local business plans, „Carbon credits viability” reports

National Analysis of Economic Benefits of Peatland Restoration

LIFE Multi Peat – Project Team Meeting – Mechelen 6-8 I



Country profile: Exploration of carbon credit viability from peatlands in Poland



Photo: Paweł Pawlaczyk, CC

Applicable standards

Poland is currently lacking any functional standards regarding certification of carbon credits generated through degraded peatlands re-wetting. The work upon such a standard under the working title “Bagna dla Przyszłości” (“Marshlands for Future”) is ongoing, having been initiated by the consortium of conservationist NGOs – Centrum Ochrony Mokradł (CMok, Centre for Wetlands Conservation, <https://bagna.pl>) and OTOP (Polish Society for the Protection of Birds). Although the final design of the standard is not yet developed, its main contours are more or less clear, whilst its key solutions would to a great extent resemble those used in the German regional standard [MoorFutures](#)® which is described in more details in the German chapter of this report.

The consortium of CMok and OTOP has commissioned the review of the institutional and legal surroundings of the standard under development as a part of “Marshlands for Future” initiative. The review – being widely referred here – scrutinised the legal analysis of the

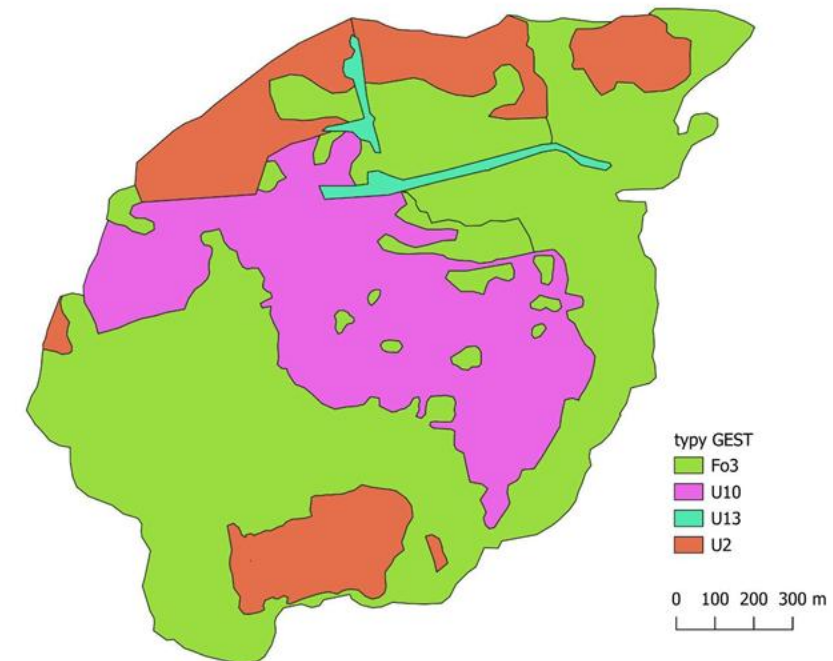


Fig.2 – Summarised Map of GESTs in the raised bog Baligówka

Peatland Policy Portal



Peatland Policy Portal

Advancing capabilities to measure and regenerate wetlands

- Maps ▾
- Policies ▾
- Calculators ▾
- Resources ▾
- Ask AI
- Feedback
- About

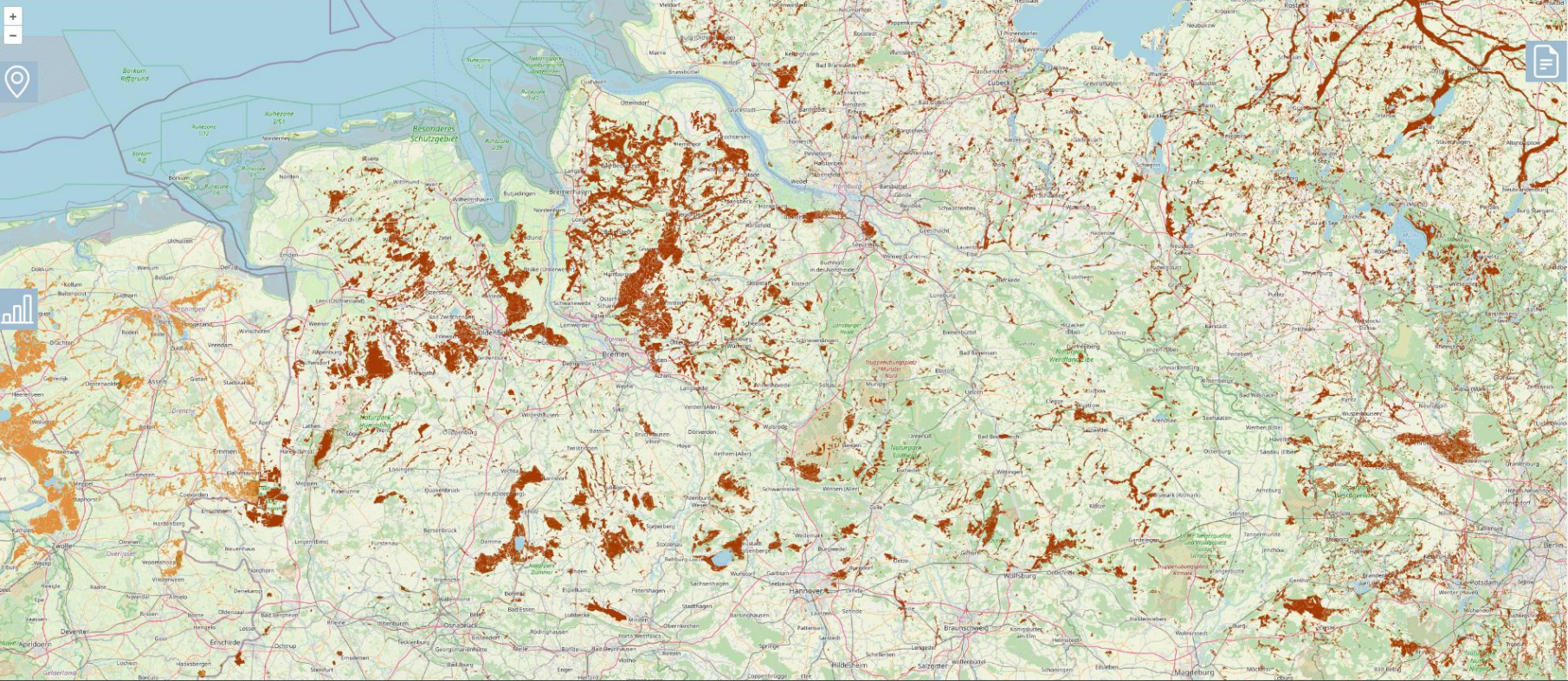


Peatland Policy Portal

Advancing capabilities to measure and regenerate wetlands

Log in

- SITES & POLICIES
- USE THE TOOLS ▾
- ABOUT US




Peatland Policy Portal

The screenshot displays the Peatland Policy Portal interface. On the left, a map shows peatland areas in brown, with a tooltip indicating: "Substrate: Fen", "Thickness: Flat (10-30 cm)". The map includes labels for "Schneverdingen", "Solve", "Soltau", and "B 71". A central menu lists policy categories: Biodiversity, Climate Action, Culture, Economy, Energy, Env. Quality, Land Use, and Research. On the right, a "Policy Information" panel lists several national-level policies with their classifications:

- Integrated National Energy and Climate Plan**
Level: National
Classification: Energy
- Future Strategy Research and Innovation**
Level: National
Classification: Research
- The German Sustainability Strategy**
Level: National
Classification: Environmental Quality
- Climate Change Adaptation Strategy**
Level: National
Classification: Climate
- Arable Farming Strategy**
Level: National
Classification: Land-Use / Agriculture

Peatland Policy Portal

- Financial Feasibility Tool

FEASIBILITY & PRICING TOOL FOR CARBON FARMING 

This tool estimates the financial feasibility of peatland restoration projects through the sale of carbon credits.

Disclaimer: The results calculated by this tool are not a guarantee. If you would like to learn about the logic behind our calculations, please see the **original XLSX version** and **explanatory document** [see Appendix A].

Start year	<input type="text" value="2025"/>	
<i>i</i> Project duration (years)	<input type="text" value="50"/>	<i>i</i> Selling price of a carbon credit (€) <input type="text" value="80"/>
<i>i</i> Avg. credits/ha/annum	<input type="text" value="300"/>	Cost of generating each credit (€) 39.90
Hectares of potential restoration	<input type="text" value="5"/>	Credits generated by restoration 750
<i>i</i> Investment / Financial inputs (€)	<input type="text" value="74700"/>	Profitable? YES
<i>i</i> Interest on finance included	<input checked="" type="checkbox"/>	Profit per carbon credit (€) 4.39
<i>i</i> Registry costs included	<input checked="" type="checkbox"/>	Profit per hectare per year (€) 131.70
		Profit across project duration (€) 32,926

Additional values used in the tool View complete results Export results and assumptions

Peatland Policy Portal




- Site Emissions Tool


SITE EMISSIONS TOOL


This tool calculates the greenhouse gas emissions of managed wetland areas at both their baseline state of operations and after a proposed rewetting or restoration scheme.


Disclaimer: The results calculated by this tool are not a guarantee. If you would like to learn about the logic behind our calculations, please see the [original XLSM version of the tool](#) and the [user manual](#).


* denotes required field.

	Test Site
Total area in ha. *	5
 Coordinates	[-56, 100]
Elevation (m)	30
 Peat type *	Woody 
Peat thickness (cm)	50
Year rewetting started	2025

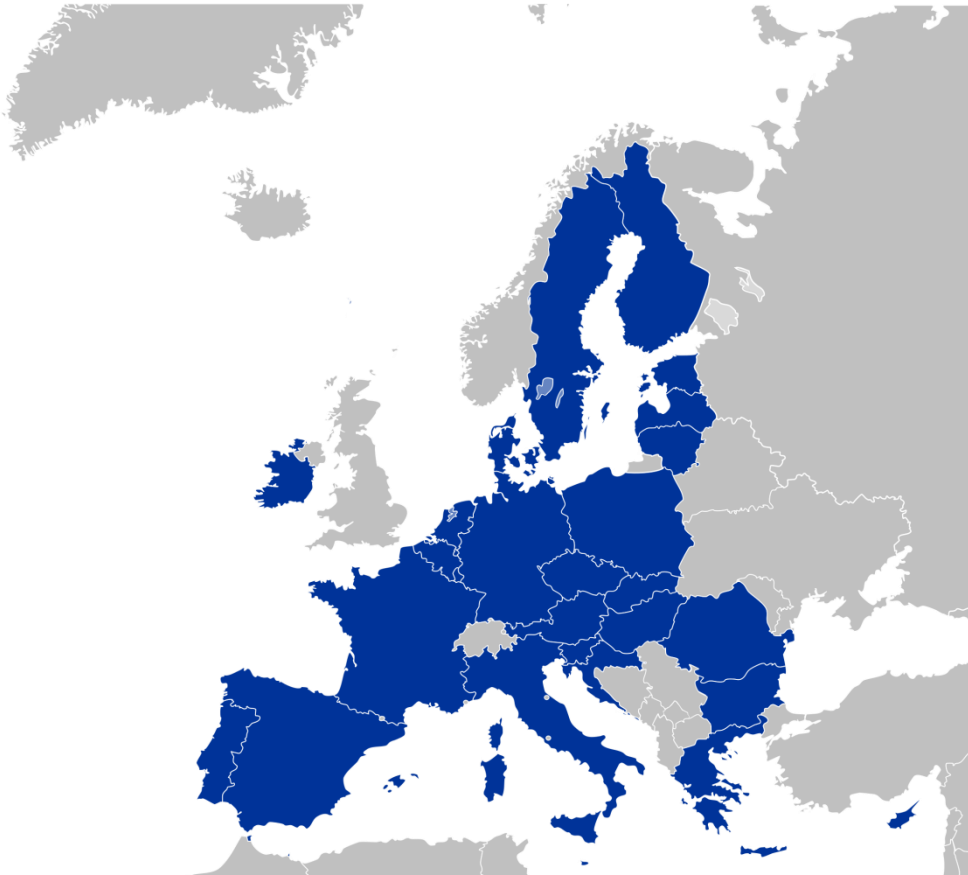
Groundwater and Vegetation 

Fertiliser Use 

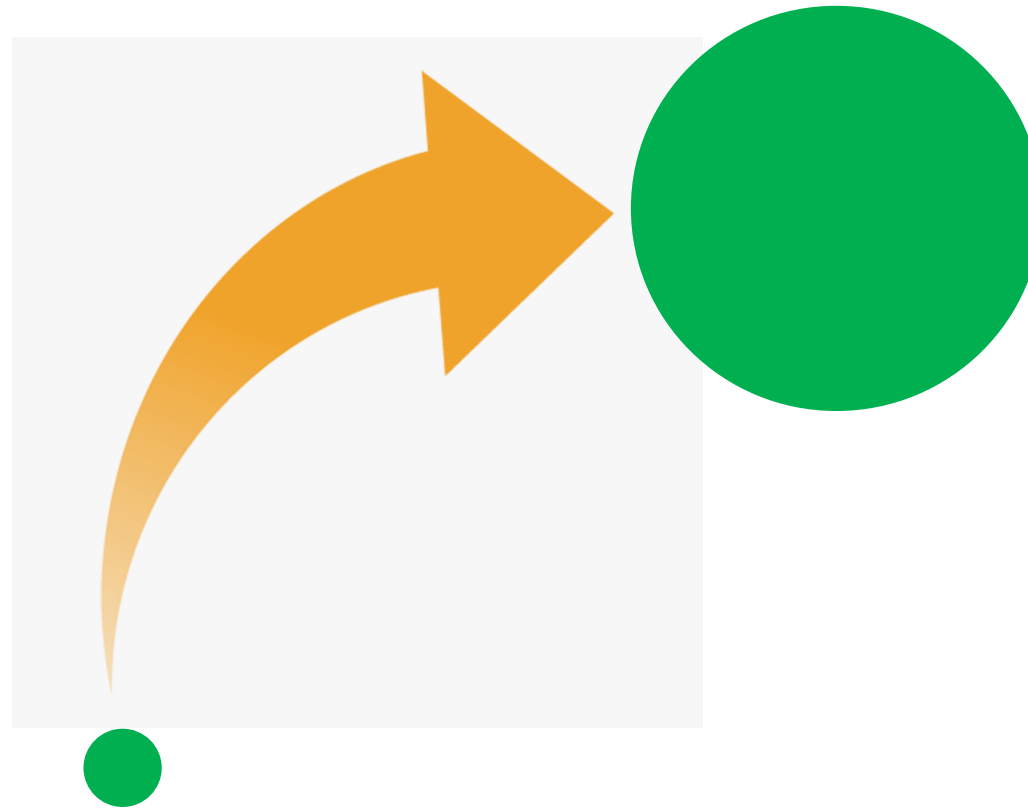
Land Management Activity 

Crop Use 

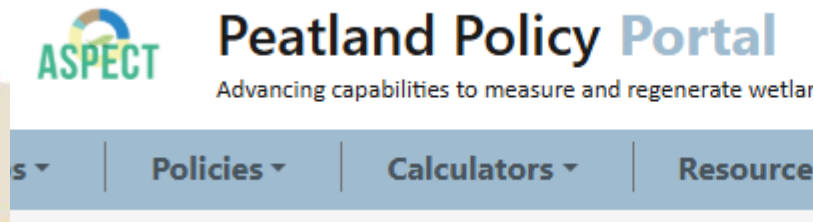
Large, international partnerships = a wide scope of operations = greater impact



„Scaling up” promoting the widespread use of the project’s results



Lobbying, advocacy



Peter Chave



Building relationship with land owners



Learn how to navigate
among the formal
procedures and law
acts





LIFE
MULTIPEAT



contact: tomasz.wilk@otop.org.pl
photos: Tomasz Wilk