

Progress on LIFE PeatCarbon project activities

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PeatCarbon

LIFE21-CCM-LV-LIFE PeatCarbon

Peatland restoration for greenhouse gas emission reduction and carbon sequestration in the Baltic Sea region

Project location: Latvia, Finland, Germany and Denmark

Duration: 01/07/22 - 30/06/27

Coordinating beneficiary: University of Latvia

Beneficiaries (12):

Amphi International ApS, Ilmatieteen Laitos, Nodibinājums "Vides risinājumu institūts", Naturschutzbund Deutschland (NABU) EV, Latvijas valsts mežzinātnes institūts "SILAVA", Sabiedrība ar ierobežotu atbilstību "AGS Sistēmas", Silkeborg Kommune, Biedrība "Baltijas krasti", Luonnonvarakeskus (LUKE), Sabiedrība ar ierobežotu atbilstību "EthnoExpert", Oulun Yliopisto (UOULU)

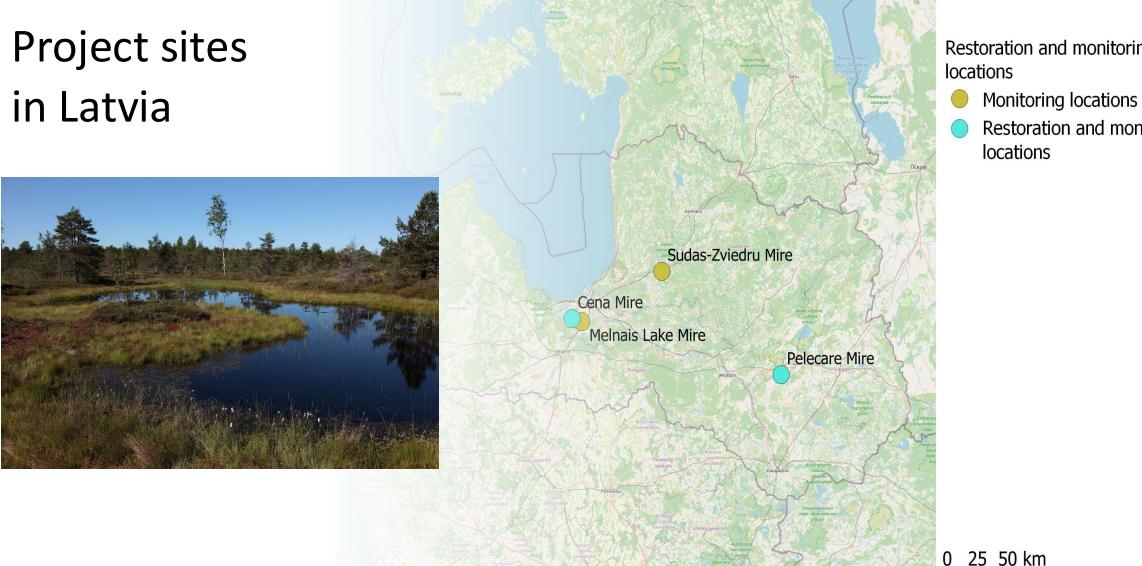


The main objectives

• Reduction of greenhouse gas (GHG) emissions in the peatlands of Latvia and Finland, including habitats of EU importance, like 7110* Active raised bogs, 7120 Degraded raised bogs.

 Testing innovative monitoring methods for the comprehensive assessment of GHG emissions in Latvia.

 Monitoring of CCM measures in 2 restoration sites in Latvia - Lielais Pelečāre and Cena Mire Nature Reserves and 2 sites in Finland - Välisuo and Matorova Mires, as well as 3 LIFE Project sites where peatland restoration was carried out previously.



Project locations in Latvia

Restoration and monitoring

Restoration and monitoring locations

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Project tasks

- Internationally applicable Best Practice Book on peatland restoration experience for GHG emission reduction
- New knowledge on peatland restoration for CCM, including certain rewetting methods and techniques tested at the Project pilot sites in Latvia and Finland.
- The Project will also develop innovative restoration success monitoring methods.
- The Ecosystem model of the project sites will be used for upscaling to country level.

Project work packages and tasks

WP 1	 Project management and coordination
WP2	 Initial studies, elaboration of documentation, implementation of selected CCM peatland restoration measures
WP3	 Monitoring of peatland GHG emissions, vegetation and hydrology to evaluate the success of CCM measures
WP4	 Monitoring the impact of project actions
WP5	Dissemination and communication
WP6	 Sustainability, replication and exploitation of the project results



WP1 Project management and coordination

Regular staff meetings held both online or face-to-face

WP2. Initial studies, elaboration of of documentation and implementation of selected CCM peatland restoration measures

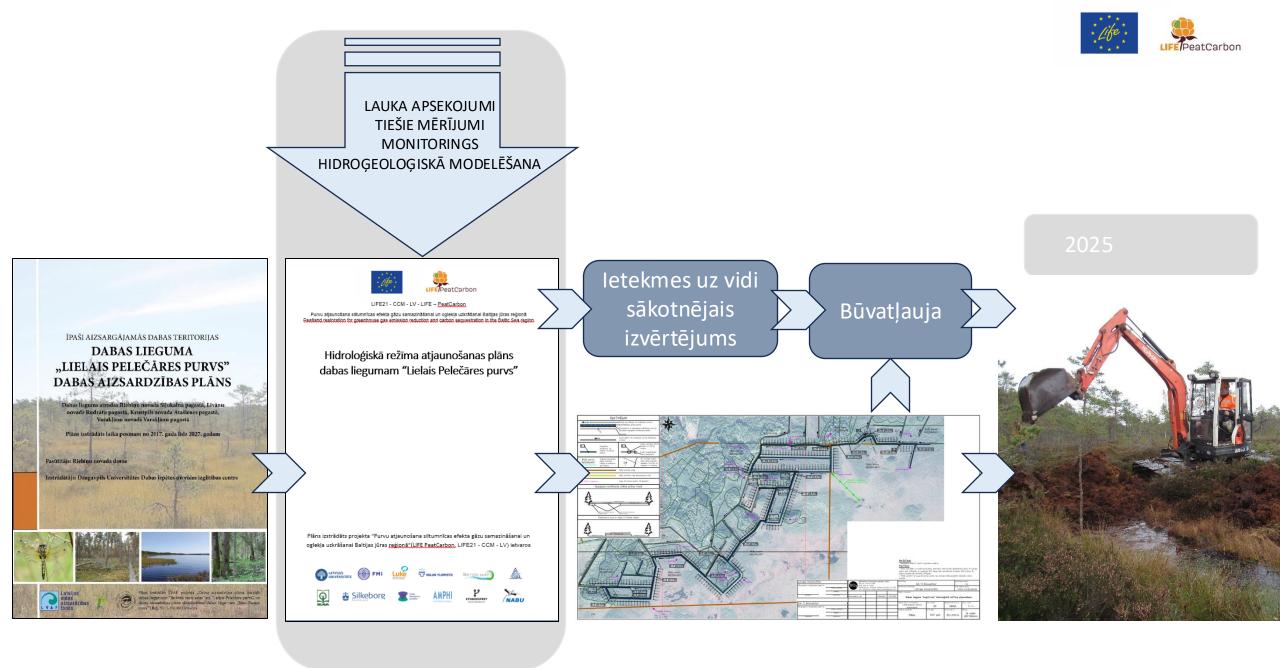




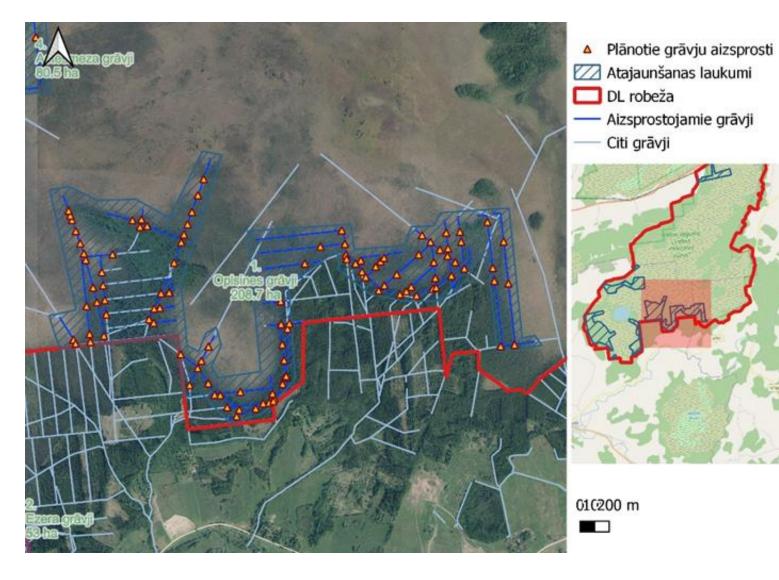




Field trips to the project sites



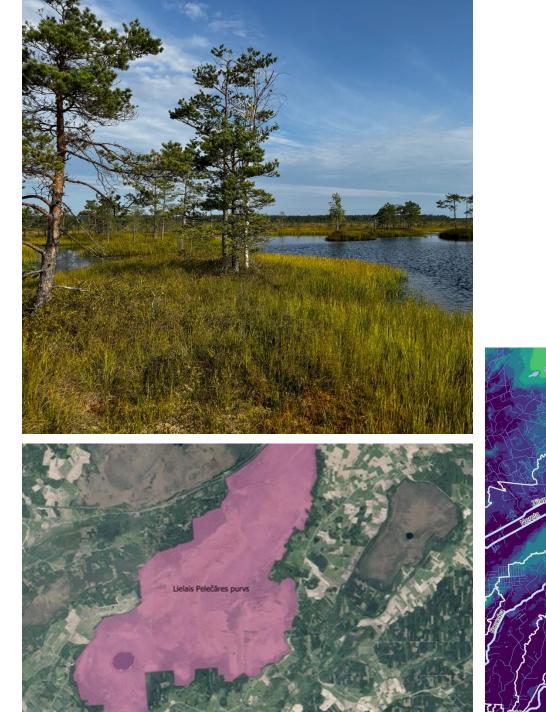
Peatland restoration areas

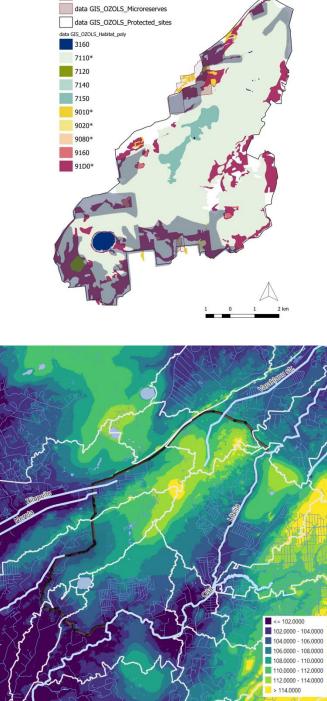


Lielais Pelečāres Mire

Hydrogeological studies and modeling of the project sites

Lielais Pelečāre Mire







Vegetation studies and monitoring in the project sites







GHG monitoring in the project sites by Forest Research Institute "Silava" CO2 measurements using innovative methods in Cena Mire and Melnais Lake Mire, September 2024



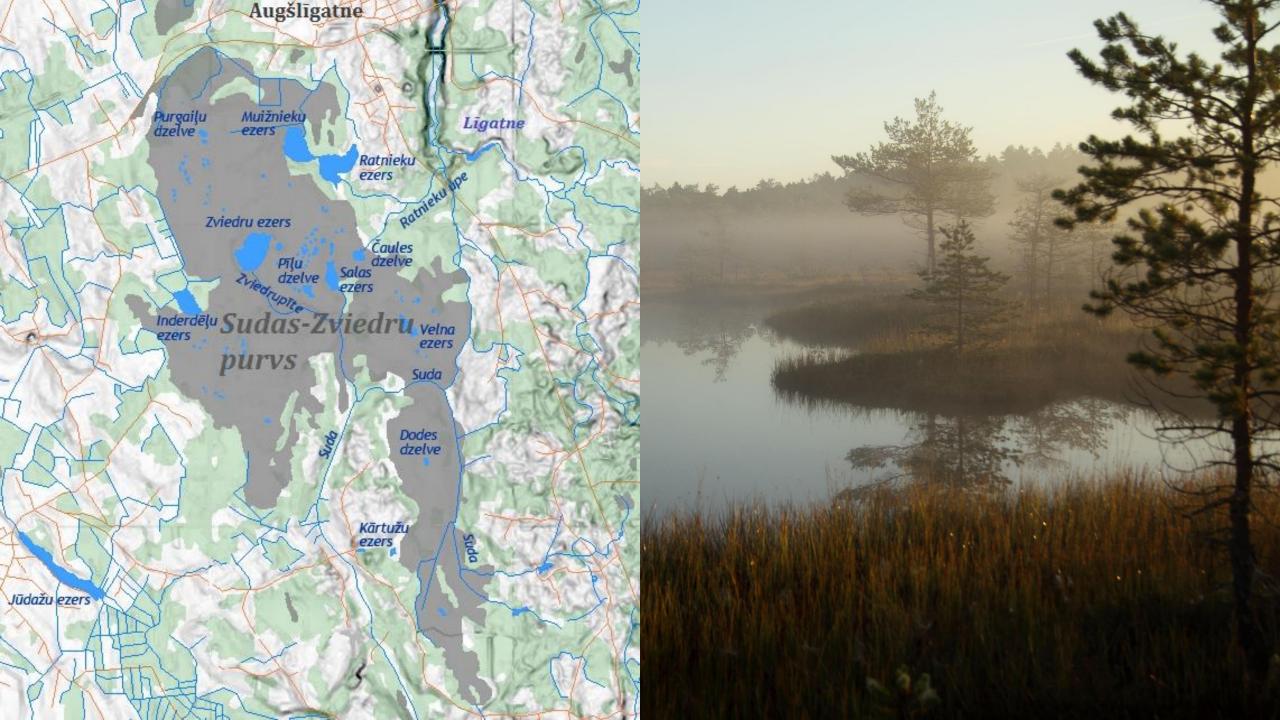




WP4 Monitoring the impact of the project actions



Monitoring peatland restoration results



Monitoring restoration results in Sudas-Zviedru Mire



















Visit to Cena Mire by Irish Minister of State Pippa Hackett, March 2024

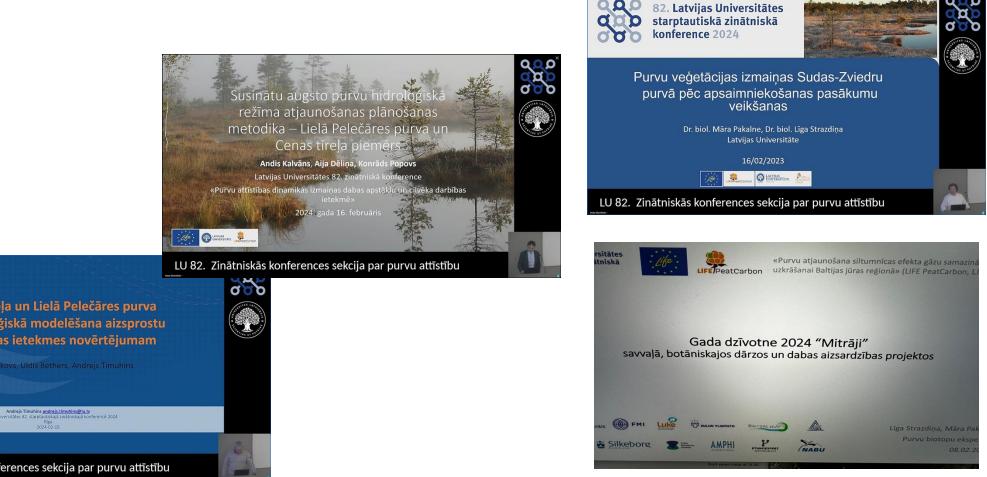
WP5 Dissemination and communication





Interview at Melnais Lake Mire for German journalist, April 2024

Presentations at the 82nd University of Latvia Scientific Conference, February 2024



Cenas tīrela un Lielā Pelečāres purva hidrogeologiskā modelēšana aizsprostu ierīkošanas ietekmes novērtējumam

PeatCarbon

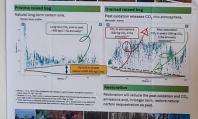


Conference on Soils, Spain April 2024

O LATVIJAS UNIVERSITA

Peat oxidation releases CO2 into at





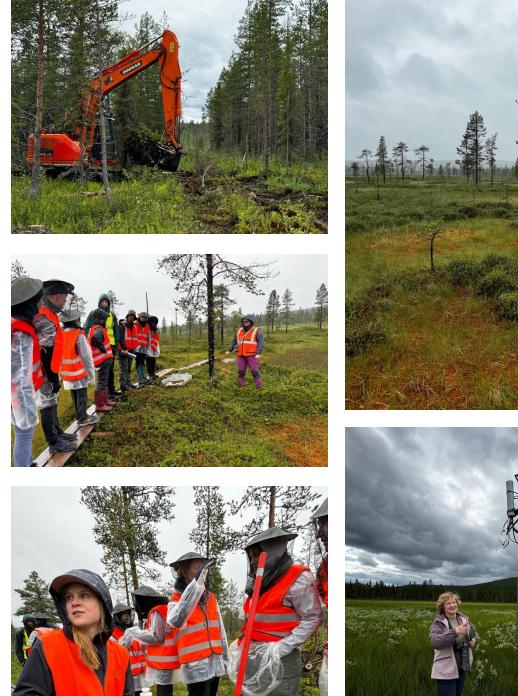






Study tour to Denmark, May 2024

Study tour to Finland, July 2024





IMCG field symposium in Germany, July 2024















LIFE Project Hannoverishe Moorgeest

International conference Peat days, September 2024, Rīga





Sphagnum biology meeting in Norway, September 2024



LIFE Platform meeting of Nordic -Baltic countries, September 16, 2024

LIFE PeatCarbon on social media

Instagram

Facebook

X (Twitter)

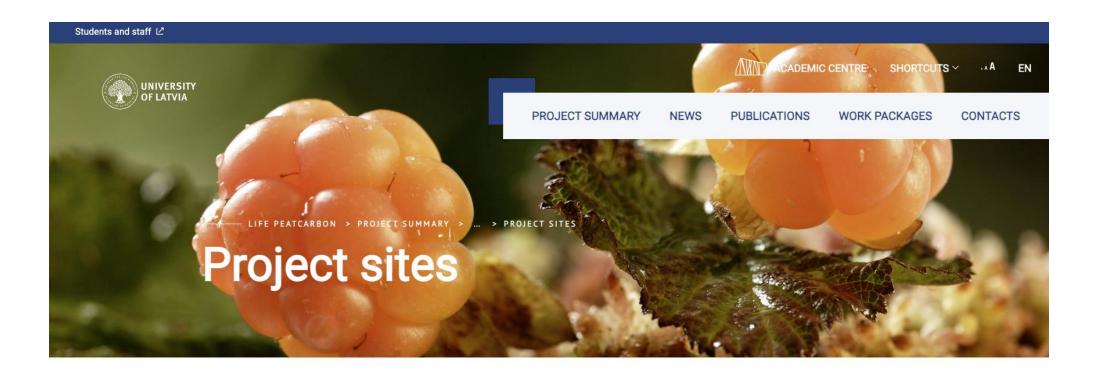




Project web page

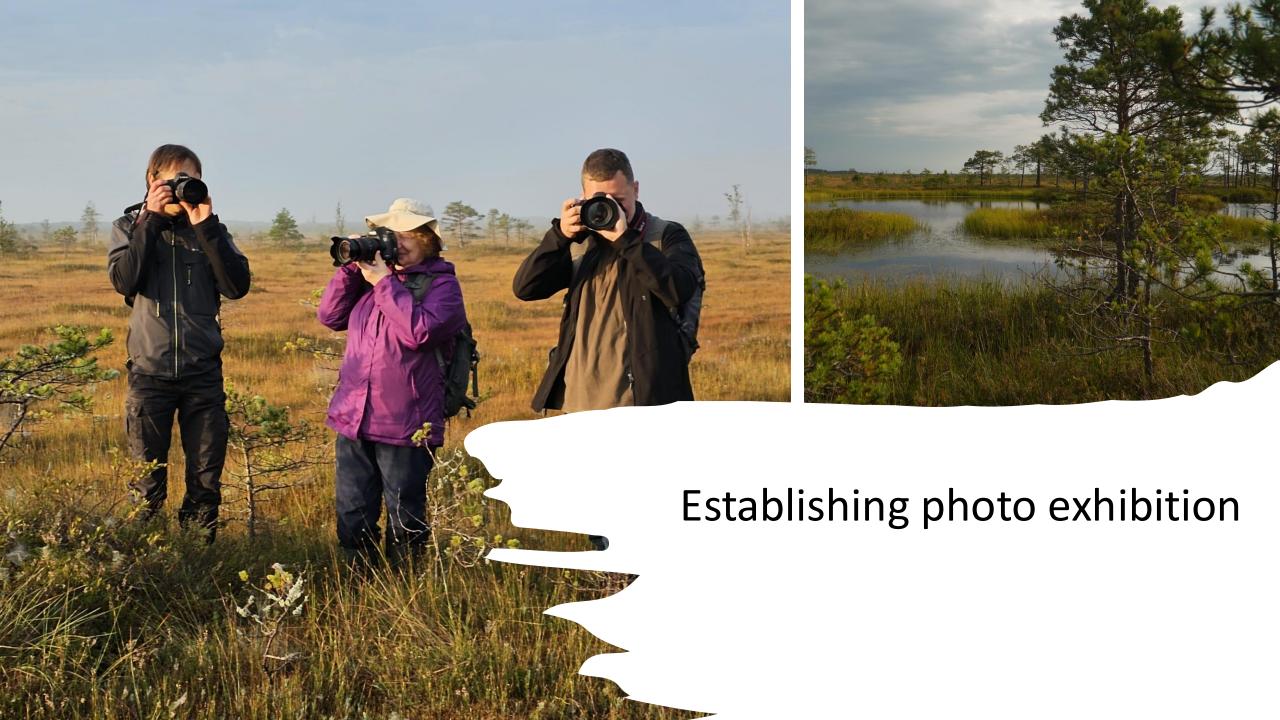
Cookies

www.peatcarbon.lu.lv



Cenas Mire	→	
Lielais Pelečāres Mire	\rightarrow	

Project Summary Latvia ^ Project sites



Next tasks

- Report for European Commission March 1, 2025
- Workshop on carbon credits
- Peatland exhibition at the Botanical Garden University of Latvia
- Annual Monitoring Reports for Latvia and Finland
- Implementation of peatland restoration activities in Latvian project sites
- Video production
- Establishment of peatland photo exhibition
- Booklets about Lielais Pelečāre Mire and Cena Mire



Thanks for the attention!

Project web page: <u>www.peatcarbon.lu.lv</u> Contacts: mara.pakalne@lu.lv



