

REPORT

ON IMPLEMENTATION OF THE PROJECT

DEMONSTRATION OF CLIMATE CHANGE MITIGATION MEASURES IN NUTRIENTS RICH DRAINED ORGANIC SOILS IN THE BALTIC STATES AND FINLAND

WORK PACKAGE

DISSEMINATION AND TRAINING EVENTS

(E2)

ACTIONS

Deliverable title Presentations and participants lists of the events (published on the Project website)

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LIFE OrgBalt compiled the first regional Baltic/Finnish GHG emission factors for managed nutrient-rich organic soils (current and former peatlands), which have been made available for the customary scientific review and further verification for national GHG inventories in the hemiboreal region in Finland and the Baltic countries. While the project analysed selected CCM measures for drained organic soils in agriculture and forestry and developed spatial models and tools, it also identified remaining knowledge gaps. To bridge the remaining limitations and fill the gaps, it is essential to continue GHG measurements and model development, as well as to broaden and complete the scope of the evaluated CCM measures in the after-LIFE-project period, notably by including rewetting and restoration of peatlands that are currently considered to be among the most recommended CCM measures on drained peatlands in the EU. In addition, the developed Simulation and PPC models still include limited macroeconomic considerations and lack an assessment of all environmental impacts. For all these reasons, these models should be used carefully in CCM strategy development for the identification of gaps in climate neutrality transition policy and funding frameworks and need further optimization for broader applicability as decision-making tools.

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INTRODUCTION

Action E.2: Dissemination and training events included different types of events organized for stakeholders. This report summarizes the information of the events organized within this action, provides very basic information about these events and includes links to the Projects website where more information on these events may be found.

LIST OF EVENTS

National workshops and Training workshops

Event	About the event	Number of participants
21.04.2020. LIFE OrgBalt national workshop on climate change mitigation measures for organic soils “Peatland conservation in the CAP – Instruments for a climate-friendly use of organic soils” was held in Germany for the project stakeholders.	Article on the Project website about the event: https://www.orgbalt.eu/?p=2646 Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=2689	48
11.06.2020. Finnish LIFE OrgBalt stakeholder meeting – national workshop “Work for Climate on Organic Soils at Both Sides of the Gulf of Finland” was run as a webinar and gathered wide range of the project stakeholders in Finland. The workshop was organized by Natural Resources Center LUKE, partner in LIFE OrgBalt project.	Article on the Project website about the event: https://www.orgbalt.eu/?p=2946 Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=2939	29

<p>17.06.2020. LIFE OrgBalt national workshop on climate change mitigation measures for nutrient-rich organic soils took place in a webinar format. The workshop was organized by Lithuanian Research Centre for Agriculture and Forestry (LAMMC), partner in LIFE OrgBalt project.</p>	<p>Article on the Project website about the event: https://www.orgbalt.eu/?p=2978 Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=2968</p>	<p>30+5</p>
<p>29.04.2020. LIFE OrgBalt national workshop on climate change mitigation measures for nutrient-rich organic soils was held in Estonia on Microsoft Teams platform as webinar. The workshop was organized by the University of Tartu and gathered more than 30 project stakeholders from Estonia.</p>	<p>Article on the Project website about the event: https://www.orgbalt.eu/?p=3116 Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=3105</p>	<p>36</p>
<p>1.07.2020. LIFE OrgBalt national workshop “Climate change mitigation measures in nutrient rich organic soils” was held in webinar format and gathered wide range of the project stakeholders in Latvia. The workshop was organized by the Ministry of Agriculture of Latvia,</p>	<p>Article on the Project website about the event: https://www.orgbalt.eu/?p=3094 Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=3060 Article on the project website about the 2nd round of national workshops and training workshops can be found here: https://www.orgbalt.eu/?p=4682</p>	<p>54</p>

partner in LIFE OrgBalt project.		
9.11.2023. Training workshop in Finland: “JustFood Living Lab – Vision Workshop.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=4557	26
4.04.2024. Training workshop in Latvia: “Sustainable management of organic soil.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=5146	26
8.04.2024. Combined training and national workshop in Estonia: “CCM Scenario modelling and legislative opportunities in the Baltic States.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=4698	27
8.04.2024. Training workshop in Estonia: “Value the climate change mitigation – a PPC model approach.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=5181	14
10.04.2024. National workshop in Latvia: “Nutrient-rich organic soil management for climate change mitigation.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=4635	63
12.04.2024. Combined training and national workshop in Germany: “Nutrient rich organic soil management for climate change mitigation.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=4762	27
17.04.2024. Training workshop in Lithuania: “Nutrient rich organic soil management, PPC model.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=5203	22

19.04.2024. Combined training and national workshop in Lithuania: “Nutrient rich organic soil management for climate change mitigation.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=4814	43
30.05.2024. Combined training and national workshop in Finland: “Nutrient rich organic soil management for climate change mitigation.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=5228	23
19.08.2024. Training workshop in Latvia: “Nutrient rich organic soil management for climate change mitigation.”	Agenda and presentations of the workshop can be found here: https://www.orgbalt.eu/?page_id=5259	52

External events

Event	About the event	Number of participants
13.01.2020. World Wetlands day event organized by Suoseura ry (Member organization to International Peat Society) – Luke – poster presentation in Finland: “Life OrgBalt project – Demonstration of climate change mitigation potential of nutrients rich organic soils in Baltic States and Finland” by Jyrki Jauhiainen and Raija Laho	Info: https://www.worldwetlandsday.org/display-event?p_p_id=eventDisplay&eventEntryId=591893	300
10.09.2020. 7th European Soil Partnership Plenary Assembly (online)	Article: https://www.orgbalt.eu/?p=3193 Agenda and presentation: https://www.orgbalt.eu/?page_id=3209	100

21.-23.09.2021. 10th International Scientific Conference "Rural Development 2021: Challenges for Sustainable Bioeconomy and Climate Change" – Silava "Afforestation as a type of peatland recultivation and assessment of its affecting factors in the reduction of GHG emissions"	Invitation: https://lithuaniabio.com/en/events/10th-international-scientific-conference-rural-development-2021/	n/a
8.11.2021. LIFE OrgBalt partners – Michael Succow Foundation and Latvian State Forest Research Institute Silava – organized the side event at the UN Climate Change Conference COP26 Peatland Pavilion "Organic soils and peatlands in the Baltic countries: Mitigation measures & monitoring, paludiculture and Carbon farming approaches". (Glasgow, UK / online)	Article: https://www.orgbalt.eu/?p=3977 Agenda and presentation: https://www.orgbalt.eu/?page_id=3952	56 institutions
26.-30.06.2022. BIOGEOMON 2022 – Muhammad Kamil Sardar Ali, Kaido Soosar, Hanna Vahtar, Thomas Schindler "Greenhouse gas emissions from drained hemiboreal peatland forest soils in Estonia"; Hanna Vahter, Muhammad Kamil Sardar Ali, Thomas Schindler, Andis Lazdiņš, Ain Kull, Ieva Līcīte, Aldis Butlers, Kaido Soosar "Drainage impact on N2O & CH4 fluxes from grassland on a drained nutrient-rich organic soils – sites, steps and preliminary results". (Tartu, Estonia)	Website: https://biogeomon2022.ut.ee Agenda and presentation: https://www.orgbalt.eu/?page_id=4463	155
13.-15.09.2022. ICOS Science Conference 2022 – Hanna Vahter, Muhammad Kamil Sardar Ali,	Website: https://www.icos-cp.eu/news-and-	n/a

Thomas Schindler, Andis Lazdiņš, Ain Kull, Ieva Līcīte, Ülo Mander, Aldis Butlers and Kaido Soosaar “Drainage impact on greenhouse gas fluxes from drained nutrient-rich organic soils under grasslands in the hemiboreal zone”. (Utrecht, Netherlands)	events/science-conference/icos2022sc Agenda and presentation: https://www.orgbalt.eu/?page_id=4478	
26.-28.04.2023. LIFE Platform Meeting on Action for European peatlands. Working group “Peatland restoration and climate change mitigation”. Seminar “The benefits of peatland restoration for Europe” (Berlin, Germany)	Article: https://www.orgbalt.eu/?p=4427 Agenda and presentation: https://www.orgbalt.eu/?page_id=4449	90 (in-person) + 800 (online)
23.-28.08.2023. EGU 2023 – Jānis Ivanovs, Andis Lazdiņš “Mapping peat layer thickness using machine learning and ALS data”; Muhammad Kamil Sardar Ali et al. “Soil CH ₄ and N ₂ O fluxes from drained nutrient-rich peatland forests in Estonia and Latvia”; Aino Korrensalo et al. “Drainage Impact on Greenhouse Gas Emissions from Grasslands and Croplands on Nutrient-rich Organic Soils in Baltic Countries”; Hanna Vahter et al. “Peat respiration in drained peatland forests under varying tree harvest regimes”. (Vienna, Austria / online)	Article: https://www.egu23.eu Agenda and presentation: https://www.orgbalt.eu/?page_id=4491	n/a
12.-15.06.2023. Nordic-Baltic Workshop on Greenhouse Gas Exchanges and Carbon Cycling in Managed Peatlands (Vindeln, Sweden)	Article: https://www.slu.se/en/departments/forest-ecology-management/forskning/the-forest-landscapes-climate-effects/nordic-baltic-workshop/	n/a

	Agenda and presentation: https://www.orgbalt.eu/?page_id=4503	
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Educational events

Event	Number of participants
11.10.2021. University of Latvia, Faculty of Geography and Earth Sciences – Silava, Jānis Ivanovs – 90 min lecture about remote sensing solutions developed within the OrgBalt for master students	7
11.02.2022. Course: ME-209 Metsäekologia (Forest Ecology, in Finnish) – Paavo Ojanen – Peatlands and climate (2h), B.Sc. level	45
15.02.2022. Course: FPR-215 Mitigation of climate change in forestry – Paavo Ojanen – Peatland and climate change (2h), M.Sc. (and Ph.D.) level	15
22.03.2022. University of Life Sciences and Technologies of Latvia, Forest Faculty – Silava, Jānis Ivanovs – 90 minute lecture about remote sensing solutions developed within the OrgBalt for bachelor students	24
19.-22.07.2022. New Phytologist next generation scientists – Muhammad Kamil Sardar Ali, Kaido Soosar “Fluxes of CO ₂ , CH ₄ , and N ₂ O from drained nutrient-rich organic soils” (hybrid event)	~90
24.10.2022. LBTU, Faculty on Agriculture and Food Technologies, Course: Lau22047 Agrarian policy – Ieva Līcīte – Climate policy in agriculture and forestry (4h), EU’s Climate policy as regards organic soil, OrgBalt results to support policy making by providing proposals for improved GHG reporting and projections data, B.Sc. level ERASMUS exchange students	6
9.11.2022. Course: FOR-225 Turpeen käyttö Suomessa (Peat use in Finland) – Paavo Ojanen – Climate impacts of peatlands and peat use (2h), M.Sc. (and Ph.D.) level	15
15.12.2022. University of Tartu, Chair of Physical Geography and Environmental Technology, and the Centre of EcolChange seminar – Hanna Vahter Presentation on introducing sites, steps and two year preliminary results on how drainage impacts N ₂ O & CH ₄ fluxes from grassland on a drained nutrient-rich organic soils	20
15.02.2023. University of Tartu,	20

Chair of Physical Geography and Environmental Technology, and the Centre of EcolChange seminar – Muhammad Kamil Sardar Ali presentation on Introduction, methods and results of drained forests sites CH ₄ and N ₂ O fluxes from Estonia and Latvia.	
17.02.2023. Course: MAAT-015 Bioenergiaketjut (Bioenergy chains) – Paavo Ojanen – Forest bioenergy and climate (2h), M.Sc. (and Ph.D.) level	30
16.02.2024. LBTU, Faculty on Agriculture and Food Technologies, Course: LauZ3182 Ilgtspējīga lauksaimniecības politika (Sustainable Agriculture policy) – Ieva Līcīte – Climate policy in agriculture and forestry (4h), Information about possible improvements on GHG emission reporting and GHG projections (incl. within the climate targets) based on OrgBalt results, B.Sc. level	44

Final conference

Event type and date	About the event	Number of participants
13.-14.06.2024. International conference of the LIFE OrgBalt project “Climate Change Mitigation in Organic Soils in Agricultural and Forest Lands” at the Academic Center of the University of Latvia	Article on the Project website about the Final conference: https://www.orgbalt.eu/?p=4956 Agenda and presentations of the Final conference can be found here: https://www.orgbalt.eu/?page_id=4870	80 climate experts, policymakers, and representatives from the forestry and agriculture sectors of the EU member states; Additional 116 participants online