LIFE OrgBalt project “Demonstration of climate change mitigation potential of nutrients rich organic soils in Baltic states and Finland

Steering group meeting
29 January 2020

LIFE OrgBalt, LIFE18 CCM/LV/001158

EU LIFE Programme project
“Demonstration of climate change mitigation potential of nutrients rich organic soils in Baltic States and Finland”

Project "roots"

LIFE REstore project results indicated importance and necessity to continue work on elaboration of GHG inventory data:

- *GHG emissions calculated by using nationally calculated emission factors from the most of the land use categories with nutrient-poor organic soils were about twice as less as the emission estimates using IPCC WS default factors*

- *Next step is elaboration of GHG emission factors for nutrient-rich organic soils (**LIFE OrgBalt project**)*

Without scientifically sound knowledge on the accurate emission amounts policy planners are not supported with the necessary information.

5 countries

8 partners

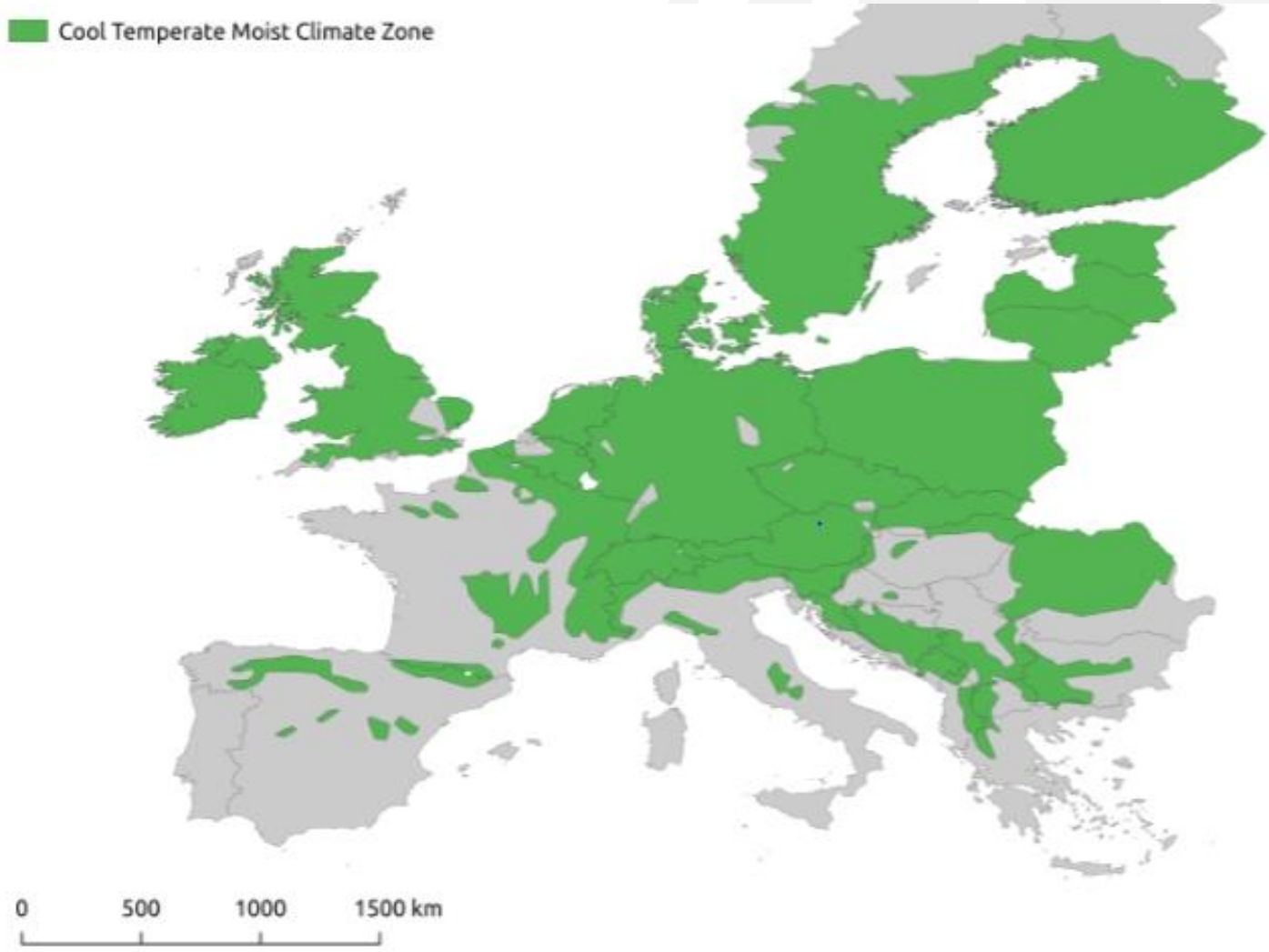
Latvia:	LSFRI Silava
	LLU
	MA
	BalticCoasts
Lithuania:	LAMMC
Estonia:	UT
Finland:	LUKE
Germany:	MSF

Start: 01/08/19 - End: 31/08/23

Budget info:

Total amount: 3 360 948 EUR, **EC Co-funding**: 54,87%

What is the target territory?



Main idea and objectives

Idea: GHG inventory improvements and innovative Climate Change Mitigation (CCM) measures in nutrient-rich organic soils in Temperate Cool & Moist (TCM) climate region to reduce GHG emissions from cropland, grassland and forest land

Objectives:

✓ Improvement of GHG inventory methods and activity data for nutrient-rich organic soils

✓ Identifying and demonstration of cost-effective CCM measures applicable in nutrient-rich organic soils

✓ Elaboration of tools and guidance for implementation of CCM measures

Key actions to achieve objectives

- Action A - **Preparation**
- Action C - **Implementation**
- Action D – **Monitoring of the impact**
- Action E – **Communication/dissemination**
- Action F – **Project management**

Action A – **Preparation**

SILAVA and BaltCoasts

- Development of the project framework: Project work plan with monitoring guidelines
- Status quo information on emission factors, activity data and mitigation measures currently and potentially applied to nutrient-rich organic soils
- Elaboration of the framework for communication, dissemination, replicability and transferability of the Project results

Action C – **Implementation**

MA, LLU, LRCAF, MSF, LUKE

- Demo sites (12, LV/(FI)) and reference sites (30 - LV, EE, LT), field data collection
- GHG inventory improvements: EFs, activity data including litter and fine root C input (forest), peat properties characterization (infrared screening methodology)
- Elaboration of GHG projections methodology and socio-economic analysis of the CCM measures
- Catalogue on CCM measures
- Web based Simulation tool for projections of GHG mitigation and socio-economic impact of CCM measures
- Integration of the Simulation tool into the policy planning and proposals for policy documents to reduce GHG emissions from organic soils

Considered climate change mitigation measures (demo sites)

In Grassland

- Paludicultures (alder in grassland)
- Afforestation (shorter rotation)
- Controlled drainage of grassland

In Cropland

- Agroforestry (fast growing trees, grass)
- Conversion of cropland to grassland
- Legumes in conventional crop rotation
- Fast growing species in riparian buffer zones

Considered climate change mitigation measures (demo sites)

In Forest land

- Continuous forest cover (spruce)

- Semi natural regeneration of clear-felling sites birch/grey alder) without drainage systems econstruction

- Wood ash application in spruce stands

- Alder in riparian buffer zones in forest

Action D – **Monitoring of the impact**

UT, SILAVA, BaltCoasts

- Monitoring of the implementation of the Project activities – monitoring of GHG fluxes in demo sites and verification of the impact of the implemented measures
- Evaluation of direct and indirect socio-economic effects of implemented CCM measures in demo sites and overall effect of the Project outcomes to policy planning
- Monitoring and measuring the LIFE key performance indicators (GHG reduction, sustainable land use management, economic improvements and dissemination and communication success)

Action E – **Communication/dissemination**

LUKE, BaltCoasts

- Networking – experience exchange visits, networking with similar international projects, dissemination actions targeting the competent EC authorities
- Dissemination and training – awareness rising on climate change mitigation potential of the Project results (national workshops), engagement of policy makers, training seminars, educational events for universities` students
- Information and dissemination – website, social media accounts, 8 scientific publications, press releases, policy briefs, articles, booklet, newsletters, Joint Baltic/Finnish climate change mitigation Action Program

Action F – **Project management**

SILAVA

- Coordination and day-to-day management
- Quality control of the implementation of all Project actions
- Setting up Project management structure

Project management structure

Project Steering Group

Once per 6 months

Monitoring of the Project implementation. Policy makers responsible for climate policy and sectorial policies (agriculture and forestry), representatives from the agencies dealing with GHG emission calculations, soil data and rural support

Project Management Group

Once per month

Coordination among the beneficiaries and day-to-day management of the Project: SILAVA, Baltic Coasts, MA

Work group/s

Once per month or as needed

Technical expertise and coordination of specific tasks and deliverables. Group members change from task to task

Importance of the steering activities

One of the main aims of the Project:

Impact national climate policy planning documents by implementing Project results..

Project results should be:

- widely discussed, understood and accepted;
- formulated in easily applicable format;
- transferable among countries and regions.

Steering Group engagement, expertise and feedback support all above mentioned

LIFE OrgBalt Steering Group

- Ministry of Agriculture of Lithuania
- Ministry of Environment of Lithuania
- Estonian Ministry of Rural Affairs
- Ministry of Agriculture and Forestry of Finland
- Ministry of Environmental Protection and Regional Development of Latvia
- *Federal Ministry for Environment, Nature Conservation and Nuclear Safety of Germany*
- Estonian Environmental Agency
- Rural Support Service of Latvia
- Latvian Environment, Geology and Meteorology Centre
- State Plant Protection Service of Latvia
- State Regional Development Agency of Latvia

Thank you!

www.orgbalt.eu @orgbalt @orgbalt LIFE OrgBalt orgbalt orgbalt

The project "Demonstration of climate change mitigation potential of nutrients rich organic soils in Baltic States and Finland" (LIFE OrgBalt, LIFE18 CCM/LV/001158) has received funding from the LIFE Programme of the European Union and the State Regional Development Agency of Latvia. www.orgbalt.eu

The information reflects only the LIFE OrgBalt project beneficiaries' view and the European Commission's Executive Agency for Small and Medium-sized Enterprises is not responsible for any use that may be made of the information contained therein.