LIFE OrgBalt 5th Steering Group meeting

February 3, 2022

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"

Agenda

10.05 (~10 min)	General progress of the Project **LIFE OrgBalt progress and what`s next – overall view (~10 min)** *Ieva Līcīte, LSFRI Silava*
10.15 (~35 min)	Project implementation activities – first year of GHG and environmental data measurements **Overall field work progress and preliminary results from 1st year measurements in reference sites (~15 min)** *Kaido Soosaar/ Kamil Sardar, TU* **Preliminary results from 1st year measurements in demonstration sites in Latvia (~10 min)** *Andis Lazdiņš, Silava* **Preliminary results from 1st year measurements in demonstration sites in Finland (~10 min)** *Jyrki Jauhiainen/Jani Anttila/Paavo Ojanen, LUKE*
10.50 (~10 min)	Project implementation activities - GHG modelling (WAM maps for Baltic States) **Wet area maps completed and available, way forward (~10 min)** *Jānis Ivanovs, LSFRI Silava*
11.00 (~10 min)	Project implementation activities – economic analysis **Simulation tool, first insights into methodology and structure (~10 min)** *Aleksejs Nipers/tbc, LLU*
11.10 (~20 min)	Questions and discussion **Advice and suggestions from SG members.**

LIFE OrgBalt progress and what`s next – overall view

5th Steering Group meeting
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Ieva Licite LIFE OrgBalt project coordinator, LSFRI "Silava"

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 management news

New members to LIFE OrgBalt Steering Group!

Two institutions working with nature protection themes:

! **Nature Conservation Agency Republic of Latvia (Ieva Saleniece and Edgars Bojārs)**

! **Ministry of Environmental Protection and Regional Development of Latvia, Department of Nature Protection (Diāna Saulīte)**

Welcome!

Currently we have 21 Steering Group members from 18 organizations in one or another way caring about organic soil management in agriculture and forestry

OrgBalt idea and objectives

Idea: improve GHG inventory and demonstrate climate change mitigation measures on nutrient-rich organic soils to reduce GHG emissions from cropland, grassland and forest land management.

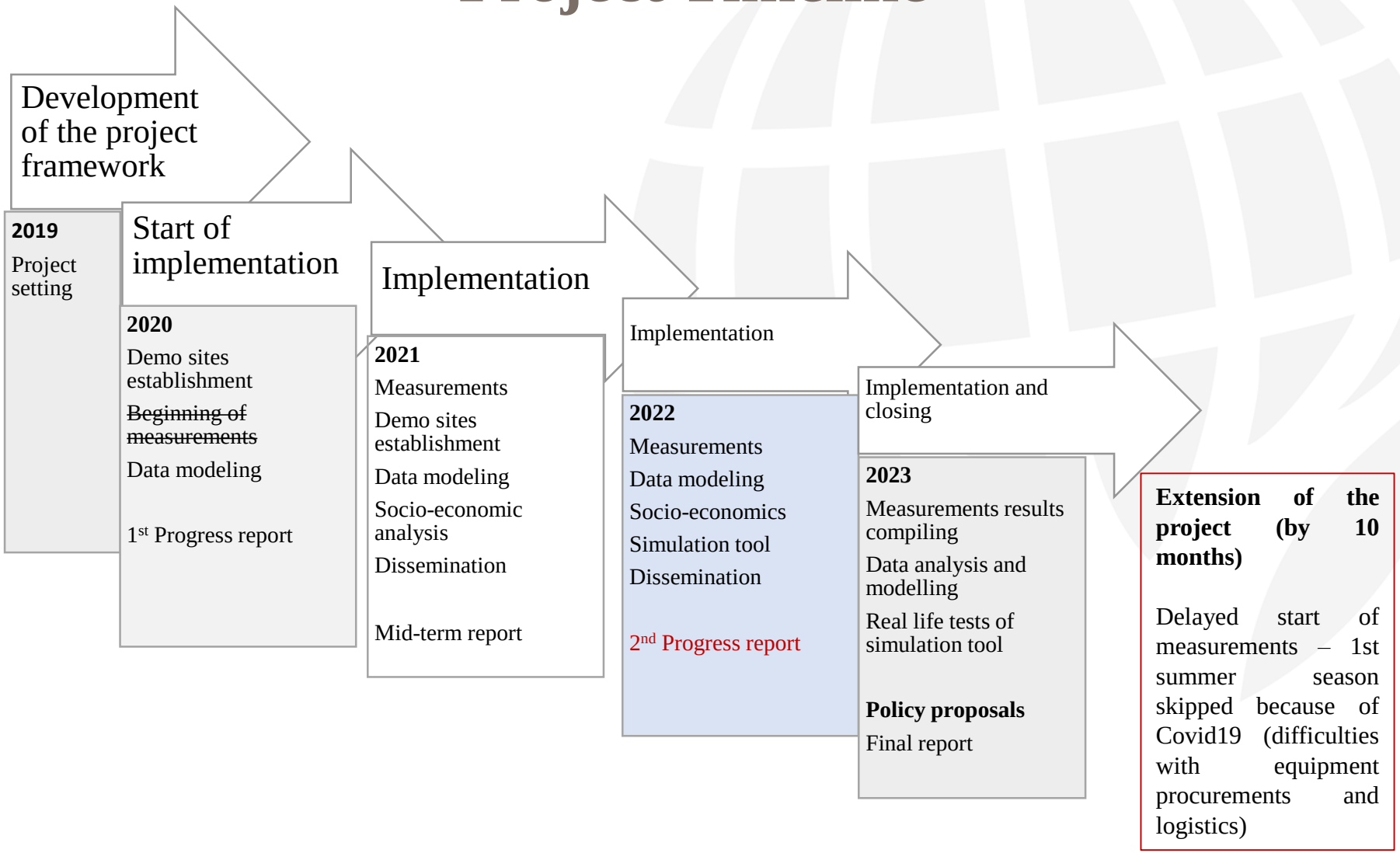
Objectives:

1. To improve GHG calculations for drained nutrient-rich organic soils by including project territory specific activity data and emission factors.

2. To identify and demonstrate sustainable and cost effective climate change mitigation measures.

3. To provide tools and guidance for the elaboration, implementation and verification of efficiency of climate change mitigation policies.

Project Timeline



Project actions

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

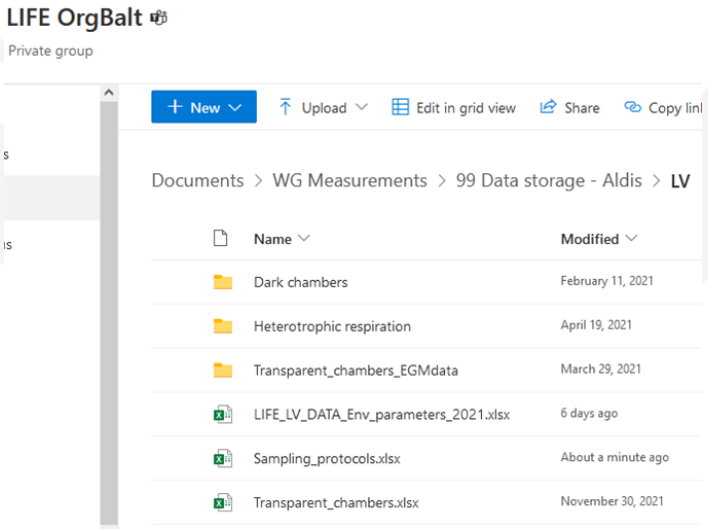
Where we are today –main milestones since June 2021(4th Steering Group meeting)

Project`s implementation activities (C1 –C5) – in progress

C1 "Filling knowledge gaps" ***- activity where we are gathering field data while working on new regional GHG emission factors!***

What we have done:

- Subgroups for coordination of field data gathering (lead by nominated expert)
- Monthly online meetings of WG Measurements (led by Tartu University)
- Regular GHG and other measurements in demo and reference sites (harmonized monitoring protocol and field note protocols)
- Harmonized data storage in OneDrive
- First year data analyses



Project`s implementation activities (C1 –C5) – in progress

C1 "Filling knowledge gaps" – in pictures☺

What we have done:

Study sites are prepared for field measurements and measuring process – ongoing.

What`s next?

Continuation of data gathering, storage, processing, analysis.

Project`s implementation activities (C1 –C5) – in progress

C2 "Modeling tools" - ***activity where we are working on improved data for GHG emissions modeling, calculations and projections!***

What we have done:

- Depth to water maps + **wet area maps** for Baltic States – ready! Jānis will inform more today!
- SUSI model scripts available in Jupyter Hub platform, model verified in published paper, input data list prepared, currently - data gathering phase, adaption for Baltic States GHG emissions modelling continues
- Work on climate change projections data mining – for modelling purposes

What`s next?

- Continuous work on SUSI peatland simulator adoption for Baltic States
- Look for options to obtain (and prepare to be used in modelling) data fro CORDEX database.

Project`s implementation activities (C1 –C5) – in progress

C3 "Establishment of demo sites" - ***activity where we are working on demonstrating cost effective GHG mitigation measures in practice!***

What we have done:

CCM demonstration sites are established or are in a technological process of establishment (e.g. planned felling/planting activities for Winter 2021/2022, Spring 2022).

17 demonstration sites in Latvia (14) and Finland (3), 11 demonstrations in forest land and 6 in agricultural land.

Project`s implementation activities (C1 –C5) – in progress

C4 "Policy documents" ***One of the most important activities! Finding the most appropriate ways and possibilities to make project results appropriately considered in policy planning!***

What we have done:

- analysis of current situation and possibilities to include project knowledge in practical policy planning documents in project partner countries: meetings with policy makers from all Baltic countries and analysis of obtained information
- Regular coordination with national experts working on CAP Strategic plan
- Progress of this activity is partly based on measurements` results

What`s next?

Continuation of the analysis work considering latest climate change policy developments and work on interim report to sum up everything investigated so far.

Project`s implementation activities (C1 –C5) – in progress

C5 "Replicability tools" ***- activity where we are working on tools for organic soil management impacts modeling at farm and country level!***

What we have done:

- Farm level simulation tool – PPC model developed as prototype. Continues work on economic data gathering characterizing each of measure
- Simulation tool – development of the methodology, Baltic level data gathering.

What`s next?

- Continuous work to add all CCM measures to farm level PPC model.
- Work on Simulation tool development. What would be socio economic and climate change targets achievement outcomes if project` measures are applied? Possibility to model diverse combinations of measures.

Project`s communication activities (E1-E3) – in progress

Activity where we are working on informing about our results and what we are doing and why!

E1 "Information"; E2 "Training"; E3 "Networking"

What we have done:

Quite a lot including: regular coordination of work on scientific publications (led by LUKE), work on popular article about demonstrated CCM measures and article for general public about contribution of the project to GHG inventory improvements. 2nd documentary about GHG and environmental data measurements – fine tuning phase.

What`s next?

LIFE Programme anniversary – 30 years! Already this May and OrgBalt is getting involved.

Regular workload: networking, dissemination, articles about GHG emissions management and sampling in agricultural and forest land and 3rd documentary with focus on demonstration sites.

Project`s management activities (F1) – in progress

This is activity where we are working on successful run of the project!

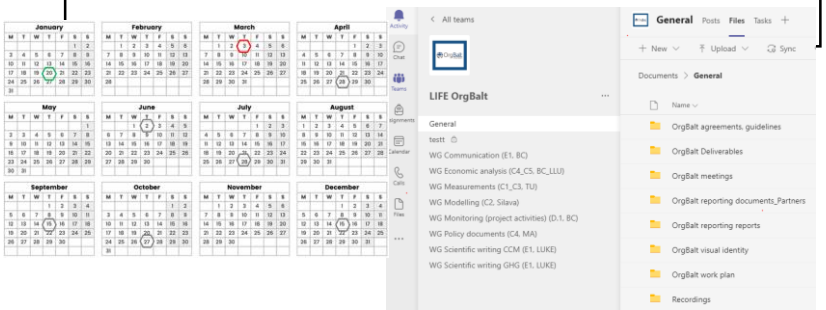
Project Steering Group

Once per 6 months

1st Steering Group January 29 2020
2nd Steering Group July 15 2020
3rd Steering Group February 4 2021
4th Steering Group June 29 2021
5thSteering Group February 2022
6th Steering Group June 2022
7th Steering Group January 2023
8th Steering Group June 2023
Tentatively – 9th Steering Group June 2024

Project progress meetings

Two times per each 3 months period, quarterly reports, project` meeting and data storage place – MS Teams Channel (72 members currently)



Current Work Groups

Meetings as needed

WG "Measurements" (TU)
WG "Modelling" (Silava)
WG "Scientific writing" (LUKE)
WG "Economic analysis" (BC, LLU)
WG "Policy documents" (MA)
WG "Communication" (BC)
WG "Monitoring" (TU, BC)

Next Steering Group meeting

Tentative timing: week 13.-17.06.2022

Draft agenda

1 day event with 2 parts (currently planned as in person meeting):

1) presentations/discussions - about 2 hours (in LSFRI Silava premises);

2) visit to demonstration sites - second part of the day.

Proposed and currently tested CCM measures on forest and agriculture land, discussion. Field demonstrations of measurements process.

Thank you!

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