LIFE OrgBalt 4th Steering Group meeting

June 29, 2021

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

11.30 (5 min)	Welcome and introduction to the meeting agenda *LIFE OrgBalt project coordinator Ieva Līcīte, LSFRI Silava*
11.35 (~10 min)	**LIFE OrgBalt progress and what`s next – overall view (~10 min)** *Ieva Līcīte, LSFRI Silava*
11.45 (~35 min)	**CCM measures in testing in Latvia (~25 min)** *Andis Lazdiņš, LSFRI Silava; Ainis Lagzdiņš, LLU* **CCM measures in testing in Finland (~10 min)** *Raija Laiho, Natural Resources Institute Finland Luke*
12.20 (~5 min)	**Depth to water maps completed and available, way forward (~5 min)** *Jānis Ivanovs, LSFRI Silava*
12.25 (~10 min)	**Public Private Partnership model - evaluation of CCM measures (~10 min)** *Elīna Konstantinova, Baltic Coasts*
12.35 (~10 min)	**Main conclusions from so far work on sectoral policy documents (~10 min)** *Kristīne Sirmā, Ministry of Agriculture of Latvia*
12.45 (~15 min)	**Advice and suggestions from SG members.**
13.00	Closing of the meeting

LIFE OrgBalt progress and what`s next – overall view

4th Steering group meeting
June 29, 2021

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 of LIFE OrgBalt Steering Group!

Two institutions that are of key importance to demo sites` management:

! The training and research farm of the LLU "Vecauce" (Indulis Ieviņš)

! Public agency "Forest Research Station" (Mārtiņš Līdums)

Welcome!

Currently we have 18 Steering Group members from 16 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.

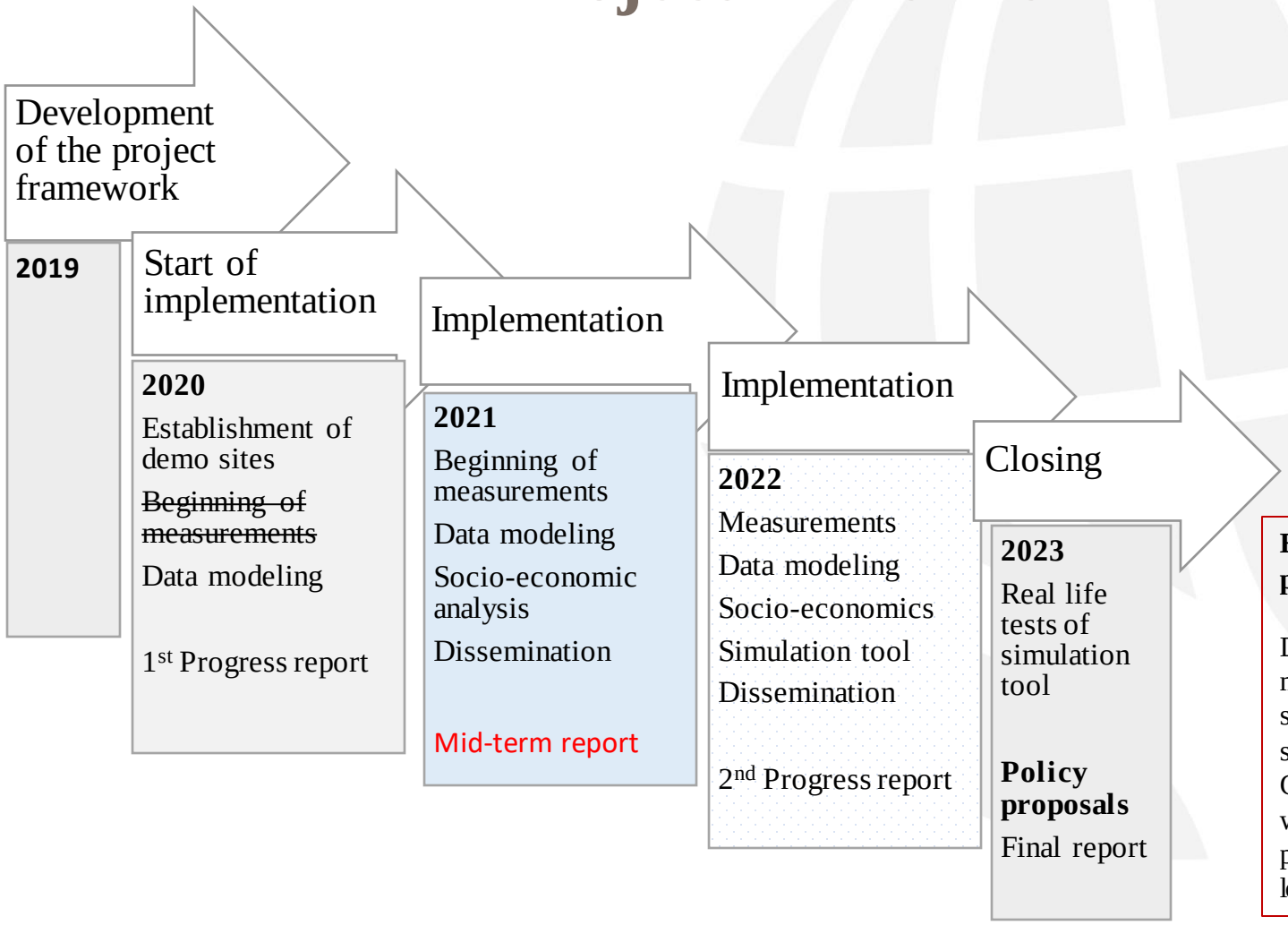
Objectives:

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



Extension of the project (by 1 year)

Delayed start of measurements – 1st summer season skipped because of Covid19 (difficulties with equipment procurements and logistics)

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 January 2021(3rd Steering Group meeting)

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

C1 "Filling knowledge gaps" ***This is 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 are established
- Field protocols are finalized to harmonize measuring techniques among FI, LT, EE and LV colleagues

Work package	Subgroup leader	Participant	
1) Site preparations	***Jyrki Jauhiainen***	FI: Jyrki J, EE: Kaido S	LV: Andis L, Mārtiņš V LI: Egidijus V.
2) Heterotrophic CO_2 flux monitoring	***Päivi Mäkiranta***	FI: Päivi M EE: Ain K, Kaido S	LV: Andis L, Mārtiņš V LI: Dovilė Č, Egidijus V.
3) Transparent chamber measurements (CO_2)	***Kaido Soosaar***	FI: Sanna S, Saara L EE: Ain K	LV: Andis L, Mārtiņš V LI: Egidijus V
4) Static dark chamber monitoring (incl. CH_4 & N_2O)	***Ain Kull***	FI: Päivi M EE: Thomas S	LV: Andis L, Mārtiņš V LI: Dovilė Č, Egidijus V.
5) Meteorological parameters	***Thomas Schindler***	Fi: Päivi M EE: Kaido S	LV: Mārtiņš V LI: Dovilė Č
6) Water & soil, litter sampling	***Mārtiņš Vanags-Duka***	FI: Timo P EE: Ain Kull	LV: Aldis B LI: Kęstutis A.
7) Litter production and decomposition belowground	***Raija Laiho***	FI: Tuula L EE: Ivika O	LV: Andis L, Mārtiņš V LI: Dovilė Č
8) Biomass production aboveground	***Andis Lazdiņš***	FI: Timo P EE: Ivika O	LV: Mārtiņš V LI: Olgirda B., Vaiva K
9) Data management (codes and storage)	***Aldis Butlers***	FI: Jyrki J EE: Kaido S	LV: Mārtiņš V LI: Vaiva K
10) Microbiology (New – to be formed ASAP)	***Jyrki Jauhiainen***	FI: Hannu F, Krista P EE: Mikk E	LV: LI:
11) FTIR (New– to be formed ASAP)	***Jyrki Jauhiainen***	FI: Jyrki J EE: Ain K	LV: Aldis B LI: Dovile C

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

C1 "Filling knowledge gaps"

What we have done:

- Study sites are prepared for field measurements

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

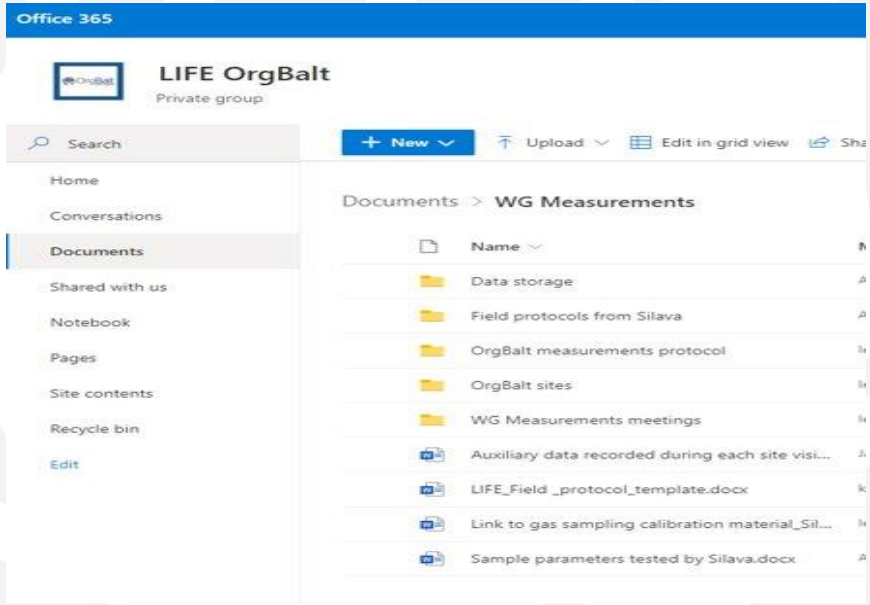
C1 "Filling knowledge gaps"

What we have done:

- Gaseous fluxes measurements for 2 vegetation periods (2021 and 2022)
- Annual litter production

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

C1 "Filling knowledge gaps"



What we have done:

- Raw data storage in coded way in LIFE OrgBalt SharePoint storage
- Regular monthly meetings to discuss everything (all ups and downs☺)

What`s next?

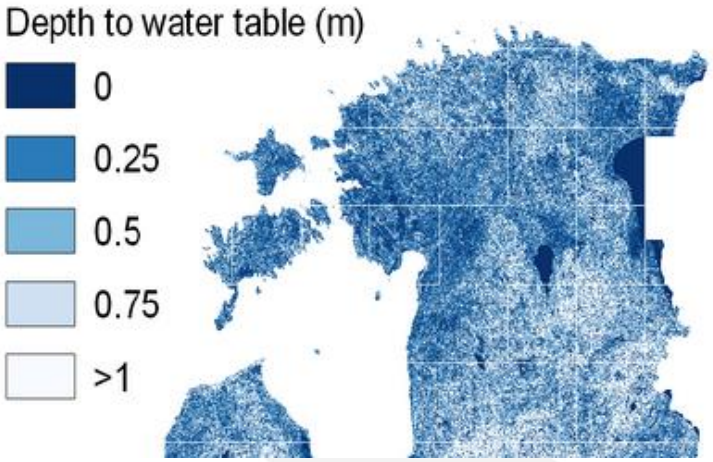
- To continue data gathering and storage for the coming year, to start data processing

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

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

What we have done:

- Depth to water maps for Baltic States – ready! Jānis will inform more today!



What`s next?

- Continuous work on SUSI peatland simulator adoption for Baltic States – GHG emissions modeling
- Deep down in work on modeling of GHG emissions projections under different climate scenarios

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

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

What we have done:

CCM demonstration sites are fully established or are in a technological process of establishment (e.g. felling activities are planned in winter 2021/2022).

16 demonstration sites in Latvia (13) and Finland (3), 11 demonstrations in forest land and 5 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 – Kristīne will inform you more today!

What`s next?

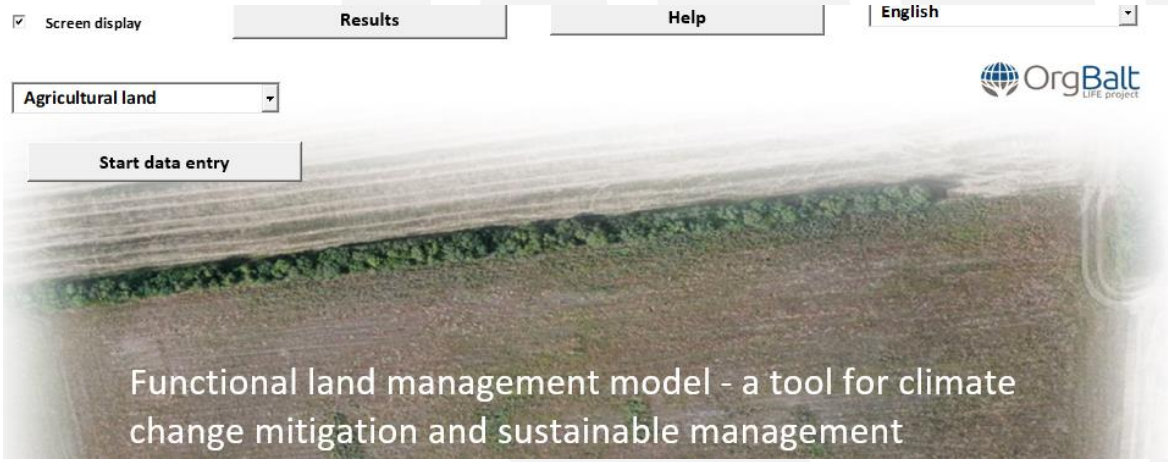
Continuation of the analysis work considering latest climate change policy developments

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

C5 "Replicability tools" ***This is 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 as prototype is developed – Elīna will tell you more today! What are costs, benefits, risks and do we need public support?



What`s next?

- Continuous work to add all CCM measures to farm level PPC model.
- Serious work is to be started on the development of country level Simulation tool. What would be socio economic and climate change targets achievement outcomes if project` measures are applied?

Project`s monitoring activities (D1-D3) – in progress

D1 "Implementation of activities"

D2 "Socio-economic impact"

D3 "Key performance indicators"

What have we done and what`s next?

- On-going work on GHG emission, socio-economic impact and communication/dissemination indicators monitoring…

Indicator	End of the Project	3 years after the end of Project	2020	2021	2022	2023	2024	2025	2026
Behavioral change	300 no of individuals	1500 no of individuals	n/a	n					
Reach, print media, no of copies	2 000 no. of individuals	n/a	n/a						
Reach, e-update, no of downloads	2 500 no. of individuals	n/a	710						
Reach, film, broadcasts	10 000 no. of individuals	n/a	n/a						
Reach, manual, no of copies	2 000 no. of individuals	n/a	n/a						
Conference	150 no of individuals	n/a	n/a	n					
Twitter followers	200 no. of individuals	n/a	10						
Facebook followers	200 no. of individuals	n/a	63						

Indicator	End of the Project	3 years after the end of Project	2020	2021	2022	2023	2024	2025	2026
Carbon dioxide CO_2	338 t CO2 eq. /yr	1041 t CO2 eq. /yr	n/a	n/a	n/a	-	-	-	-
Methane CH_4	35 t CO_2 eq. /yr	105 t CO2 eq. /yr	n/a	n/a	n/a	-	-	-	-
Nitrous oxide N_2O	47 t CO2 eq. /yr	141 t CO2 eq. /yr	n/a	n/a	n/a	-	-	-	-
Sustainable land use, forestry	28 ha	84 ha	n/a	-	-	-	-	-	-
Sustainable land use, agriculture	17 ha	17 ha	n/a	-	-	-	-	-	-
Employment, jobs created	FTE 7	FTE 15	9.9	-	-	-	-	-	-
Replication/ transfer	15 organizations	30 organizations	18	-	-	-	-	-	-
Awareness raising	500 No of individuals reached	2000 No of individuals reached	200	-	-	-	-	-	-
Website	Website hits 10 000	Website hits 40 000	4674 page views 01.08.2019.-31.07.2020.	-	-	-	-	-	-

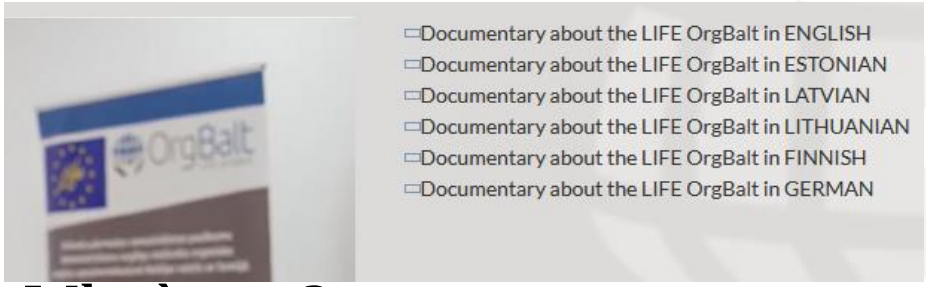
Project`s communication activities (E1-E3) – in progress

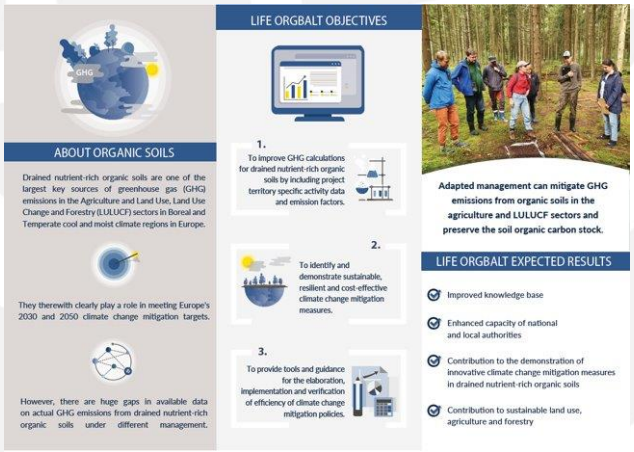
This is activity where we are working on informing about our results and what we are doing and why!

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

What we have done:

Quite a lot including - installed notice boards, 2 scientific publications, project leaflet in 6 languages, press release and technical article about depth to water maps, documentary and newsletters





What`s next?

Quite a lot☺ including - documentary with focus on GHG emissions, work on scientific and popular articles, newsletters, work on external and educational events and networking activities.

Project`s management activities (F1) – in progress

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

Project Steering Group

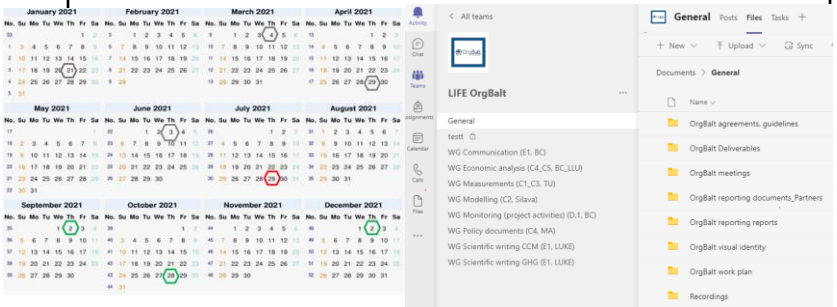
Once per 6 months

1st Steering Group January 29 2020
2nd Steering Group July 15 2020
3rd Steering Group February 4 2021
4th Steering Group June 29 2021
5th Steering Group January 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 (64 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)

Thank you!

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