



OrgBalt

LIFE18 CCM/LV/001158

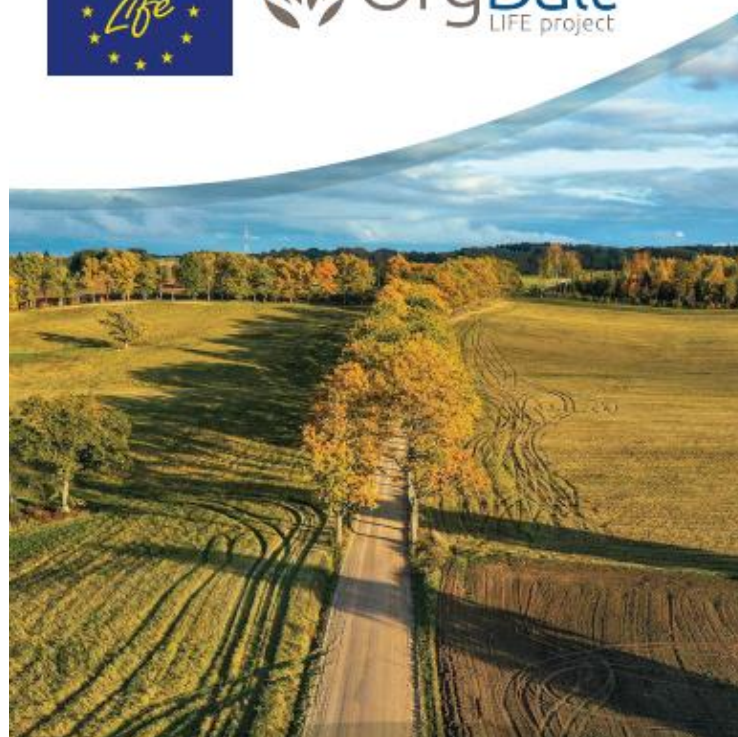
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Objectives

Adapted management can mitigate GHG emissions from organic soils in the agriculture and LULUCF sectors and preserve the soil organic carbon stock

Objectives

1. GHG inventory improvements – territory specific activity data and emission factors
2. Demonstration of cost effective climate change mitigation measures
3. Tools and guidance for the elaboration, implementation and verification of efficiency of climate change mitigation policies



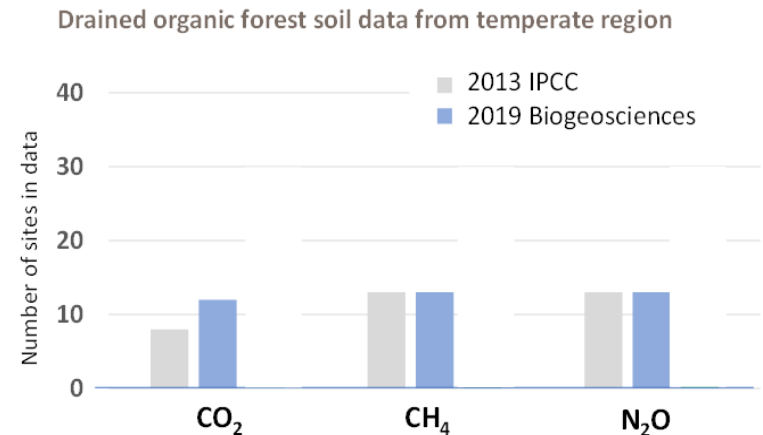
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III. Restoration and Climate Change

Reliable GHG measurements – as demonstrated by drained organic forest soils

- GHG data availability from temperate climate region was still limited in the 2010s decade
 - Despite the complex data structure, assessments combined data from various soil characteristics, environment- and management conditions, and different forest types
 - Monitoring approaches were inconsistent
 - Monitoring often excluded some measures contributing to the soil C-balance, relying instead on literature values

-> Clear need for reliable GHG measurements and measures contributing to the soil C-balance

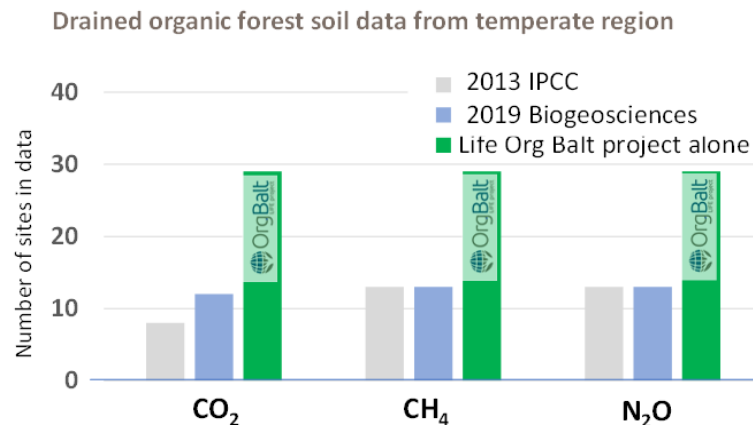


2013 IPCC; Wetlands assessment; <https://www.ipcc-nggip.iges.or.jp/public/wetlands/>
 2019 Biogeosciences; Jauhiainen et al.; DOI: 10.5194/bg-16-4687-2019

III. Restoration and Climate Change

Key lessons learnt for the collection of high-quality data in the LIFE OrgBalt

- Data collection should include multiple replicated conditions
- Implementation of monitoring beyond the IPCC standards
- A standardized monitoring within the project partnership
- Reliable data requires site- and site-type specific information on GHGs, vegetation biomass, dead organic matter transfer and -turnover, ...
- The data should be suitable for advanced modelling



Key Messages to Share

Top five tips for peatland survival

- **Reliable data and, one more time – reliable data** as the only trustable basis for the policy making
- **Comprehensive understanding of** natural and socioeconomic processes in peatland
- **Locally appropriate** and adaptable restoration/management solutions
- **No pillar** of sustainability is **left behind**, including economic
- **Reliable modelling tools** for everyone from GHG inventory people up to policymakers