



Ministry of Agriculture
Republic of Latvia

NFP information from Latvia

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Norway Financial Mechanism 2014-2021 project «Enhancement of sustainable soil resource management in agriculture»

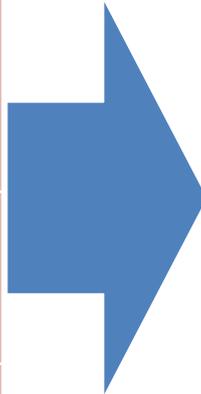
Two soil classification systems are currently used in Latvia

Soil mapping has not been carried out in Latvia for at least 30 years

Old soviet maps with peat soil distribution

Complicated to make sustainable soil management decisions

Default GHG emission factors show higher than actual emissions



Development of **national soil classification system**, that can be compared with the World Reference Base for Soil Resource

Development of **soil mapping methodology**, economical assessment
10 experts trained to perform soil description and mapping

Map on peat soil distribution in agricultural land

Establishment of national **soil carbon monitoring system**

Improvement of national **GHG emission calculation system**



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LIFE OrgBalt: «Demonstration of climate change mitigation potential of nutrients rich organic soils in Baltic States and Finland», LIFE18 CCM/LV/001158

Project partner countries: Latvia, Lithuania, Estonia, Finland, Germany

Target territory: Temperate Cool & Moist climate region

Start: 01/08/19 – **End:** 31/08/23

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

More info: <https://www.orgbalt.eu/>



Cool Temperate Moist Climate Zone

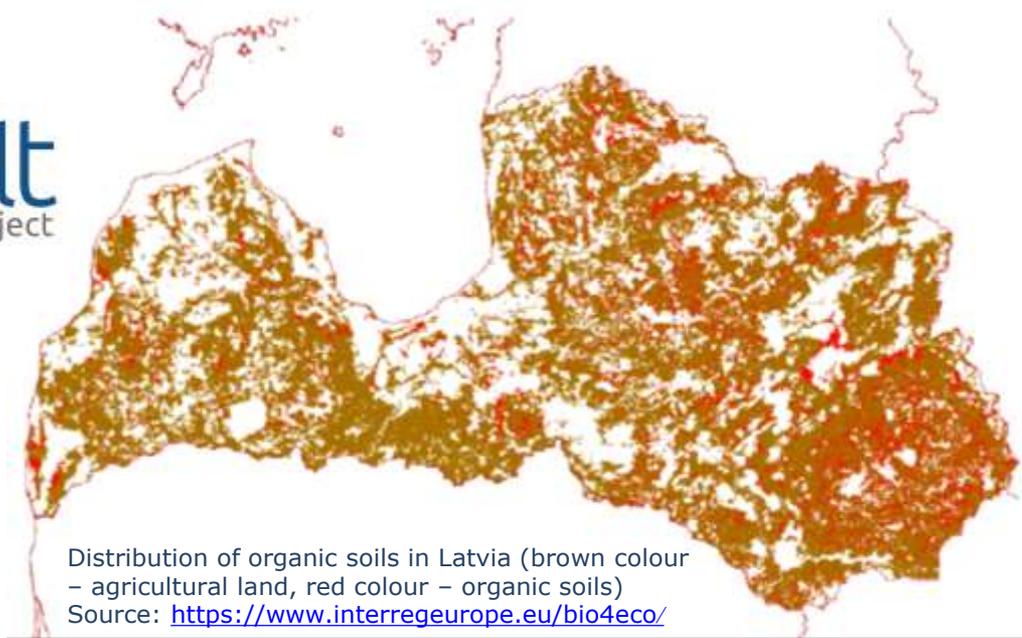




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OrgBalt
LIFE project



Distribution of organic soils in Latvia (brown colour – agricultural land, red colour – organic soils)
Source: <https://www.interregeurope.eu/bio4eco/>

Significance of organic soils:

~ 10% of all value added in Latvian agriculture

~ 120 M EUR output per year

Organic soils make significant part or agricultural emissions in Latvia – around 30 %

Previous project (LIFE Restore) 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.



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