



Climate change mitigation targeted management practices on organic soils – summary of Life OrgBalt project sites

Reference and demo sites in LIFE OrgBalt project – range of land uses and management practices and rationale of establishment

Stakeholders meeting in Estonia
Date: June 29th, 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”



The scope of establishment of reference and demo sites

*Elaboration of **activity data** for accounting of GHG emissions and CO₂ removals in organic soils in the **National GHG inventories** and methodologies for modelling of activity data for the **projections of GHG emissions***

*Elaboration **emission factors** for **nutrient-rich organic soils** in forest land, cropland, grassland and wetlands under conventional management conditions*

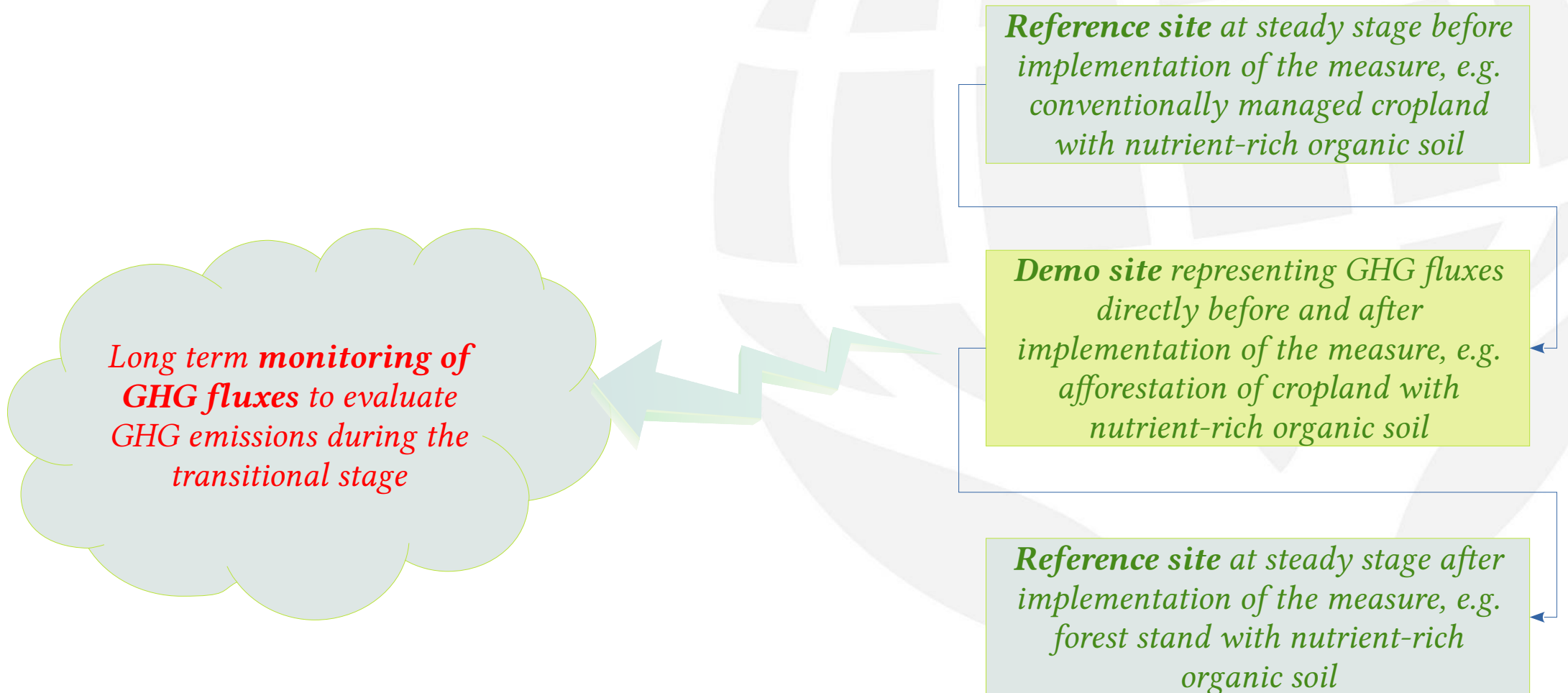
*Evaluation of **impact of the proposed climate change mitigation measures** on GHG emissions from nutrient-rich organic soils*

*Data support for **development and verification of GHG modelling solutions** for organic soils*

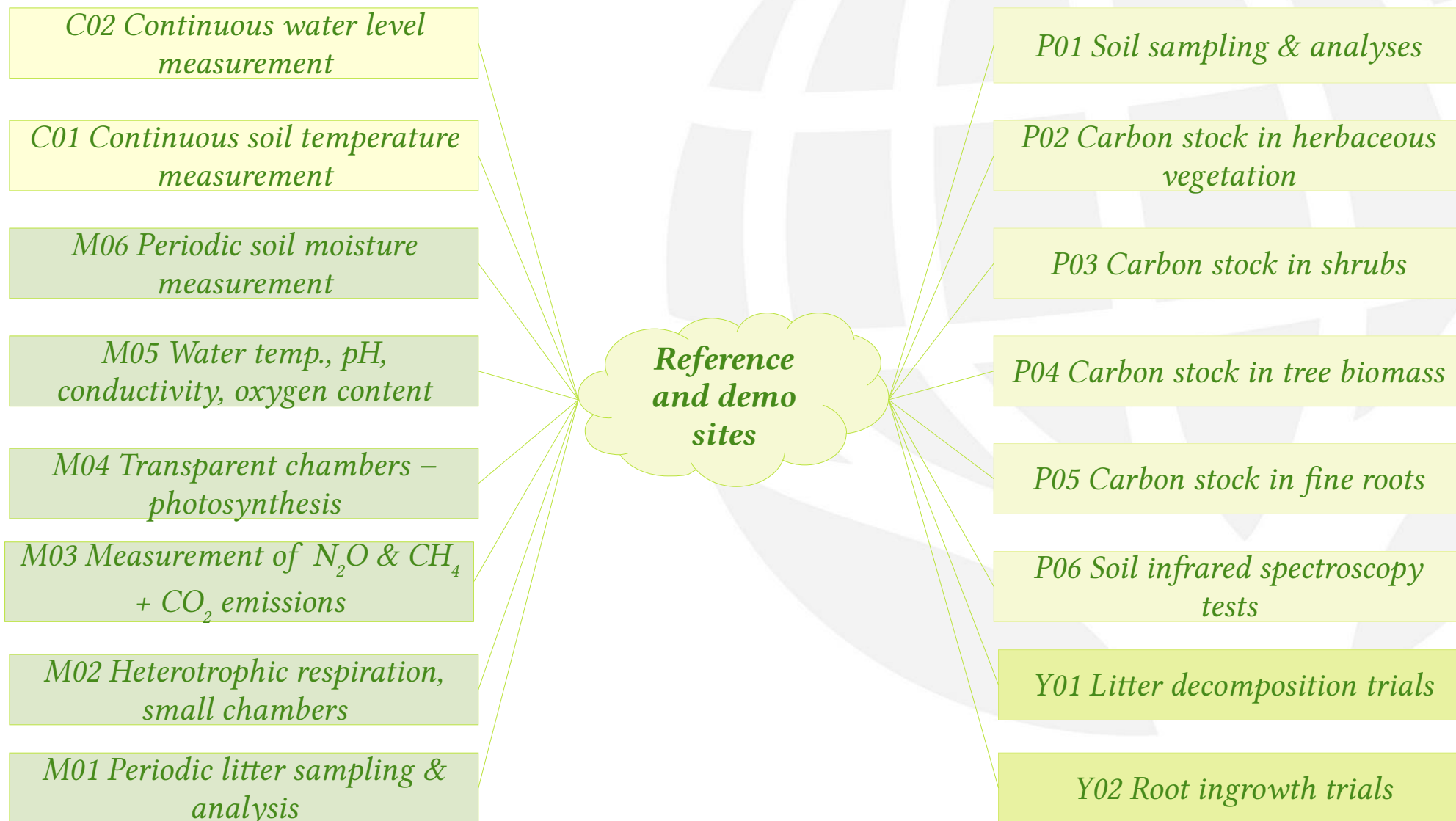
*Demonstration of **reduction of GHG emissions** from nutrient-rich organic soils by implementation of mitigative measures*

*Establishment of demo site for further **training, education and monitoring** purposes*

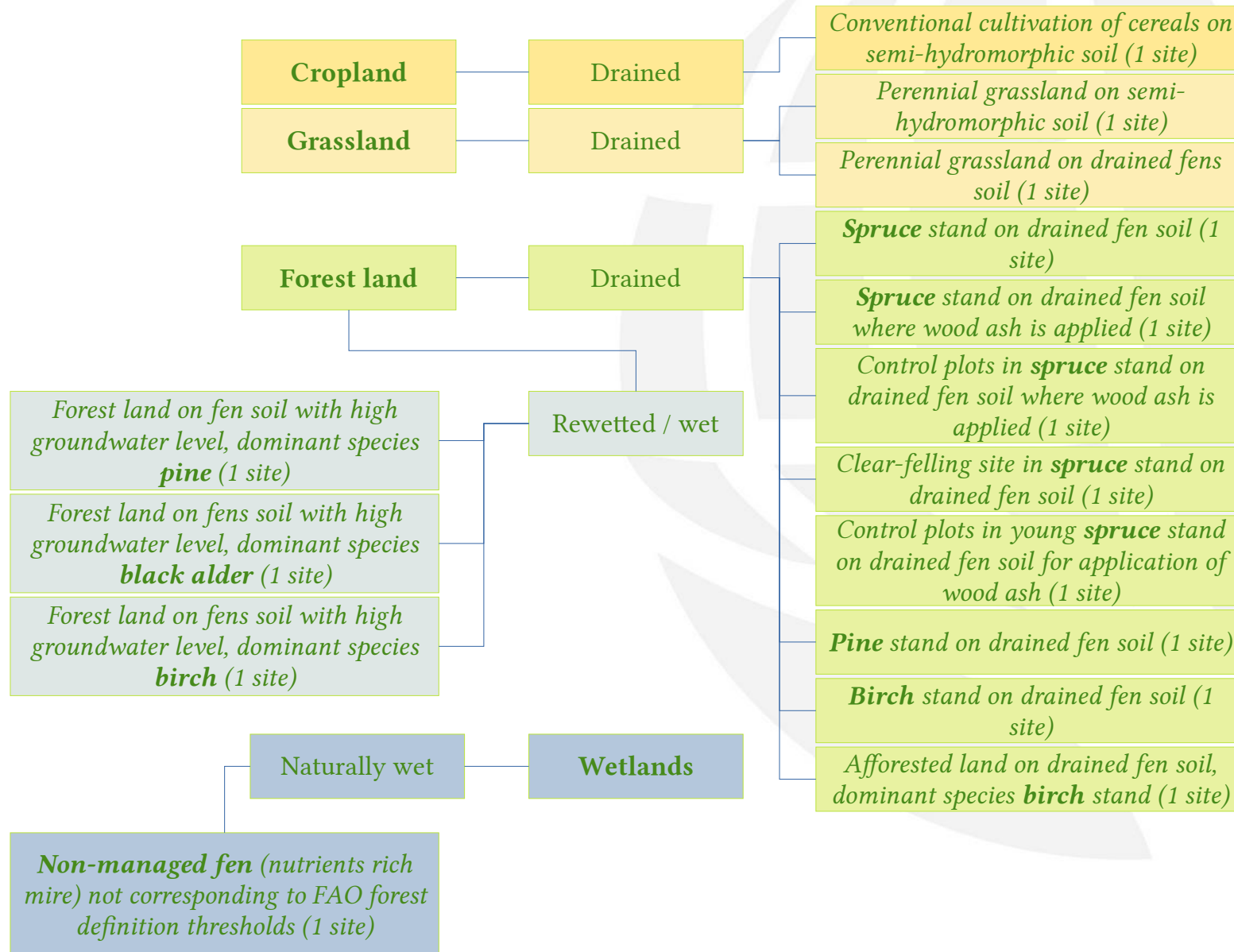
Two step verification procedure of impact of the implemented measures



Measurement procedures in reference and demo sites

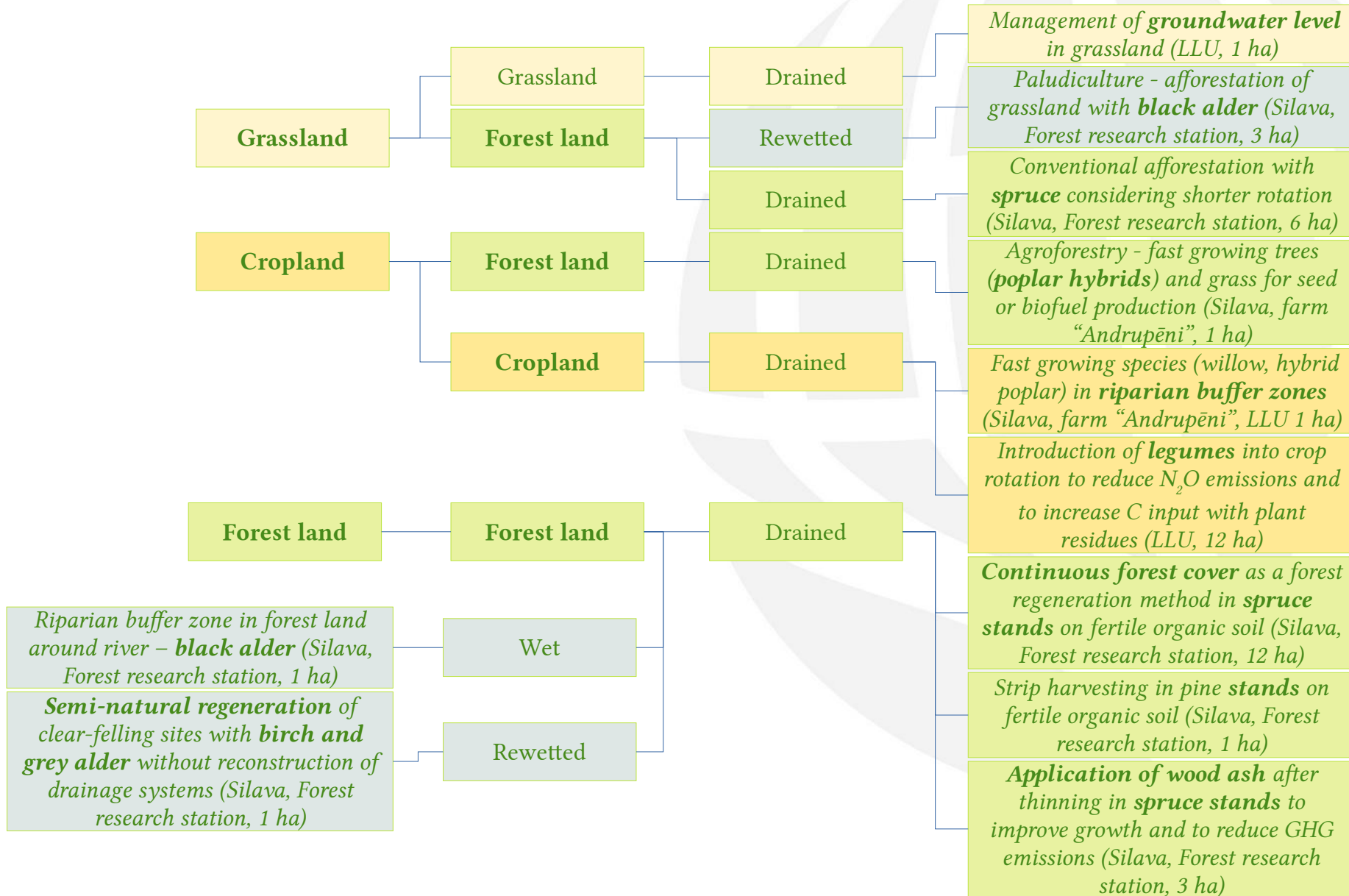


Reference sites in Latvia



In total 15 measurement sites, 24 months of continuous measurements

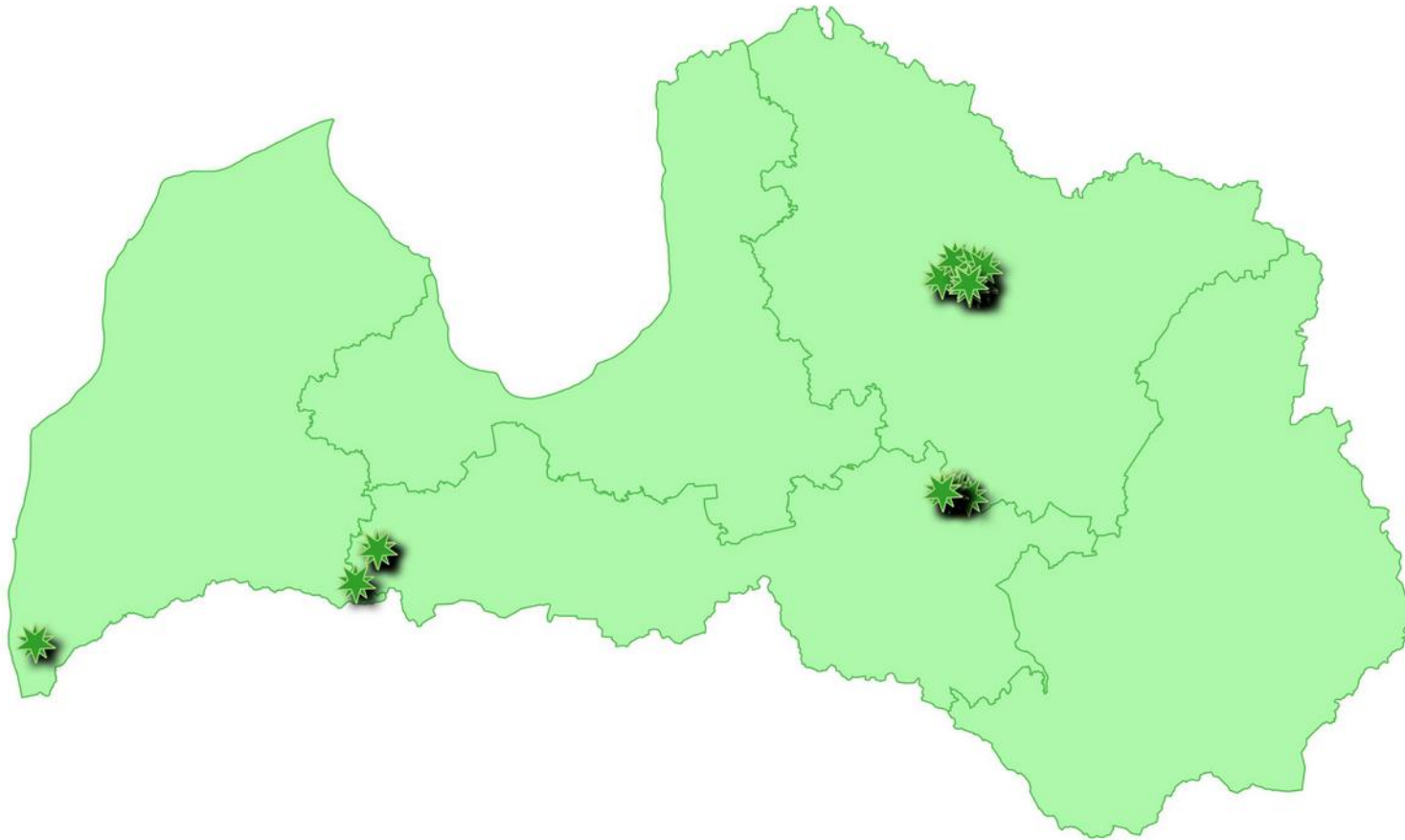

Demo sites in Latvia



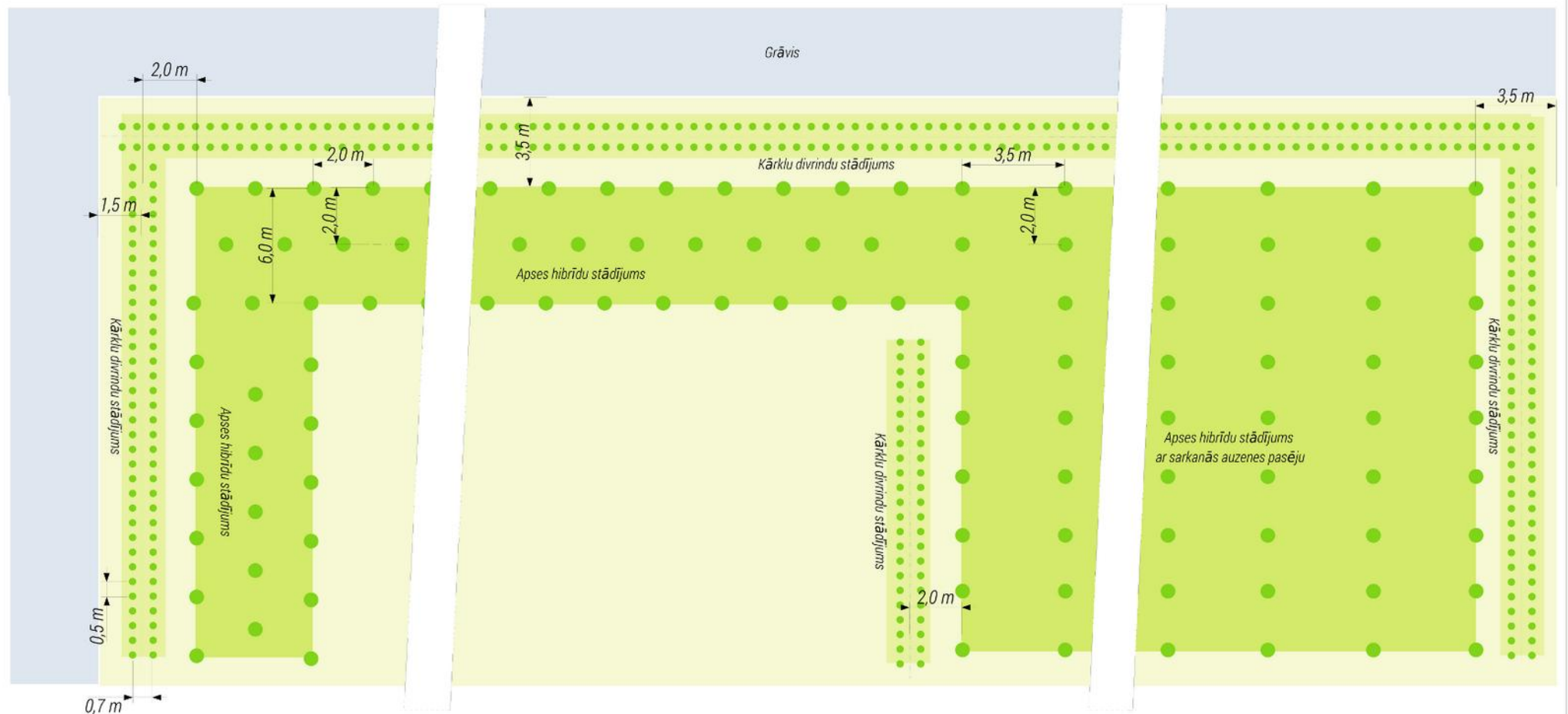
In total 11 demo sites, 24 months of continuous measurements

Location of already identified demo and reference sites in Latvia, in cooperation with Research forest agency & farm "Andrupēni"

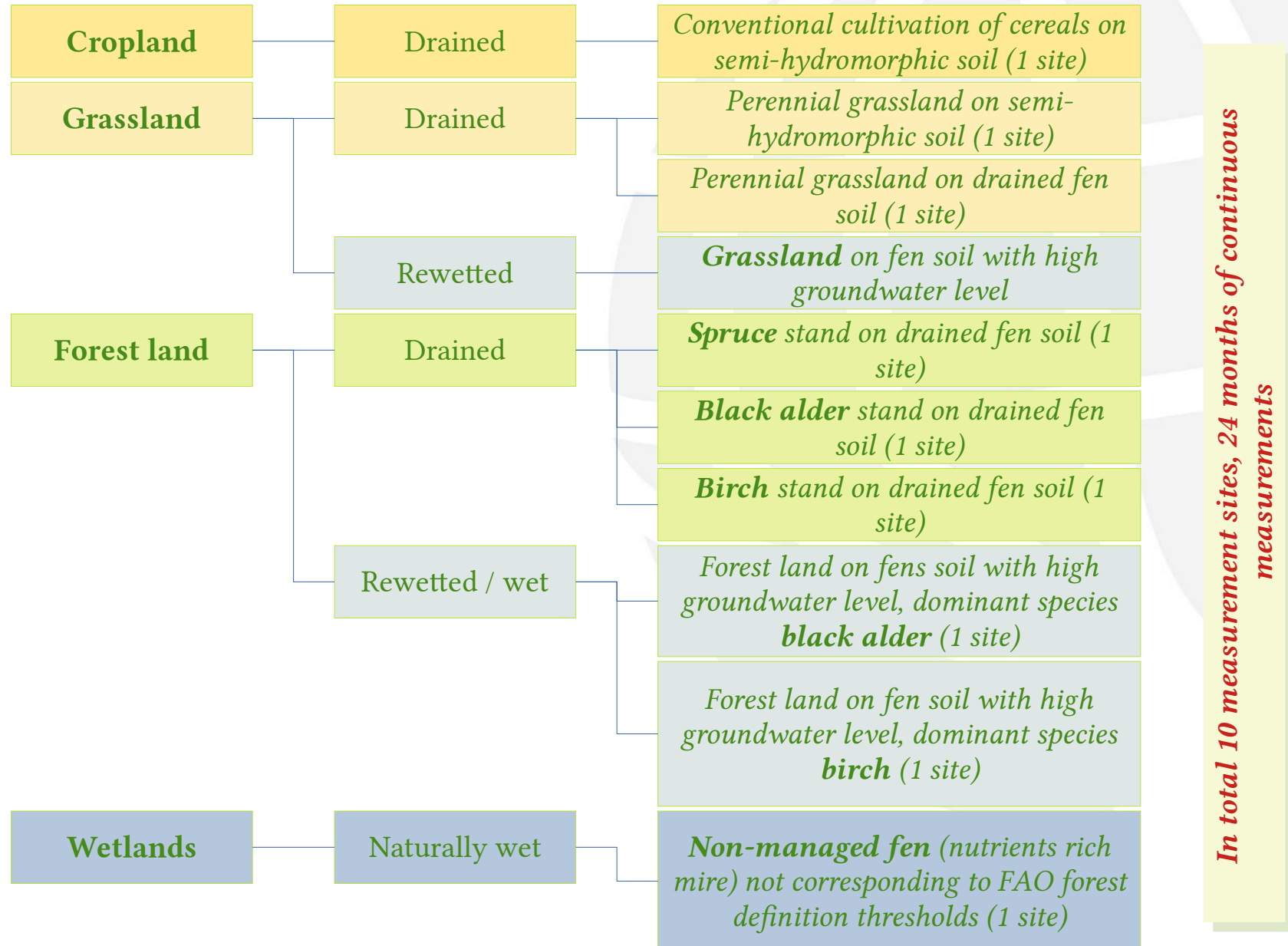
0 25 50 75 100 km



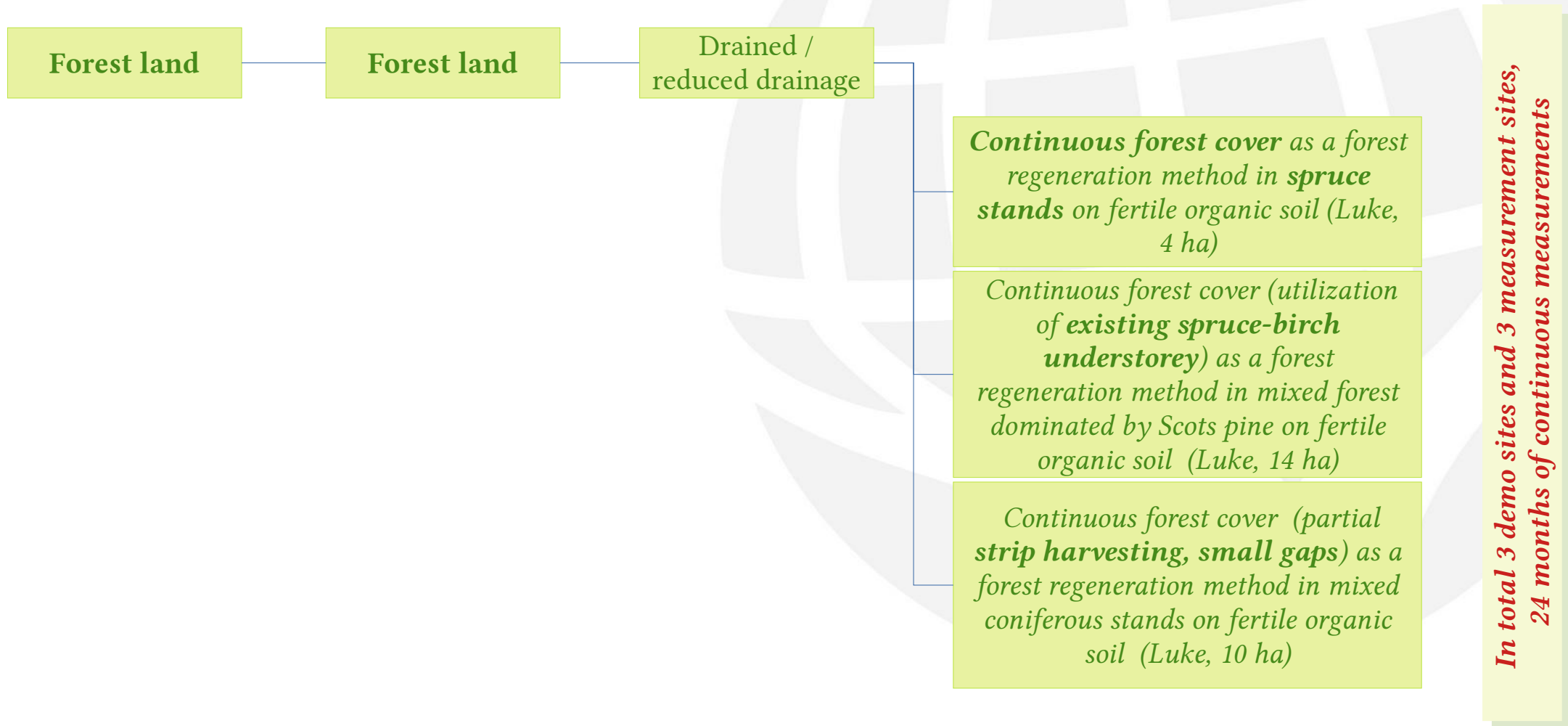
Example of demo field design in cropland – agroforestry, conversion to grassland, buffer zones



Reference sites in **Lithuania** (*similar in Estonia*)



Demo sites in Finland



Thank you for attention!



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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

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