

Towards a European Forest Monitoring System











Project facts

- Start: September 2022
- Duration: 4 years
- 23 Partners
- 17 supporting organizations (ICP Forests and NFIs)







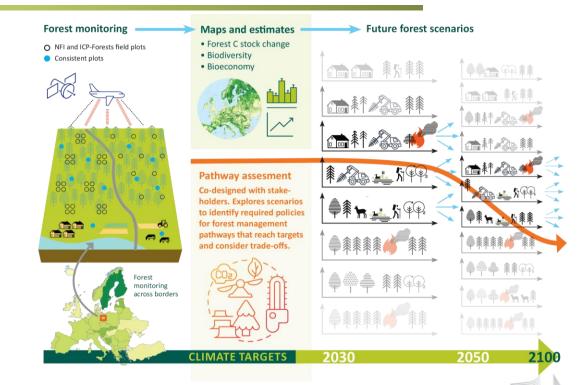




Aim: Prototype of an Integrated European Forest Monitoring System

Integration

- Field data, Rem. sens., modelling
- National information
- National expertise



Europe

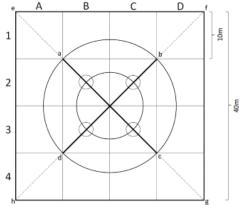




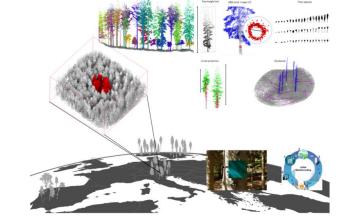
Results - Advanced field-based monitoring



- Methods for structured collection and QC of NFI data
- Compiled > 1,3 million NFI plots with RS info from 14 countries
- Blueprint for standardized field plots to support existing systems
- Field protocol for using personal lidar as a measurement tool









Results – Mapping and estimation

Maps and estimates

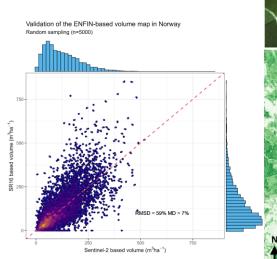
- · Forest C stock change
- Biodiversity
- Bioeconomy

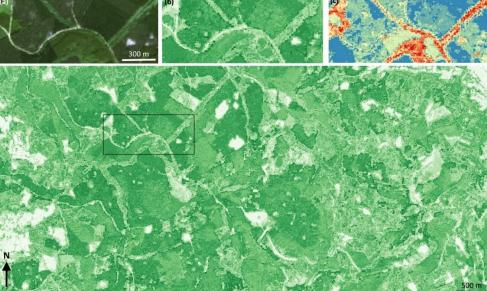


- Living Biomass (AGB)
 - Volume
 - Deciduous/coniferous proportion

Pan-European maps combining NFI and sattellite data for 2021

AGB loss in 2021



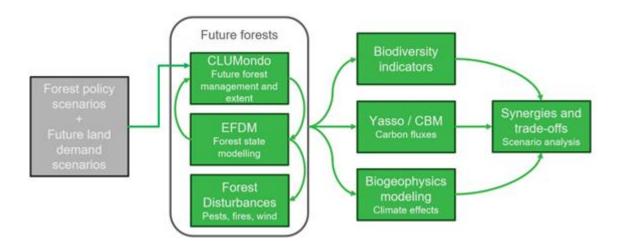




Ongoing work – Forecasting



Modelling framework and interactions







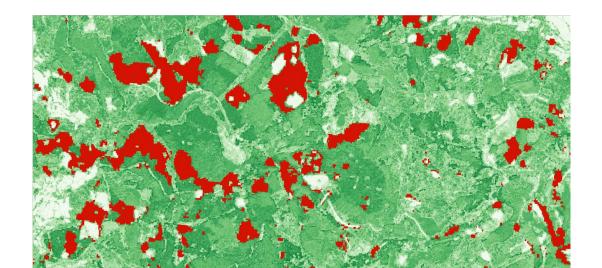


Ongoing work – Pathway assessment



A reporting and accounting framework for the LULUCF sector

- Uni Bristol, JRC, NIBIO
- First steps: comparison of AGB loss map with country NIRs
- Institutionalization of ENFIN better European coordination









partners





















































