



Metsäkeskus

23.1.2023



Euroopan unioni
Euroopan aluekehitysrahasto

Vipuvoimaa
EU:lta
2014–2020



Metsäkeskus



POHJOIS-KARJALA
Maakuntaliitto



EFI

The Forest Digitalization Test Laboratory – North Karelia

Leena Leskinen
Finnish Forest Centre

5th Edition of the Forest Innovation Workshop
“The role of innovation in managing new challenges in the forest-based sector at regional level
in the EU” January 18th, 2023 – Brussels

23.1.2023

The forest digitalization test laboratory – North Karelia

Best practice to combine research, development and practical co-creation with citizens

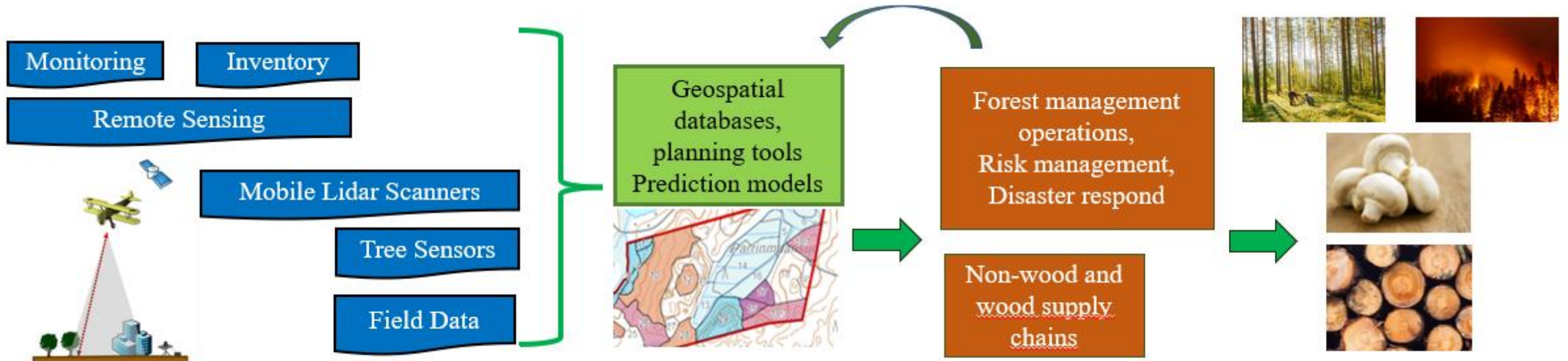
- Top down
- Bottom up
- Or difficult to say which way...





Mindset: from data & science to users

- We lean on the digitalized forest database and inventory process maintained by Finnish Forest Centre (FFC).
- The high accuracy forest data enables endless new solutions, based on practical needs or innovations from the research.
- Continual communication with the practitioners.
- Upscaling by partnerships



Ideas for innovations

Remote sensing data	Geospatial database	Software, digital services & professionals, forest owners, citizens
Development of terrestrial lidar for reference data supply	Forest nature product database Updating management operations (ERP) Disaster/damage alert	ShroomHarvester - Food production innovations from harvester's grapple Calculator for tending young seedlings (benefits in euros) Tools for maintaining biodiversity in managed forests (retention tree planning)

Kiitos mielenkiinnosta!

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