BBioNets

Boosting the adoption of Bio-Based Technologies

Cross-Fertilisation Meetings

Bio-Based Practices on Farms & Forests

"Efficient Woody Biomass Utilisation"

ForestMAP-IA. "Continuous biomass monitoring through remote sensing and AI"

Jorge Olivar Ruíz AGRESTA S.COOP.

Online, 12/02/2026

agresta

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Executive Agency (REA). Neither the European Union nor the granting authority can be held responsible for them.

About us



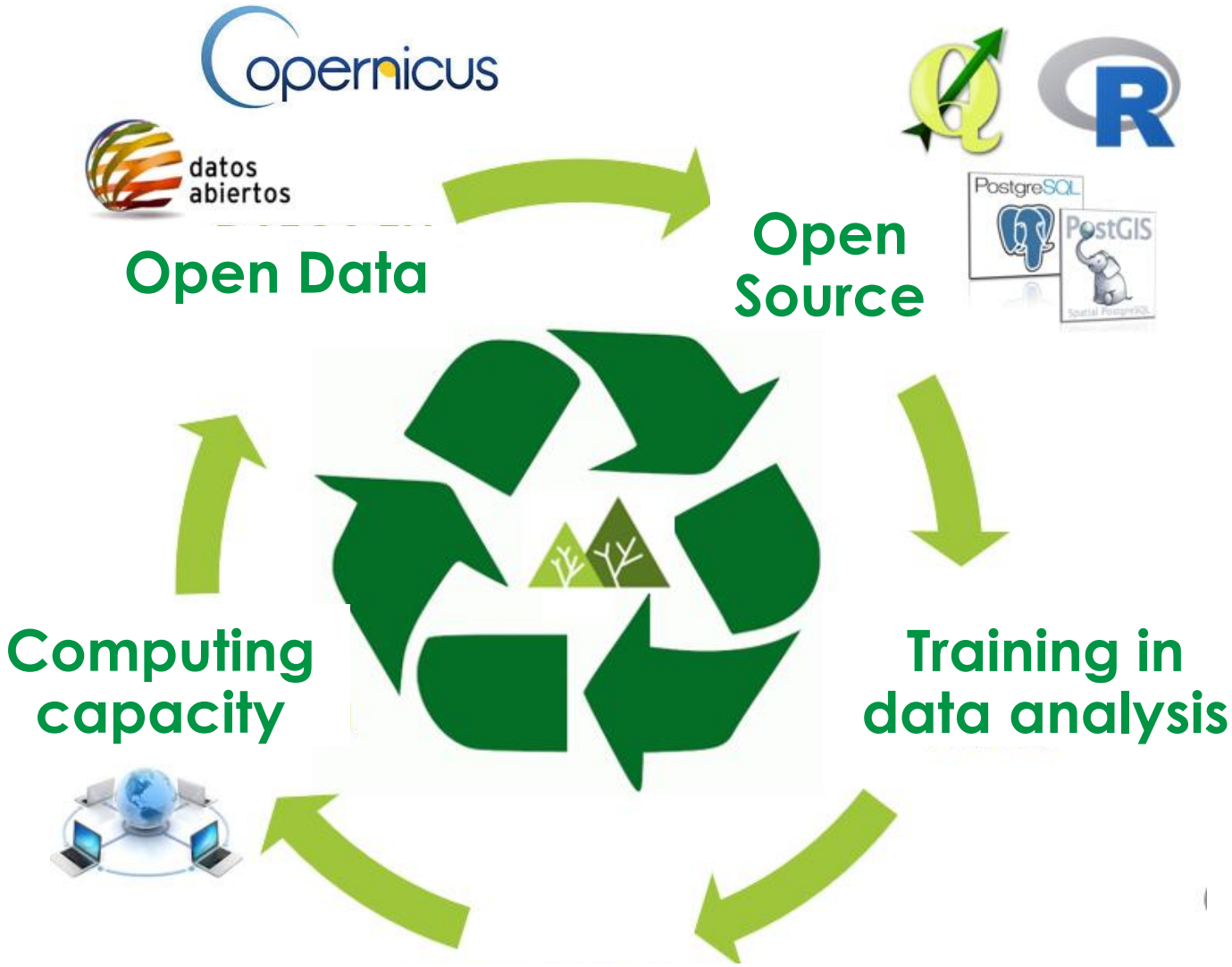
- Cooperative Project
- Focused on forests and rural development
- Founded in 2000
- Over 50 employees
- R&D team: 12 PhDs
- 12 work centers
- National and international projects

Remote sensing and forest monitoring

INFORMATION

Use of available data

Opportunity for innovation

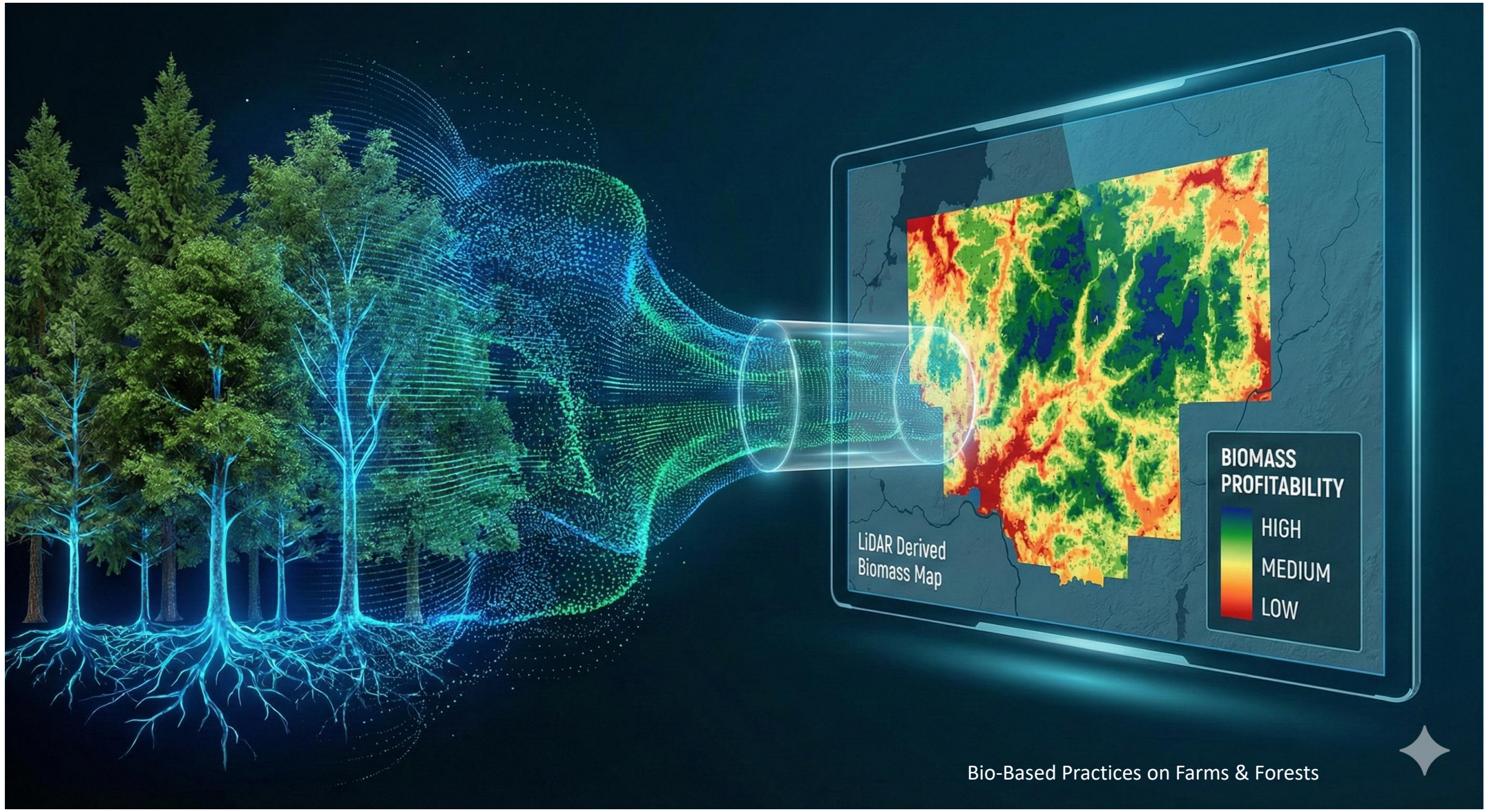


OPPORTUNITIES FOR FOREST MONITORING

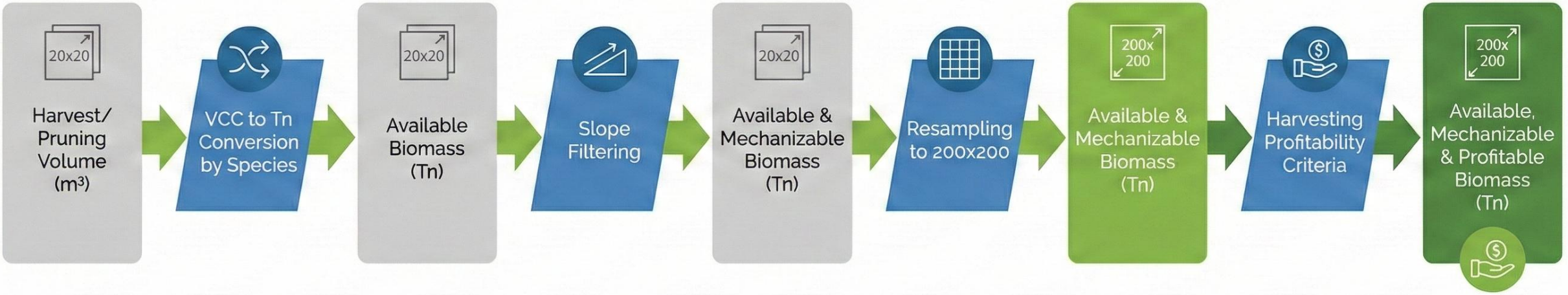
Analysis of biomass availability for the industry



Biomass availability and profitability workflow

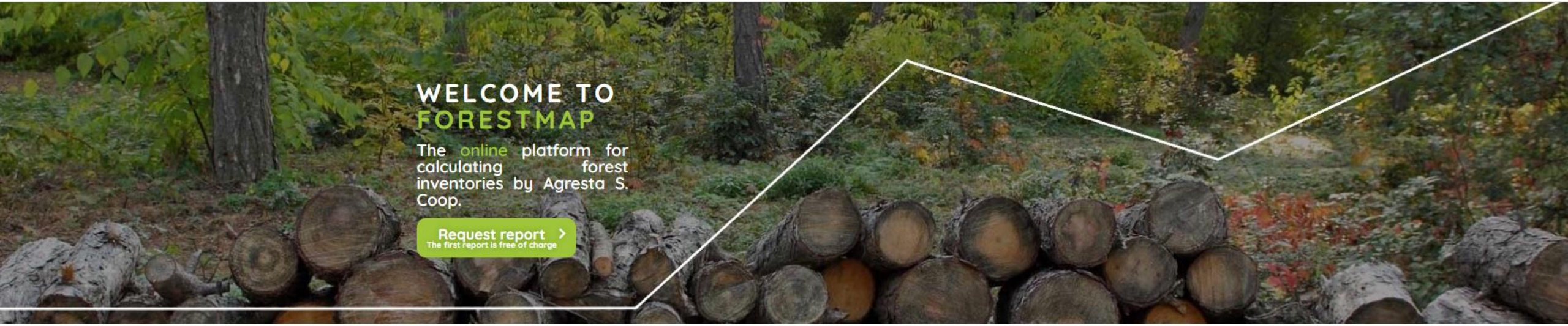


Biomass availability and profitability workflow



FROM 15 YEAR OF EXPERIENCE IN REMOTE SENSING

https://forestmap.eu/en/





Project framework: 7 COUNTRIES 7 FOREST SECTORS

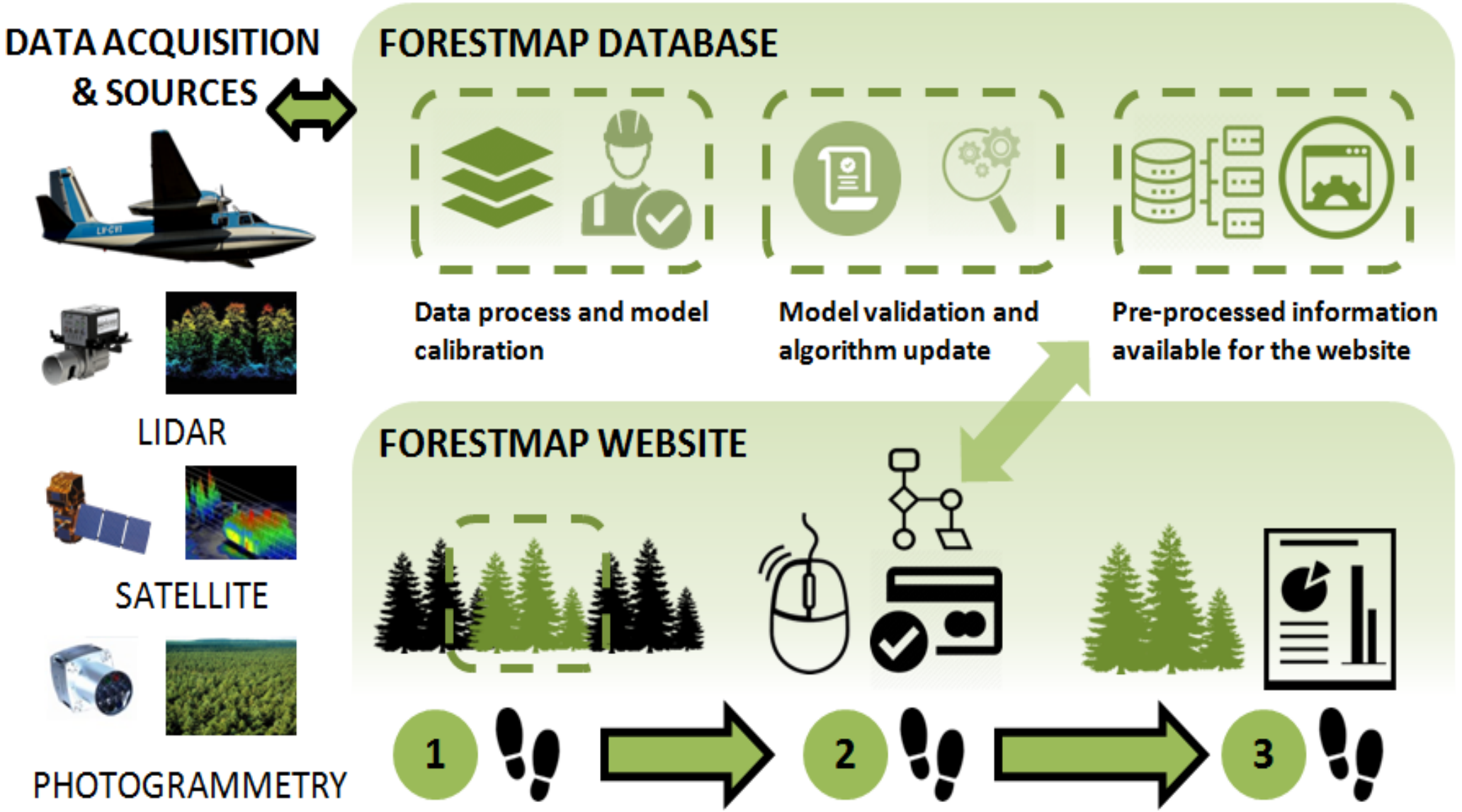
In collaboration with sector stakeholders:

- Forest owner's associations
- Data providers
- Local consultants

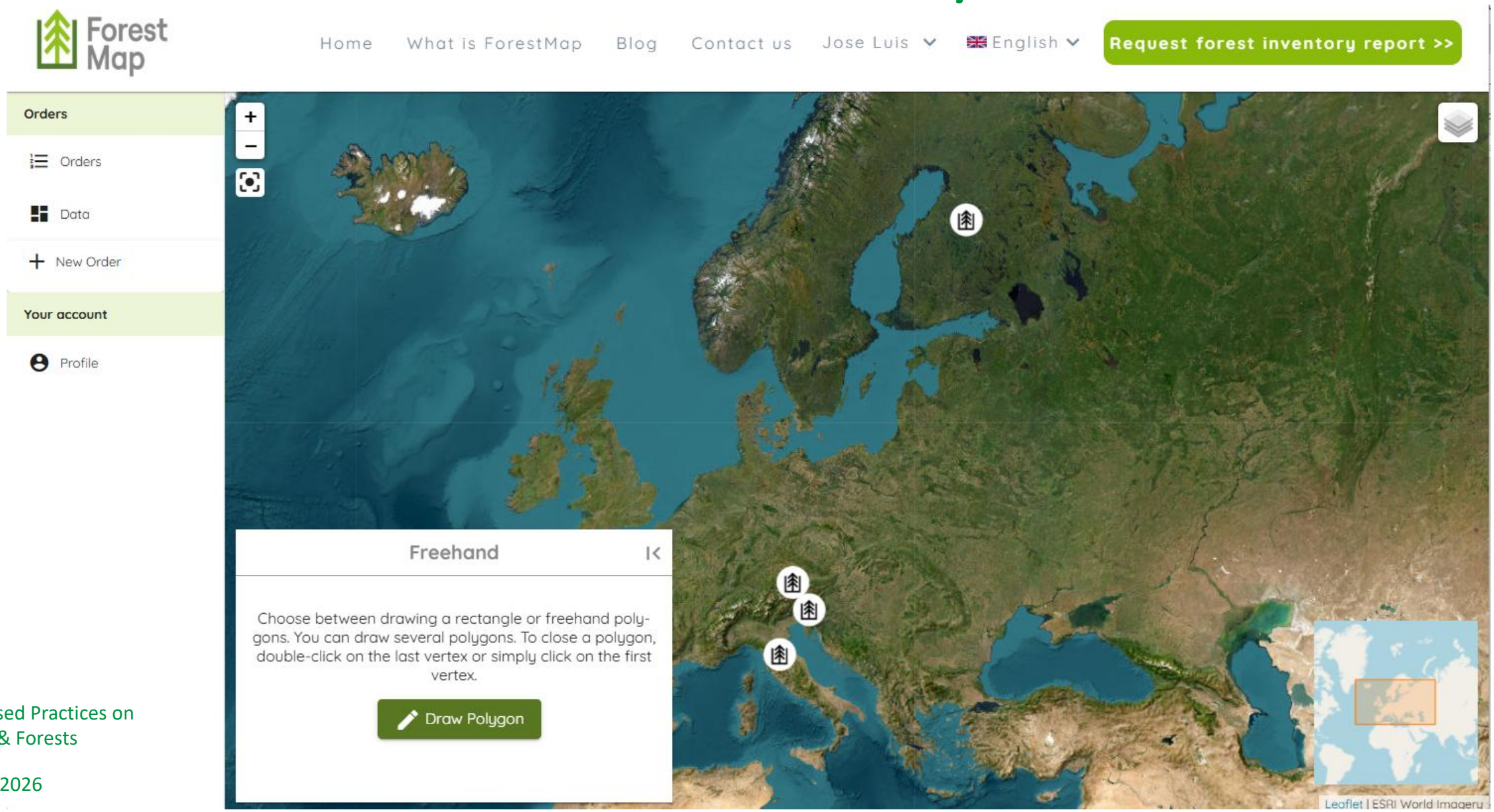


https://forestmap.eu/en/

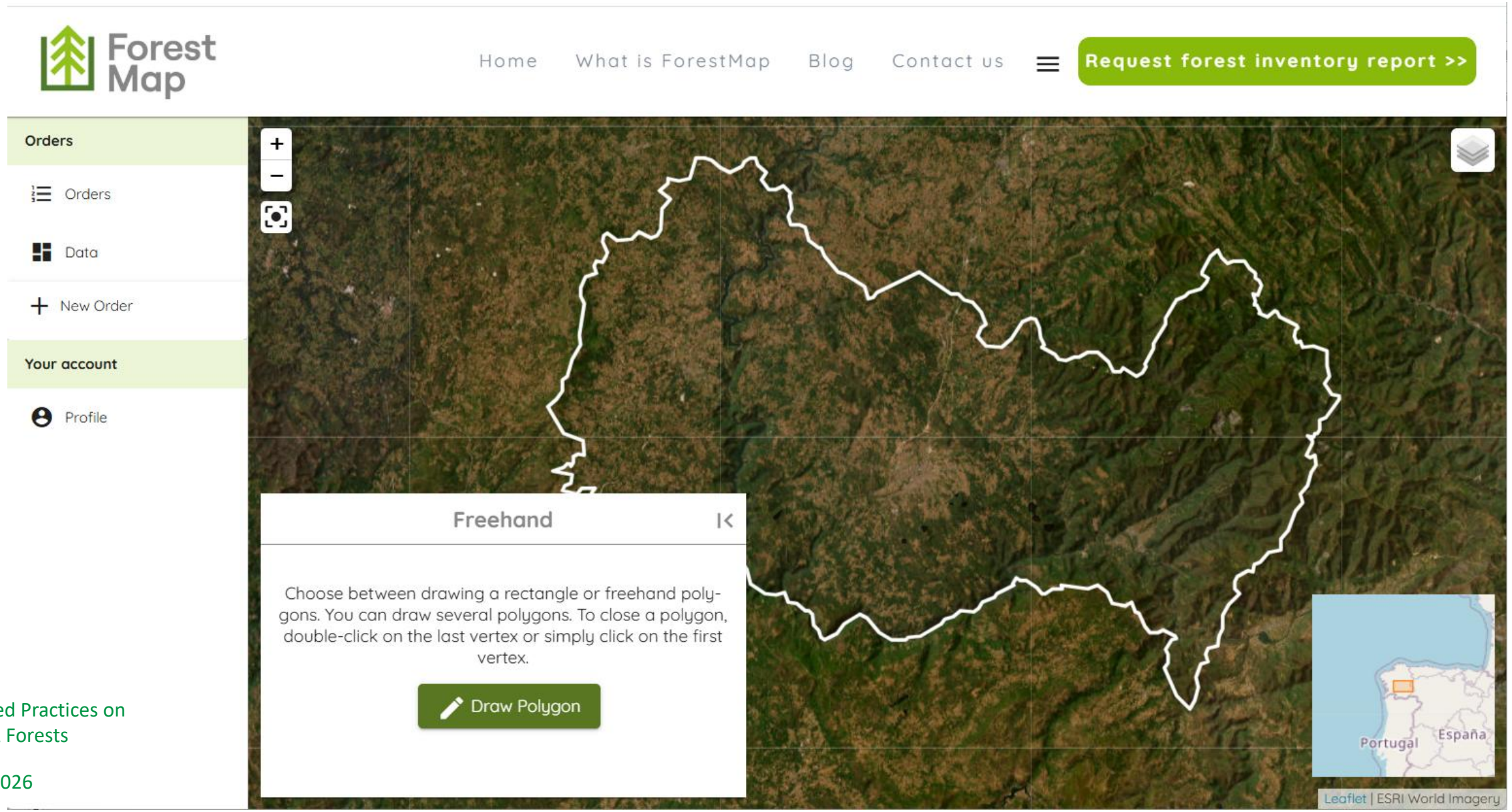
How does the monitoring system work ?



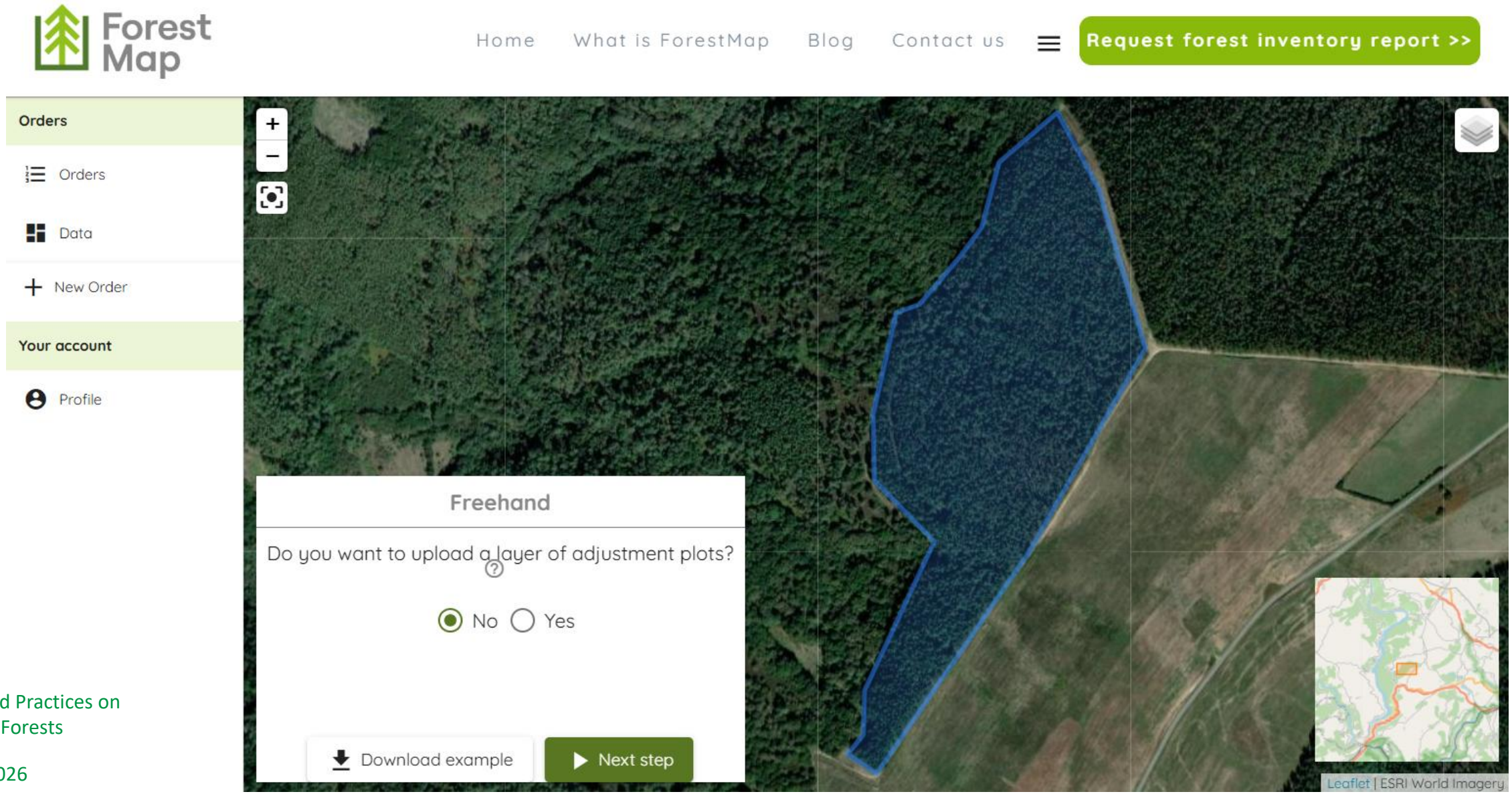
Platform usability



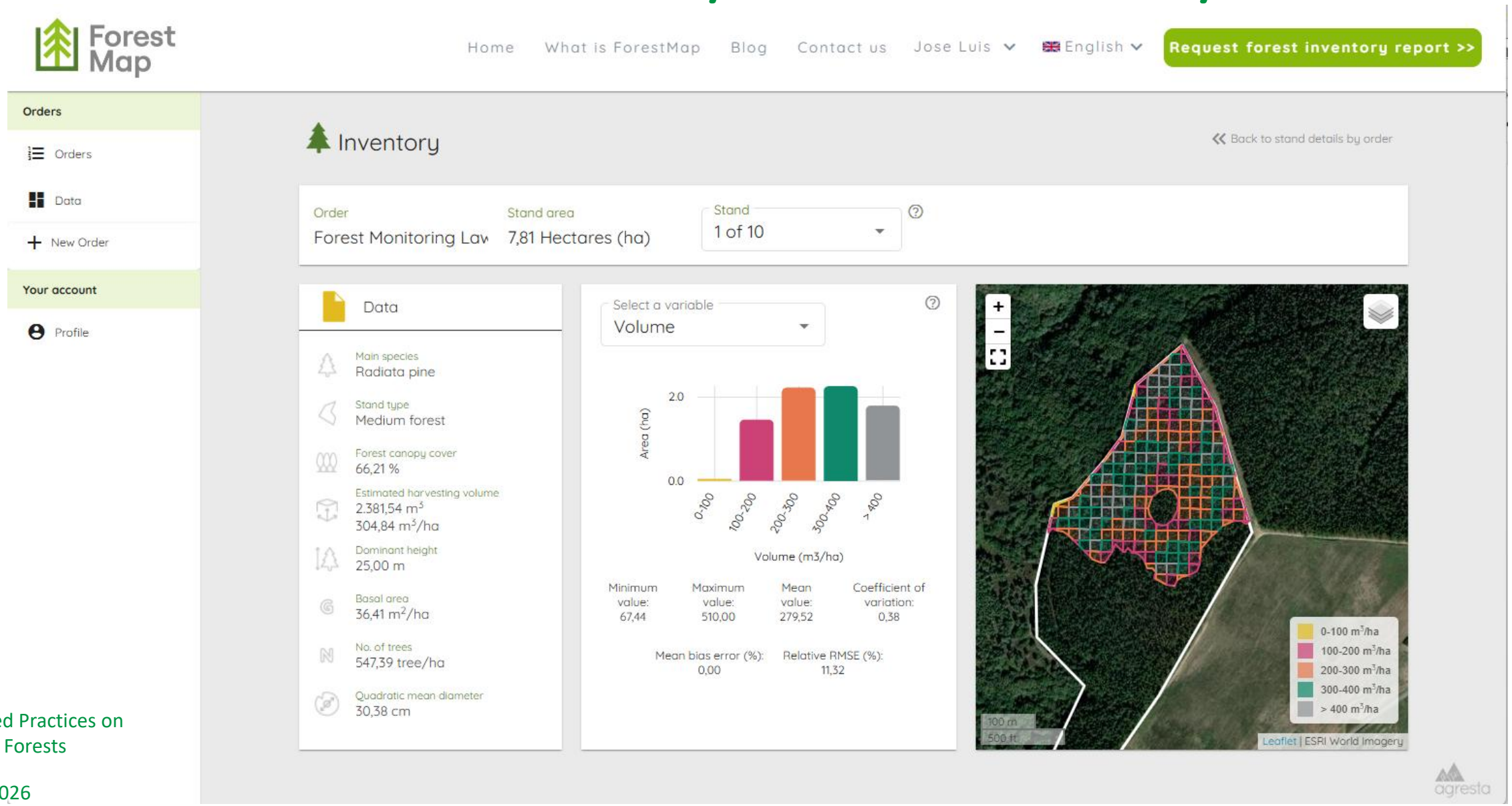
Platform usability: Pilot area



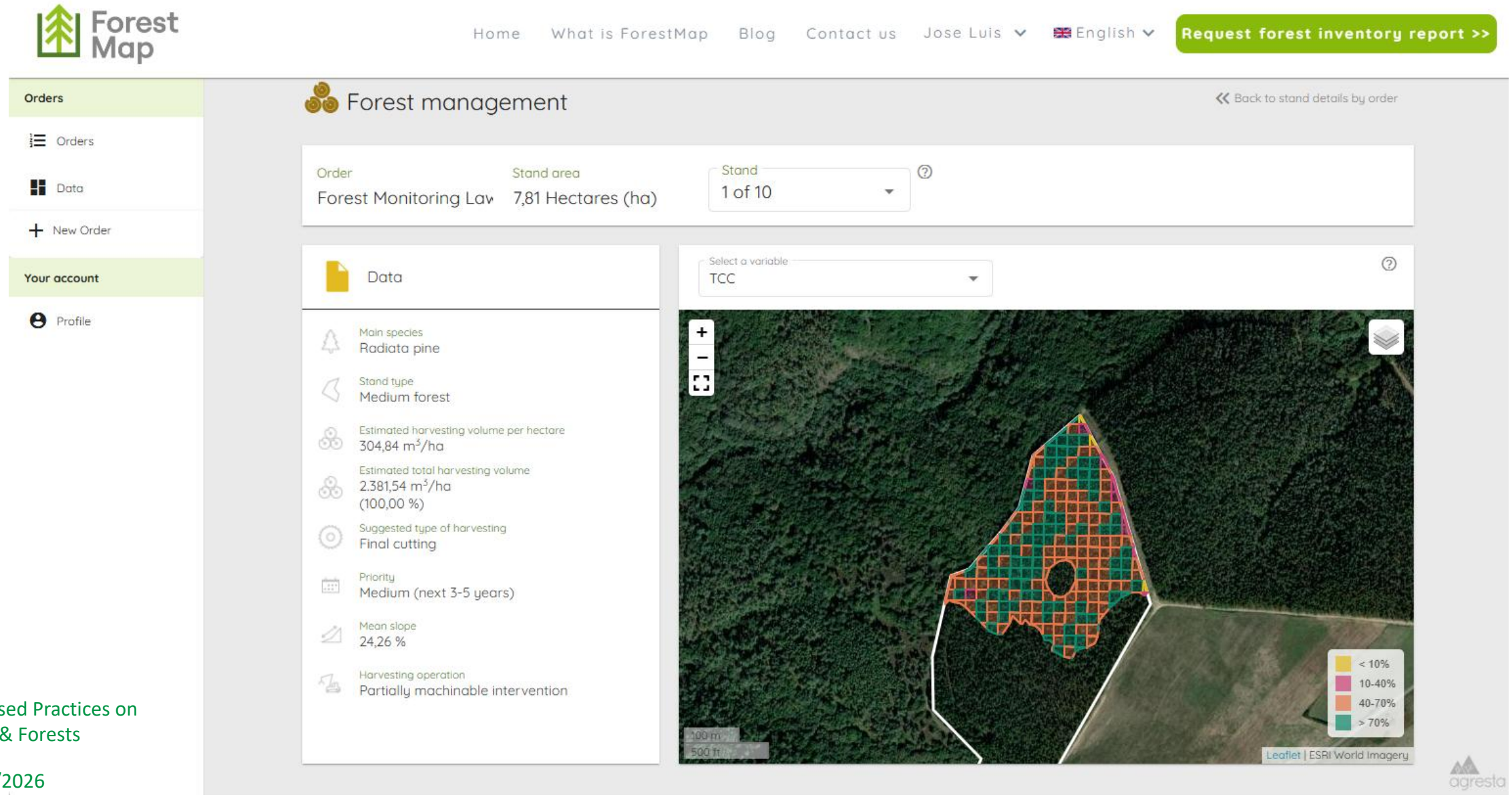
Platform usability: parcel



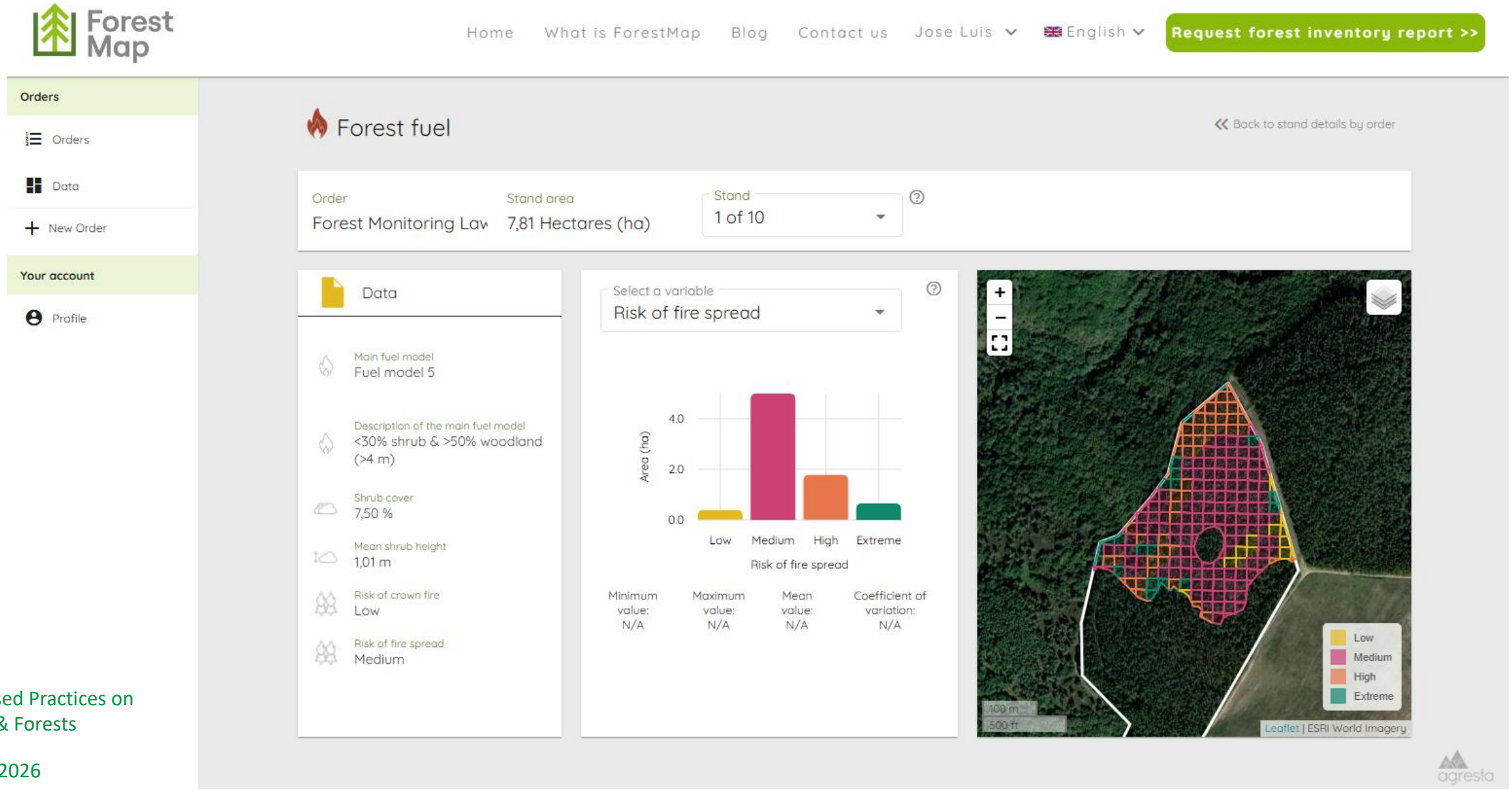
Platform usability: Forest Inventory



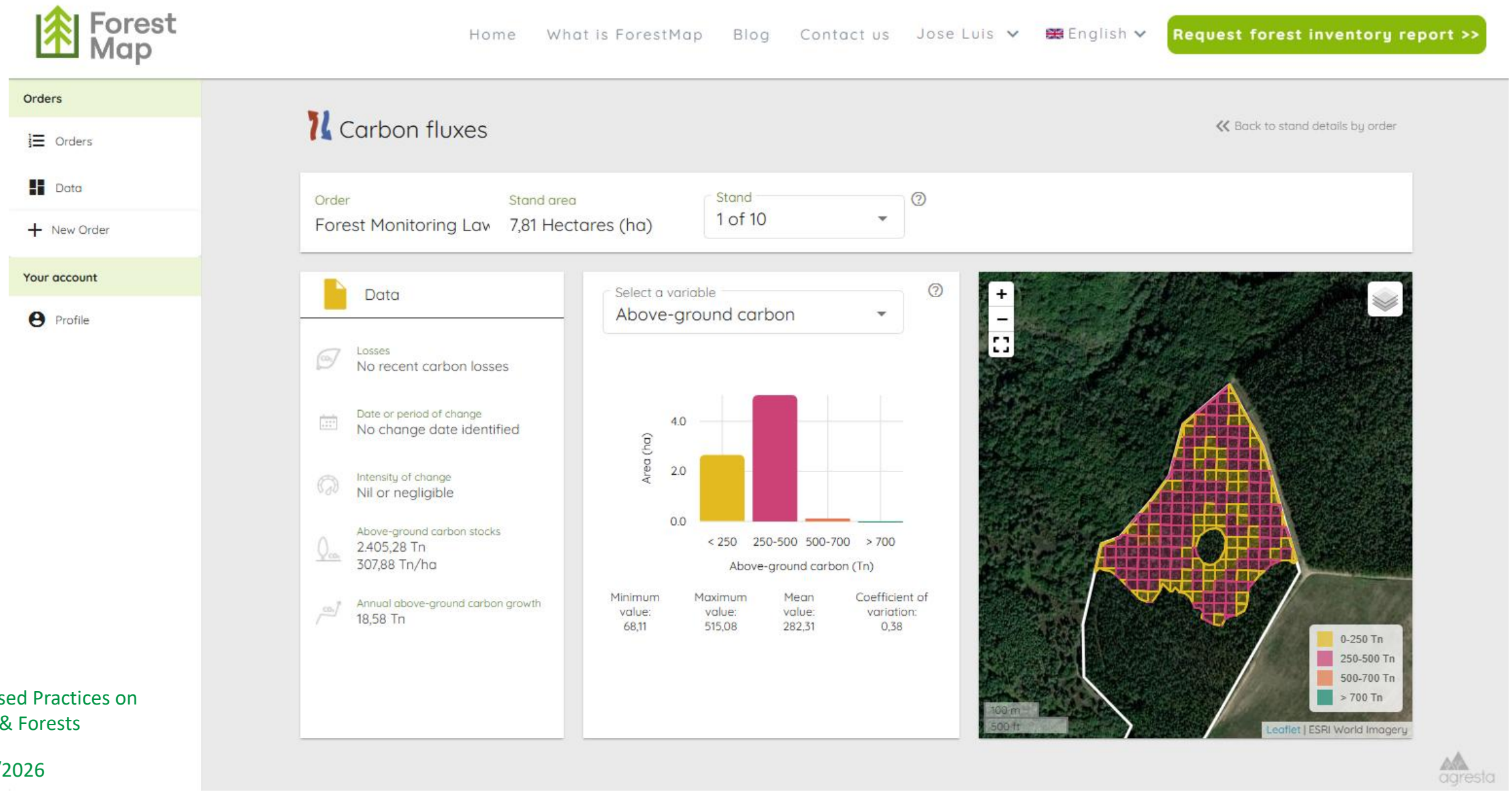
Platform usability: Forest Management



Platform usability: Forest Fuels



Platform usability: Carbon Fluxes



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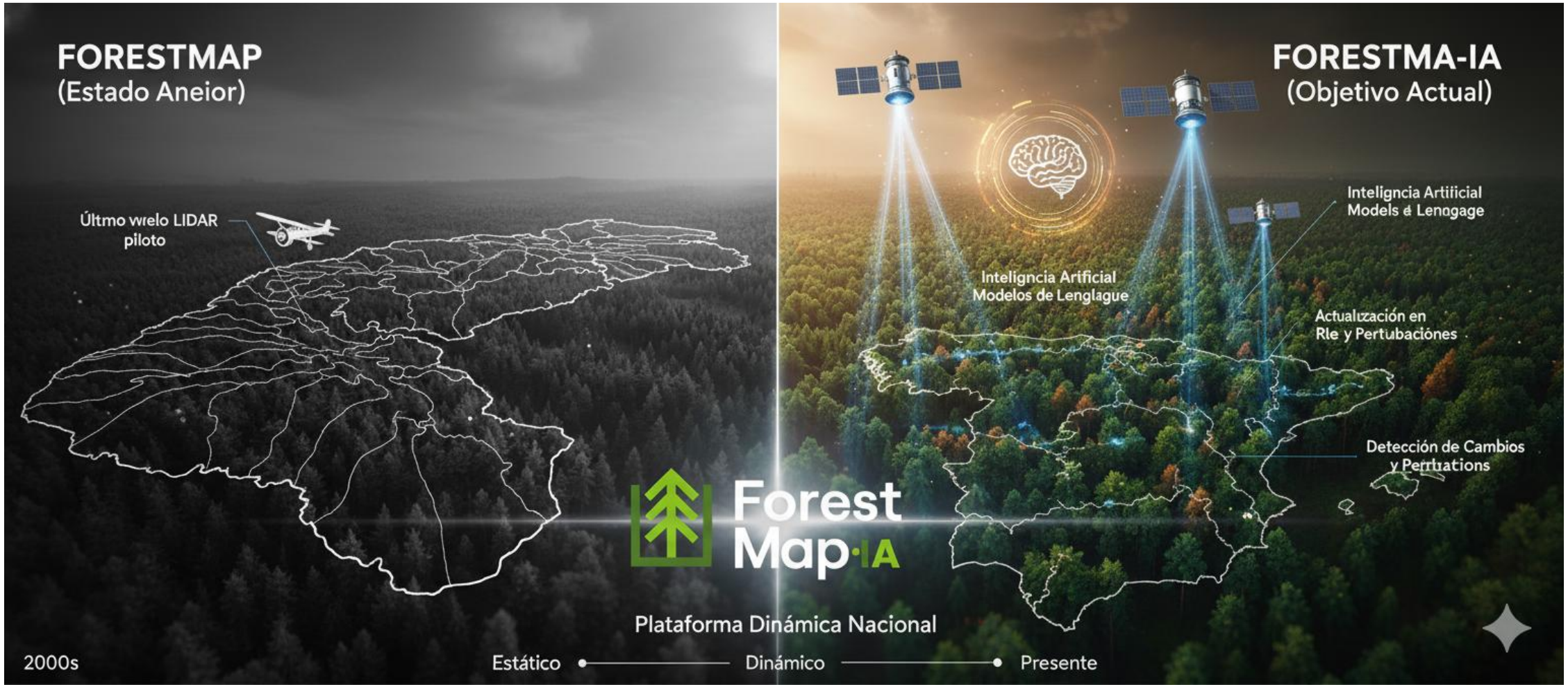
2023 Forest Map → Forest Map·IA 2025



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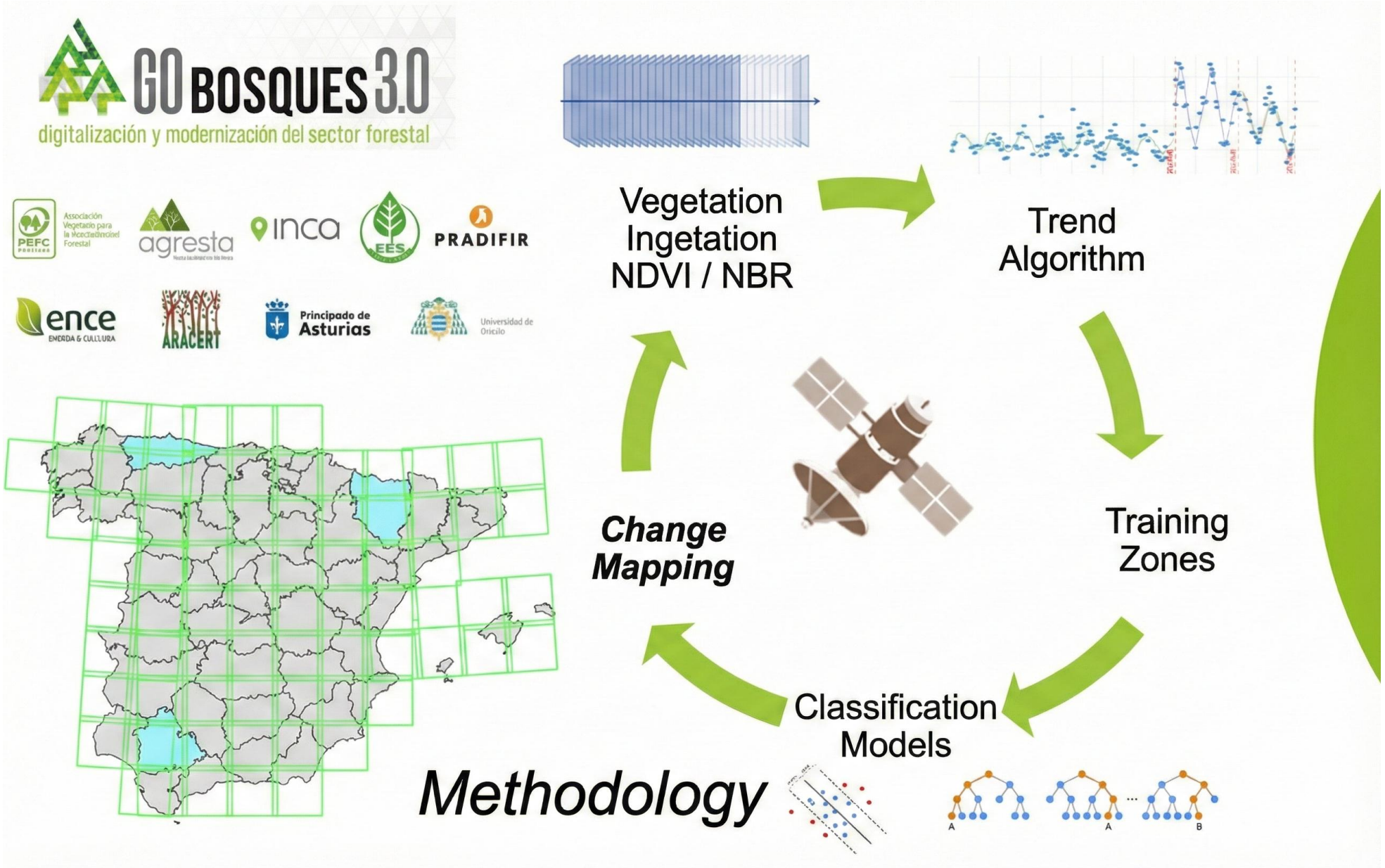
Plan de Recuperación, Transformación y Resiliencia

Full national coverage



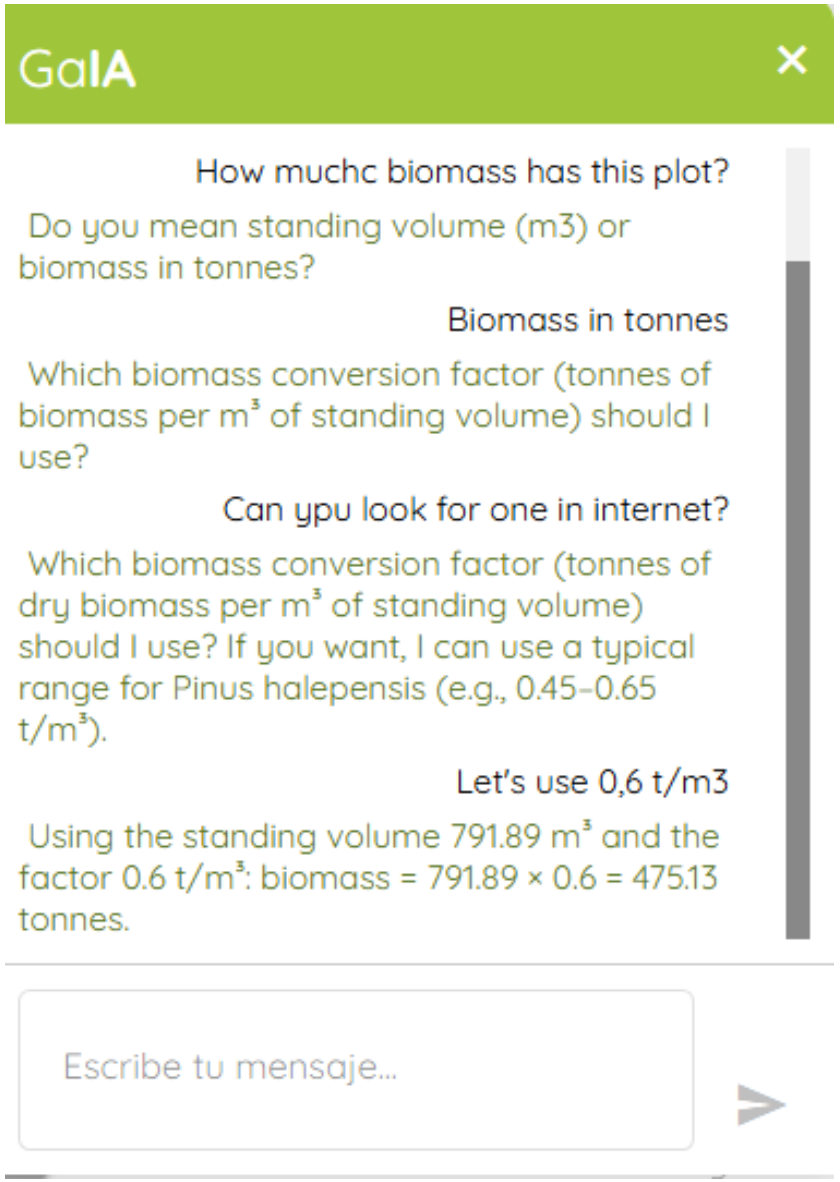
Workflow for Dynamic Inventory

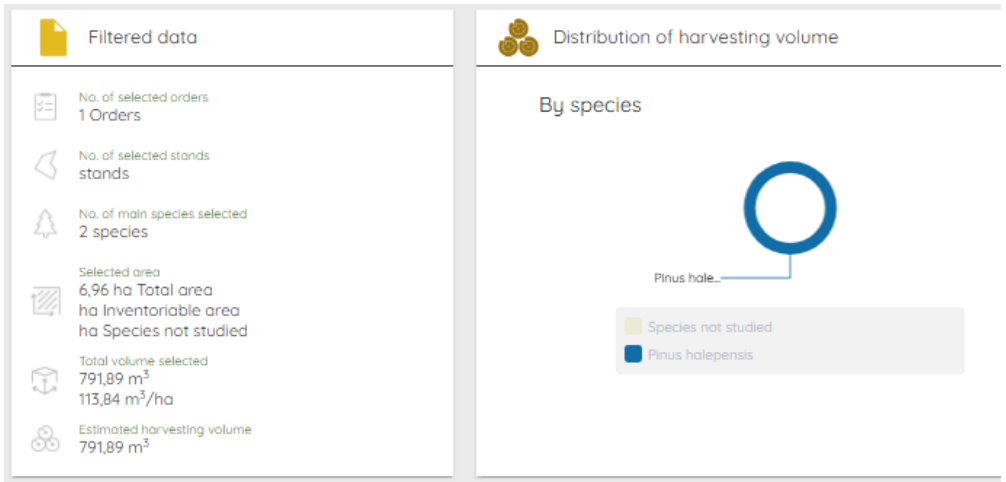
Semestral Update Change Detection



GaIA. Intelligence Language Models

FORESTMAP-AI IMPROVES USABILITY WITH ARTIFICIAL INTELLIGENCE LANGUAGE MODELS







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06/02/2026

Thank you!

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