Forest Carbon *Monitoring*

We contribute to climate change mitigation
by developing a platform for forest carbon monitoring
with high accuracy, reach and frequency.

Funded by esa

Earth Observation monitoring

Comprehensive: Spatially detailed data from large forest areas — also regions without proper forest inventory data.

Transparent: Openly available satellite datasets used together with published monitoring methods.

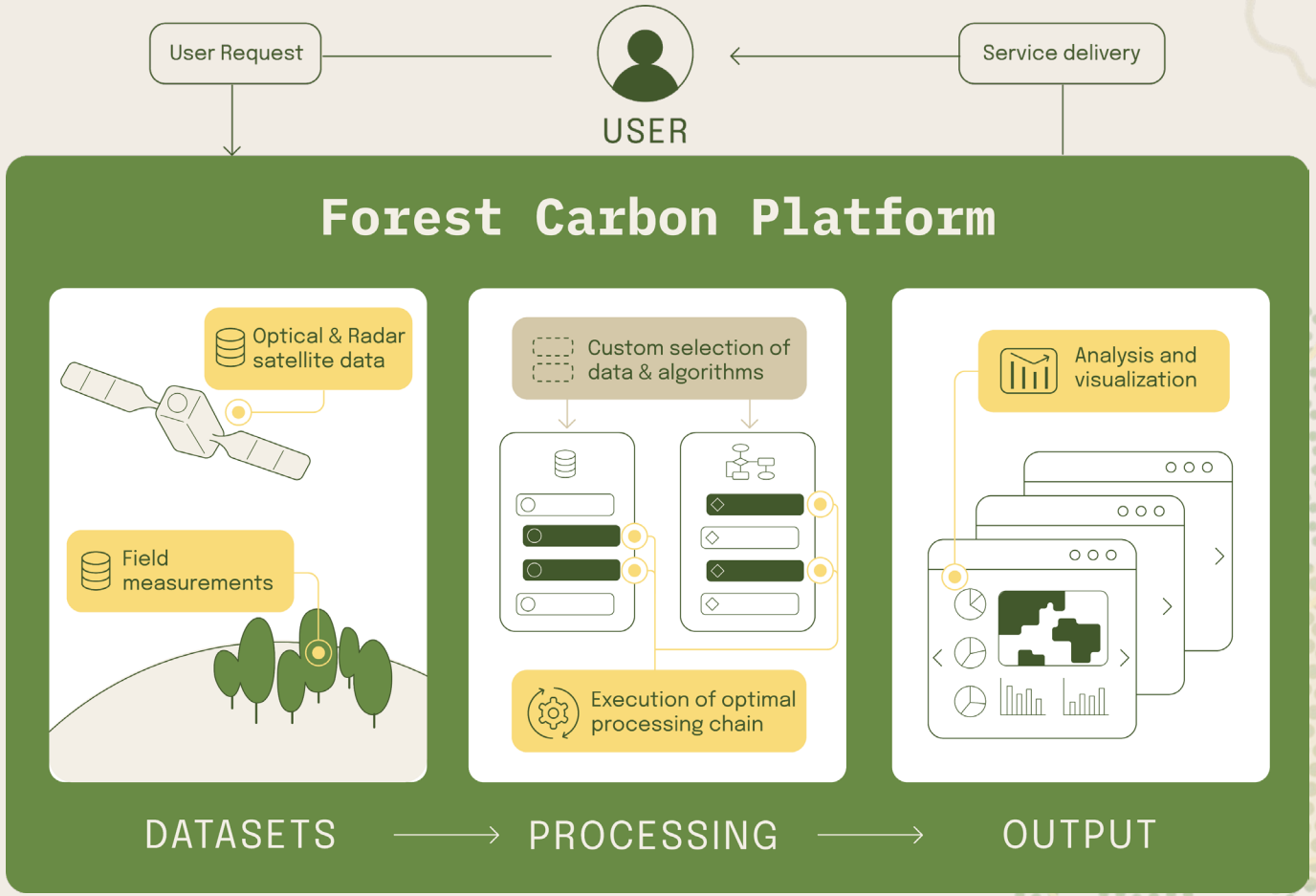
Detailed: Enabling high resolution mapping and monitoring of global forests.

Cost-effective: Reaching global scale with frequent data acquisition and long-term standardized systems at low cost.

Forest Carbon
Monitoring

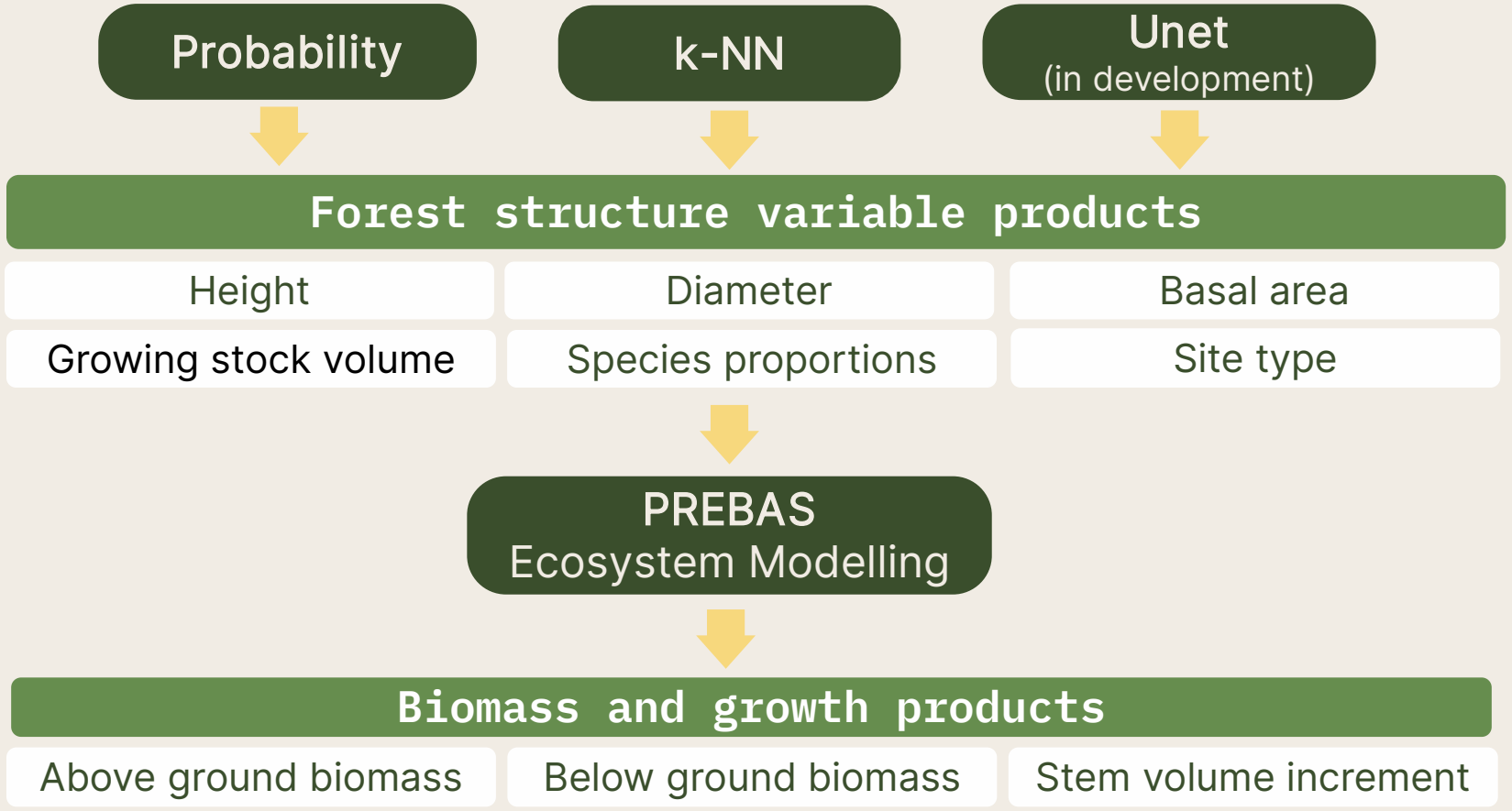
The FCM Platform

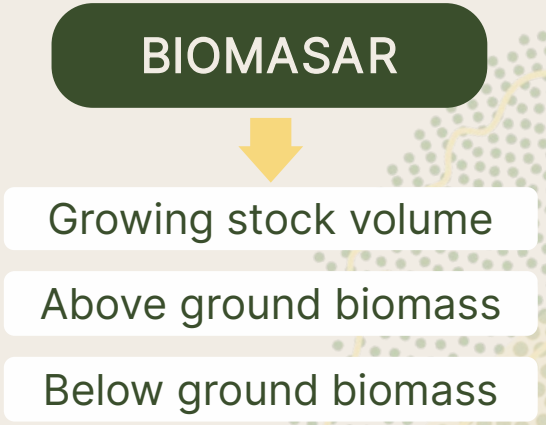
- Integration of field and Earth Observation (EO) data.
- Process-based forest ecosystem modelling.
- Customized to user's needs.
- For forest owners and managers, regional and national administrators, carbon traders, international organizations, and the broader society.



Forest Carbon Monitoring

Prediction methods

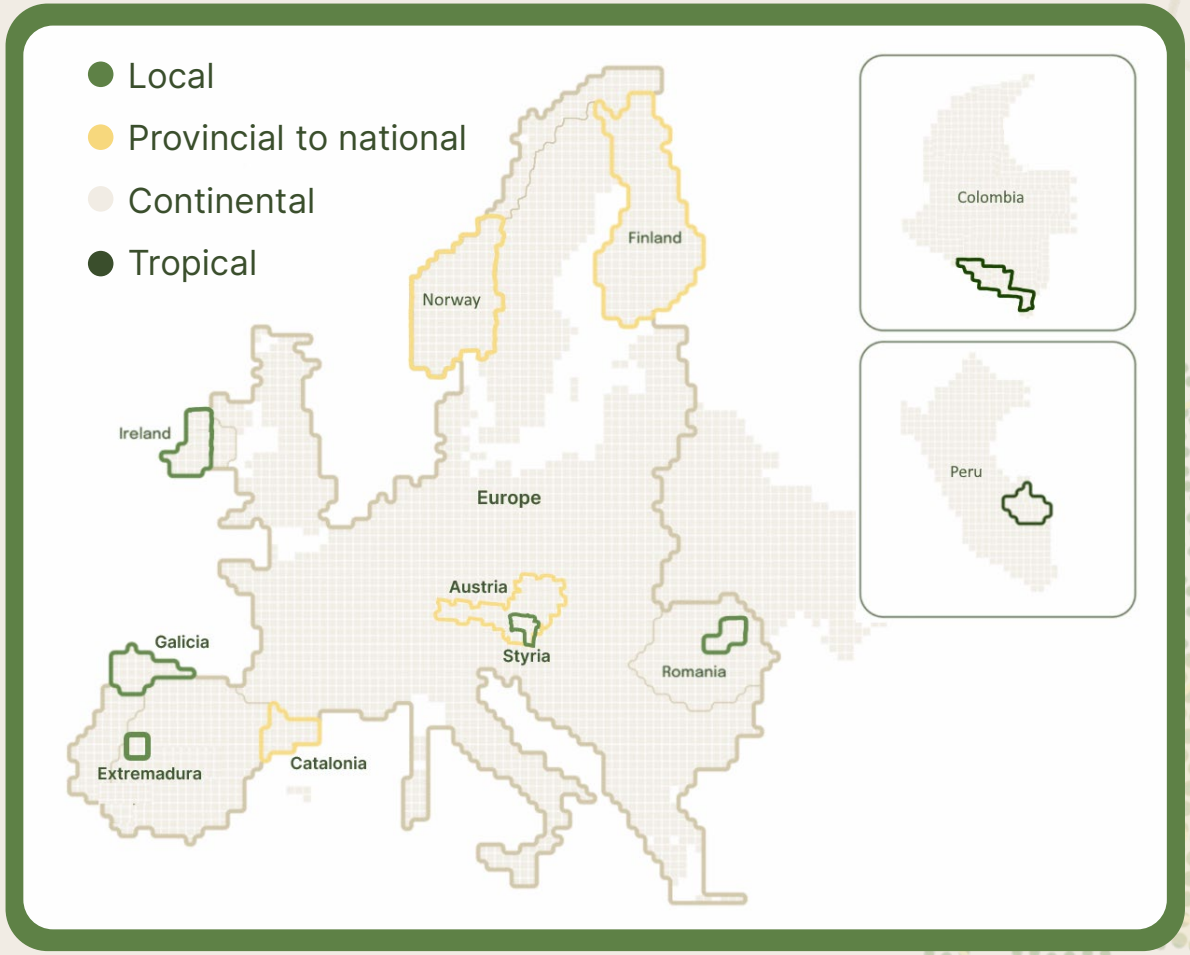




Forest Carbon Monitoring

Wide demonstration scheme

- **10 use case demonstration areas**
- **Primary EO data:**
  Sentinel-1
  Sentinel-2
- **Coverage:**
  From private company forests to European wide mapping
- **Outputs:**
  Over 90 products delivered to users



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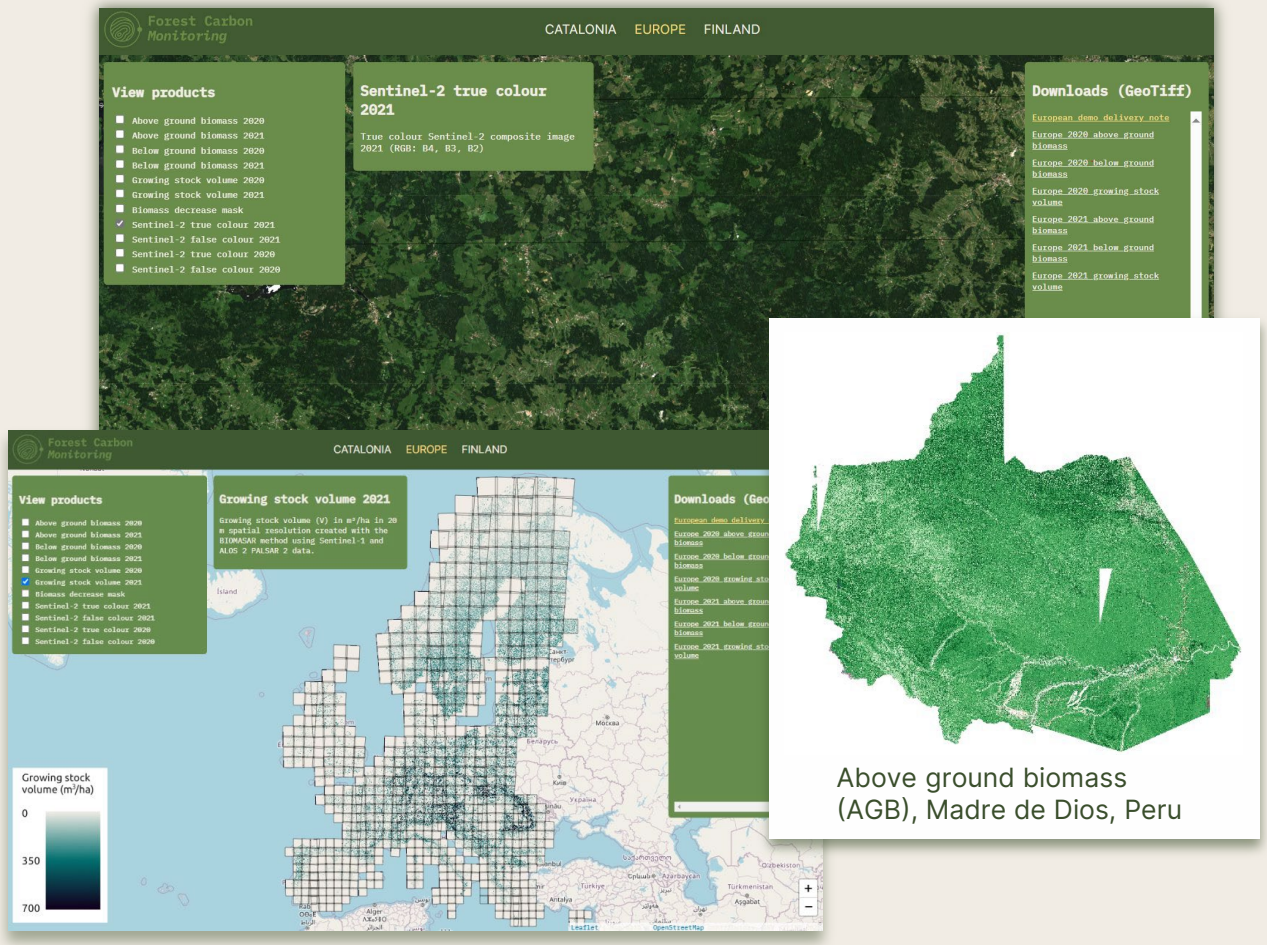
Product portal



Above ground biomass (AGB), Madre de Dios, Peru

- 70% of users found the products potentially useful.
- Mostly useful for:
  - Management planning
  - Disturbance monitoring
  - Voluntary carbon market reporting

View and download the products:
portal.forestcarbonplatform.org

For Austria products,
visit to the GTIF portal:
gtif.esa.int

Forest Carbon Monitoring

Partners

VTT

EFI

GFZ Helmholtz-Zentrum Potsdam

YUCA TROTE

GAMMA REMOTE SENSING

Terramonitor

NIBIO
NORWEGIAN INSTITUTE OF BIOECONOMY RESEARCH

south pole

Contact

Visit our website and go to the **product portal** for demonstrations on regional, national and European level.

Thank you very much and stay tuned!

forestcarbonplatform.org

Forest Carbon Monitoring

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