

Evolution of Next-generation Copernicus High Resolution Layers on Forest and Agriculture: The ECoLaSS Project

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GAF AG Munich Germany



Horizon 2020

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ECoLaSS – Evolution of Copernicus Land Services based on Sentinel data

Copernicus BACKGROUND

Copernicus Land Monitoring Service: provides EO-based spatial information related to bio-geophysical variables, Land Cover/Land Use characteristics & their changes over time. The related services are reflected in a Global, pan-European (Continental), Local and an In-situ Component. The Service is increasingly based on **Sentinel Data** from ESA.

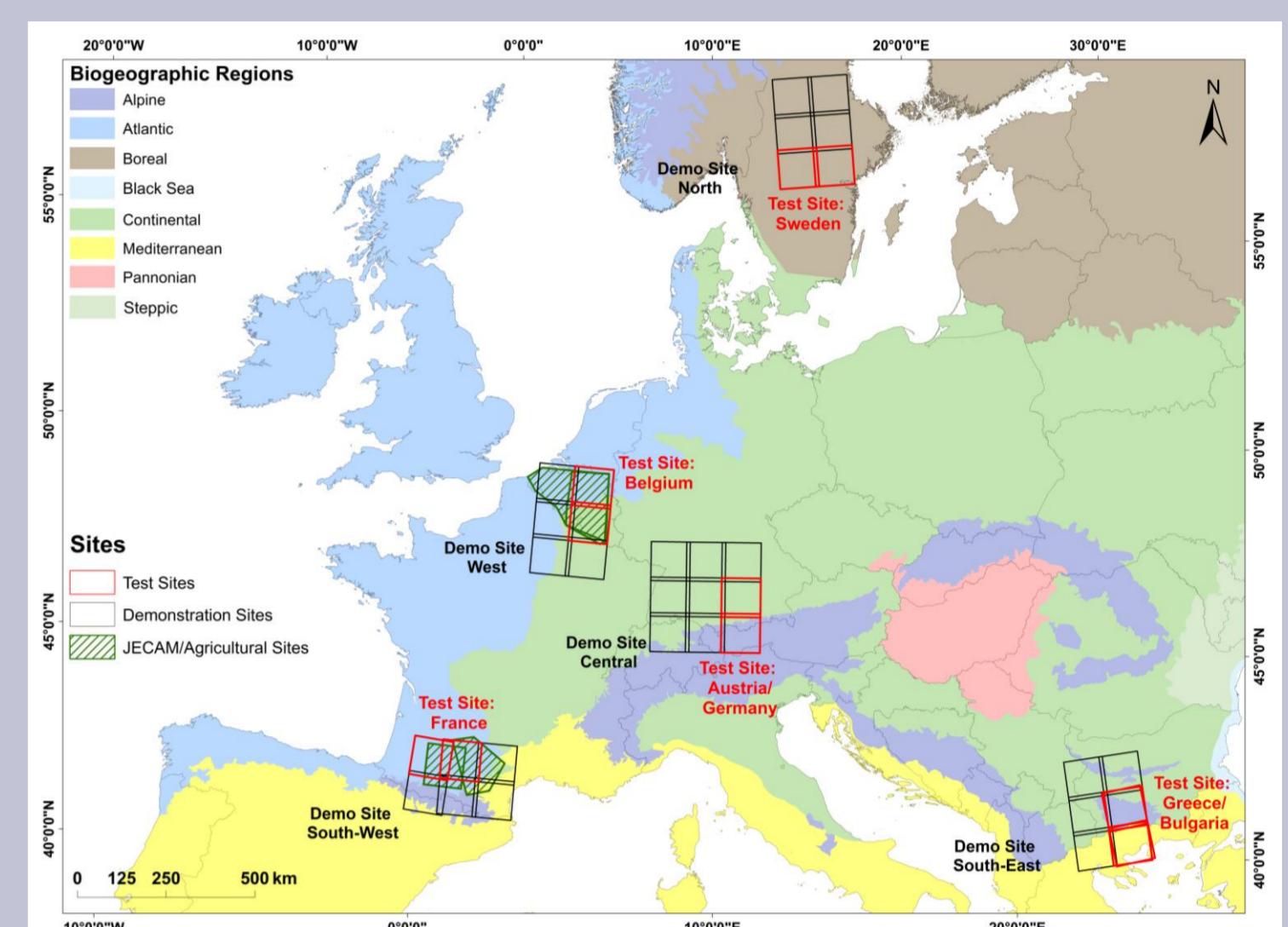
ECoLaSS: a Horizon 2020 project

Duration: Jan 2017– Dec 2019 (3 years)

GAF AG and Partners: SIRS, Joanneum Research, UCL, DLR

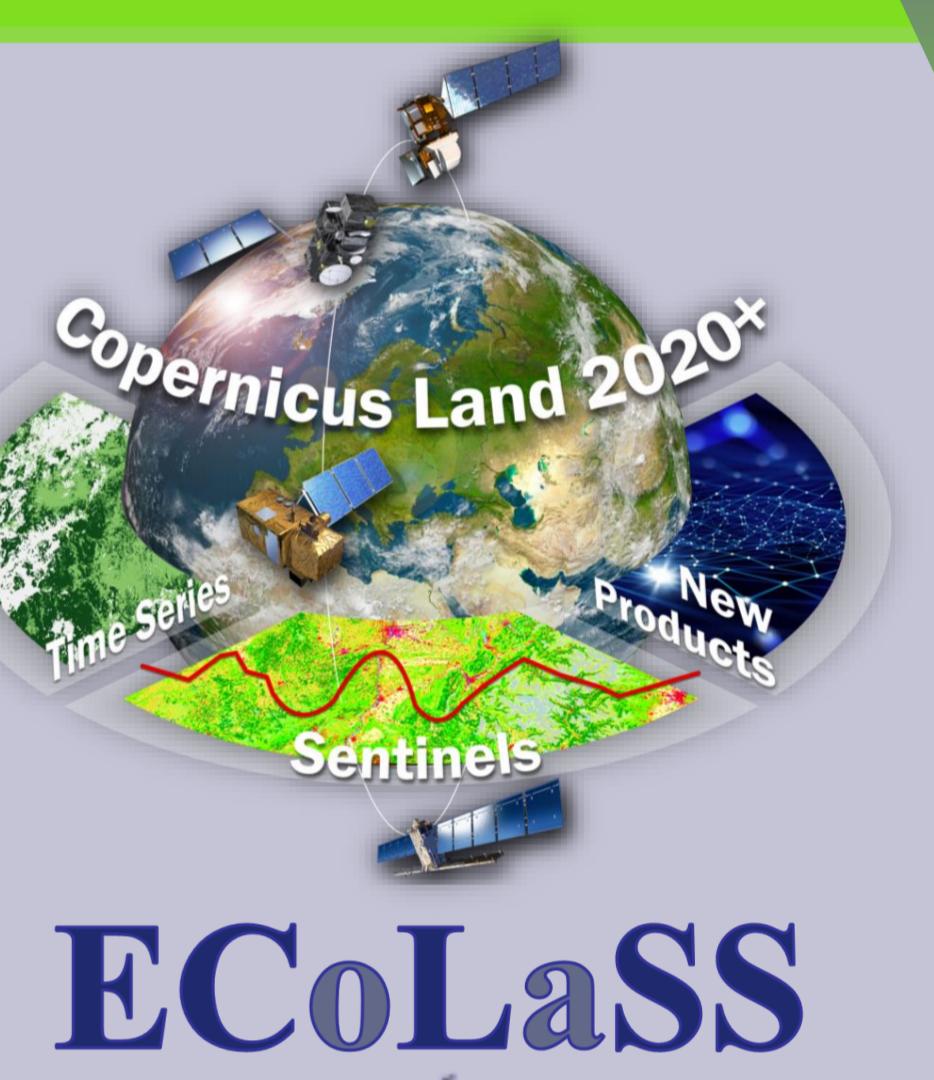
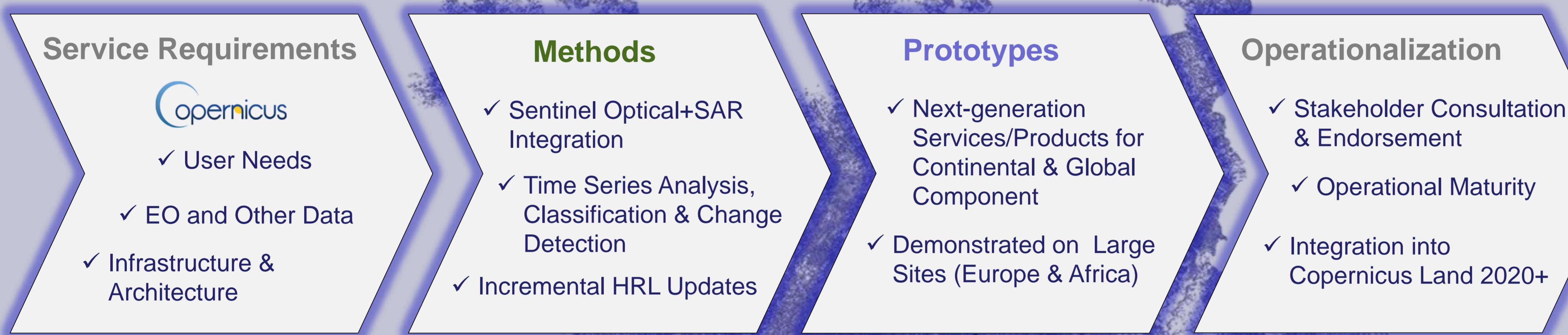
KEY OBJECTIVES: DEVELOPMENT OF...

- **Innovative Methods** based on high volume data processing of Sentinel (Optical and SAR) time series
- **Prototypes** for improved and novel next-generation operational Copernicus Land Services, which are demonstrated in large prototype sites of biogeographical diversity.
- an **Operationalization Framework** including benchmarking of prototypes in view of their innovation potential and technical excellence for operational service implementation into Copernicus Land Services from 2020 onwards.



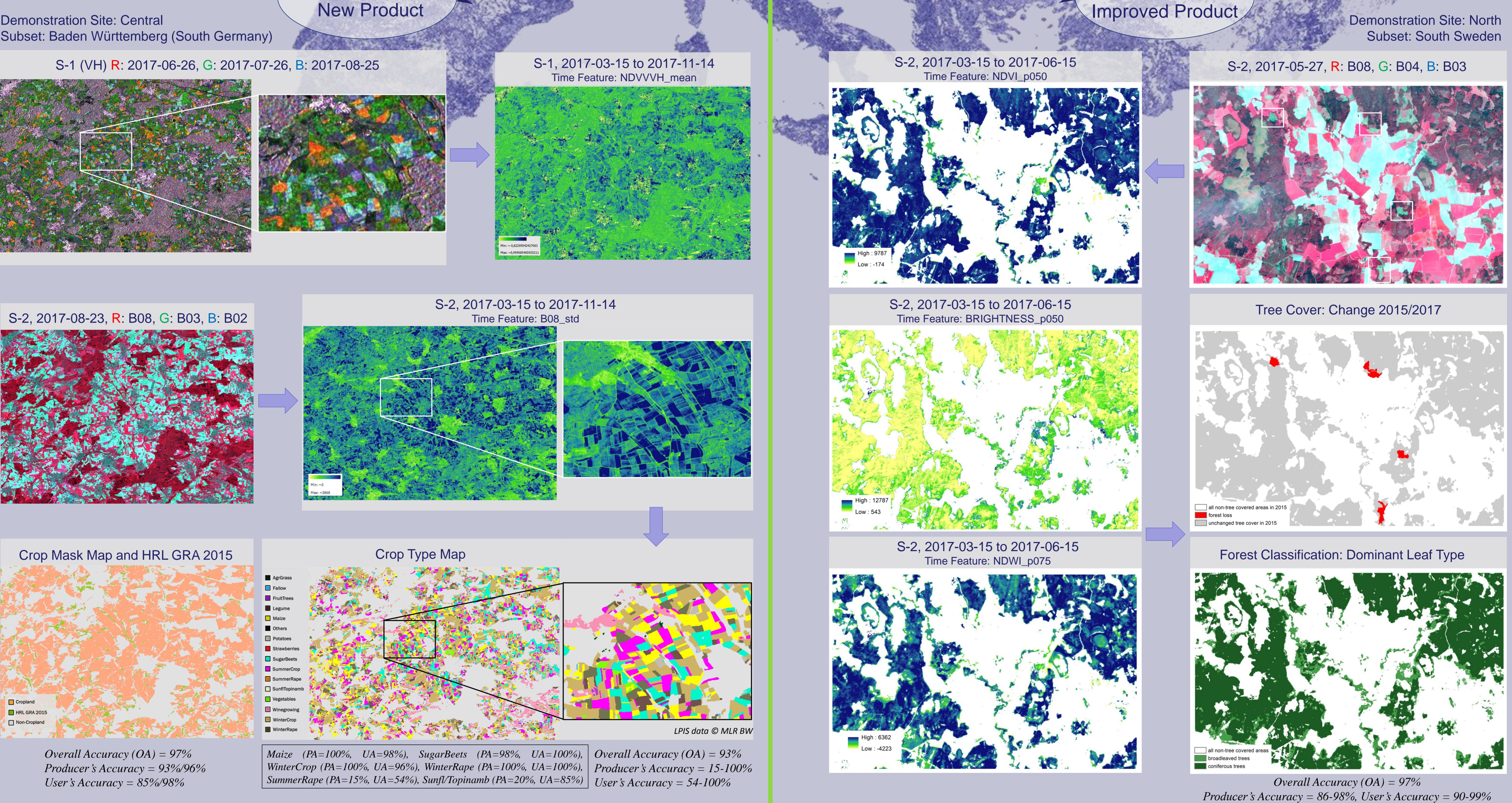
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Prototype & Test-sites: European & African sites, towards European/global Services

PROJECT CONCEPT



PROTOTYPES

High Resolution Layers (HRLs)



Produced using Copernicus Sentinel data [2017] © European Union, Copernicus Land Monitoring Service 2015, European Environment Agency (EEA).

Evolution of Copernicus Land Services based on Sentinel data (ECoLaSS): www.ecolass.eu

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