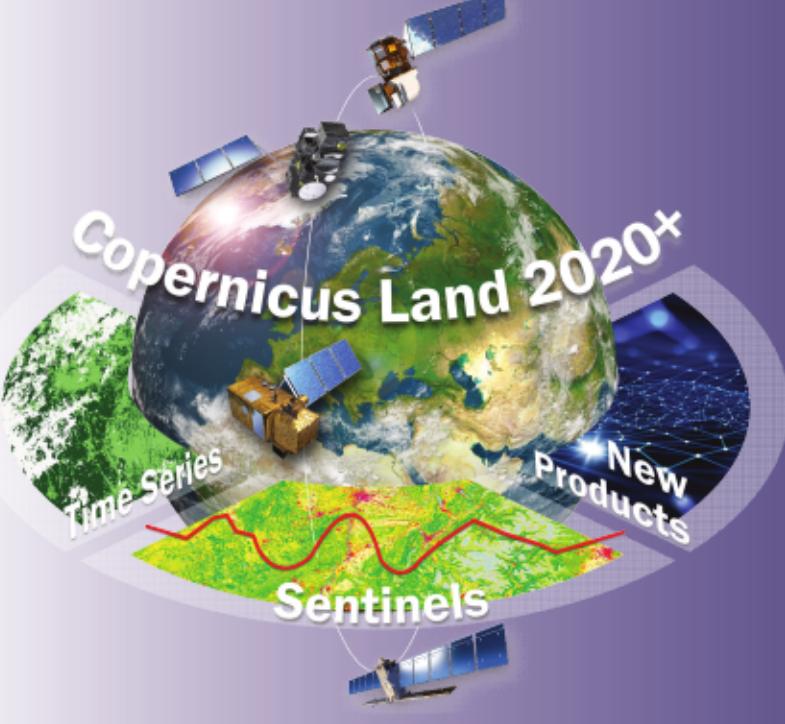


A Candidate for Next-generation Copernicus High Resolution Layers: Agriculture



Schwab K.¹, Eweys, O.², Kenner, C.³, Moser, L.¹, Wolter, J.², Villerot, S.³, Probeck, M.¹, Defourny, P.²

¹ GAF AG Munich Germany,

² Université Catholique de Louvain, Earth and Life Institute,

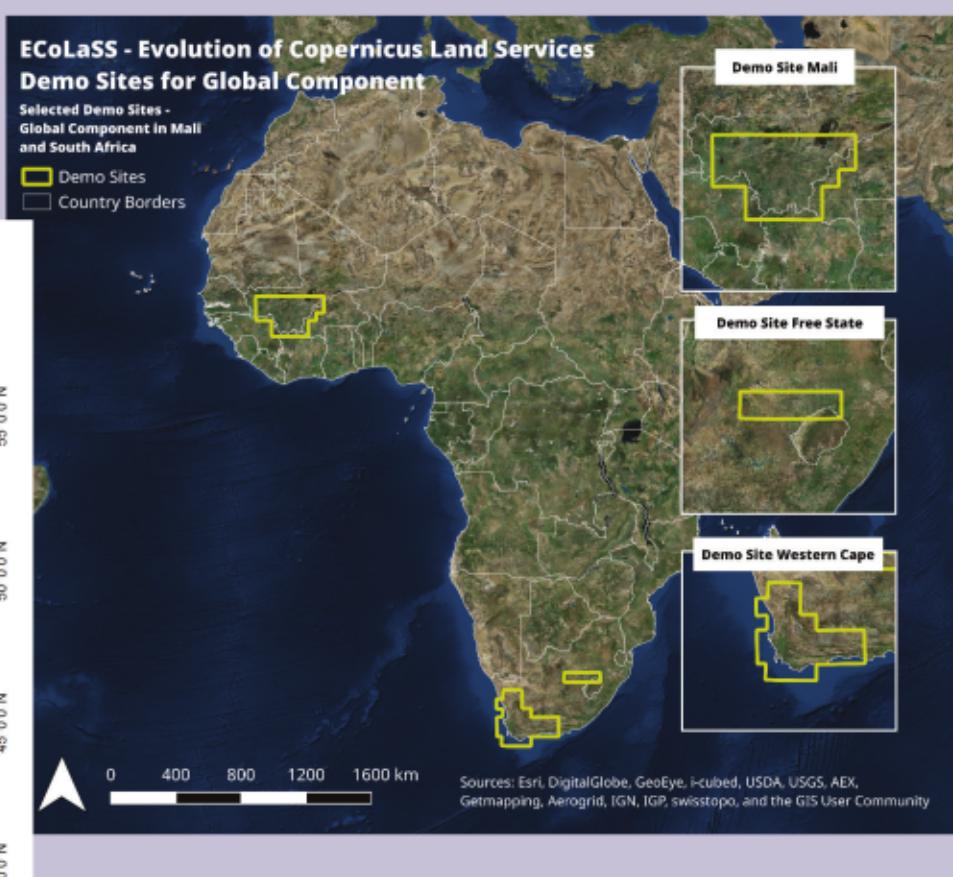
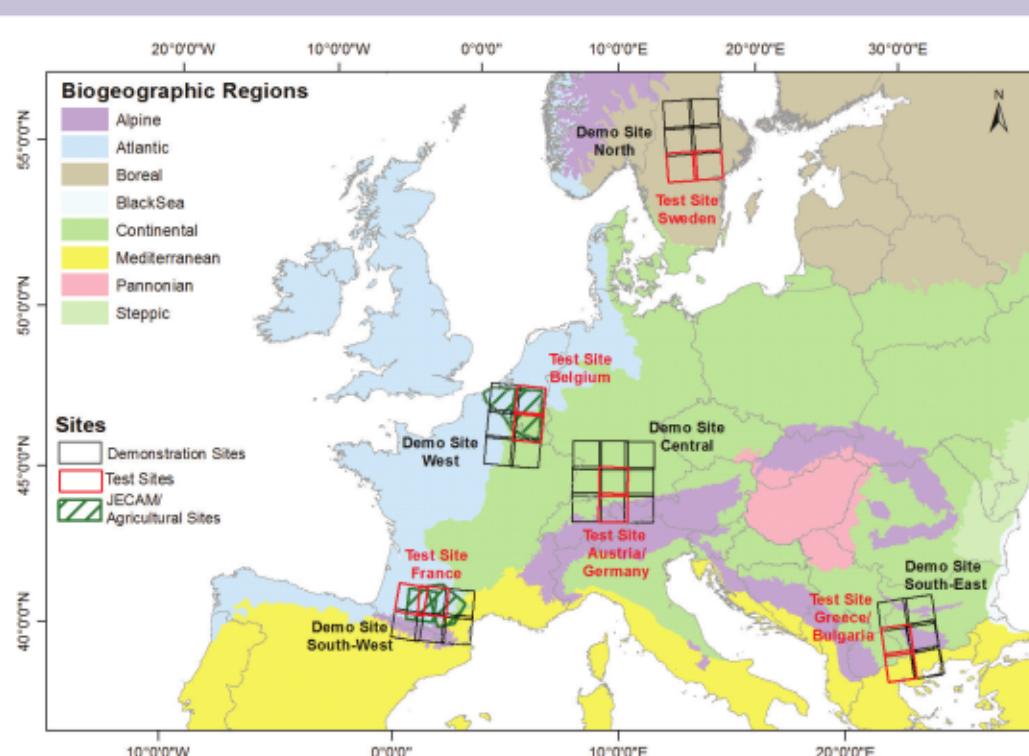
³ Systèmes d'Information à Référence Spatiale SAS, France



Horizon 2020
www.ecolass.eu
Copernicus

ECoLaSS – Evolution of Copernicus Land Services based on Sentinel data

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



ECoLaSS: a Horizon 2020 project

Duration: Jan 2017– Dec 2019 (3 years)

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

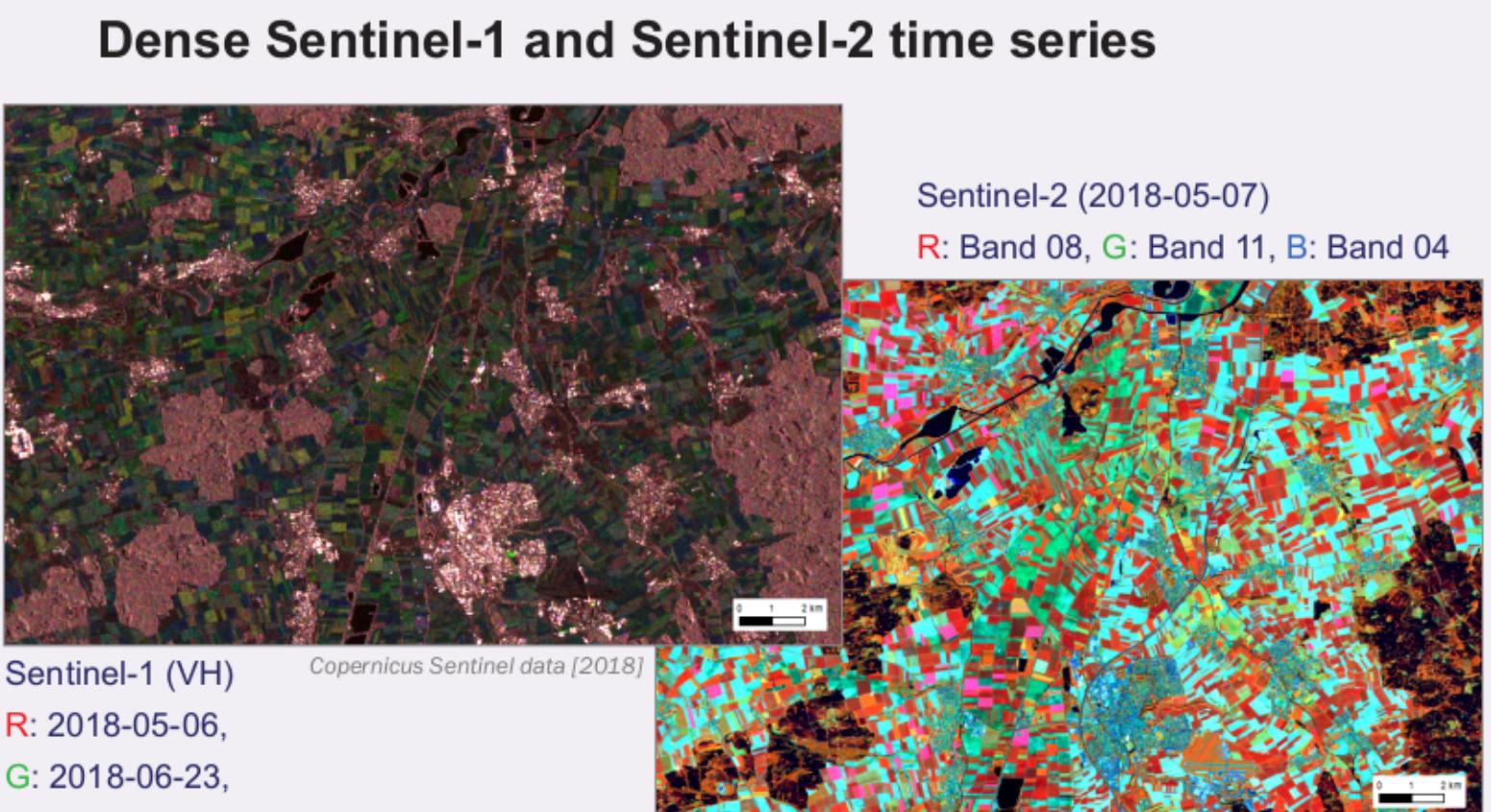
KEY OBJECTIVES: DEVELOPMENT OF...

- 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.

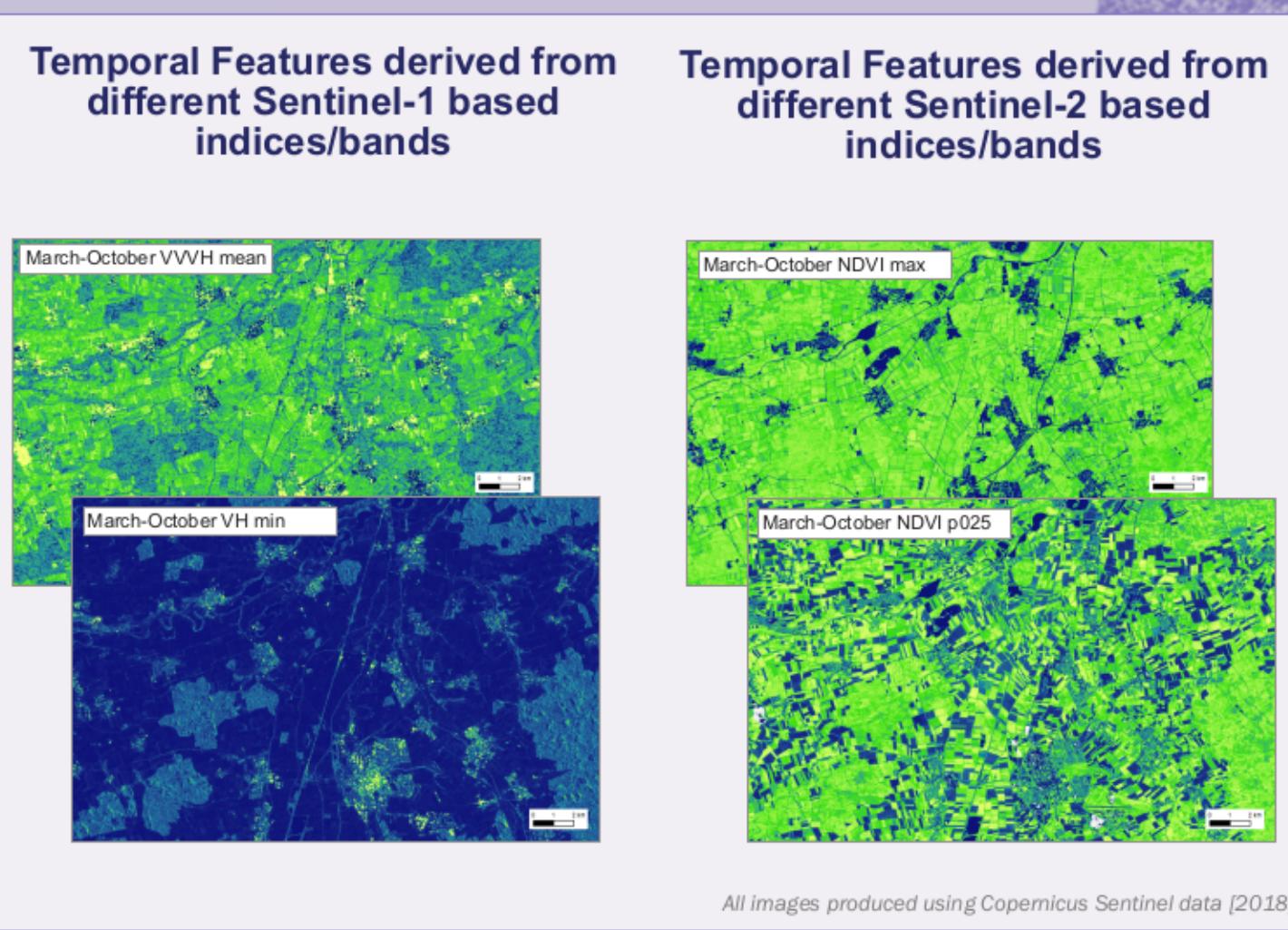
PROJECT CONCEPT



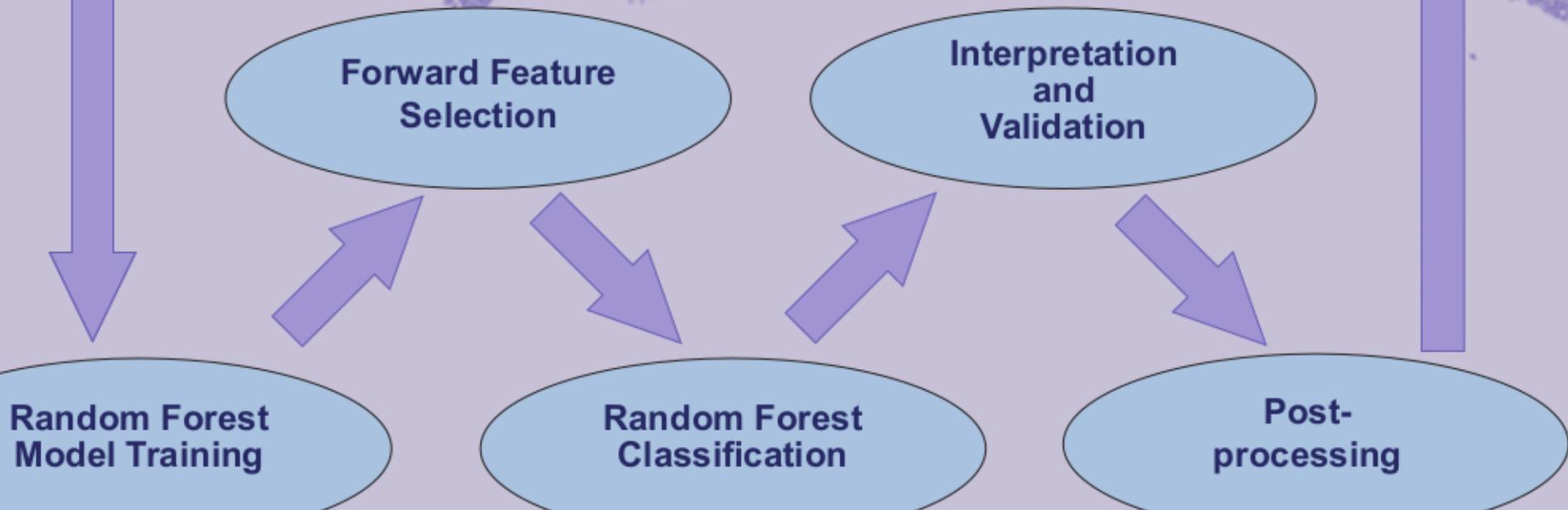
METHODS/WORKFLOW



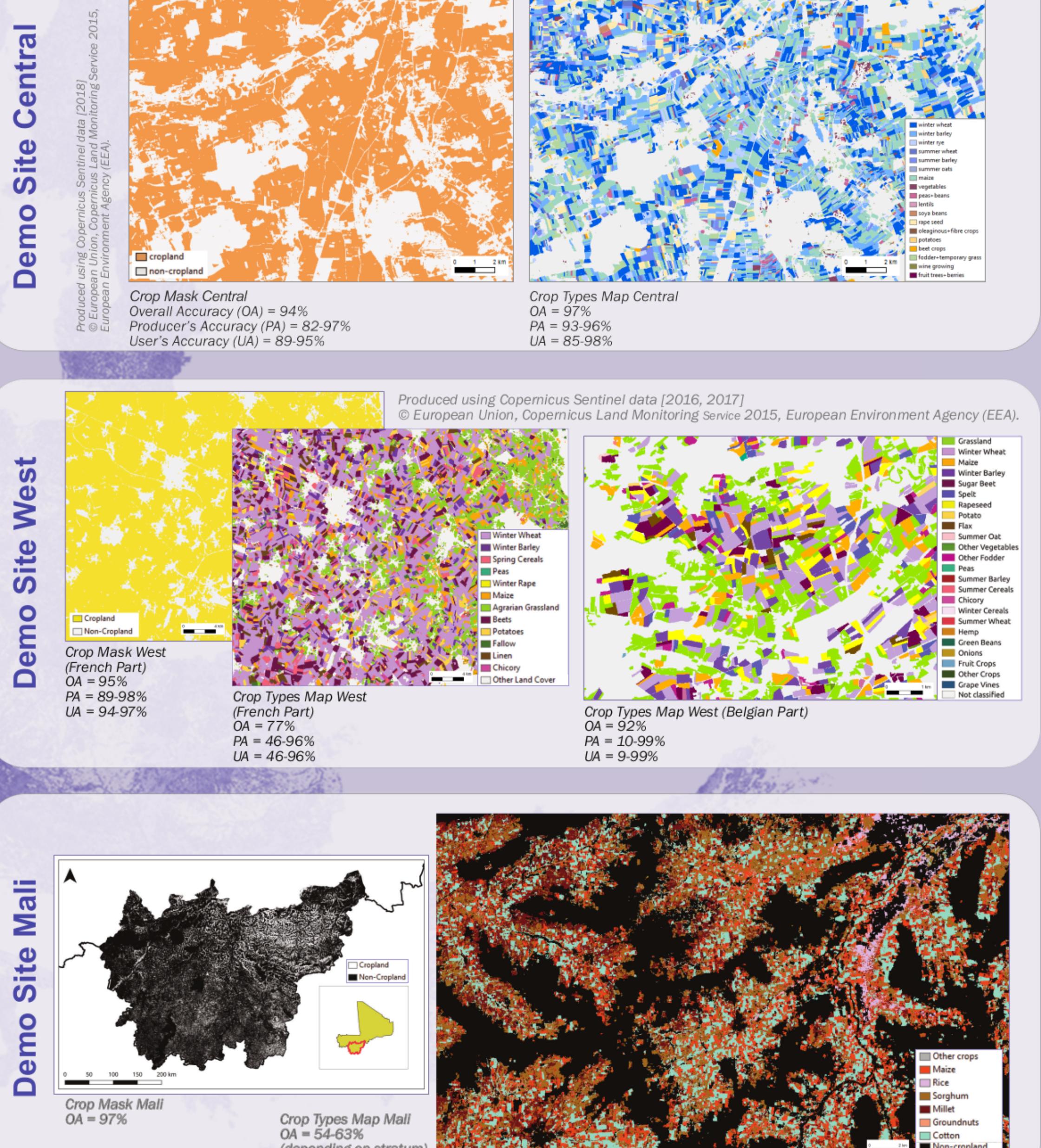
Extraction of Temporal Features



Interpretation and Validation



AGRICULTURE PROTOTYPES (NEW PRODUCTS)



OUTLOOK

- Comparison of different time periods for classification
- Crop Mask for 2017 and 2018
- Crop Types Map for 2017 and 2018 with 15-20 pan-European classes

