Machine Learning API for Earth Observation Data Cubes



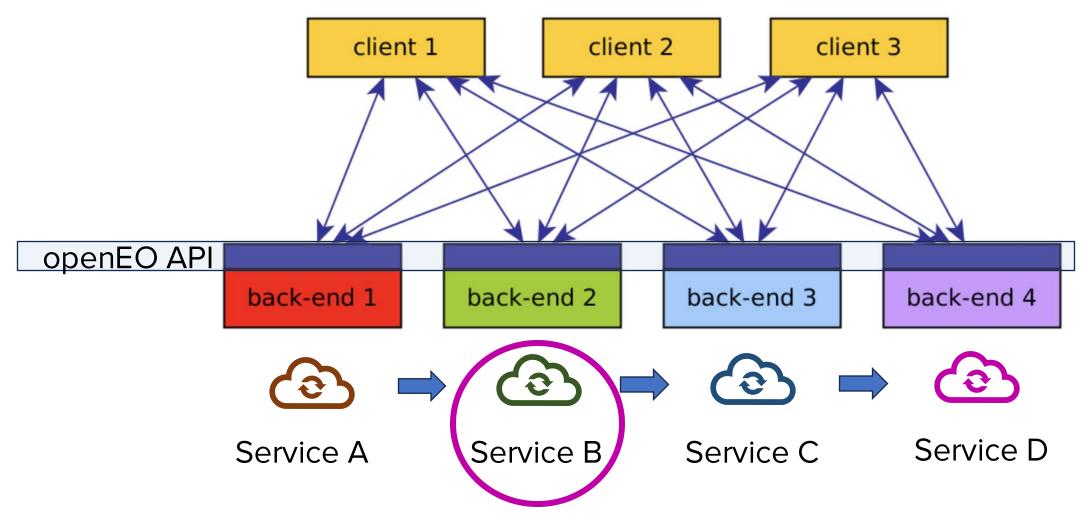




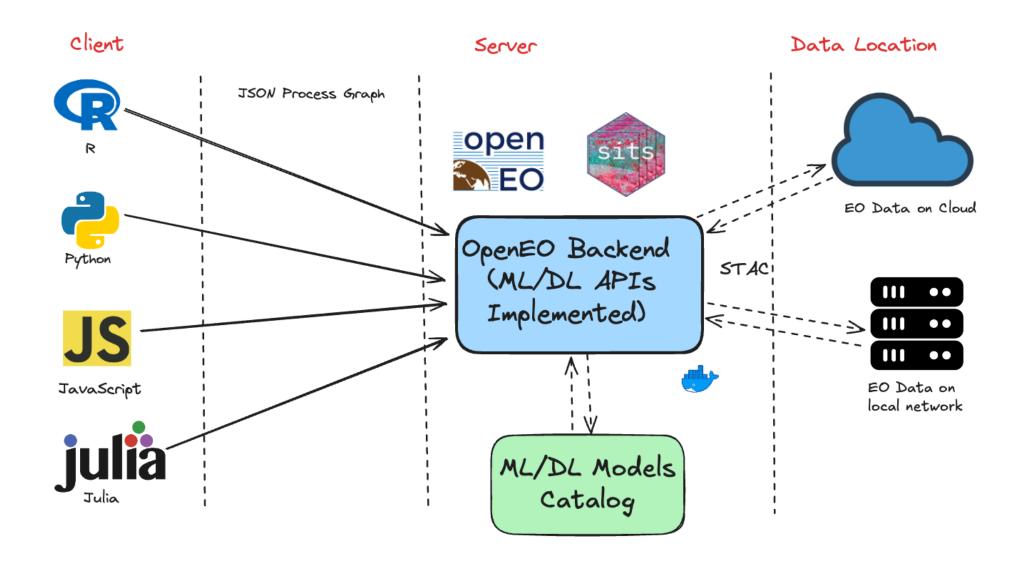
Brian Pondi - University of Münster Rolf Simoes - OpenGeoHub Foundation



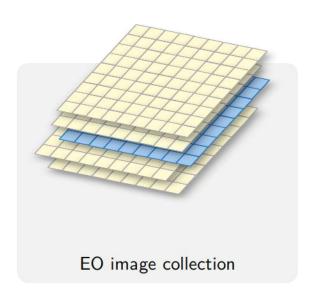
openEO

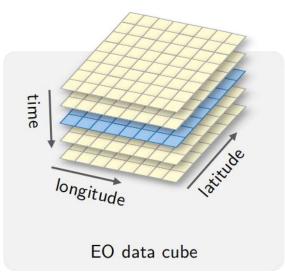


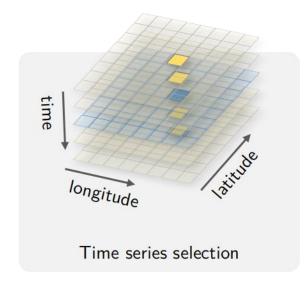
ML Service powered by SITS

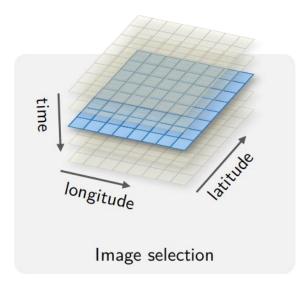


Data cubes





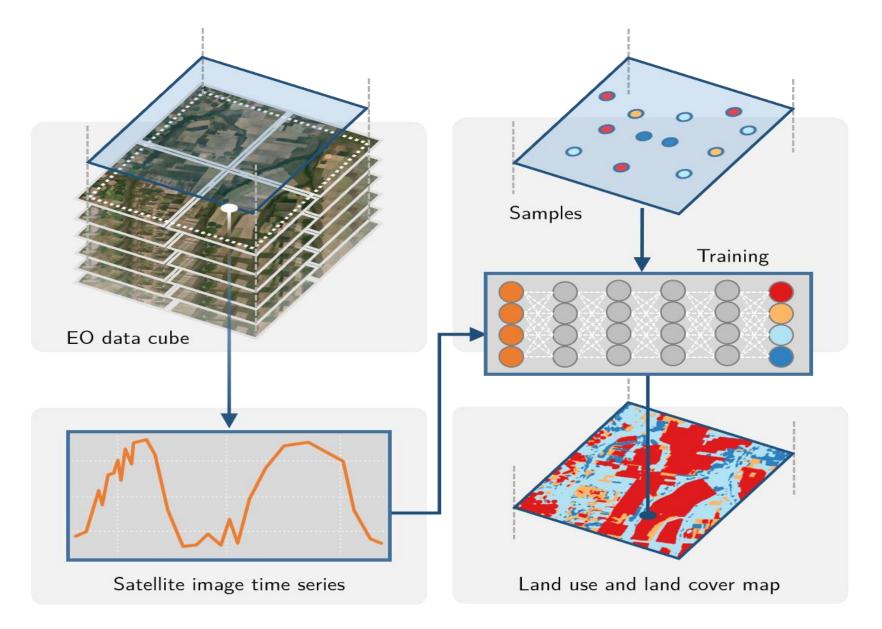


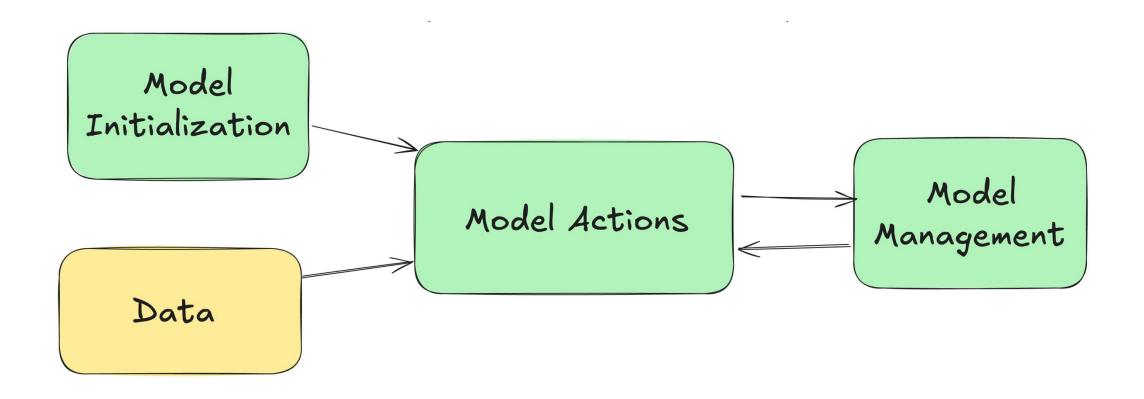




SITS: Big EO data analytics



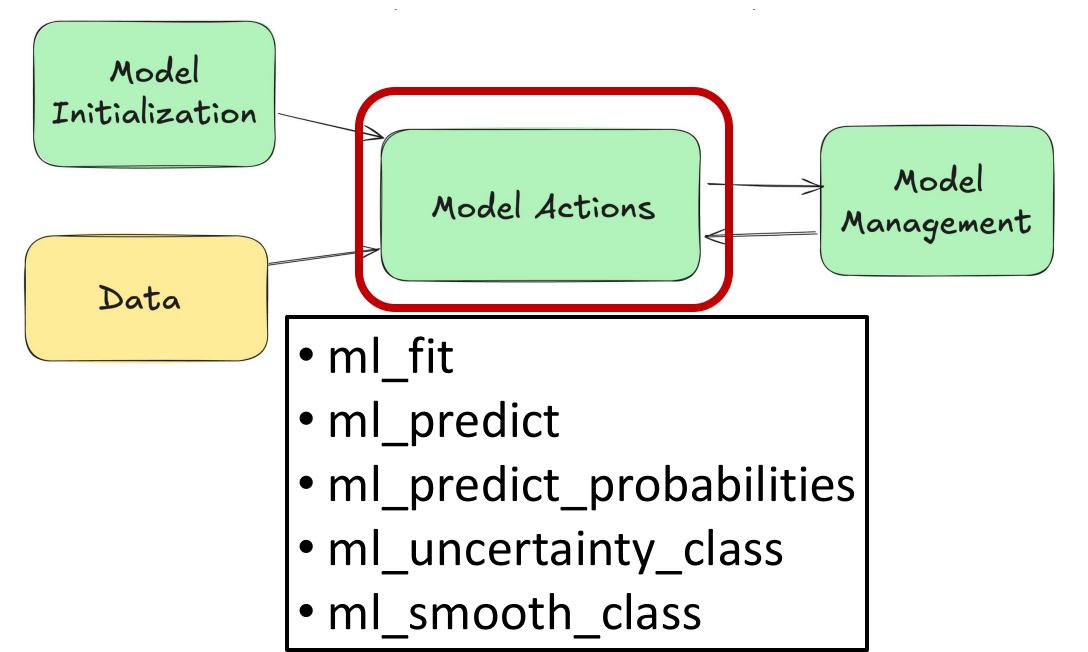


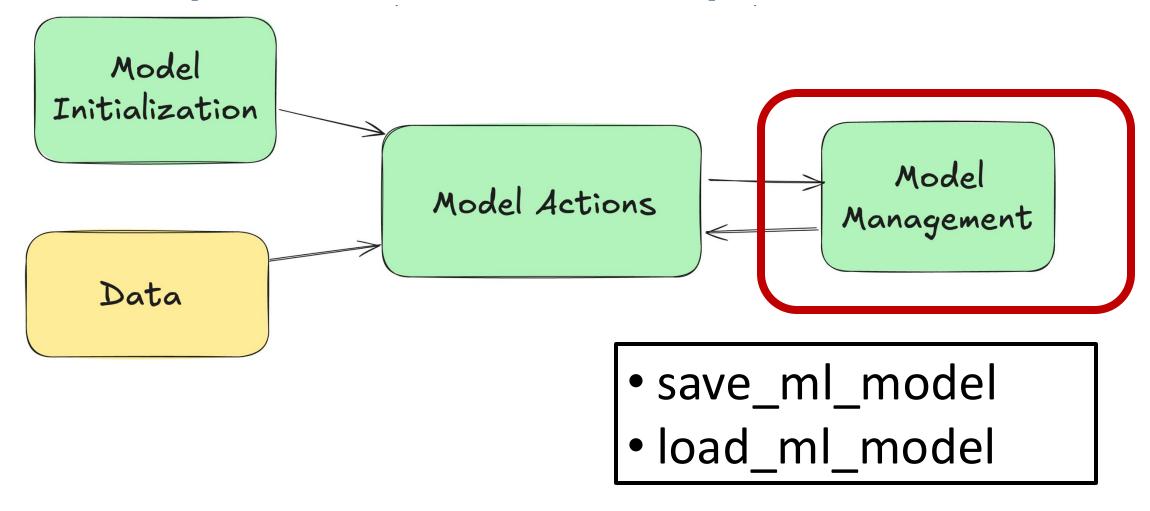


Model Initialization

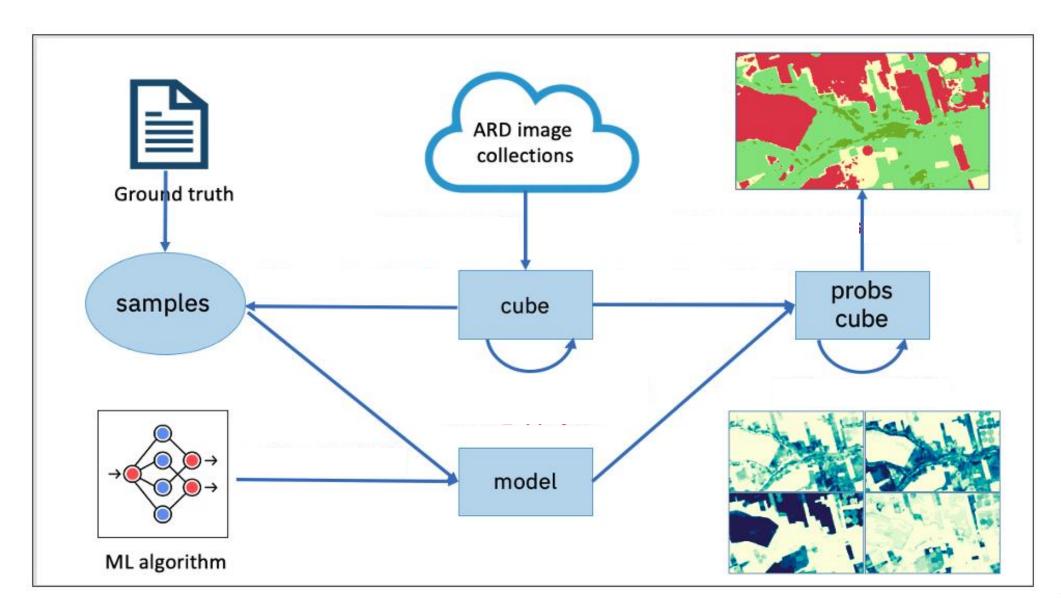
Data

- mlm class random forest
- mlm class svm
- mlm_class_xgboost
 - mlm_class_mlp
- mlm_class_tempcnn
- mlm_class_tae
- mlm_class_lighttae





openEO ML API Workflow



CODE DEMO

DURING Q & A

Conclusion

New ML Capabilities in the openEO Ecosystem

OpenEO users can gain the power of SITS-based analytics with minimal effort

openEO-craft is a fast prototyping open-source package to create openEO services in R

CONTACT US

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OpenEOcraft: https://github.com/Open-Earth-Monitor/openeocraft