EO4EU: AI-augmented ecosystem for EO data accessibility with XR User Interfaces for Service and Data Exploitation



Stathes Hadjiefthymiades National and Kapodistrian University of Athens

For more information:

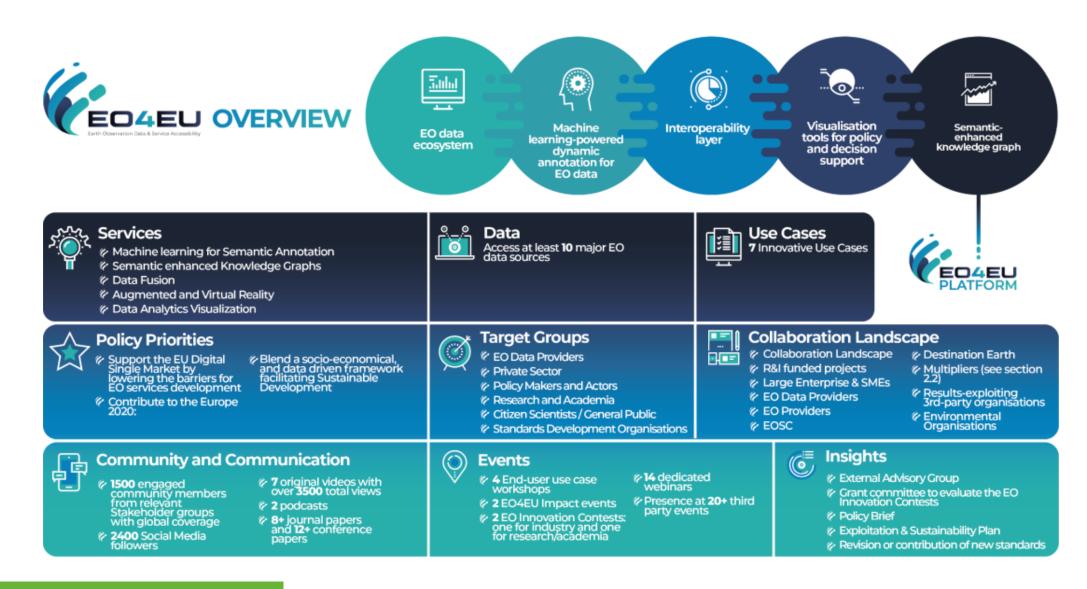


European Commission





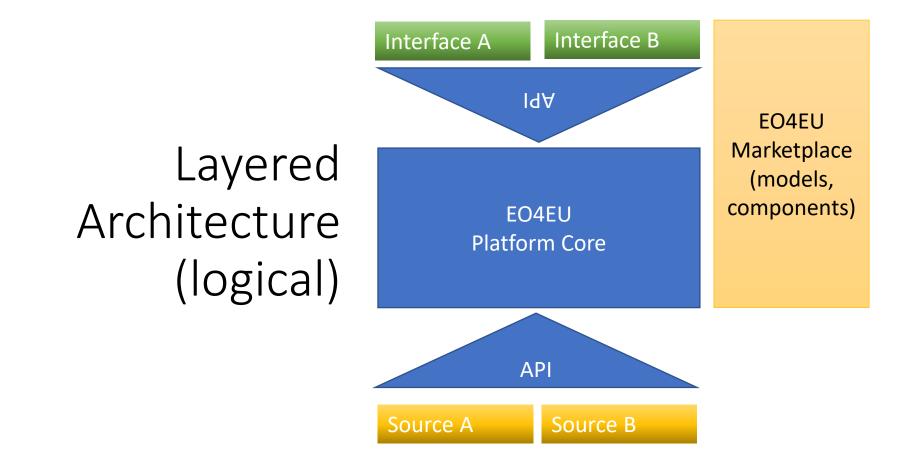




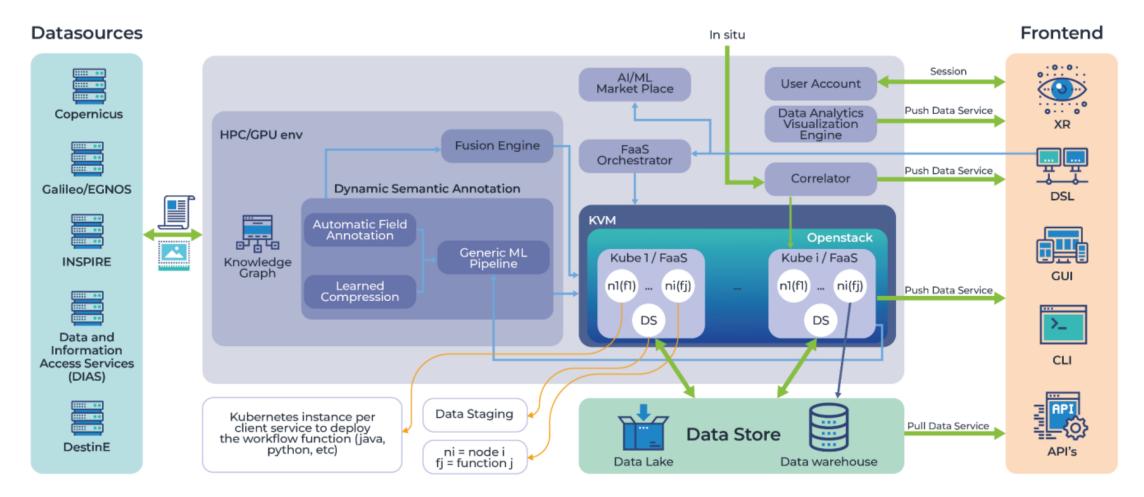
Objectives:

- Develop/integrate a truly generic platform to allow a wide spectrum of users to benefit from EO data.
- Interface different EO data sources to the platform
- Implement a number of use cases to demonstrate platform's versatility and ease of use (& programming)

Technology items: ML, Fusion, Semantic Annotation, Cloud computing, HPC, Domain Specific Languages, XR Interfaces, API, Application Marketplace



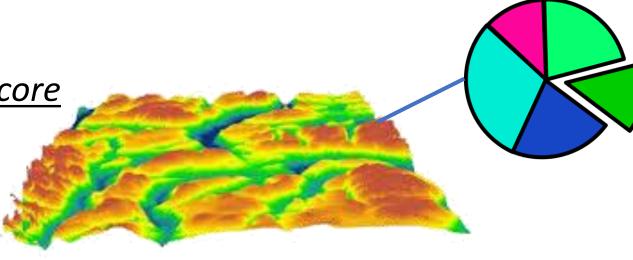
Layered Architecture



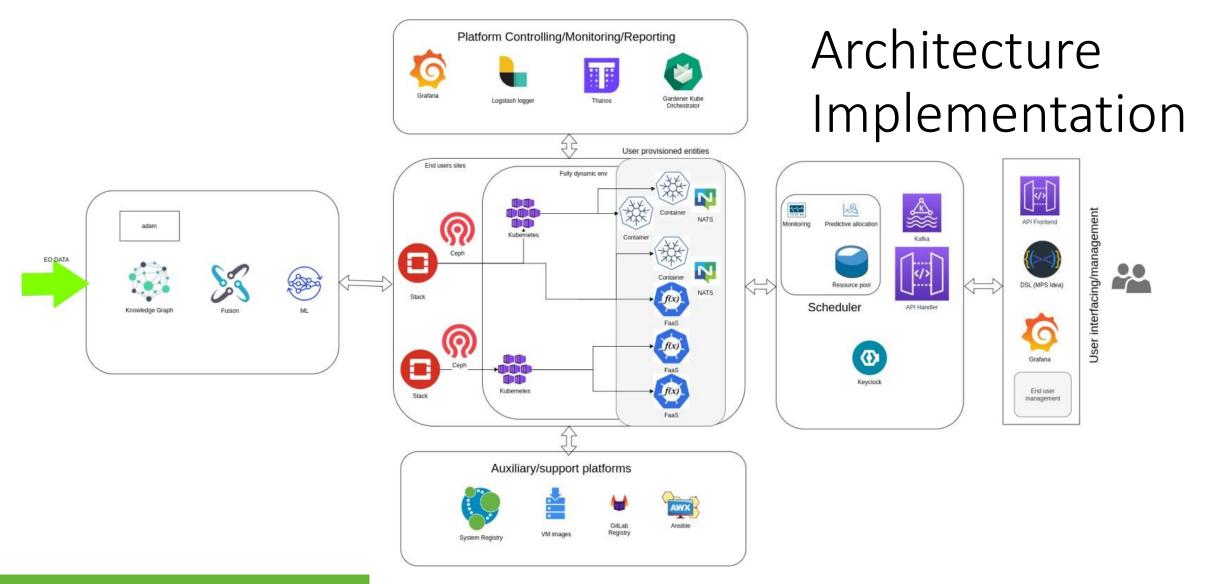
Customer facing services

- Dashboards with analytic capabilities
- CLI
- XR/AR
- Customized Applications
- Domain Specific Language Editor

Uniform API towards the platform core

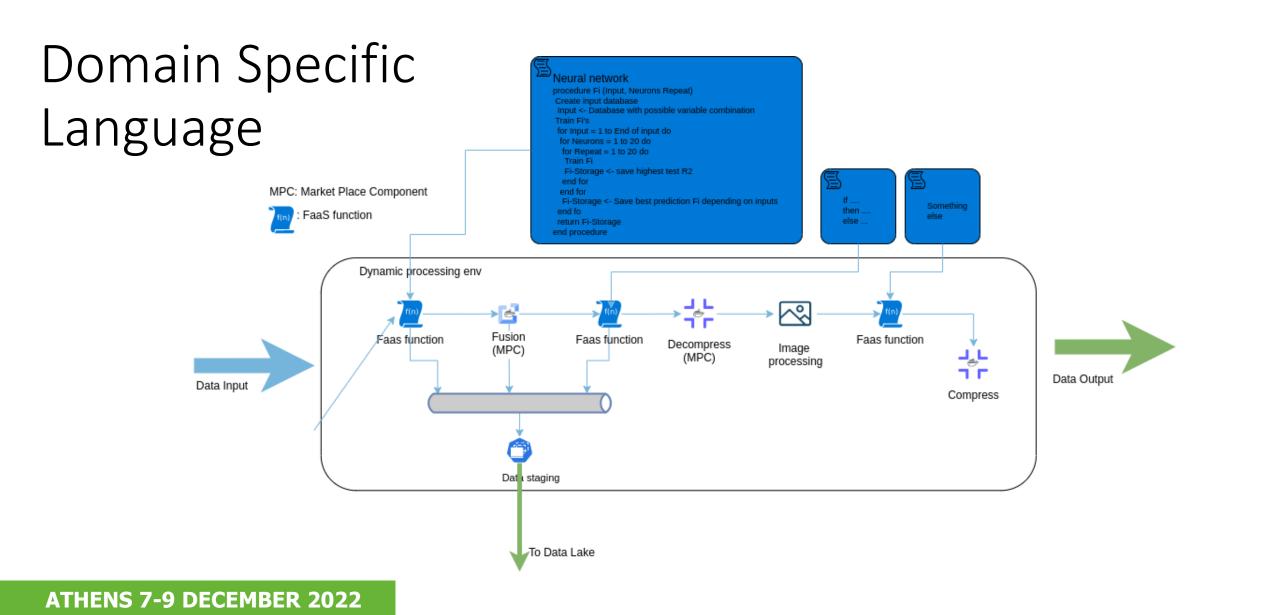


M.



0000000

MM.



UUUUUUU

Users



Simple endusers



Advanced end-users Application Developers & Service Providers

00000000

. M

Pilot Use Cases

- Personalized health care,
- Sea route planning,
- Ocean monitoring,
- Food security,
- Food ecosystems,
- Soil erosion,
- Environmental pest, and
- Crisis (responders) management.