



C-SCALE Empowering European researchers with federated Earth Observation data analytics

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The Copernicus – eoSC AnaLytics Engine

C-SCALE enables:

- ❑ Seamless access to Copernicus data in the EOSC Portal, exposing them to a much broader audience
- ❑ Easy processing and analysis by federating European e-infrastructures and laying the foundation for a European Big Copernicus Data Analytics platform
- ❑ Cross-disciplinary research utilising FAIR Copernicus data in the integrated C-SCALE compute infrastructure
- ❑ Knowledge for sound decision making that helps monitor and mitigate climate change and improve the life quality for citizens of Europe and around the world

C-SCALE services and workflows



FedEarthData

Uniform access to a federation of computing and data providers to execute Copernicus and Earth Observation workloads



EO-MQS

One-step discovery of Copernicus data in data archives across the C-SCALE Data Federation and across Europe



openEO Platform

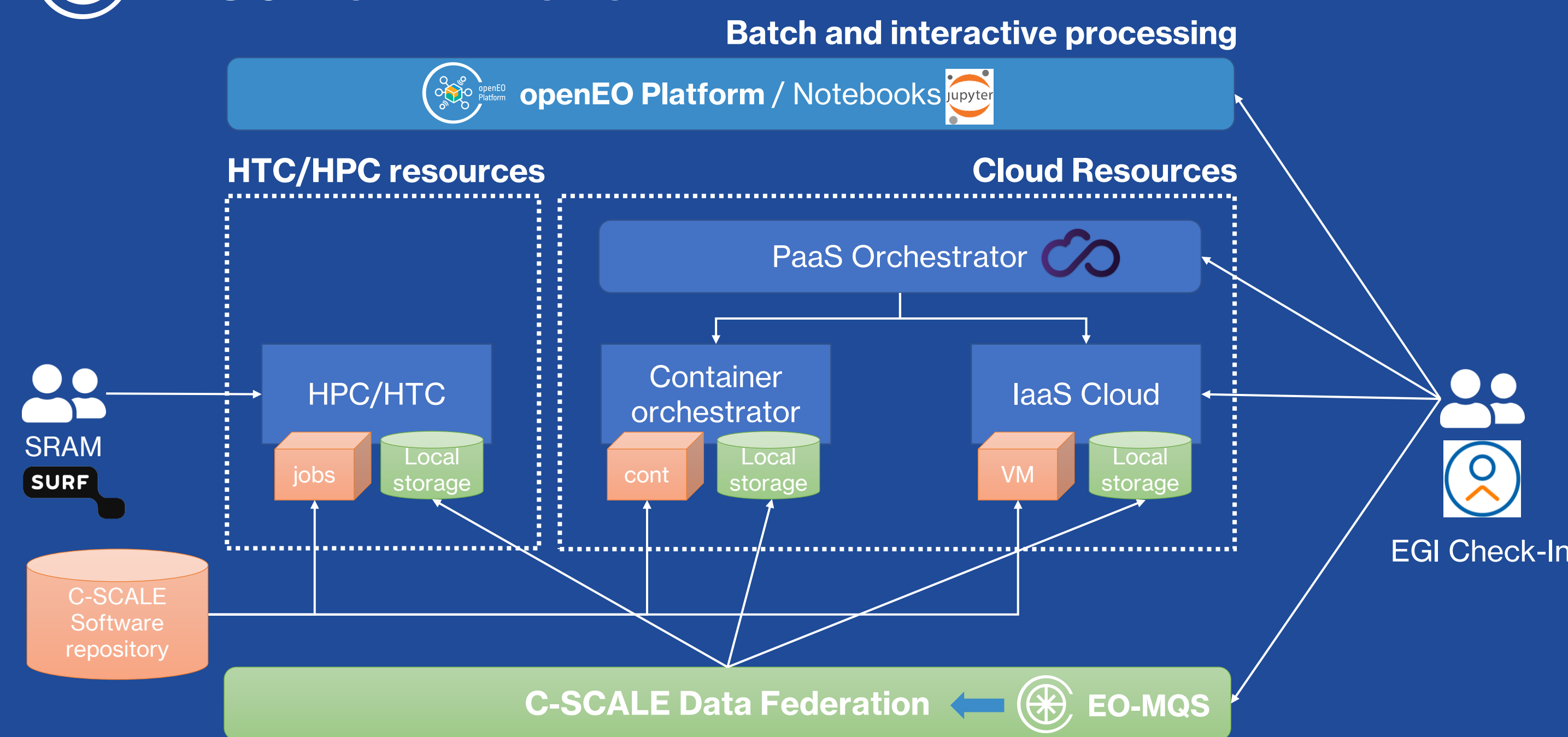
Versatile cloud-based processing and analytics environment for Earth Observation data on infrastructures supporting openEO API



Workflow Solutions

Easy deployment of workflows supporting monitoring, modelling and forecasting of the Earth system

FedEarthData



What's in it for users?

- ✓ Discover, access and catalogue a large repository of Copernicus data with EO-MQS.
- ✓ Create and execute Earth Observation data processing workflows on our distributed computing infrastructure with FedEarthData and openEO Platform.
- ✓ Reuse a portfolio of Workflow Solutions that can be customised on the infrastructure resources.
- ✓ Engage with other users and experts in the C-SCALE user community (<https://github.com/c-scale-community/>).
- ✓ Access support material for the development of scalable cloud agnostic, and interoperable solutions.



What's in it for providers?

- Do you operate a STAC catalogue?



Integrate it with EO-MQS and increase the visibility of your Copernicus data.

- Is your e-infrastructure compatible with EOSC AAI?

Federate your computing resources with FedEarthData and reach new user communities from the European research sector.

- Do you want to catalyse Earth Observation research with specialised analytics tools?

Deploy the openEO API, a versatile cloud-based processing and analytics environment for Earth Observation data



Find out what C-SCALE has to offer:

✉ contact@c-scale.eu 🌐 <https://c-scale.eu/> 🐦 @C_SCALE_EU 📺 /c-scale_project zenodo /communities/c-scale

