panosc
photon and neutron open science cloud

PaNOSC is a European project financed by the INFRAEOSC-04 call for making FAIR data a reality in 6 European Research Infrastructures (RIs), developing and providing services for scientific data and connecting these to the European Open Science Cloud (EOSC).

PaNOSC Developments

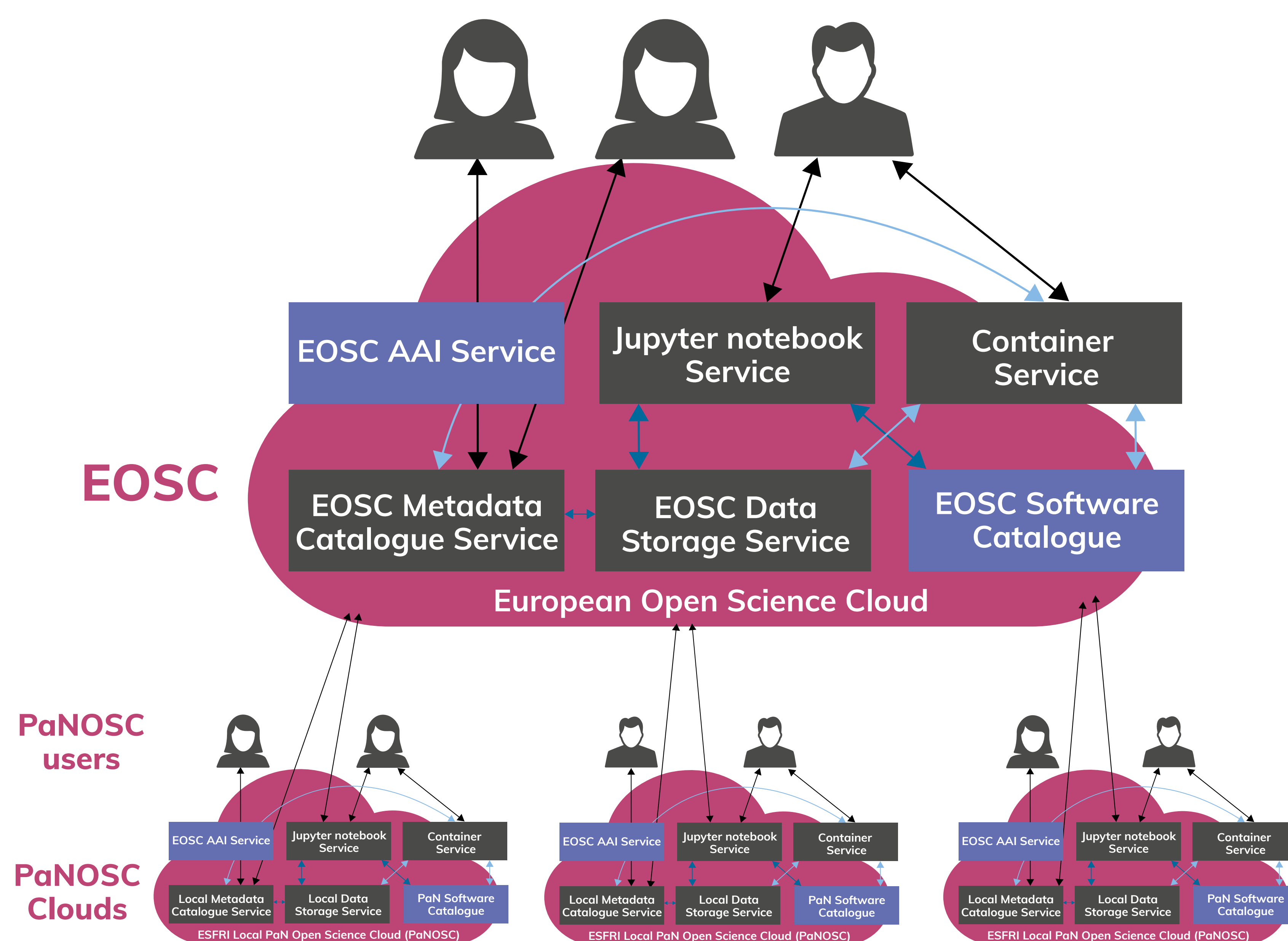|	
Common data API:	ALL partners
Jupyter notebooks:	ALL partners
Data Analysis Portal:	ALL partners
Software catalogue:	ALL partners
AAI:	ALL partners (with PaNs + GÉANT)
Data catalogues:	ICAT (ESRF), SciCat (ESS), MDC (EuXFEL, ILL), VUO (CERIC)
Data transfer + Computation:	ALL + STFC, Desy, CESNET
Simulation:	Simex (EuXFEL), OASYS (ESRF, CERIC), McStas (ESS, ILL)
E-logbook:	ICAT+ (ESRF, EuXFEL)
e-Training platform:	ESS, ELI, ESRF (with Hercules)

All the above are interoperable with EOSC.
We are seeking collaboration and standards.

PaNOSC partners - ESFRI projects

Findable **A**ccessible **I**nteroperable **R**eusable

[1]

EOSC + PaNOSC Clouds

Common APIs for 6 catalogues

Common API to search across all PaNOSC catalogues

ESRF (iCat)	CERIC (VUO)	ESS (SciCat)	ILL (local)	ELI (tbd)	XFEL (MyMdc)

PaNOSC Objectives

1. Participate in the construction of the EOSC

2. Make scientific data from ESFRI Photon and Neutron sources fully compatible with FAIR principles

3. Generalise the adoption of open data policies + standard metadata

4. Provide innovative data services to the users via the EOSC

5. Increase the impact of RIs by ensuring re-use of data

6. Share outcomes with national RIs

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