PaNOSC

photon and neutron open science cloud

Making FAIR data a reality for the PaN community

Data Policy & Stewardship (WP2)

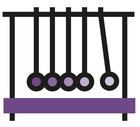
PaNOSC enables facilities to ensure their data policies honour FAIR principles in the way they curate data. Partners will adopt an Open Data policy by updating their data policies to better align with current understanding of FAIR principles.

Data Catalogue Service (WP3)

PaNOSC aims to provide an EOSC service that allows users to seamlessly and easily access data from the diverse set of catalogues at the existing facilities. A unified API will be defined, to enable the existing and future services to be used by EOSC.

Data Analysis Services (WP4)

PaNOSC aims to make data analysis services available through cloud-hosted services and on the EOSC, by allowing choosing, controlling and executing them remotely, while also supporting traceability, persistent identification, and reproducibility of the data analysis process from raw to publication data.



Simulation Data System (WP5)

PaNOSC promotes the access to and integration of simulated data in complex analysis workflows through the set up of state-of-the-art e-infrastructures that provide a flexible simulation framework allowing users to rapidly implement simulation and analysis workflows specific to their facilities, instruments, and experiments.

EOSC Integration (WP6)

The PaNOSC cluster will be integrated with EOSC, through collaboration with EOSC-Hub project, and more generally with the e-infrastructures and Research Infrastructures which are jointly contributing to the realization of the EOSC.

Sustainability (WP7)

PaNOSC will develop a business plan on how to sustain the data catalogues and services in the Photon and Neutron community and as part of the EOSC.

Staff & Users Training (WP8)

PaNOSC foresees the development of an e-learning platform for the PaN user community and for the staff at the partner facilities, to promote FAIR principles and to introduce users to the PaNOSC services, and to the capabilities of PaNOSC facilities.

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CERIC Central European Research Infrastructure Consortium

EGI

eli

ESRF The European Synchrotron

ESS EUROPEAN SPALLATION SOURCE

European XFEL

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