

Better data for better science workshop

Learning Management Systems (LMS): Better training leads to better operations and better science

28th October, 2021

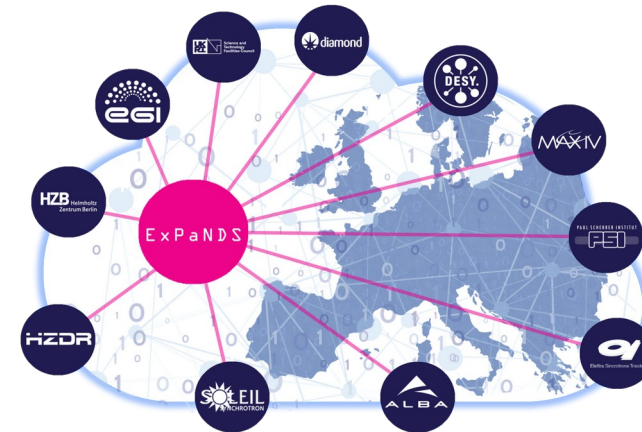
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PaNOSC and ExPaNDS projects have received funding from the European Union's Horizon 2020 research and innovation programme under grant agreements 823852 and 857641, respectively.

The PaN projects

Introduction



- PaNOSC – Photon and Neutron Open Science Cloud
 - WP5 Virtual Neutron and X-ray Laboratory.
 - WP8 Staff and user training.
- ExPaNDS – European Open Science Cloud (EOSC) Photon and Neutron Data Service
 - WP5 Training activities through EOSC platforms.



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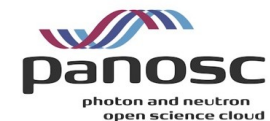
Education and Training

PaNOSC WP8 & ExPaNDS WP5

- Training Catalogue: <https://pan-training.hzdr.de/>
 - Soon to be pan-training.eu
- E-learning Platform: <https://pan-learning.org/>
 - Uses the Moodle learning management system.
 - Currently being connected to catalogue via pan-training.eu/moodle



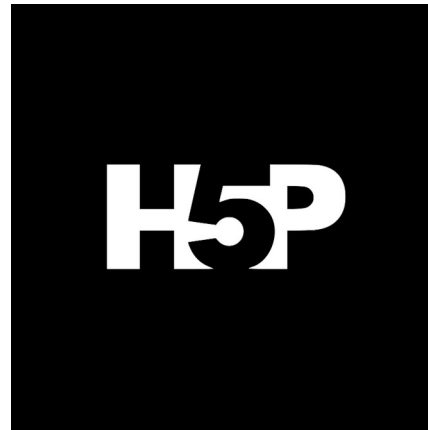
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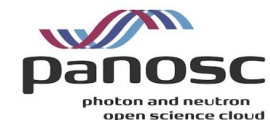
The E-learning platform

Moodle

- Log in for students and teachers.
 - ORCID and UmbrellaID
- Anyone can be a teacher.
- Wiki
- Have moodle quizzes
- Use H5P



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The E-learning platform

JupyterHub (JupyterLab will replace)



McXtrace



McStas



- Runs on servers at the ESS.
- Docker container launched for each student.
- Pulls notebooks directly from github.
 - Only a single place to update course.
- Only students enrolled on the course can have access.
- Student edits are saved.
- Popular modules are already installed in the container.
- Containers can also be built with software installed.

SasView

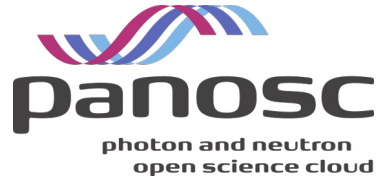


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Thank you

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