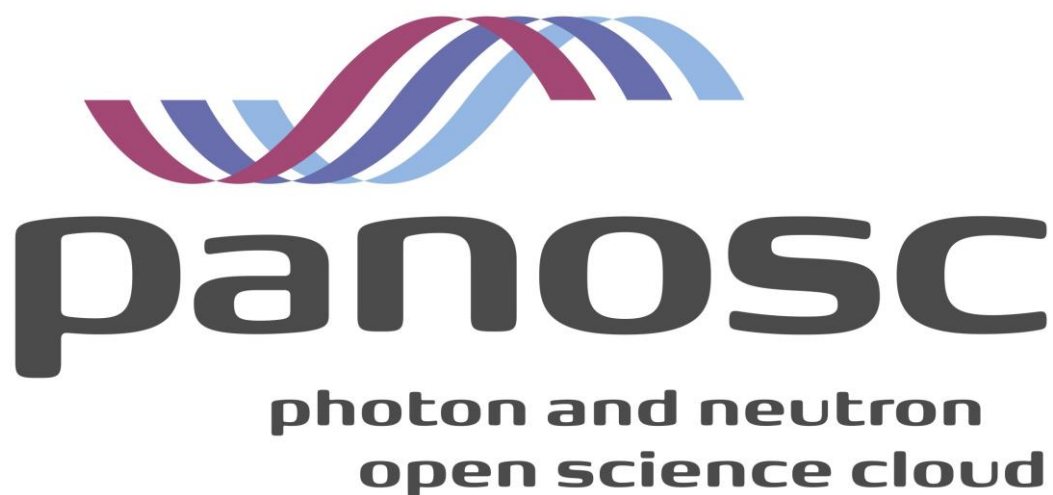


**PaNOSC**

**Photon and Neutron Open Science Cloud**

**H2020-INFRAEOSC-04-2018**

**Grant Agreement Number: 823852**



**Milestone: MS19**

## **Project Deliverable Information Sheet**

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H2020 Call:	INFRAEOSC-04-2018
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## Document Control Sheet

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Participant No.	Participant organisation name	Country
1	European Synchrotron Radiation Facility (ESRF)	France
2	Institut Laue-Langevin (ILL)	France
3	European XFEL (XFEL.EU)	Germany
4	The European Spallation Source (ESS)	Sweden
5	Extreme Light Infrastructure Delivery Consortium (ELI-DC)	Belgium
6	Central European Research Infrastructure Consortium (CERIC-ERIC)	Italy
7	EGI Foundation (EGI.eu)	The Netherlands

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# Introduction

The aim of this milestone placed relatively early in the course of the project (expected delivery at month 18) was to prepare the team for the delivery of the main services developed in the scope of the project. These services (common data APIs, data analysis portal ...) are planned to be registered in the EOSC portal at month 36 (MS20).

## Services released to the EOSC portal

### PaNOSC e-Learning platform

The platform available under <https://pan-learning.org/> is the community e-learning solution. This is a long-standing service that collects and aggregates scientific training materials and online courses for the Photon and Neutron Research Infrastructures' users.

The platform is still in active development in the scope of PaNOSC to integrate a data analysis platform that will allow enriching data analysis courses with practice sessions.

The platform is now available to the wider scientific community under the EOSC portal address: <https://marketplace.eosc-portal.eu/services/pan-learning-org-is-a-e-learning-platform-specifically-designed-to-provide-training-for-users-of-photon-and-neutron-sources>

The European Spallation Source ERIC (ESS) has register as the service provider for this platform.

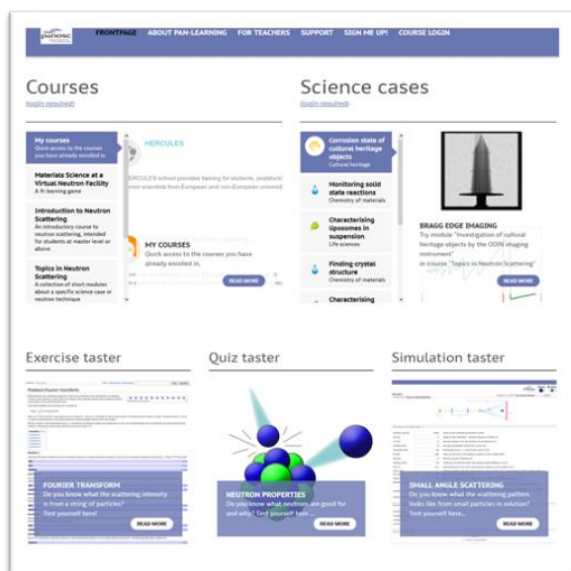


Figure 1: PaN e-learning platform native interface

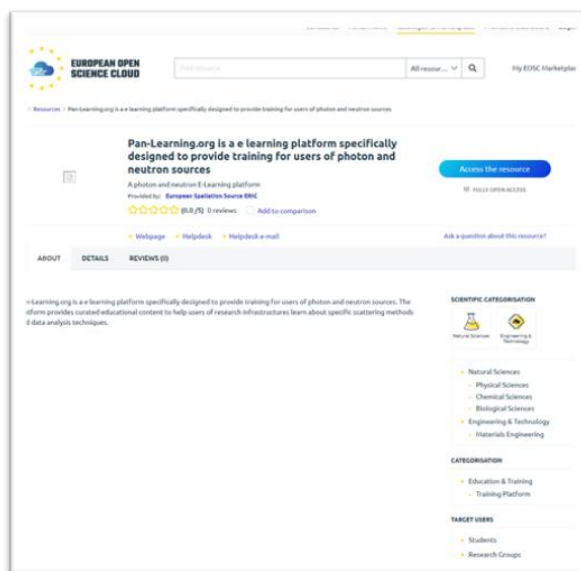


Figure 2: PaN e-learning as presented on the EOSC portal

## Photon and Neutron community Software Catalogue

The Photon and Neutron software catalogue is accessible through <https://software.pan-data.eu>, its aim is to provide a registry of all software used in the PaN scientific community, it standardises the description of the software and highlights the ones supported by the RI. Selected datasets are also presented in the catalogue to help scientists to get use to these software before performing experiments or starting analyses of data.

The catalogue is now available to the wider scientific community under the EOSC portal address: <https://marketplace.eosc-portal.eu/services/panosc-software-catalogue>

The Institut Max Von Laue - Paul Langevin (ILL) has register as the service provider for the software catalogue.



Figure 3: PaN software catalogue native interface

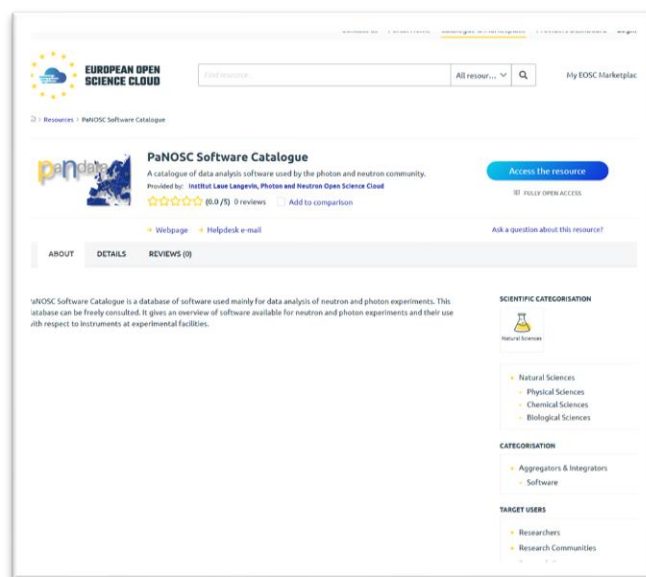


Figure 4: PaN Software catalogue as presented on the EOSC portal

## Lesson learnt

This milestone has been delayed by 8 months and even if the work has certainly been impacted by the current crisis we are all living, this delay is also due to the fact that we underestimated the evolution of expectations regarding the registration of new services in the EOSC portal. Since its inception, the portal registration process and web site have regularly evolved under the responsibility of few projects like EOSC-Hub and later on EOSC Enhance. The deliverable of these projects and the milestones/deliverables of PaNOSC were not timely aligned, this has also contributed to this extra delay.

More generally the evolution of the EOSC Portal registration processes and requirements were clearly unplanned on the scientific community side, they are forcing the communities to rethink the way they work. As of today, a lot of community services are provided through community effort and in the best case a simple Memorandum of Understanding is binding the stakeholders to sustain the services. The evolution toward accepting only services provided by a legal entity could certainly provide benefits in terms of service reliability and sustainability, but necessitate for the communities deep evolutions in their organisation that could come only after long preparatory work.

In the case of PaNOSC, the immediate solution for achieving this milestone without more delays (as soon as the latest developments in the EOSC portal were done and training/explanations available) was to register Individuals RI as resource providers.

There are clear gaps between what is expected now for registering a service and the registration process that was in place two years ago when PaNOSC was launched. The delay encountered in MS19 has no impact on the course of the project, it does not generate more delays on future deliverables. Nevertheless, in order to avoid new difficulties for the registration of the core PaNOSC services, we have decided to start a sub-working group In PaNOSC WP6 for proposing a community standard of the services (access to services, Service Level Agreement, community identity, user support, accounting ...). This preparatory work should later on decrease the level of difficulties to register new services.

We will also start the registration process for the other services at a much early stage regarding the due date of MS20, knowing that changes could ever happen in the service registration process.