

HORIZON  
2020

# EOSC Photon and Neutron Data Services

## Résultats

### Informations projet

#### ExPaNDS

N° de convention de subvention: 857641

[Site Web du projet](#)

#### DOI

[10.3030/857641](https://doi.org/10.3030/857641)

Projet clôturé

#### Date de signature de la CE

2 Juillet 2019

#### Date de début

1 Septembre 2019

#### Date de fin

28 Février 2023

#### Financé au titre de

EXCELLENT SCIENCE - Research Infrastructures

#### Coût total

€ 5 998 103,75

#### Contribution de l'UE

€ 5 998 103,75

#### Coordonné par

DEUTSCHES ELEKTRONEN-  
SYNCHROTRON DESY



Germany

CORDIS fournit des liens vers les livrables publics et les publications des projets HORIZON.

Les liens vers les livrables et les publications des projets du 7e PC, ainsi que les liens vers certains types de résultats spécifiques tels que les jeux de données et les logiciels, sont récupérés dynamiquement sur [OpenAIRE](#).

## Livrables

[Dedicated websites and e-platforms with the teaching material](#)

Dedicated websites and eplatforms with the teaching material

[Standard Information sheet on ExPaNDS and the benefits of Open Data for RI users](#)

[Self-evaluation Photon and Neutron RIs for FAIR data certification](#)

Selfevaluation Photon and Neutron RIs for FAIR data certification

[PaN communities use cases](#)

Develop a series of 6 use cases in collaboration with all WPs linked to 6 webinars in key topics based areas of the PaN community

[Report on promotion of FAIR data within Photon and Neutron RIs](#)

[General Architecture in relation to the EOSC services](#)

[Advanced infrastructure for PIDs in Photon and Neutron RIs](#)

[Final data policy framework for Photon and Neutron RIs](#)

Final data policy framework for Photon and Neutron RIs

[Active DMPs for Photon and Neutron RIs](#)

[Final Recommendations for FAIR Photon and Neutron Data Management](#)

[Vision and roadmap documents for key audiences](#)

[Risk analysis and contingency plan](#)

[Annual report on training activities, workshops held, materials published and investigations performed 1](#)

[Annual report on training activities, workshops held, materials published and investigations performed 2](#)

Annual report on training activities workshops held materials published and investigations performed 2

[Communication and Dissemination Plan](#)

[Periodic progress report 2](#)

Periodic progress report

[Librarian symposium report](#)

Librarian and data managers symposium to stimulate debate and consensus on licences for data the measure of FAIR principles within facilities etc

[Draft recommendations for FAIR Photon and Neutron Data Management](#)

[Draft extended data policy framework for Photon and Neutron RIs](#)

[Project Quality Assurance and Progress Monitoring Plan](#)

[Risk analysis and contingency plan report](#)

[Communication Plan \(internal + EC\)](#)

[Periodic progress report 1](#)

Periodic progress report

[Portfolio material to support training for target groups at all RIs](#)

[Annual report on training activities, workshops held, materials published and investigations performed 3](#)

Annual report on training activities workshops held materials published and investigations performed 3

[Report on status, gap analysis and roadmap towards harmonised and federated metadata catalogues for EU national Photon and Neutron RIs](#)

[Report on lessons learned and future prospects for adopting best practices](#)

[Sustainability policy report](#)

[DMPs for Photon and Neutron RIs](#)

[Guidelines for implementing the national RI's analysis services within the EOSC](#)

## Other (15)



[ExPaNDS representation material for relevant large international conferences 2](#)

ExPaNDS representation material for relevant large international conferences 3

[Photon and Neutron reference data sets will be prepared and published](#) 

[ExPaNDS presentation for conferences 4](#) 

[ExPaNDS presentation for conferences 5](#) 

[ExPaNDS presentation for conferences 2](#) 

[ExPaNDS presentation for conferences 1](#) 

[Engage science communicators based at PAN RIs](#) 

[Assistance to the development of the taxonomy strategy for the relevant data catalogues 2](#) 

[ExPaNDS representation material for relevant large international conferences 1](#) 

[Deployment of Analysis Services for EOSC within the EOSC-hub](#) 

[ExPaNDS representation material for relevant large international conferences 3](#) 

[Testing and Validation framework](#) 

[ExPaNDS presentation for conferences 6](#) 

[Assistance to the development of the taxonomy strategy for the relevant data catalogues 1](#) 

[ExPaNDS presentation for conferences 3](#) 

## Open Research Data Pilot (1)

[DMP](#) 

Data Management Plan

## Websites, patent fillings, videos etc. (5)

[Senior level engagement](#) 

Short video series to encapsulate senior level engagement at PaN facilities in open science

[Infographic of metrics and KPI linked to WP2, 3 and 4](#)

[Promotional video](#)

ExPaNDS promotional video introducing the grant with senior figures emphasising the importance of the work

[User interviews](#)

Six oneminute user interviews packaged for social media and presenting the benefits from all key stakeholders

[Project website](#)

## Demonstrators, pilots, prototypes (5)



[Analysis Services Prototypes](#)

[Demonstrator for using of e-learning platforms](#)

[Release V1.0 ExPaNDS ontology available as an EOSC online service](#)

[Social media strategy](#)

[Demonstrate ICAT and SciCat re- leased with APIs compatible to Ex- PaNDS federated EOSC services](#)

## Publications

### Non-peer reviewed articles (1)



[ExPaNDS: Laying the Foundations for Achieving Open Science for Everyone](#)

**Auteurs:** Isabelle Boscaro-Clarke, Patrick Fuhrmann, Juliane Marauska, Brian Matthews, Abigail McBirnie, Alun Ashton, Carlo Minotti, Anton Barty, Majid Ounsy, Ana Valcarcel-Orti, Uwe Konrad, Kat Roarty & Paul Millar

**Publié dans:** Synchrotron Radiation News, 2023, ISSN 0894-0886

**Éditeur:** Gordon Publications

**DOI:** 10.1080/08940886.2023.2186664

## Ensemble de données

Ensemble de données via OpenAIRE (1)



[Raw data for the computation of ExPaNDS facilities maturity wrt FAIR data catalogues](#)

**Auteurs:** Minotti, Carlo; da Graça, Silvia; Ashton, Alun

**Publié dans:** Zenodo

## Logiciel

Logiciel via OpenAIRE (3)



[CrystFEL](#)

**Auteurs:** White, Thomas Ashley; Middendorf, Philipp; Tirumalai, Parthasarathy

**Éditeur:** Zenodo

**DOI:** 10.5281/zenodo.13904047; oai:zenodo.org:13904047

[CrystFEL](#)

**Auteurs:** White, Thomas Ashley; Middendorf, Philipp; Tirumalai, Parthasarathy

**Éditeur:** Zenodo

**DOI:** 10.5281/zenodo.10984700; 10.5281/zenodo.13904047;  
10.5281/zenodo.8183384

[Training-catalogue for the Photon and Neutron Data Services](#)

**Auteurs:** Knodel, Oliver; Padovani, Antoine; Schwabe, Julia

**Éditeur:** Zenodo

**DOI:** 10.5281/zenodo.7015079; 10.5281/zenodo.7468706;  
10.5281/zenodo.14748997; 10.5281/zenodo.7015078; 10.5281/zenodo.7482266

## Autres produits de recherche

Autres produits de recherche via OpenAire (5)



[D6.21 - ExPaNDS Promotional Video](#) 

**Auteurs:** Boscaro-Clarke, Isabelle; Libberton, Ben; Fuhrmann, Patrick; Servan, Sophie; Roarty, Kat; Matthews, Brian; McBirnie, Abigail; Ashton, Alun

**Publié dans:** Zenodo

[ExPaNDS Training Catalogue Demo](#) 

**Auteurs:** Knodel, Oliver

**Publié dans:** Rodare

[ExPaNDS infographics \(poster & video\)](#) 

**Auteurs:** Boscaro-Clarke, Isabelle; Roarty, Katharina

**Publié dans:** Zenodo

[Mã nhận diện thường trực cho các công cụ và tiện ích: lĩnh vực PID cần thiết phối hợp đang nổi lên](#) 

**Auteurs:** Lê Trung Nghĩa

**Publié dans:** Zenodo

[Position papers on EOSC - Insights from Regional Projects & Infrastructures](#) 

**Auteurs:** Drago, Federico; Ferguson, Nicholas; Tanlongo, Federica; Fuhrmann, Patrick; Götz, Andy; McBirnie, Abigail; Roarty, Kat; Salvat, Daniel; Servan, Sophie; Campos, Isabel; Cavalli, Valentino; Heikkurinen, Matti; Cauhé, Elisa; Sokartara, Dimple; Arvola, Maijastiina; Lappalainen, Minna; Kotsokali, Dimitra; Prnjat, Ognjen; Toli, Eleni; Fazekas-Paragh, Judit

**Publié dans:** Zenodo

**Dernière mise à jour:** 1 Février 2024

**Permalink:** <https://cordis.europa.eu/project/id/857641/results/fr>

European Union, 2025