PaNOSC WP 9
Outreach / Communication and Dissemination / Impact

4 November 2019

Nicoletta Carboni, CERIC-ERIC

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 823852

Visions on the EOSC from the PaNOSC community

Dr. Alessa Gambardella, ESRF user, former post-doc scientific researcher at the Rijksmuseum Amsterdam

"The EOSC [...] connects disciplines on a level where the languages are the same – that being measured data – and this in the end shall ***help researchers more easily find parallels and work more closely together****"*

Full interview: http://bit.ly/2BVeoTz

Dr. Aljoša Hafner, Computational Physicist at CERIC-ERIC for PaNOSC

"The EOSC ***will allow combining very complicated tools in a single working environment****, having data (and metadata) stored in a unified format, collected in one place and user from anywhere, while it will be possible to make computationally very expensive calculations, run on remote servers, for data analysis and experiments' simulations".*

Full interview: http://bit.ly/2MF0I47

Jonathan Taylor, Head of data management and software centre division at ESS

"The ability to deliver data and data services via a common portal with federated authentication would be a real benefit for RIs. This will enable ***improvements in data management****. Both facilities and their users would benefit from the increase in the use of FAIR data".*

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EOSC
secretariat.eu
Setup and management of the EOSC Secretariat supporting the EOSC Governance
EOSC is a key enabler of European excellence in Science
EOSC Secretariat Video @ R&I days in Brussels
PaNOSC
@Panosc_eu
25 Sept. 2019
Released today at the #RiDaysEU the video by the @EoscSecretariat, w/ interviews to scientists & managers at #EU_RIs, on their vision of the #EOSC, and of the benefits that both the scientific community and the public could get from it
Watch it here bit.ly/2lEua0u

Interaction with stakeholders

Staff and managers from PaNOSC partners introduced PaNOSC to different audiences (including RIs technical staff and managers, policy makers, researchers and service providers), and to discuss future plans and developments. Attended events in which PaNOSC representatives were actively present include:

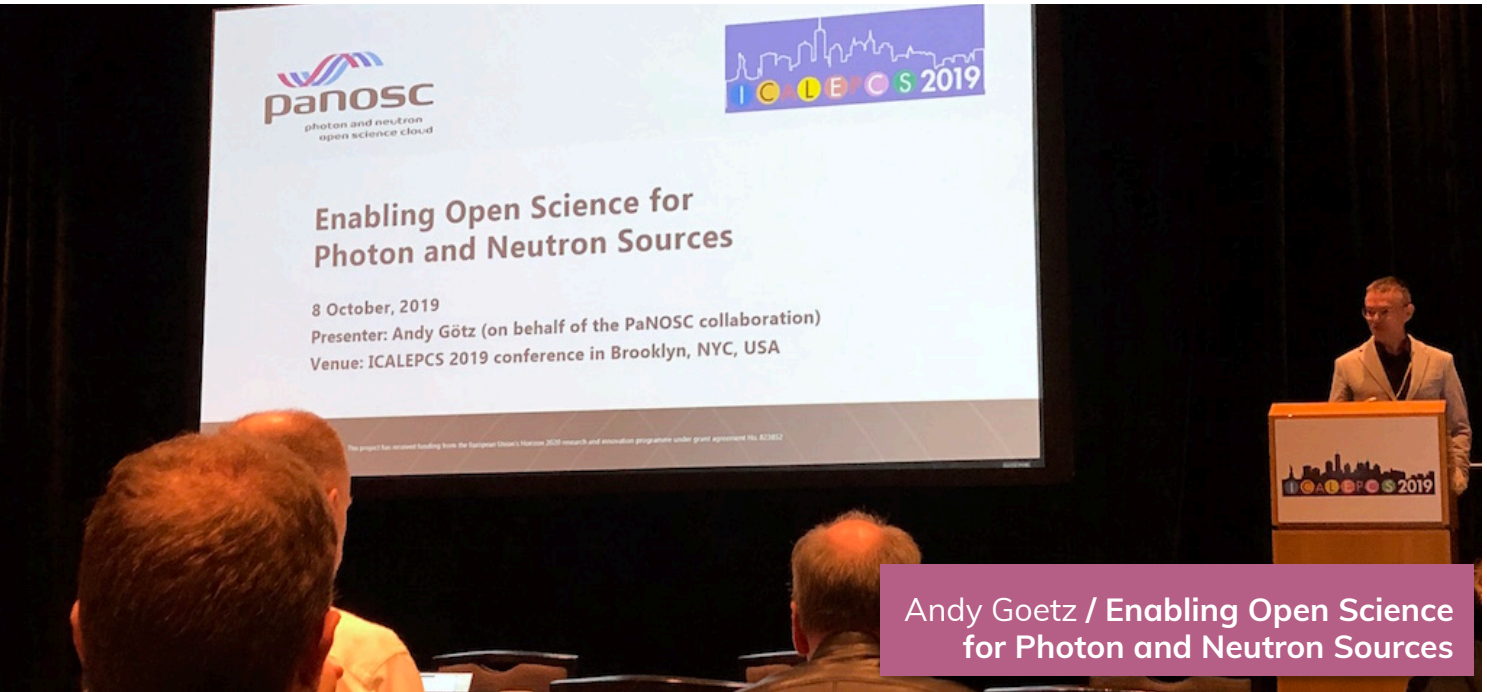
17th Biennial International Conference on Accelerator and Large Experimental Physics Control Systems

ICALEPCS 2019

5-11 October 2019, New York City, USA

- **TANGO workshop**, by Andy Goetz
- **Poster presentation**: Enabling remote HDF5 browsing and visualization on facility portals (Elettra / CERIC)

Jupyter Tutorial, by Hans Fangohr



Andy Goetz / **Enabling Open Science for Photon and Neutron Sources**

Hans Fangohr / **Data Exploration and analysis with Jupyter**


What can be done with other clusters to ensure EOSC sustainability ?
FAIR
ENVRI
What's the main challenge (in each WP), to be addressed for better collaboration?
How to enhance collaboration with other clusters in all WPs?
Which common actions / in which domain?
ESCAPE
Should we target users from different communities? How?
EOSC-Life
SSHOC
EOSC coordination day after EOSC symposium in Budapest
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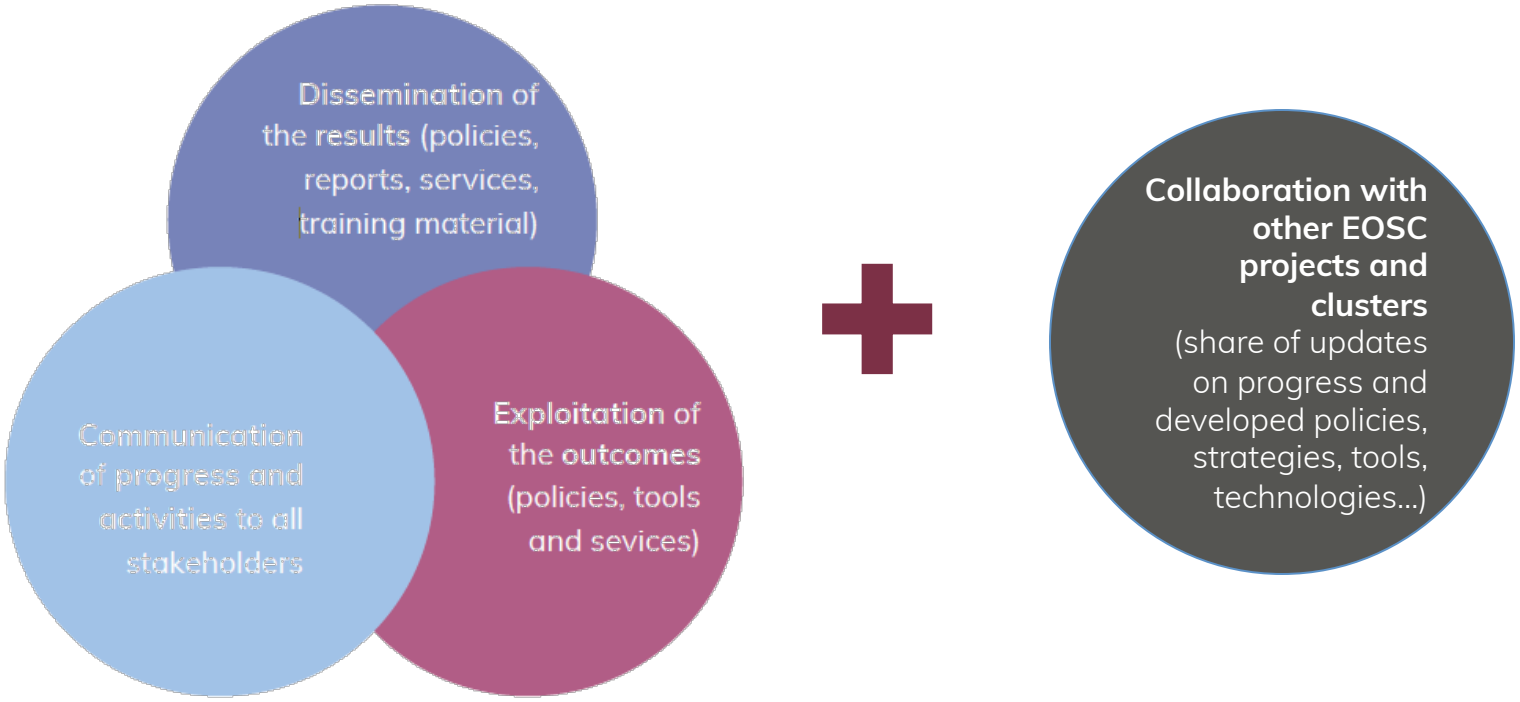
photon and neutron open science cloud

PaNOSC WP9 Goals & Deliverables

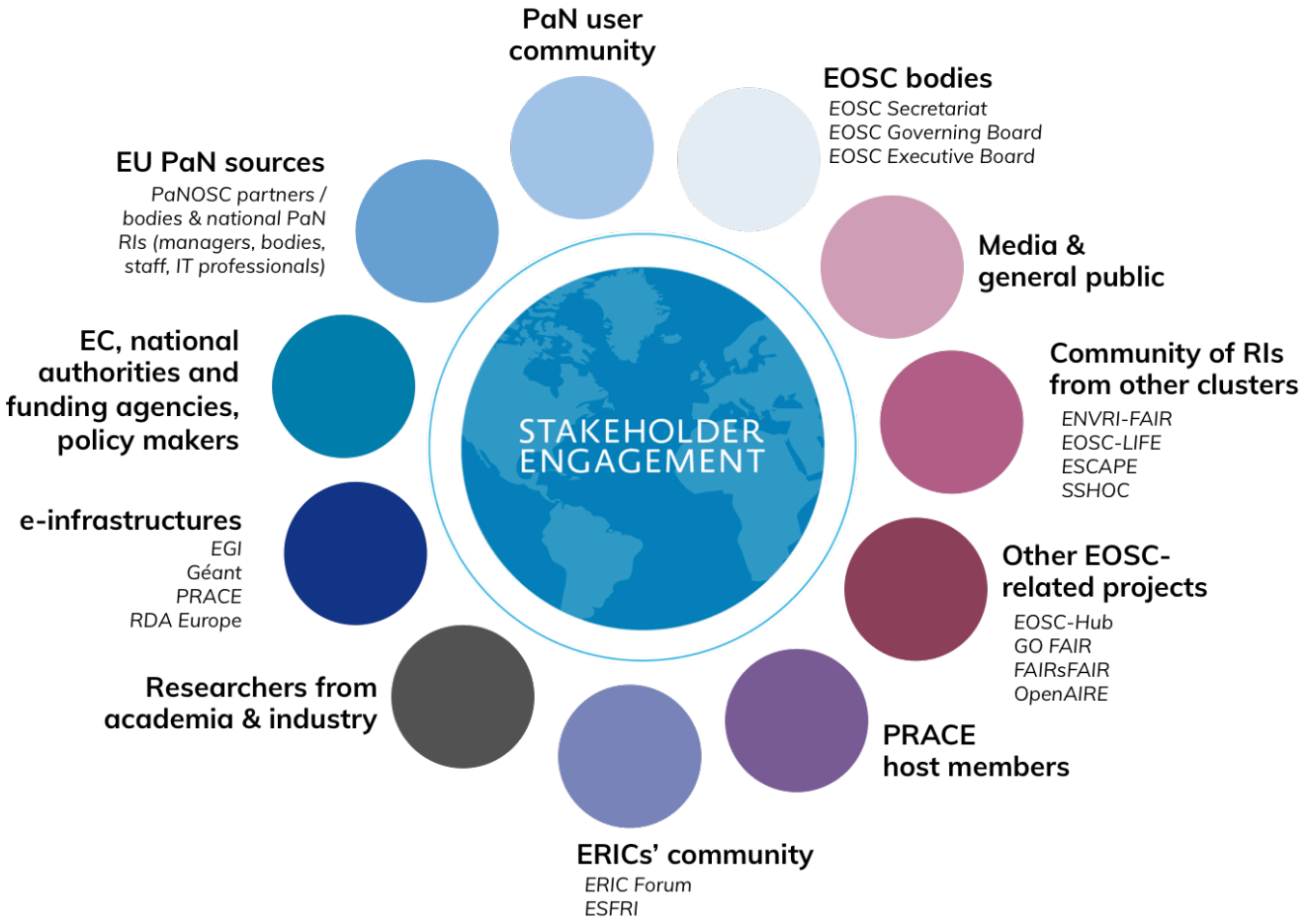


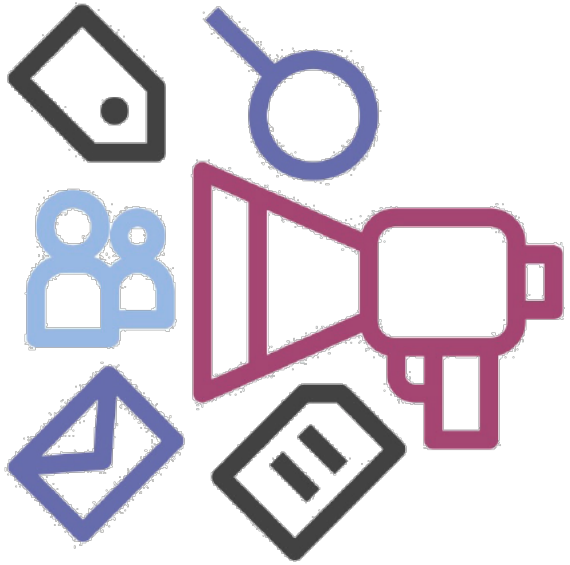
N.	Deliverable	Lead Partner	Type	Dissemination Level	Due date (month)
D.9.1	PaNOSC Communication and Dissemination Plan	CERIC	Report	Confidential	M7
D.9.2	PaNOSC website	CERIC	Website	Public	M6
D.9.3	PaNOSC repository for internal communications	CERIC	Online repository	Confidential	M3
D.9.4	Dissemination and outreach activities	CERIC	Websites, press & media actions, videos, etc.	Public	M48

PaNOSC WP9 Deliverables

D9.1 - Communication and Dissemination Plan

Identifies actions, tools and target groups addressed, according to the project's stage of implementation, e.g., linking the communication with the task(s) in progress.





Media MIX:

- Project's website: https://panosc.eu
- PaNOSC Twitter account: @panosc_eu
- PaNOSC YouTube channel
- Partners' websites and newsletters
- PaNOSC brochure
- Media relations
- Promotional material (rollups, posters, gadgets, etc.)
- Promotional campaigns
- Reporting
- Networking and outreach events
- Training events and material

PaNOSC / ExPaNDS Communication & Outreach

What joint actions?

- **Share of deliverables and useful resources** for comms/outreach
- **Common mailing list**, with all comms/press officers from PaNOSC and ExPaNDS partners, to exchange news, info about events and projects' advancements, useful resources, etc.
- Use of a joint common **events' calendar**
- Mutual **support on social media**
- Mutual **promotion** of results, events and activities of both projects
- Joint use of the e-learning platform developed in PaNOSC WP8
- Joint planning of similar events (e.g., Jupyter workshops or similar)
- Joint attendance of user meetings to raise awareness about the projects, and **to involve and engage potential/future users** of tools/technologies/services developed in the frame of the two projects.

ExPaNDS
European Open Science Cloud Photon and Neutron Data Services

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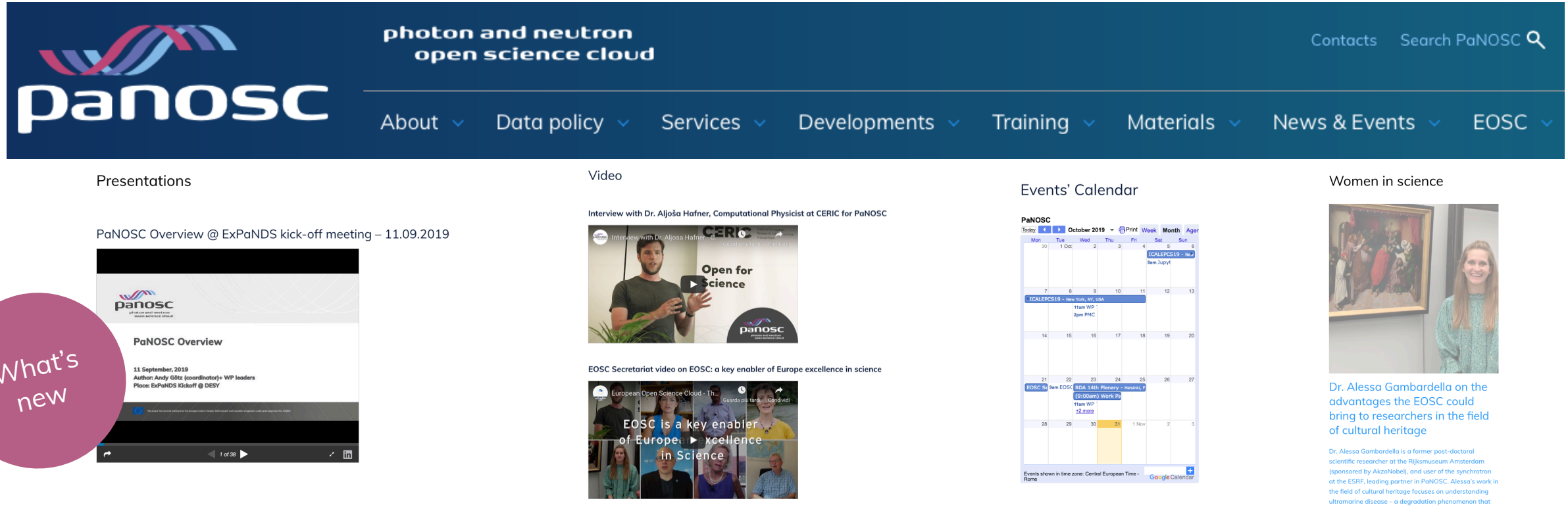
PaNOSC WP9 Deliverables

D9.2 – Project's website – www.panosc.eu



D9.3 – PaNOSC repositories for internal communication

- **GitHub repositories** to store project's docs and manage the project and its team:
  - PaNOSC (https://github.com/panosc-eu/panosc), on common issues and general info about PaNOSC
  - Issues (https://github.com/panosc-eu/panosc/issues), for discussion on all PaNOSC issues.
  - WP-related repositories (WP3, WP4, common API and FAIR data API).
- **Google Drive and Docs** to store and share working documents, and to edit them collaboratively.
- **CERIC drive** – to store and share confidential documents related to the project.

WP9 / WP1 - Management

Strong link with WP1 through regular exchanges / participation in meetings of the Project Management Committee

WP9 / WP2 – Data Policy and Stewardship

Commitment in WP9 expected once the PaNOSC data policy framework will be updated (M18), and the guidelines for DOIs, long term archiving and FAIR data, GDPR and other legal aspects of federating data, will be created (M24).

PaNOSC data policy framework: https://www.panosc.eu/data-policy/panosc-data-policy-framework/

WP9 / WP8 – Staff and User Training

Action for collecting training material at PaN facilities has just started, by contacting lecturers at the past Hercules schools. Further commitment in WP9 expected for the promotion of the e-learning platform, as well as of training events, courses and material.

WP9 / WP3 – Data Catalog Services

FAIR data API, federated search with EOSC hub, catalog integration

News

Published 3rd June 2019

PaNOSC WP3 kicked off at the European Spallation Source

On 23-24 May 2019, the European Spallation Source – ESS hosted the kick-off meeting of PaNOSC Work Package 3 – Data Catalog Services, at the ESS Data Management and Software Centre (DMSC) in Copenhagen.

After opening presentations of all invited partners, the meeting started with an overview of the results stemming from the data catalogue survey circulated among the PaNOSC partner institutions. The survey highlighted that the RIs in the partnership have six different catalogues with little overlap in terms of technology. PaNOSC foresees to move to common metadata definitions and interoperable catalogues by 2023 and to establish open data services with common APIs, for which WP3 plays a vital role.

From the survey and the following roundtable, it can be stated that the 6 PanOSC partners are at varying stages of catalogue use, ranging from beginning (ELI), to partial integration (CERIC, ESS) to full integration (ESRF, ILL). All partners still lack open data with full metadata.

PaNOSC @Panosc_eu · Sep 18

PaNOSC participants involved in the development of #DataCatalogue services for the PaN community are meeting at @ILLGrenoble w/ the goal of advancing specifications of #FAIRdata API. Ties to #EOSC services & catalogue integration will also be discussed

>bit.ly/2IXbZmD<

Tobias Richter @tostri · Sep 18

New day, new meeting! This time for @Panosc_eu on data catalogues, hosted by @ILLGrenoble

PaNOSC @Panosc_eu · Jul 31

#PaNOSC WP3 is focused on the development & integration of #DataCatalog services for the PaN community. The kick-off of the WP at @essneutron focused on #FAIRdata API development and catalogue integration. Read about the outcomes of the workshop here > bit.ly/2KcLaDv

Events

18/09/19

PaNOSC WP3 workshop at ILL

The ILL will host a PaNOSC WP3 Workshop from **Wednesday 18th September** to **Thursday 19th September 2019** in Grenoble, with the principal objective of advancing the specifications of the FAIR data API as defined in Task 3.1.

Topics for discussion include:

- FAIR data API
  - API endpoints
  - Returned data structure
  - Search and query formulation
  - API Validators
  - Result aggregation from multiple facilities
  - Federated Search Demonstrator
  - Harvesting by EOSC repos & OAI-PMH
- NeXus
  - Show and tell summary
  - Keywords
- Internal milestones, deliverables and risks
- Ties to EOSC services (WP6)
- Catalogue integration

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WP9 / WP4 – Data Analysis Services

News

Published 18th July 2019

Kick-off meeting of PaNOSC WP4 hosted at EuXFEL

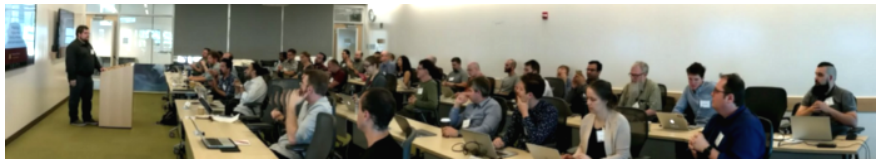
The kick-off meeting of PaNOSC work package 4 – Data Analysis Services, took place from 25 to 27 June at EuXFEL in Schenefeld, Germany, with the goal of better coordinating the people involved in the WP and the future operational steps.

PaNOSC @Panosc_eu · Sep 2

Read about the outcomes of the kick off meeting held at the @EuropeanXFEL, of the #PaNOSC work package focused on the creation and provision of #DataAnalysis services for the #photon and #neutron user community

>> bit.ly/2lPxh5v

#EOSC #OpenScience #FAIRdata



News

Published 7th August 2019

Reproducible science discussed at the Jupyter for Science workshop

[...]

Also PaNOSC and its goals were presented to the community. In particular, **Robert Rosca** from the European XFEL gave the presentation "Jupyter for reproducible science at photon and neutron facilities". After an introduction to the project, Rosca brought few examples of use cases related to the reproducibility and re-usability of published results, and the possibility of making new data analysis on existing data sets, and showcased some of the challenges that the project will have to tackle during its implementation. The session ended with a stimulating discussion about what users at different facilities do with Jupyter. One of the main conclusions was that there should be a major focus on real-time collaboration, data management/exploration within the notebooks, improving the reproducibility of notebooks and (related to that) containerised notebook execution.

PaNOSC @Panosc_eu · Sep 5

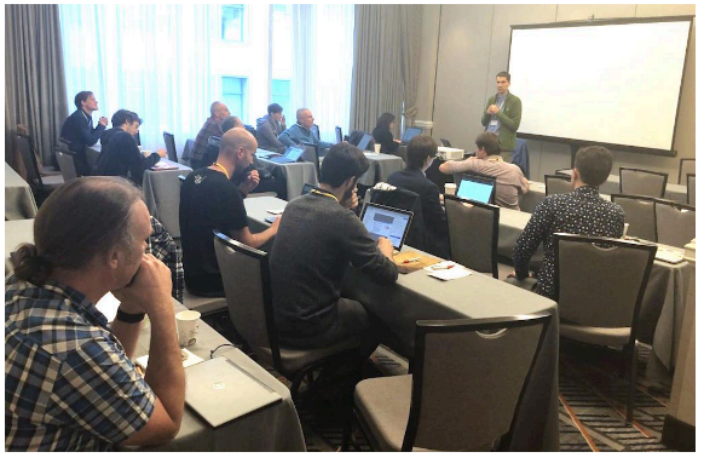
Read about the contribution of Robert Rosca from @EuropeanXFEL, to the #Jupyter community workshop held in Berkeley earlier this summer at @NERSC / @UCBIDS,on reproducibility & re-usability of scientific results collected at #photon & #neutron facilities
bit.ly/2IzeLOO

Published 7th October 2019

Material from the PaNOSC Jupyter workshop at ICALEPCS 2019 now online

The material presented at the PaNOSC Jupyter workshop held on October 5th at ICALEPCS2019 in New York City, is now available at **this link**.

The satellite meeting started with a brief introduction by Hans Fangohr – leader of WP4: Data Analysis Services – to the Jupyter Notebook* and the ecosystem of tools that are based on it, i.e., JupyterHub, JupyterLab, NBDIME, NBVAL, Binder. Status updates from Soleil, CERN, European Southern Observatory, J-PARC MLF, Max IV, ESS and the Brookhaven National Laboratory allowed different facilities and participants to show the current, planned or desired use of Jupyter at their facilities or elsewhere, presenting both their positive and negative experiences to help others in their planning.



Participants in the PaNOSC Jupyter workshop (photo credits: icalepcs19)

WP9 / WP5 – Neutron & X-Ray Laboratory (VINYL)
WP8 - Training

PaNOSC @Panosc_eu · Jul 16

#SaveTheDate and register now to the HDF5 European Workshop for #Science and #Industry organized by @esrfsynchrotron and @hdf5 on 17-18 September in Grenoble

Call for abstracts open until 23 August
Deadline for registration: 2 September

More info >>bit.ly/2YQLIKK
#EOSC

CERIC-ERIC and 9 others

10 8

Published 21st May 2019

The ESRF welcomed the 1st OASYS School

14-16 May 2019, Grenoble – France

Researchers and engineers from eight light sources in Europe and the Americas have met at the ESRF for the first OASYS School, a hands-on meeting to modelling synchrotron beamlines using OASYS (ORange SYnchrotron Suite). This user-friendly graphical environment developed by Luca Rebuffi and Manuel Sanchez del Rio incorporate well know tools such as SHADOW and SRW, among others.

PaNOSC
@Panosc_eu

The training material from the 1st PaNOSC OASYS School is available online >> bit.ly/2VPhJ33 << The school focused on modelling #synchrotron beamlines using OASYS (ORange SYnchrotron Suite), a user-friendly graphical environment incorporating tools such as SHADOW and SRW

Latest posters and Publications

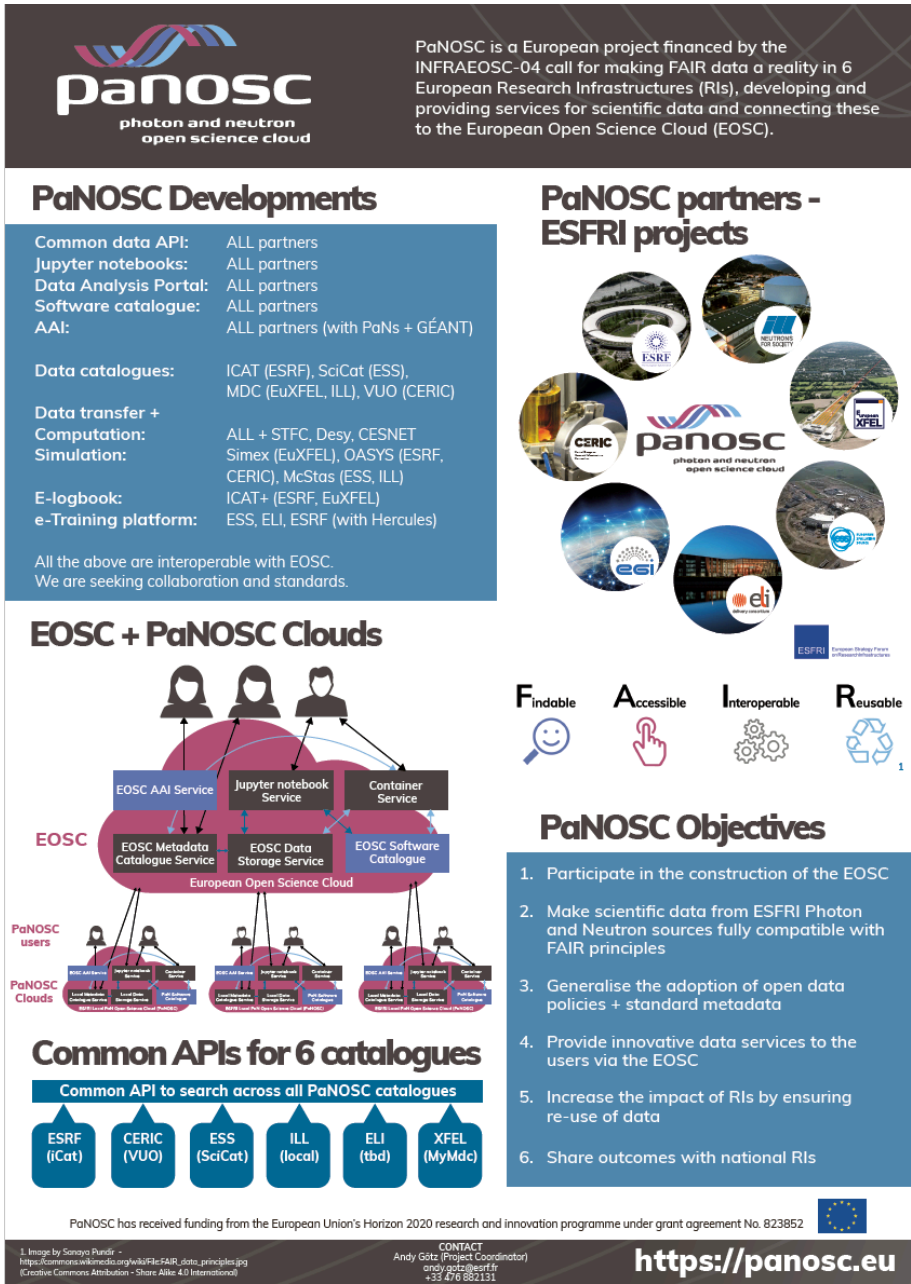
Publication accepted at ICALEPCS19:

ENABLING OPEN SCIENCE FOR PHOTON AND NEUTRON SOURCES*

A. Götz, J. Bodera Sempere, A. Campbell, A. de Maria, M. del Rio,
R. Dimper, J. Kieffer, A.Solé, T. Vincent, ESRF, Grenoble, France
S. Caunt, J. Hall, J. F. Perrin, ILL, Grenoble, France
N. Carboni, A.Hafner, R. Pugliese, CERIC-ERIC, Trieste, Italy
M. Bertelsen, T. H. Rod, T. S. Richter, J. Taylor, ESS, Copenhagen, Denmark
J. C. E, H. Fangohr, C. Fortmann-Grote, T. Kluyver, R. Rosca, EuXFEL, Schenefeld, Germany
F. Gliksohn, L. Schrettner, ELI-DC, Brussels, Belgium

Table of content:

PaNOSC poster for the joint EOSC project meeting (Brussels, 9-10.9.2019)



CHALLENGE:

Build and engage with a **pan-European COMMUNITY of PaN Open Data users**

Be a major player in steering the movement towards the philosophy and practice of Open Data

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Proposed action / for further discussion

An action has been identified, jointly with ExPaNDS, to better target the SCIENTIFIC COMMUNITY, by widely attending and presenting PaNOSC at **user meetings** at PaN facilities to:

- Present PaNOSC and introduce FAIR data benefits for research
- Collect users' feedback about their understanding of and expectations from the EOSC;
- Find use cases and disseminate them, in the different fields of application;
- Inform users about the availability of new services for their science, and their use;
- Bring the science at the core of the communication, to make the EOSC interesting for the wider scientific community;
- Build a network of PaN users acting as EOSC testimonials (and future trainers) >> could be those trained in the frame of WP8 workshops for the staff (?)

#SaveTheDate / Meet the Community

LEAPS Annual Meeting
18-20 November 2019
@ Paul Scherrer Institute – PSI Switzerland

EOSC Symposium
26-28 November 2019
Budapest, Hungary

EOSC coordination day
after EOSC Symposium

ESOF 2020
July 2020
Trieste, Italy

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Thank you for your attention

Follow us on Twitter for further updates

@panosc_eu

PaNOSC annual meeting hashtag

#meetPaNOSC19

For inputs, suggestions, comments, proposals to improve WP9 activity, please write to:

nicoletta.carboni@ceric-eric.eu

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