

Minutes INFRAEOSC-05 meeting

Date: 22-23.08.2018 @SOLEIL

<https://indico.psi.ch/conferenceDisplay.py?confId=6693> (all the presentations are available on the timetable page)

Meeting agenda:

<u>Wednesday 22 nd of August</u>		
09:00	Welcome SOLEIL	Brigitte Gagey
09:10	Recapitulation on call text of INFRAEOSC-5	Mirjam van Daalen
09:30	Outcome of last meeting at DESY	Volker Gülzow
10:30	Coffee break	
11:00	Information on EOSC pilot	Brian Matthews
11:30	Role of LEAPS WG3	Mark Heron
12:00	Interest in participation of the different facilities	All
	15 Minutes each	
13:00	<i>Lunch</i>	
14:00	Interest in participation of the different facilities	All
	15 Minutes each	
15:30	Relation to and complementarity with PaNOSC	Andy Goetz
16:00	Coffee break	
15:30	Discussion on next steps and topics for proposal	Guifré Cuní
18:00	<i>Finishing of the first day</i>	
<u>Thursday 23 rd of August</u>		
09:00	Work Packages first restitution - WG	All
10:30	<i>Coffee break</i>	
	Definition of the core writing group for the proposal	Volker Gülzow
11:00	/Time planning and wrap up of the meeting	Mirjam van Daalen
12:00	<i>End of meeting</i>	

Participants:

APLIN, Steve	DESY
CUNI, Guifre	ALBA Synchrotron
FILIK, Jacob	Diamond Light Source
FINKE, Ants	HZB
GAGEY, Brigitte	Synchrotron SOLEIL
GUELZOW, Volker	DESY
GUIMARD, Nazaré	Synchrotron SOLEIL
GOETZ, Andy	ESRF
HERON, Mark	Diamond Light Source
MANN, Gerd	Paul Scherrer Institute
MATTHEWS, Brian	STFC
OUNSY, Majid	Synchrotron SOLEIL
SCHLUENZEN, Frank	DESY
VAN DAALEN, Mirjam	Paul Scherrer Institute

A. Recapitulation on call text of INFRAEOSC-5

Speaker: Dr. Mirjam van Daalen (Paul Scherrer Institut)
Slides available

Targeted call: INFRAEOSC-5 (b): Coordination of EOSC-relevant national initiatives across Europe and support to prospective EOSC service providers - Research and Innovation Actions → 5-6M€ per proposal, **DEADLINE: 21/11/2018**

INFRAEOSC-5 Call text:

- <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/infraeosc-05-2018-2019.html>
- PAGE 23: http://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-infrastructures_en.pdf

Mirjam reminds the objectives of the call INFRAEOSC-5b (setup the EOSC governance) with the last modification made by EC

Objectives of the call (in red last modifications since the call presentation in March):

- **Support the coordination, convergence and federation of EOSC-relevant national initiatives for open research data and services**, through the development of common practical tools and mechanisms (~~including development of human skills and capital~~) which enable, promote and further the compliance of research practices with open data policies. **The aim is, on the one hand, to support the gradual alignment of policies and practices of EOSC-relevant national and/or thematic initiatives to EOSC standards and, on the other hand, to enable EOSC-relevant, noncommercial services to be accessed through the EOSC portal.**
- **Support activities of existing and future EOSC service providers** to ensure their long-term sustainability, their role within the EOSC and the accessibility of their services through the EOSC hub, according to established rules and standards.
- **Only initiatives and services of wide European interest and at appropriate maturity level, and which are not addresses by INFRAEOSC-04-2018 by other topics under this call, should be considered.**
- The successful proposals will also be called to interact closely among themselves and with the EOSC coordination structure (see sub-topic a).
- **In particular, they should support the EOSC coordination structure in assessing the level of interoperability and organisational readiness of the involved EOSC service providers.**
- **Proposals will exploit synergies with grants resulting from other topics of this call and will build on and complement related work on the EOSC hub undertaken by projects resulting from EINFRA-12-2017 topic, to facilitate the development and adoption of common rules and best practices for harmonising the delivery and take-up of the EOSC core functions, supporting interoperability with other EOSC services, and enabling cost efficiency. Building on the activities supported by sub-topic (c), successful proposals should enable the mainstreaming of standards for data management and of certification schemes for data repositories, and all relevant supporting activities (e.g. technical, organisational and legal training and capacity**

building); it should also develop and promote incentives for the uptake of FAIR data practices across national scientific communities.

- Proposals should involve **real user communities and research infrastructures** in the testing and fine-tuning of the solutions proposed.

Comments/questions:

- *the changes in the call text will give more freedom to write the proposal*
- *proposal should involve real user communities and RI in the testing and fine-tuning of the solution proposed: good complementarity with PaNOSC proposal*
- *23 November 2018 in Vienna: EOSC council event*
- *The proposal should be written under the umbrella of LEAPS for the national Photon facilities and in addition for the national Neutron facilities.*
- *The proposal has to show strong synergies with PaNOSC coordinated by ESRF (INFRAEOSC-4) and EINFRA-12-2017 funded projects:*
 - *EOSC hub: https://cordis.europa.eu/project/rcn/216096_en.html and <https://www.eosc-hub.eu/>*
 - *OpenAire advance : https://cordis.europa.eu/project/rcn/212961_en.html and <https://www.openaire.eu/advance>*

B. Outcome of last meeting at DESY

Speaker: Dr. Volker Gülzow (DESY)

The minutes of 2018-05-03, DESY are available

Volker presents PaNOSC methodology (extract from PaNOSC project):

1. **Use the expertise of the experienced partners in the cluster** (ILL, ESRF, XFEL.EU) who have implemented solutions **for data management and stewardship** at TRL8 and TRL9 levels to bring the other partners (ELI, CERIC-ERIC and ESS) up to the same level
2. **Generalise data policies and stewardship at all partner sites** so that the data and metadata can be curated and archived and be made open (after an embargo period)
3. **Standardise metadata by following community standards like NeXus**. Enhance existing standards where necessary via the community decision making procedure for doing so.
4. **Federate all metadata catalogs** so they can be searched from one portal and harvested by the EOSC portals (OpenAIRE-Advance and EUDAT)
5. **Implement innovative data services based on Jupyter notebooks and desktop applications** as TRL9 services which can be run locally at each partner site (for datasets too big to transport) and on the EOSC
6. **Fully integrate these services into the EOSC** as part of the EOSC applications portal and use the EOSC compute resources reserved for PaNOSC
7. **Develop with GÉANT a federated Authentication and Authorization Infrastructure (AAI) solution** compatible with the EOSC and the PaN community solution UmbrellaId which allows users to access the services and data
8. Make the current TRL8 innovative services for **doing simulation and modelling available locally and on the EOSC** at TRL9.
9. **Share the results with the photon and neutron community** via multimedia material, deliverables and workshops for data stewards

10. **Provide training and training material for staff and users** on how to use the data services and for data stewardship
11. **Provide a business plan** on how to sustain the services in the EOSC and locally

Federating users is an issue

Questions/comments:

- ➔ *We have to find topics which make us complementary to PaNOSC. We also need to federate resources. PaNOSC will start in 2019 for 4 years. National RIs would be as “observers”. Andy Götz (ESRF, PaNOSC project coordinator) will give more details on PaNOSC project afterwards.*
- ➔ *PaNOSC will be mentioned in the proposal: jointly forces to develop services, data management and processes activities, European wide cloud solutions, To build better established services to local sites*
- ➔ *A support letter from PaNOSC consortium is mandatory*

C. Information on EOSC pilot

Speaker: Dr. Brian Matthews (STFC)

Slides available

Brian presents the EOSC pilot: <https://eoscpilot.eu/>

- EOSC will provide a trusted environment with free open and seamless services
 - o 10M€ for 2 years (jan 2017-dec 2018)
 - o 33 partners + 15 3rd parties
- Aims of EOSC pilot:
 - o Propose a governance framework for the EOSC
 - o Develop a number of demonstrators
 - o Engage with a broad range of stakeholders
- EOSC resource model = services + data + people
- A service must be registered in EOSC service catalogue
- 5 pre-selected demonstrators
- Alignment with other projects:
 - o 2018 :
 - EOSC-hub <https://www.eosc-hub.eu/> ,
 - Openaire advance <https://www.openaire.eu/advance> ,
 - FREYA <https://www.project-freya.eu/en/about/mission> ,
 - Research data alliance (RDA) <https://www.rd-alliance.org/>
 - AARC: <https://aarc-project.eu/>
 - o 2019 onwards: INFRAEOSC 1 -6, Thematic clouds, HLEG on EOSC <https://ec.europa.eu/research/openscience/index.cfm?pg=open-science-cloud-hleg> , Events: EOSC pilot stakeholders forum: November 21-22 2018 <https://eoscpilot.eu/events/second-eoscpilot-stakeholders-forum>

D. LEAPS WG3 to INFRAEOSC-05 Planning Meeting

Speaker: Dr. Mark Heron (DIAMOND)

Slides available

Mark presents the ongoing LEAPS-IT on-going actions

CAUTION: This is not the definitive work of LEAPS

- LEAPS is a consortium of 13 SR and 6 FEL
- LEAPS is well received by the commission: Robert Jan Smith was present at the launch event in Nov 2017
- **6 LEAP-IT WG (WG3) subgroups:**
 - o WG 3.1 Developing Governance and Common Policies
 - o WG 3.2 Open Data Policy for Open Science
 - o WG 3.3 High Speed Data Acquisition
 - o WG 3.4 Common Data Analysis and Reduction Software
 - o WG 3.5 Federate Data Catalogue
 - o WG 3.6 Generalise the Use Of Cloud Services
- **7 Pilot projects** (still working on it):
 - o P3.1: Development of governance collaborative working
 - Management of the pilot developments.
 - Establish and promote inter-facility working through face-to-face meetings.
 - o P3.2: Computing and software schools to train staff, and scientists.
 - o P3.3: Promotion of a FAIR open data policy.
 - o P3.4: Undertake pilot software developments as precursors to the main phase
 - Example a remote data browsing and visualization service for HDF5 files).
 - o P3.5: Deliver a pilot framework for combined experiment simulation and data analysis following reproducible computational science practice.
 - o P3.6: Build up a pilot demonstrating remote data analysis and data management based on EOSC services.
 - o P3.7: Establish a pilot for a common metadata catalogue and distributed data storage and archive

Questions/comments:

- ➔ *We need to identify if LEAPS-IT pilots projects could fit in the proposal, showing value in working together*
- ➔ *Mark: service to the users → having a catalogue available with tools, different layers of support to be provided to users (help in data analysis,...)?*
- ➔ *Mark: inject ideas in the following landscape: EOSC – LEAPS – PaNOSC, photon science, neutron science, open science, EU commission (insights), INFRAEOSC. We need to have the following “themes “in our mind*

The governance might depend on the topics

E. Interest in participation of the different facilities

All participants

Slides available for most partners

Partner	Interest
SOLEIL	<p>Interest in any topic related to those we have to develop or set up for the next steps (see slide next steps of the SOLEIL welcome presentation). More specifically interested in:</p> <ul style="list-style-type: none"> - Promoting/enabling FAIR data : <ul style="list-style-type: none"> • Metadata: standardization, automatic capture tools, ... • On-line data catalog: currently looking for ICAT and SciCat, but open to other solutions • Common DMP template(s) • Etc. - Distributed computing on private and public clouds including HPC, containerized applications, etc. - Possible uses of AI methods and new "Data science" tools: machine learning, methods to filter and analyze big data, data reuse considering that we cannot probably store all the data but only reduced data or extractions of raw data, - Coordination interactions: with other initiatives/structures (LEAPS, EOSC, national agencies...), with users representatives/communities, ...
STFC	<ul style="list-style-type: none"> - Data management and publication: continued development of ICAT, scaling, richer metadata, federating search across facilities, working with SiCat - Cloud and data analysis: data analysis as a service, integrating across cloud services, Mantid as VRE, SciML as an evolving theme in SCD - EOSC policy and data publication: updating the data policy, deepen and extend the use of DOIs/ORCIDs - Integrating national services with the EOSC - Involvement in the EOSC development: governance and competency centres
DESY	<ul style="list-style-type: none"> - Federated clouds is a key issue: Data clouds , shared clouds - HPC for analysis: systems,... there is a FAIR installation at Hamburg - Analysis methods, visualization - Basic services - Quick access, making tools available, analysis as a service, how to provide the techniques to the users - Need to involve the more experienced users
ALBA	<ul style="list-style-type: none"> - Current status: automatic data processing, metadata, MX - New project on Data management project (jul 2018): 4 branches: storage and data acquisition + data reduction, data catalogue and metadata, data analysis as a service, general data management strategy - Better user experience with data analysis as a service - Improve data acquisition, reduction, workflows... - Data catalogue and HPC
HZB	<p>2 fields of interest:</p> <ul style="list-style-type: none"> - Data catalogue and metadata: generic workflow from experiment to ICAT and to automate them, Quality insurance of metadata. Next step is to develop profiles of the metadata (data to be used) - Scientific software: simulation tools
PSI	<ul style="list-style-type: none"> - Data curation: operationalization of data policy for use of IT resources, best practices and templates for data management plans - Demand forecast - Reference architectures: what should be out of the cloud (because scalable, cheaper, etc) - Off-site data analysis: catalogue of services that can/should be part of EOSC - HPC on demand/cloud services

DIAMOND	<ul style="list-style-type: none"> - Databases standards: how to identify “standard samples”? - Simulation storage - Full experiment data + metadata that's FAIR - SuRVoS - Deep learning pilot projects - How to use existing infra + data to improve further experiments? - To explore the usage of “cloud” technologies, cloud feasibility studies
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Questions/comments:

- ➔ *Mark: Common environment in which we can deploy applications? How to encourage that? What environment? What is it like? How to define a path to get there? Ex: CCP4*
- ➔ *Gerd: Moving from local resources to high throughput solutions.*
- ➔ *What about the participation of the other facilities? Mirjam: They were all invited. FELIX, INFN ... but no response. The timing is not the best. Plan on how to deal with them? Would they participate? Important to involve them.*
- ➔ *Could be of interest to have EGI, GEANT in the proposal, could make to proposal more solid. They showed interest. To be discussed afterwards*

F. Relation to and complementarity with PaNOSC

Speaker: Andy Götz (ESRF, PaNOSC coordinator)

Slides available

- **PaNOSC: Photon and Neutron Open Science Cloud**
 - Partners : ESRF, ILL, XFEL.EU, ESS, CERIC-ERIC, ELI, EGI
 - Collaborations: GÉANT, EUDAT, national Ris
 - Linked 3rd Parties: DESY, STFC
 - Budget : 12 M€
 - Start Date : 01/01/2019 for 4 years
 - Decision : Accepted on 13/08/2018
 - Status : preparing Grant Agreement
- Objectives:
 - **For Photon and Neutron (PaN) sources on the ESFRI roadmap :**
 - Generalise data management complying to the FAIR principles to provide Open Data
 - Provide data analysis and simulation services for local and remote users to make maximum use of their data
 - Integrate PaN data catalogues and services into the EOSC with help of the e-Infrastructures (EGI, GEANT, EUDAT)
 - **For national RIs PaNs**
 - Share policies and solutions of PaNOSC (e.g. catalogues, data analysis + simulation services) with national RIs
 - Strive to have common approaches, policies and solutions for data management
- **PaNOSC IS NOT:**
 - ➔ **For Photon and Neutron (PaN) sources on the ESFRI roadmap :**
 - NOT Providing all resources for data management
 - NOT Implementing all PaN data analysis and simulation services
 - ➔ **For PaNs which are national RIs**

- NOT Providing resources or infrastructure for implementing FAIR data management and integrating the EOSC
- ➔ **Bottom line**
 - National RIs should apply for additional funds to implement FAIR data management, integrating data services, developing missing data services + integrating EOSC
- PaNOSC wants to have 100% FAIR data – FAIR data-Open Access/Functionally linked
 - better use data from PaN sources for all users (no-expert to expert)
 - Create a new class of virtual users of Open Data from PaN with EOSC
- PaNOSC Work Packages:
 - *WP1 – Management*
 - *WP2 – Data policy and stewardship*
 - *WP3 – Data catalogue services*
 - *WP4 – Data analysis services*
 - *WP5 – Virtual Neutron and X-ray lab*
 - *WP6 – EOSC integration*
 - *WP7 – Sustainability*
 - *WP8 – User training*
 - *WP9 – Outreach*

Topic	Actions	PaNOSC and national RIs collaboration ideas
Data policies	<ul style="list-style-type: none"> - Updated data policy framework, - common guidelines, - implementing DPM template 	<ul style="list-style-type: none"> - to adapt and adopt PaNOSC open data policy, - to implement long term archiving and DOIs, - to adopt DMP template Collaboration with clusters, to produce common strategy papers.
Data + Metadata	<ul style="list-style-type: none"> - to adopt Nexus as a standard - common guidelines: to define new metadata standards, to share metadata catalogues, to collect metadata - store data in HDF5 with Nexus conventions 	<ul style="list-style-type: none"> - To adopt NeXus, collect metadata - To contribute to NeXus definition - To generalize the use of HDF5 + tools eg web browser
Data Catalogues	<ul style="list-style-type: none"> - Development of an API to allow federation of metadata catalogues and exposure of metadata relevant for the area. - Provisioning Federated Search 	<ul style="list-style-type: none"> - Contribute to and adopt common cross-site API - Port and deploy common API on top of local catalogues - Share solutions for catalogues e.g. ICAT, SciCat, ISPYB, ...
Data Analysis Services	<ul style="list-style-type: none"> - Web remote desktop based analysis services: Provide generic solution for analysis software - Web notebook based analysis services - Integration into EOSC service portfolio - Moving from single facility to EOSC scope 	<ul style="list-style-type: none"> - Develop new data analysis services - Deploy common data services e.g. Jupyter, VMs
Simulation Services	<ul style="list-style-type: none"> - Expose source, beamlines optics and scattering simulations as cloud services - Expose simulation data services in data analysis frameworks (via Jupyter notebooks or remote desktop solutions). - Integration into EOSC service portfolio 	<ul style="list-style-type: none"> - Deploy PaNOSC simulation services (OASYS, VYNIL) - Develop new simulation services e.g. for specific scientific domains like MX, Spectroscopy, CDI, ...

Support & Training	<ul style="list-style-type: none"> - Integrated technical and scientific Helpdesk (support to data scientists) - E-learning platform (à la e-neutrons) - Staff training in data stewardship - Participate in scientific schools (Hercules) to promote FAIR principles and introduce the use of EOSC services 	<ul style="list-style-type: none"> - Adopt e-learning platform and develop training - Participate in training for data management and software development e.g. as part of Hercules
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Questions/comments

- ➔ *Andy: there is no contradiction between the proposal to be submitted and PaNOSC, in term of data management, there is no overlap. PaNOSC is very general, but there are no resources for the national facilities. Doing on one site does not mean it will be done on the other sites. We need local effort.*
- ➔ *PaNOSC addresses the ESFRIs in EOSC, we can take aspects of PaNOSC to deploy services for national RIs. No “copy-paste”.*
- ➔ *PaNOSC will provide a letter explaining what is complementary to PaNOSC actions. We could also include a table in the proposal showing overlap and complementarity with PaNOSC.*

G. Discussion on next steps and topics for proposal

Chairman: Dr. Guifré Cuni (ALBA)

- Linking national RIs to EOSC is the main objective
- A list of the WP has to be set to figure out in which direction we want to go
- Identify all the partners for this call → To send them an email at the end of the meeting to invite them to join the consortium
- Should somebody contact the commission? The problem is who to contact: Ute Krell (DESY) was asked, to write to a generic email address → Mirjam will send an email to Philippe Froissart to have more information on the contact point
- EOSC council? With national delegates? An executive board is in place. Should be a list. The first person to contact is the commission officer. Could be also Philippe Froissart.
- Network of data scientists? This idea was initially mentioned during the first meeting in Hamburg. Guifré/Gerd: the idea would be to build a network of data managers at the facilities (to enhance communication).
- Generic or more specific topics? Too specific topic can be dangerous
- We would have less WP comparing to PaNOSC (6M€ targeted)

Here is the list of WP (to be discussed):

- WP1: Management and sustainability (LEAPS, RDA, EOSC governance, ...)
- WP2: EOSC data analysis services for EU PaN National RIs
- WP 3: EOSC data catalogue services for EU PaN National Ris
- WP 4: Enabling FAIR data for EU National facilities
 - Make data policies operational
 - Competence centres
 - FAIR data guidance OPEN research data for PaNs
- WP 5: Training and outreach

H. Work Packages first restitution

→ 4 sub-groups worked on first ideas for WP2, WP3, and WP4

Work Package	Description and tasks
<p>WP2: EOSC data analysis services for EU PaN National RIs (Steve)</p>	<ul style="list-style-type: none"> - Applying the policies and the practices of EOSC; - The EOSC HUB will lie at the center of numerous compute and data centers - PaNOSC exists with similar services that will be developed - Workflow deployment - Ultimately the service delivered will be the ability to run workflows against the other services. To evaluate the ability to run these workflows we need to look at what the existing and planned services are. <ul style="list-style-type: none"> → <i>Task2.1: Evaluation</i> → <i>Task2.2: Demonstration Workflows</i> → <i>Task2.3: Workflow definition and integration. Take data analysis and put the result somewhere</i> → <i>Task2.4: Commercial tools and users (commercial users use of non-commercial services). What EOSC can do for commercial users?</i> → <i>Task 2.5: Users interface</i> → <i>Task 2.6: Software and environment provision (incl. software analysis)</i> → <i>Task 2.7: Integration of the services (EOSC, PANOS, RIs services)</i>
<p>WP 3: EOSC data catalogue services for EU PaN National Ris (Gerd)</p>	<p>Proposal should involve real user's communities and infrastructure is very important for our proposal. Data catalogues have to meet PaNOSC. We will use it and work on idea. The danger is the sentence "at a property maturity level. We can't have a 4 year lag between ESFRI and National Infrastructures.</p> <ul style="list-style-type: none"> → <i>Task3.1: Coordinate catalogue service for national PaN facilities</i> → <i>Task3.2: API to integrate different catalogues: cooperate and coordinate with PaNOSC</i> → <i>Task3.3: Development metadata catalogues for the main modalities used in photon and neutron science: define a set of modalities, define metadata for these modalities, clarify catalogues</i> → <i>Task3.4: Catalogue service integration</i> → <i>Task3.5: Training, deployment and user support : create training plan and material, train and deploy solution, ensure sustainability support and operations in context with EOSC</i>
<p>WP 4: Enabling data FAIR (Brian)</p>	<ul style="list-style-type: none"> → <i>Task 4.1: Alignment of policies and practices of EOSC relevant national and/or thematic initiatives for EOSC standards</i> <ul style="list-style-type: none"> ○ <i>policy – review and revise</i> ○ <i>IPR and data licensing, commercial data, sensitive data – recommendation</i> ○ <i>DMP template</i> → <i>Task 4.2: The mainstream of standards for data management</i> <ul style="list-style-type: none"> ○ <i>Recommendations of metadata schemes: findable – compatible with generic EOSC catalogues; accessible for cross searching across facilities</i> ○ <i>Metadata capture: electronic logbooks, within the data lifecycle user office, and data acquisition; reusable: provenance, instruments, software, samples</i> ○ <i>Data standards: HDF5/NeXus, common metadata profile</i> ○ <i>Persistent identifiers</i> → <i>Task 4.3: Certification schemes for data repositories</i> → <i>Task 4.4: Develop and Promote incentives for the uptake of the FAIR data practices</i> <p><i>Coll. With GoFair, EOSC-Hub, RDA, FREYA, OPenAire, INFRAEOSC-5, PaNOSC</i></p>

	<p>Car Park:</p> <ul style="list-style-type: none"> - Evolution, training and adoption of standards for federal services and interoperability at all levels, as indicated in the EU Interoperability Framework? - Service catalogue? - Replicate the agreement with GEANT for AAI in this project - Close collaboration with ICT-21-2019 projects
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I. Definition of the core writing group for the proposal /Time planning and wrap up of the meeting

Chairs: Dr. Volker Gülzow (DESY) and Dr. Mirjam Van Daalen (PSI)

INFRAEOSC-5b PROPOSAL SUMMARY:

- Acronym: **ExPaNDs (EOSC Photon and Neutron Data Services)**
- Expected budget: 6M€
- Expected duration: 4 years
- Partners who expressed interest (and that are present): PSI, DESY, STFC, HZB, DIAMOND, SOLEIL, ALBA
- Other partners from the national PaN facilities were contacted but no response. The following minutes will be sent for information.

CALL DEADLINE: 21/11/2018

- All participants (present at the meeting) confirmed their interest to participate to ExPANDs proposal
- PSI and DESY will coordinate the proposal setup
- Further contacts:
 - o Mirjam and Volker will contact the other participant ready to participate
 - o Contacts to Brussels → Philippe Froissart was the contact point for PaNOSC
- Mirjam will send a mailing list to be completed
- **Contact point for DESY cloud for setting meetings, google docs, etc: Knut Sander**
- Next step: Reshape and rearrange tasks, send the minutes to the other partners, building a table with overlap and complementary topics with the PaNOSC proposal, an advanced version of the proposal should be ready by end of October
- Meetings:
 - o Telcos will be set every week: Wednesdays 3-4 PM CET
Next Telco on September 5, 3-4 PM CET (to be confirmed)
 - o 2 face-to-face meetings will be organised: beginning October + end October (could be before LEAPS meeting 20-21 september @SEPTEMBER: 19? → to be confirmed)
 - o Mirjam will organize a meeting with Philippe Froissart @ Brussels: Mirjam, Volker, Mark