



PaNOSC Mentoring of OSCARS projects



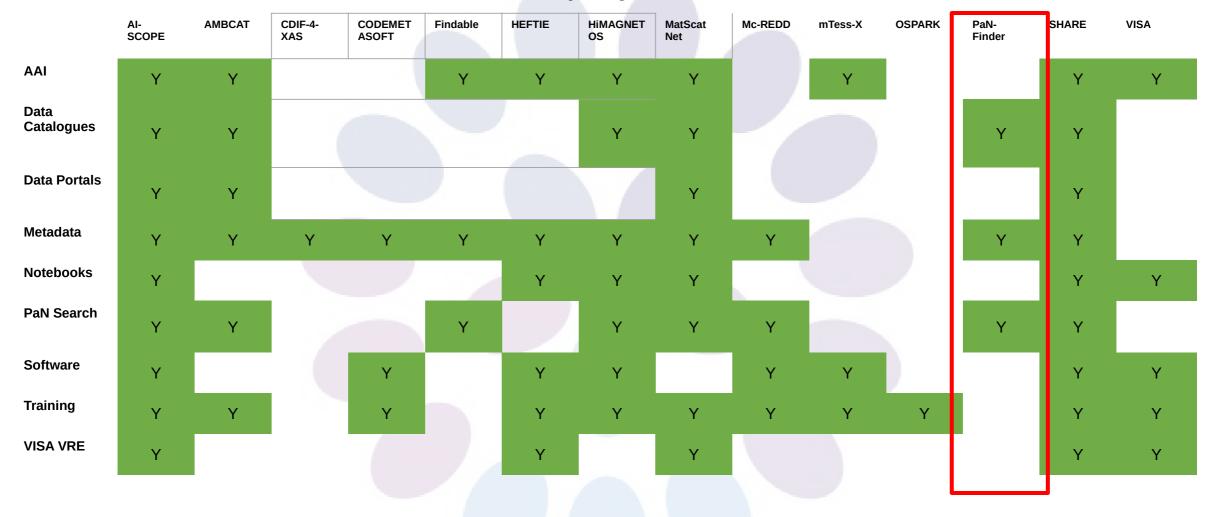
PaNOSC OSCARS can provide expertise and guidance for the PaNOSC outcomes (cf. https://leaps-wg3.desy.de/outcomes.html):

- AAI user authentication and authorisation i.e. login identity
- Data Catalogues SciCat and Icat and other catalogues
- Data Portals Domain specific portals + generic portals
- Metadata NeXus, Sample and ontologies
- Notebooks Jupyter notebooks
- PaN Search searching for PaN data via the data.esrf.fr and other portals
- Software developing, versioning, packaging and deploying software
- Training training material platform
- **VISA VRE** virtual research environment

PaNOSC Mentoring of OSCARS projects



PaNOSC OSCARS Partners have identified the following overlap between the PaNOSC OSCARS projects and the PaNOSC outcomes:





PSI

What is PaN-Finder?

Develop an AI assisted prompt based search system

- Harvest publicly available data and related metadata
- Curate corpus with the assistance of AI tools
- Leverage AI tools to:
 - understand the users' requests
 - enhance searches
 - provide meaningful responses

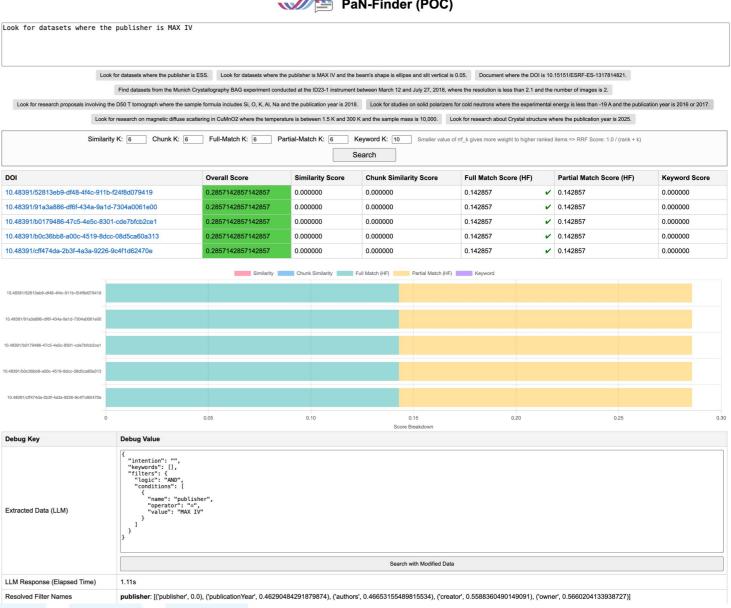


Desired support from the PaNOSC cluster for your project.





Status of the PaN-Finder project?





Are the dependencies on the PaNOSC outcomes identified in the previous slide correct?

The dependencies identified are correct.

Data Catalogues

Metadata

PaN Search



Please elaborate, which PANOSC outcomes have you managed to adopt?

1.Data Catalogues

PaN Finder retrieve its data directly from each individual facility data catalogue leveraging the PaNOSC API.

2.Metadata

PaN Finder can utilize the techniques included in PaNET to enhance its search capabilities

3.PaN Search

PaN Finder will be integrated in the current PaNOSC Data Portal



Please discuss the PaNOSC outcomes do you need help in:

1. Data Catalogues

Expand the information retrievable through the PaNOSC API or OAI-PMH protocol, so PaN Finder can operate on more data.

2. Metadata

Expand PaNET with additional definitions, synonyms and keywords that can be used to expand search functionalities in PaN Finder.

3. PaN Search

Design a user interface to enhance user experience and collect user feedback

Contribution to Photon & Neutron Research Infrastructures



Describe how your project's developments contribute to the needs and challenges of the photon and neutron community.

1.PaNOSC single search portal

The PaN Finder project aims to become the single search portal for all the open data of the PaNOSC community.

2.Intuitive and Flexible search

Find data in an intuitive and flexible way with minimal knowledge of the variety present across facilities.

3.Data/Metadata trends

Discover trends in the data and metadata fostering the creation of data curation best practices and meaningful feedback on each facility's data

Strategies on sustainability of the project results.



How will you encourage users to adopt your solutions? Are there any partnerships, funding plans, or integration efforts that will help sustain the outcomes beyond the project's duration?

Adoption and visibility will be fostered by:

- 1.integrating the PaN Finder in the current PaNOSC Data Portal.
- 2.integrating the PaNOSC Data Portal into the PaNOSC EOSC Node.
- 3.transfer all PaNOSC open data searches from each facility to the common portal

