



PaNOSC Closing Event

Paving the way towards the PaN FAIR Data Commons

29-30 November 2022

Grenoble - France

What PaNOSC changed for us

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29/11/2022



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

CERIC-ERIC

The consortium

- ❖ Labs in 8 Countries
- ❖ Research in all fields of materials
- ❖ **Single entry point** to over 60 instruments and techniques at
 - **TU Graz** - Light scattering - Graz (Austria) and Trieste (Italy)
 - **Charles University** - Surface analysis - Prague (Czech Republic) and Trieste (Italy)
 - **Budapest Neutron Centre** - Neutrons - Budapest (Hungary)
 - **Elettra** - Synchrotron Light - Trieste (Italy)
 - **Solaris** - Synchrotron Light - Krakow (Poland)
 - **National Institute of Materials Physics** - Electron microscopy and EPR - Magurele (Romania)
 - **National Institute of Chemistry** - NMR - Ljubljana (Slovenia)
 - **Ruđer Bošković Institute** - Ion beams - Zagreb (Croatia)



OUTLINE

- ❖ Data Policy and DMP Strategy
- ❖ Metadata Catalogue
- ❖ DOIs
- ❖ FAIR Services
- ❖ EOSC Interfaces

DATA POLICY and DMP STRATEGY

Common scientific data supporting our scientists and partner facilities

❖ CERIC Scientific Data Policy developed and approved

- Implement and standardize data lifecycle
- Define new data operations to support science: stewardship and custodianship

❖ Data Management Plan

- Allowing us to introduce and promote FAIR to our users and partners facilities
- Documenting the data lifecycle is challenging, we are aiming at developing a DMP framework to support our partner facilities
- Data Stewardship Wizard to standardise the DMP

CERIC-ERIC - DSW

Projects

Search projects... Updated ↑ Template Users Create

2 20220401-DMP DMP bot · CERIC ERIC - Data Management Plan - Knowledge Model, 0.0.8 (ceric.eric:dmp:0... Updated 8 days ago

2 20220376-DMP DMP bot · CERIC ERIC - Data Management Plan - Knowledge Model, 0.0.8 (ceric.eric:dmp:0... Updated 8 days ago

2 20220364-DMP DMP bot · CERIC ERIC - Data Management Plan - Knowledge Model, 0.0.8 (ceric.eric:dmp:0... Updated 8 days ago

2 20220363-DMP DMP bot · CERIC ERIC - Data Management Plan - Knowledge Model, 0.0.8 (ceric.eric:dmp:0... Updated 8 days ago

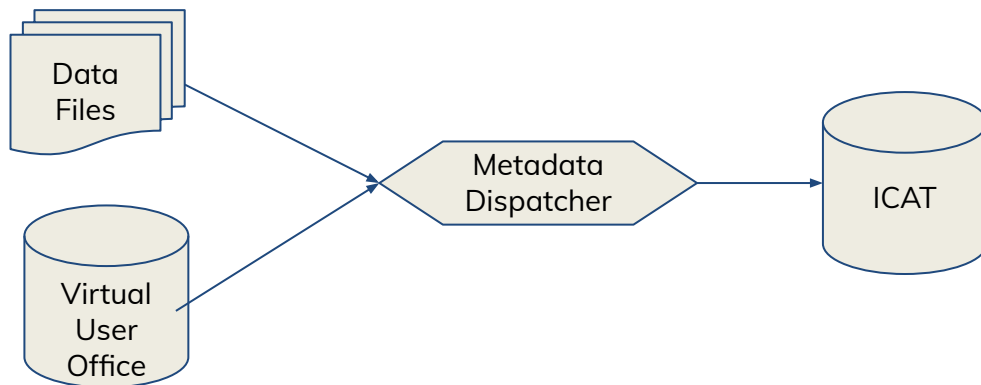
2 20220360-DMP DMP bot · CERIC ERIC - Data Management Plan - Knowledge Model, 0.0.8 (ceric.eric:dmp:0... Updated 8 days ago

DSW - <https://dsw.ceric-eric.eu>

METADATA CATALOGUE



- ❖ ICAT adoption
- ❖ Community: STFC, ESRF, HZB, ALBA, DLS
- ❖ Ready for EOSC
- ❖ Metadata ingestion



[Authorize](#)

Investigation ^

[GET](#) `/investigations` Read Investigations v

Ingestion ^

[GET](#) `/ingestions` Read Ingestions v

[POST](#) `/ingestions` Create Ingestion v

[GET](#) `/ingestions/{ingestion_id}` Read Ingestion v

[DELETE](#) `/ingestions/{ingestion_id}` Delete Ingestion v

[PUT](#) `/ingestions/{ingestion_id}/start` Start Ingestion v

[PUT](#) `/ingestion/{ingestion_id}/stop` Stop Ingestion v

DIGITAL OBJECTS IDENTIFIERS

DOIs minting for traceable data and science

- ❖ FAIR purpose
- ❖ Minting DOI for investigations
- ❖ DataCite DOI provider
- ❖ CERIC repository 10.34967
<https://search.datacite.org/repositories/eta.ceric>

DataCite Search Works People Repositories

CERIC-ERIC

ETA.CERIC

Search for work

2 Works

20202213
Willi Wagner
Investigation published via CERIC-ERIC
This is an addition to Fast-track Proposal #20202210 (SISSI/AFM), please process the proposals combined. COVID-19 related project in conjunction with structural lung architecture investigations at SYRMEP Beamline (EuBi beam time 31.08.20-08.09.2020).

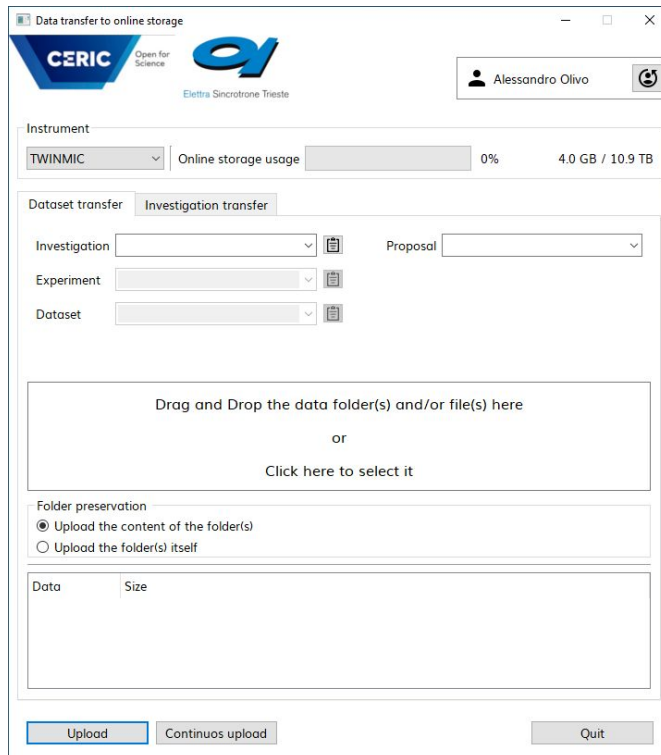
No citations were reported. No usage information was reported.

<https://doi.org/10.34967/i8163> Quote Cite

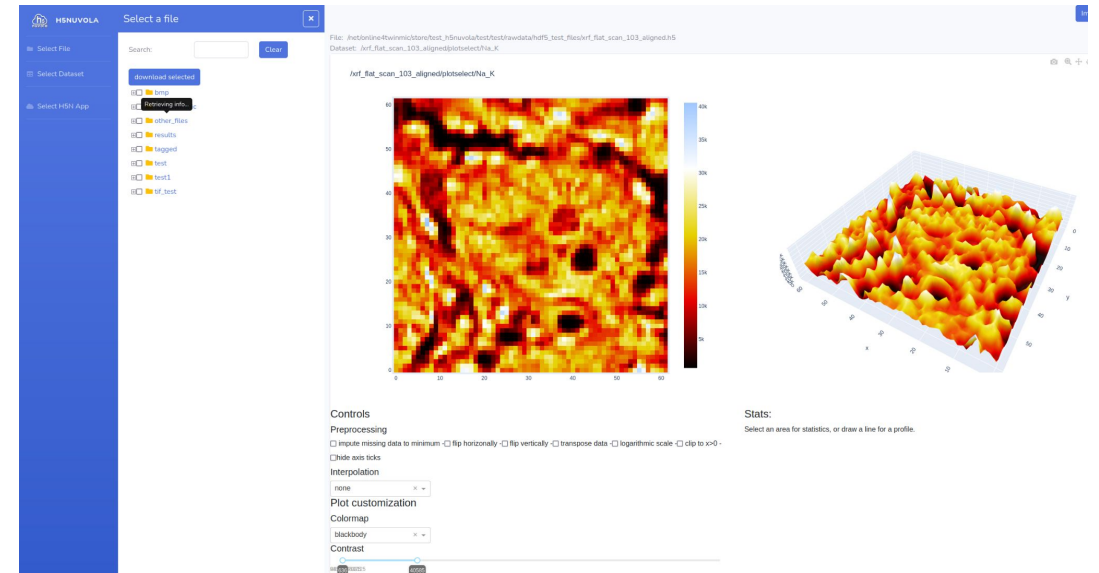
20182174
Mitja Denac
Investigation published via CERIC-ERIC

FAIR SERVICES

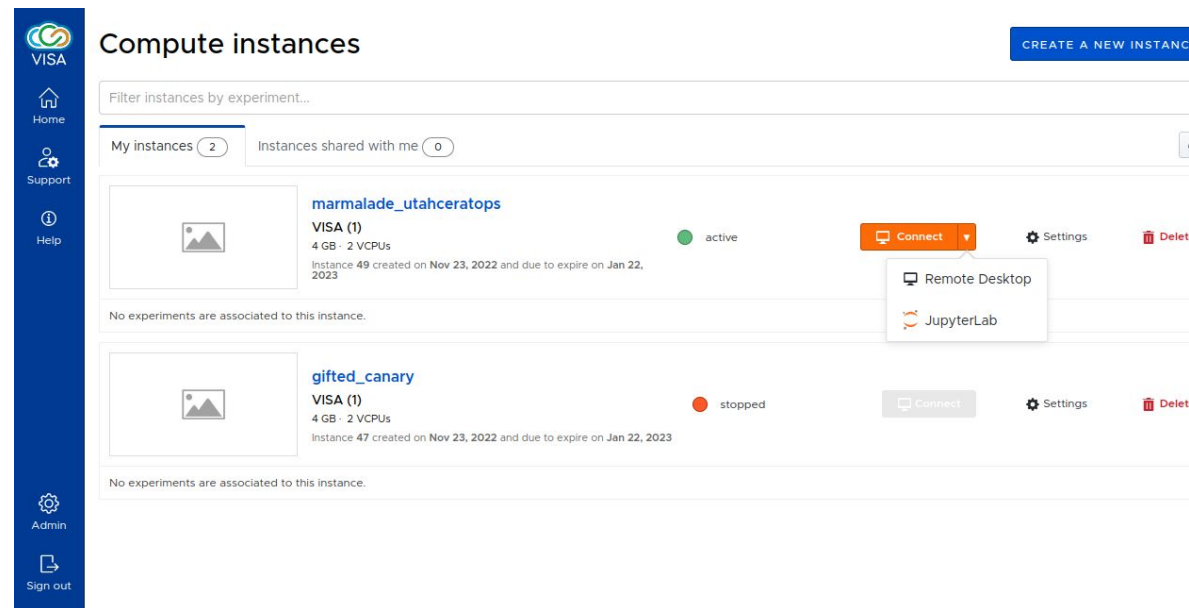
More services for **users** and **scientific staff**, supporting EOSC



DataUploader (based on RClone)



H5nuvola



VISA - <https://visa.ceric-eric.eu>



EOSC INTERFACES

Connecting CERIC with **EOSC** and other scientific communities

❖ OAI-PMH

➤ Endpoint: <https://data.ceric-eric.eu/oaipmh/request?verb=Identify>

➤ Registrations:

■ **re3data** <https://www.re3data.org/repository/r3d100013179>

■ **OpenAIRE**

<https://explore.openaire.eu/search/dataprovider?datasourceId=re3data::e79f66fcea0a894d66ecff3da5e52311>

■ **B2FIND** <https://b2find.eudat.eu/organization/ceric>

❖ **PaNOSC search-API** <https://data.ceric-eric.eu/search-api/>



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Thank you

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