



LEAPS

League of European
Accelerator-based
Photon Sources

DOI Direct Data Access

Paul Millar

WG3 lead

Background

- It comes (in part) from ideas from ExPaNDS, PaNOSC and EOSC-Future.
 - ExPaNDS/PaNOSC → public/reference datasets being registered in catalogues and assigned a DOI. DOIs are globally unique, persistent identifiers.
 - EOSC-Future → one “science project” involved prototyping a European central PaN analysis facility. This requires copying data in order to analyse it.
- Can we combine these two ideas?
 - Use a DOI to identify **WHICH** dataset is to be analysed, and use the DOI to identify **HOW** to obtain the files in the dataset.
- Currently, there’s no widely adopted standard approach here.
 - There are a handful of ideas, though.
- DESY, ESRF and PSI are investigating this, through EOSC-Future

Current work

- DESY, ESRF and PSI (with ILL somewhat interested) are investigating how to acquire (== download) the files of a dataset, if you know the DOI.
 - We're looking for a solution that is **NOT** PaN-specific, to allow for a broader adoption.
 - This is taking place within the context of EOSC-Future, in adopting core services: the EOSC Transfer Service.
 - We have an initial document that describes the problem, the benefits from adopting a solution, and makes a concrete proposal how to solve the problem.
- Are there other facilities who are interested in participating in this discussion?