

EUROPEAN  
PLASMA RESEARCH  
ACCELERATOR WITH  
EXCELLENCE IN  
APPLICATIONS



# WP7 – E-needs and Data Policy

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EuPRAXIA PP kick-off meeting



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- **EuPRAXIA RI data**

- Several 1000's users (multidisciplinary and geographically distributed)
- Estimate 1000 access units/year
  - 1 unit corresponds to 12 hours of data taking
  - Compatible with with the experience at high-power laser RIs and RF-based photon science facilities
- Up to 200 PB data/year produced in experiments (require online analysis)
- Long term storage capability of 2.6 PB / year
- Up to 132 TB/year exchange capability over the network

- **Simulation effort**

- Estimate 60 million core/hours / year

- **Focus on**

- Establishing access to external data networks, archives, HPC and HTC needed for the full exploitation of the research data produced.
- Developing a data management plan ensuring EuPRAXIA research data is findable, accessible, interoperable and reusable (FAIR), as well as ensuring data preservation and compliance with data protection legislation

- **Objectives**

- Define E-Needs and Data Policy
- Connect to ongoing integrating projects in EU
- Connect to funding sources
- (If possible) involve European Open Science Cloud (EOSC)



**EUROPEAN OPEN  
SCIENCE CLOUD**

- **Description of Work**

- **T8.1** - Benchmarking of E-Needs of similar facility and infrastructure in Europe.
- **T8.2** - Integrate the EuPRAXIA E-needs and requirements for data policy into the European Facility landscape. In particular this task will be connected with user and access strategy work packages.
- **T8.3** - Finalize the E-needs and data policy for the EuPRAXIA distributed facility and excellence centres in the EOSC framework.

- **Milestones**

- **MS18** - Benchmark within existing facilities on e-needs and data policy (M16)

- **Deliverables**

- **D7.1** - Data management plan (M12)
- **D7.2** - Report integration into European facility landscape and standards (M30)
- **D7.3** - Final report E-Needs and Data Policy (M42)

- **Staff effort**

- INFN / Italy co-lead (6 PM)
- IST / Portugal lead (30 PM)
- EMPA / Switzerland (24 PM)

- **Connection to other WP**

- WP5 – User strategy and services
- WP8 – Theory & Simulation

