EuPRAXIA

Preparatory Phase

WP7 E-needs and Data Policy

Ricardo Fonseca (IST/Portugal) for WP7

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

- **Connection to other WP**
  - WP5 – User strategy and services
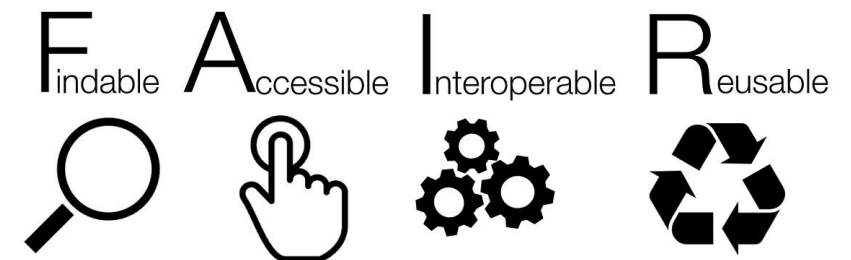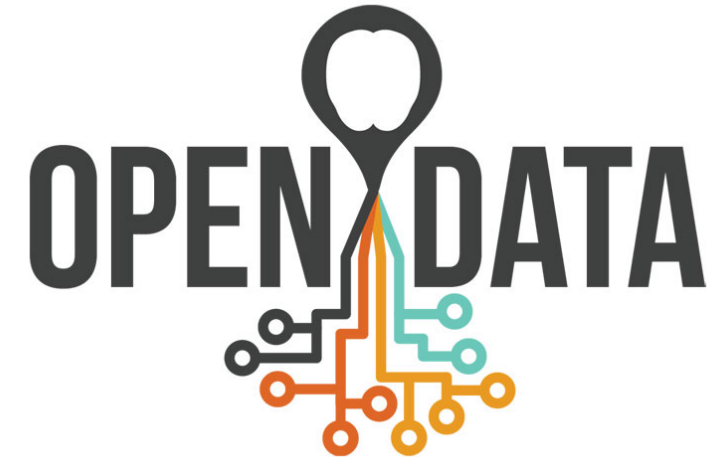 - WP8 – Theory & Simulation

- **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)

- **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

- **Project Tasks**

  - **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.

- **Coordination by IST / Portugal**
  - Joined the project after proposal approval

- **Most work coordinated by email / online meetings**
  - Team is very small

- **Coordination with other Work Packages**
  - EuPRAXIA meetings / workshops
  - Specialized meetings

- **No workshops or additional activities planned**

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

- ## **Milestones**
  - **MS18** - Benchmark within existing facilities on e-needs and data policy (M16) [completed]

Deliverables
Report

EuPRAXIA PP
Grant Number 101079773
DELIVERABLE: WP7-DVL7.1

- **Due date**
  - Delivered M12

- **Description**
  - A report will be produced together with WP1 that describes the plan and the tools for managing the data that is generated in the EuPRAXIA-PP project. The EuPRAXIA data management shall allow for efficient collaboration and documentation among the institutes and organisations involved, at the technical, financial and planning levels.

- **Operation phase DMP**
  - Initial version of the DMP for the EuPRAXIA operation phase
  - Based on the Horizon Europe DMP template
  - Document will be reviewed regularly as other parts of EuPRAXIA project come to fruition
  - Reinforces EuPRAXIA commitment to Open Science and publishing research data according to FAIR principles

Horizon Europe

Data Management Plan Template

Version 1.0
05 May 2021

- **Due date**
  - Delivered M16

- **Description**
  - Report benchmarking within existing facilities on E- needs and data policy. Summarizes the work done by the WP surveying the landscape of research facilities that operate comparable sources and/or perform similar activities to the future EuPRAXIA sites.

- **Due date**
  - Delivered M30

- **Description**
  - The existing European e-data structures and tools are analysed with respect to the needs of the EuPRAXIA-RI, when it enters full user operation. The basic EuPRAXIA e-data strategy and its alignment with the existing landscape is proposed.

Deliverables
Report

EuPRAXIA PP
Grant Number 101079773
DELIVERABLE: WP7-DLV7.2

- **Main EU data initiatives**
  - European Open-Science Cloud (EOSC)
  - EuroHPC Joint Undertaking (EuroHPC JU)
  - GÉANT Network
  - *Also EGI (former European Grid Infrastructure), EUDAT (European Data Infrastructure) and OpenAire (Open Access Infrastructure for Research in Europe)*

- **Proposed EuPRAXIA e-data strategy**
  - Implement an Open-Science data policy
  - Develop a Data management infrastructure
  - Establish a collaboration with a trusted repository
  - Establish collaborations with HPC/HTC data centers for Data processing
  - Ensure adequate network interconnectivity

- **Due date**
  - M42 – in progress

- **Description**
  - The e-needs and plans for the acquisition, handling, processing and storage of EuPRAXIA data are described. The distributed nature of the facility, its various types of users and data exchange needs are taken into account, as well as long term storage and the FAIR policy. Structures are defined at institutional, regional, national and European levels.

- **Plans for deliverable**
  - Prepare a Data Policy proposal based on the PaNOSC data policy Framework
    - To be coordinated with the access policy for EuPRAXIA sites
  - Prepare a conceptual design of e-infrastructre
    - Connection with trusted repositories required
    - Will depend on the instruments / beamlines
  - Review the data management plan with input from all relevant WP
    - Re-inforce compliance with FAIR principles

- **WP7 is progressing according to schedule**
  - All deliverables were submitted on schedule
  - Minor delay on Milestone report, work is back on schedule
  - Work on final deliverable is progressing according to plan

- **EuPRAXIA continues committed to Open-Science**
  - Open-Science and FAIR data remain as relevant as when the project started
  - Fully implementing FAIR data principles will require significant effort during operational phase