



EISCAT_3D Agile Data Competence Centre

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Community background and maturity

- EISCAT – European Incoherent Scatter
 - Mainland
 - UHF 1981-
 - VHF 1985-
 - HF 1980-
 - Svalbard
 - ESR1 1995-
 - ESR2 1999-
 - EISCAT_3D
 - Will replace UHF/VHF
 - FP6, FP7, h2020 projects
 - Implementation started 2017 (85% of Stage1 budget, 56M€)
 - ESFRI roadmap 2008-2018
 - Landmark 2018?

Community background and maturity

- EGI Engage CC
 - EGI core services integrated in the portal
 - dirac.egi.eu backend
 - VOMS authorization for community groups
 - Perun user enrollment
 - Infrastructures currently used
 - EISCAT storage system
 - EGI Fedcloud
 - Bug and requirements tracking system
 - rt.egi.eu
 - Datamodel
- EUDAT Pilot
 - Workflow
 - B2SHARE metadata schemas
 - Community specific schema for EISCAT
 - Collect information on sources for the metadata
 - landing page(s) for L2 data
 - Created B2SHARE entries
 - Harvest B2FIND to enable search by time and location
- ENVRI+ AARC2 NEIC

What we want to setup, test, demonstrate

- deploy and integrate necessary tools, services and infrastructures
 - Data management and processing
- DIRAC interware
 - integration component
 - a single access point towards e-Infrastructures
- EUDAT's B2 services
 - unify the data management
 - discovery system across different storages
 - storage access management
- EGI and INDIGO services
 - deploying the software stack on HPC/HTC systems including release management
- provide secondary services for production operation
 - user authentication and access control

Members, roles, effort, external partnerships

Member acronym	Role in the CC	Effort
EISCAT	Leader Data/UseCase provider	23+3(WP11)
CPPM/CNRS	Developer	17
CSC	Developer	13

Required services

- Common
 - WP6.1 Discovery and access
 - WP6.2 Federated computing (Cloud and HTC grid)
 - WP6.4 Data and metadata
 - WP6.6 Sensitive data
- Federated
 - WP5.1 AAI
 - WP5.3 Operational Support
 - WP5.4 Monitoring service
 - WP5.6 Collaborative services (VM Catalogue)
- Capacity
 - from the CC member (EISCAT)
 - from external providers (EGI Marketplace)

Expected CC outputs

- M8.1 Architecture plan [M6]
 - Document of portal and storage services and analysis workflows
- M8.2 Portal is open for early adopters [M9]
 - Portal available and 3-5 early adopters registered
- Portal service integrated with e-infrastructure service [M18]
 - Portal with e-infra services deployed at CSC
 - Documentation for maintainers
- Documentation and Users Guide [M24]
 - Description of portal, including comprehensive users guide

Open questions

- Access
 - Members in Far East
- Resources
 - Fed vs Own
- Training
 - E3D means a change in use
 - FAIR