EOSC-Hub WP8 CC for EISCAT 3D

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EOSC Week 2019

EISCAT 3D project

- Three radar sites of 9919 antenna elements
  - One transmitter site
  - Two receiver sites
- Most procurements ready
  - First articles during early summer
- Site computing design going on
- Site construction starting
- First data expected during 2021

EOSC CC

- User portal for EISCAT 3D
  - Continuation of EGI-Engage CC
  - EISCAT HQ: Legacy radar data (some 80 TB)
  - IN2P3: DIRAC interware from LHCb
  - CSC: Cloud computing

DIRAC

- Storage element with existing data
- File catalogue population
  - ► file path
  - ► metadata (experiment owner)
- Authentication
  - ► EGI Checkin
  - ► QQ login in progress

Computing

- CSC cPouta cloud project (PI I. I. Virtanen, U Oulu)
  - ▸ OpenStack cloud, dedicated VM started
- DIRAC job submission
  - ▸ Script starting Docker container on VM

To do

- User portal to CSC?
- Test more compute jobs
- Add more login options
- File and metadata formats and catalogues
- Find test users