

# EISCAT\_3D data archive and access requirements

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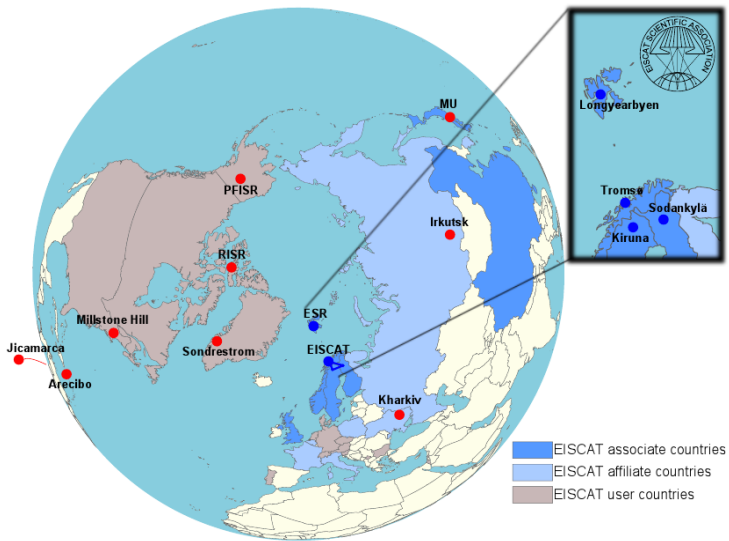
NeIC 2017, Umeå 20170529



- Originally European Incoherent Scatter Scientific Association
- International organisation based in Kiruna
- Member institutes in six countries
- **Three incoherent scatter radars**
- Ionosonde
- Ionospheric heater

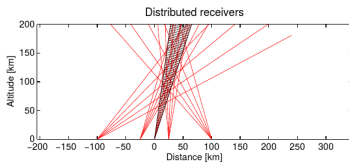
<http://www.eiscat.se>

# EISCAT in the world



Map Anders Tjulin

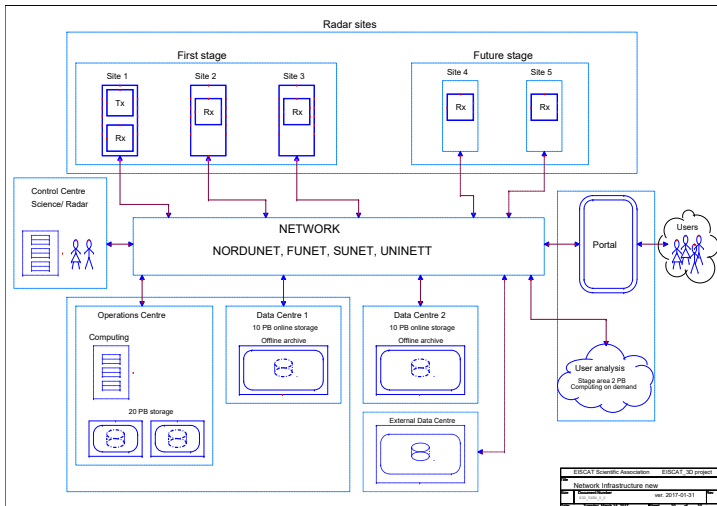
# Future: EISCAT\_3D



$\times 91 \times 109$



# EISCAT\_3D e-infrastructure



- 2 PB per year in in the initial phase
- >2 redundant archives
- Min 10 PB online
- Authentication / authorization
  - ▶ User IDs
  - ▶ Data embargo rules
- User portal for analysis and download
  - ▶ Computing on demand, sites or HPC
  - ▶ Prototype built on DIRAC