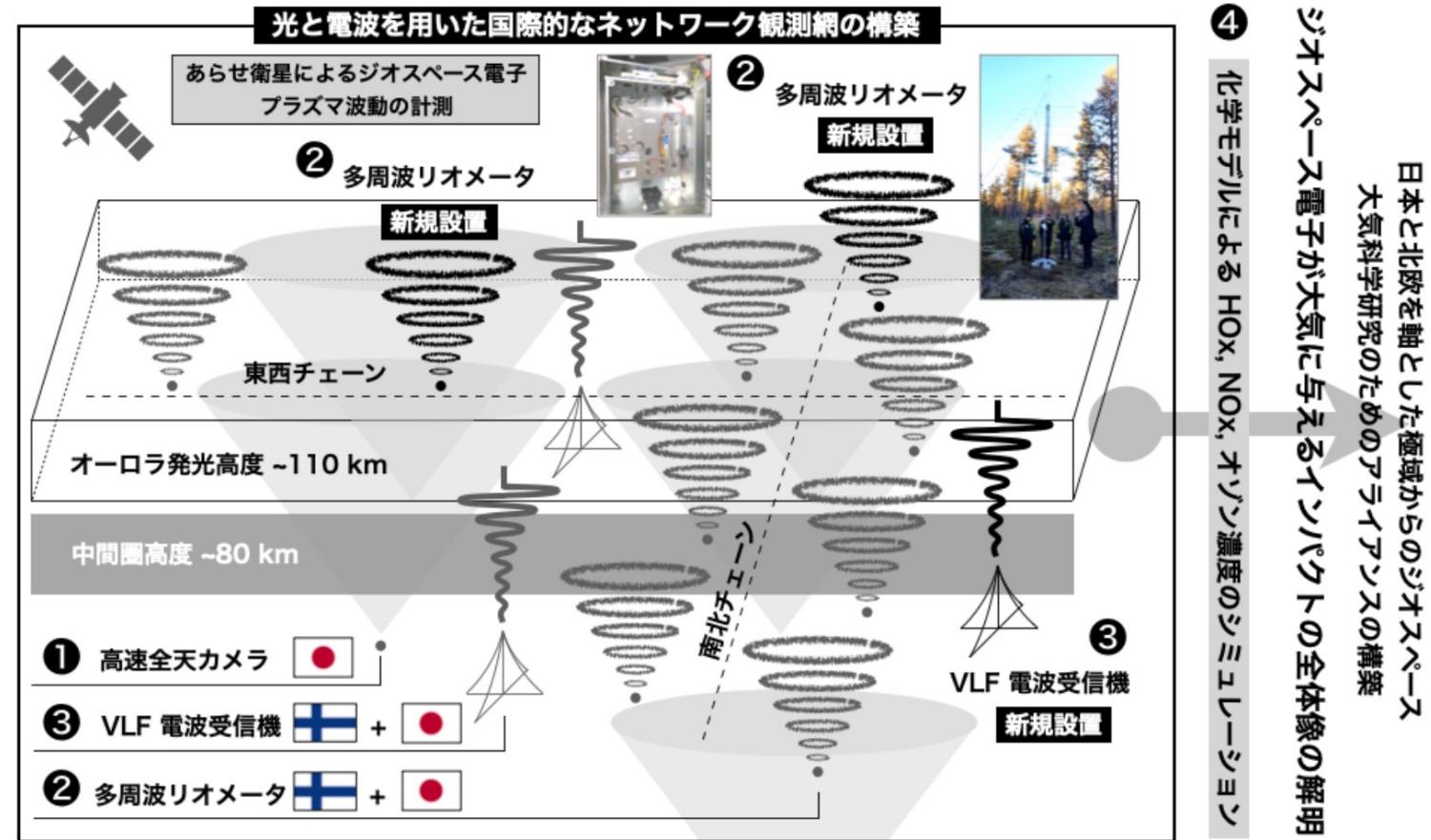


# 2D visualization of EPP – 5 years funding since FY2021

- Funding category of JSPS: promotion of international collaborative research
- Purpose: visualize the spatial distribution of Energetic Particle Precipitation (EPP)
- Project member:
  - Lead: Keisuke Hosokawa @ UEC
  - Shin Oyama @ ISEE, Nagoya U.
  - Claudia Martinez @ ISEE, Nagoya U.
  - Yoshimasa Tanaka @ NIPR
  - Antti Kero @ SGO**
- Join the existing network of SGO by deploying
  - 2 spectral riometers
  - 1 VLF receiverin Fennoscandia



# Two riometers + one VLF receiver: possible locations

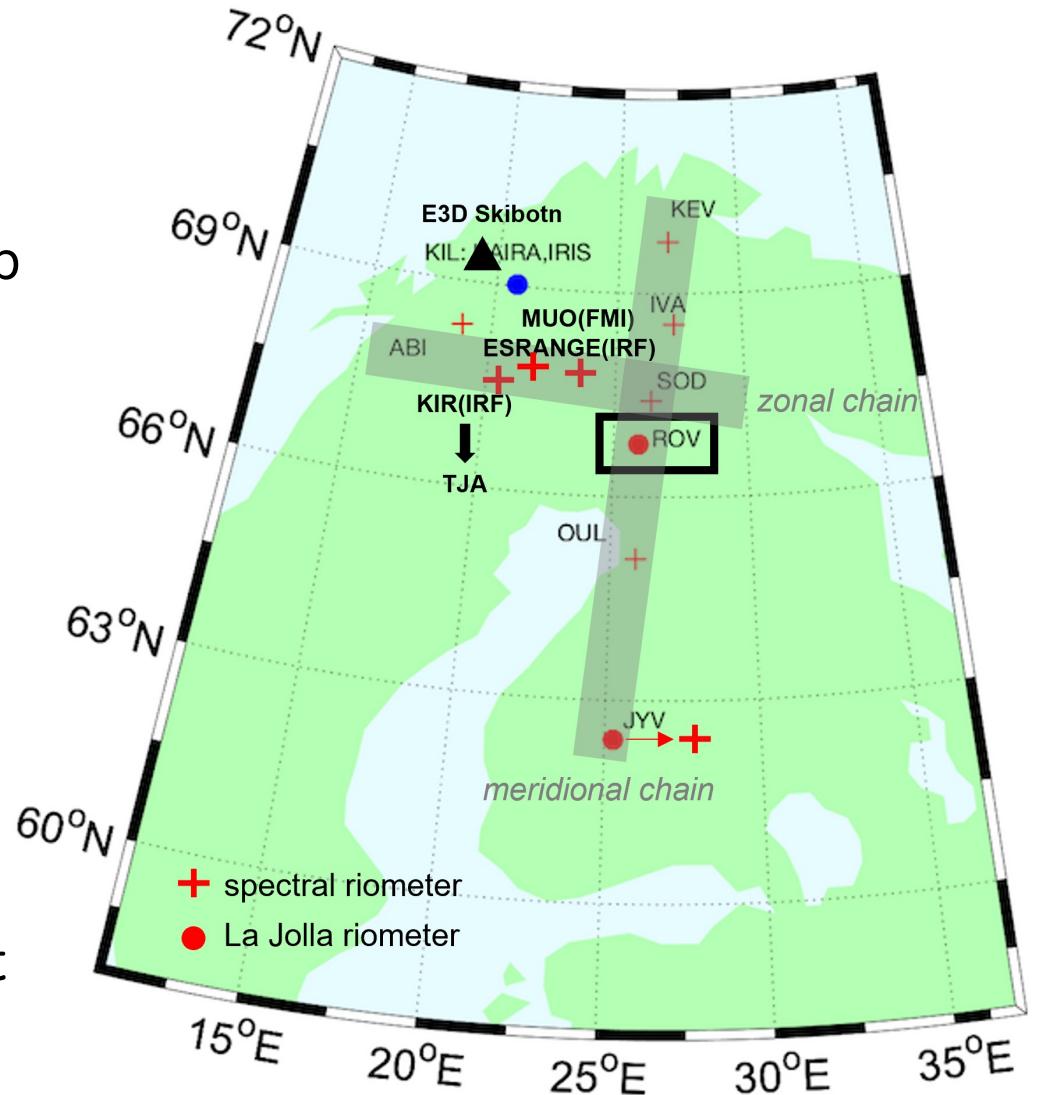
## Two spectral riometers:

- Lead: Shin Oyama with Antti Kero
- One will go to Rovaniemi (ROV) to fill the existing gap between SOD and OUL
- The location of the other one is TBD

Let us discuss with the NOM colleagues where to go

## VLF receiver:

- Lead: Claudia Martinez with Jyrki Manninen
- The receiver will go to OUL after noise measurement
- Earliest installation is summer of 2022



# Timeline and milestones

- All the three instruments should be operative before the first light of EISCAT\_3D

