

Funding Package

The available funding provides:

- Radar observing time (nominally 24 hours but more can be granted if a strong enough scientific case is put forward).
- Assistance with experiment planning, preparation and execution.
- Assistance with data analysis and preparation for publication.
- Travel to EISCAT, accommodation and subsistence for one week.
- We particularly encourage applications that preferentially make use of the mainland systems.

Eligible Countries

Researchers working in the following countries* are eligible for funding:

Austria	Iceland	Poland
Belgium	Ireland	Portugal
Bulgaria	Israel	Romania
Cyprus	Italy	Slovak Republic
Croatia	Latvia	Slovenia
Czech Republic	Liechtenstein	Spain
Denmark	Lithuania	Switzerland
Estonia	luxembourg	Turkey
Greece	Malta	
Hungary	Netherlands	

* List correct at time of going to print but is subject to change under EU legislation.

Application and Selection Procedure

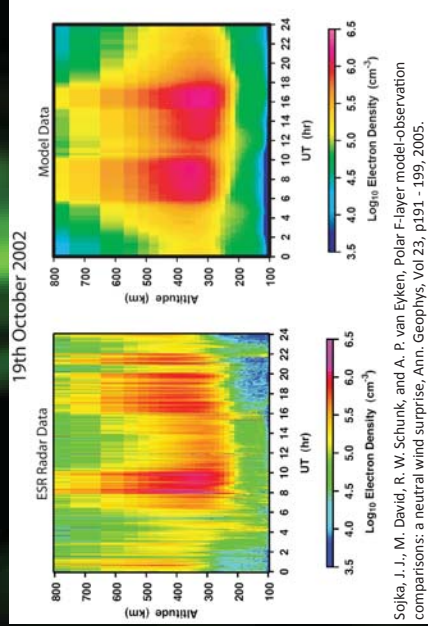
- All applications will be peer reviewed.
- There are 2 deadlines per year for submittal, in the spring and autumn.
- For further informatin on the application procedure and funding please contact:

Dr. Lisa Baddeley

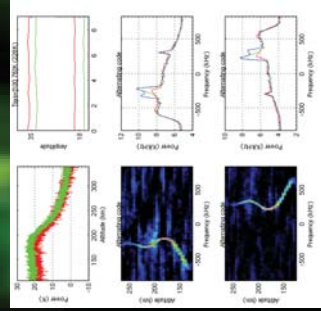
e-mail: Lisa.Baddeley@eiscat.se

or go to:

<https://e7.eiscat.se/TransNationalAccess>

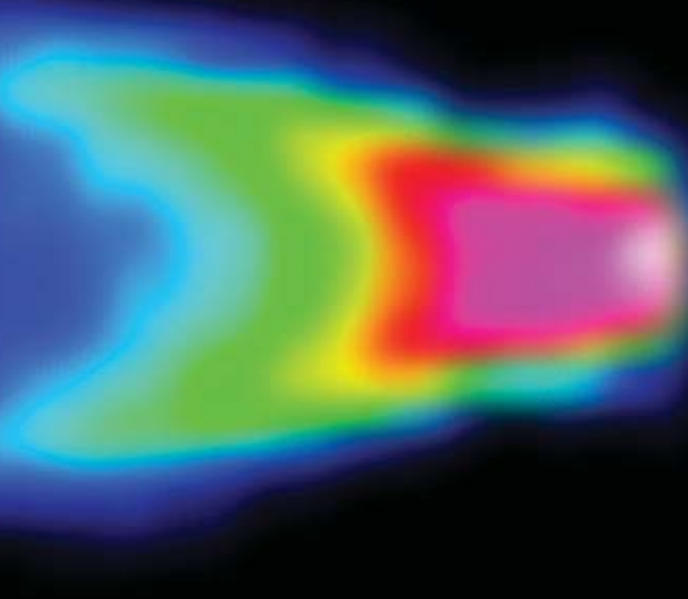


Sofka, J. J., M. David, R. W. Schunk, and A. P. van Eyken, Polar F-layer model-observation comparisons: a neutral wind surprise, *Ann. Geophys.*, Vol 23, p191 - 199, 2005.



2007 © Martin Langfeger

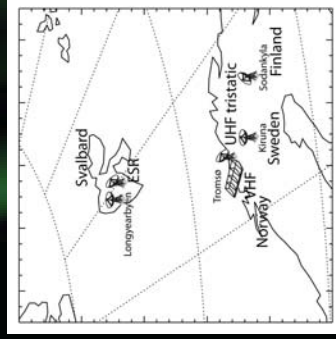
Trans National Access Program: Funding Opportunities for Full Access to the European Incoherent Scatter (EISCAT) Association Facilities



State of the Art Scientific Facilities

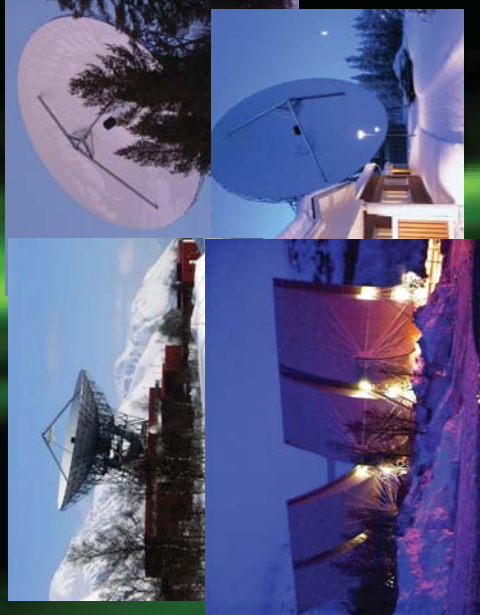
The EISCAT system comprises 4 major installations:

- 3 incoherent radar systems and
- 1 ionospheric modification facility located around the auroral and polar cap region in northern Scandinavia:



Mainland Scandinavia

- UHF 32m diameter fully steerable antenna.
- Tri-static UHF receiver system; unique in the world.



- VHF 40x120m parabolic antenna.
- Ionospheric modification facility, 1 of only 3 in the world.
- Near-by instruments include:
 - optical instruments
 - LIDAR facilities
 - ground magnetometers
 - 2 major rocket launching facilities



Svalbard

- UHF 32m diameter fully steerable antenna.
- UHF 42m diameter fixed field aligned antenna.



- Interferometric modes also available using both dishes simultaneously.

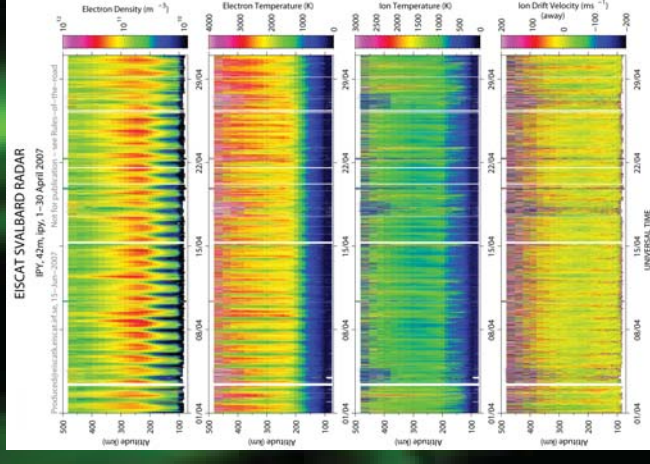
World Class Scientific Research

EISCAT currently supports a large active community of scientists and students with more than 80 successfully defended PhD's.

- EISCAT data has been used in more than 1600 papers.
- Current scientific interests cover a wide range of subject areas such as:
 - atmospheric physics
 - ionospheric physics
 - magnetospheric physics
 - auroral physics
 - ionospheric modification
 - radio astronomy
 - radar astronomy of near Earth bodies
- The facility is a world leader in:
 - signal processing
 - radar coding
 - signal inversion problems
- Proposals for new research topics are also encouraged.

Data Products**

- Complete ionospheric profiles available from 50 - ~ 2500 km altitude.
- Spatial resolution of 10s meters achievable.
- Multi-second temporal resolution available.
- Real time data available on-line.
- Fully analysed data using in house code available within a few hours from the end of the experiment.
- Special data handling and distribution possible.
- On-site science, technical and engineering support available.
- Standard ionospheric parameters obtained:
 - electron density
 - electron temperature
 - ion temperature
 - line of sight ion drift velocity
- Full vector velocity can be measured using the tri-static system.



** Profiles, temporal and spatial resolution dependant on experiment mode and ambient ionospheric conditions.