

EISCAT 3D Norway Newsletter

Newsletter Introduction

The newsletter will be released every 3 months and cover recent contributions and developments involving the Norwegian EISCAT 3D community. This can include new hires, new students, publications, updates on the radar commissioning, EISCAT 3D user meetings, etc. If you wish to be included in the mailing list for the newsletter distribution, please use the contact details at the bottom of the page.

Science Advisory Committee Meeting

There is an upcoming Science Advisory Committee meeting in October, 2021. Two items in relation to this:

1. If anyone has any issues regarding EISCAT they wish to be raised to the EISCAT management and/or international community
2. If anyone has any ongoing projects related to E-3D (research proposals which mention E-3D, new positions, new instrumentation in the E-3D field of view, etc.)

Then please email Lisa Baddeley (lisab@unis.no)

EISCAT Director Hire

An announcement of the new EISCAT director has been made. Welcome Dr. Axel Steuwer! For the announcement, please see (<https://eiscat.se/news/new-eiscat-director-selected/>).

EISCAT 3D User Software Group Meeting

An EISCAT 3D software development user meeting took place on September 14, 2021. For the topics discussed at the meeting, please see (https://www.space.irfu.se/workshops/EISCAT-3D_SW-2021_1/).

If you wish to participate in the EISCAT 3D software development group, please email: channelmaster@eiscat.se to be added to the EISCAT 3D Slack channel. The user group will develop software for the analysis and visualization of EISCAT 3D data.

GUISDAP 9.2

GUISDAP version 9.2 was released in March, 2021. For more information about the software release and its use for analyzing EISCAT data, follow this link: (<https://eiscat.se/scientist/user-documentation/guisdap/>).

New Hires Associated with EISCAT 3D Norway

Dr. Andres Spicher
Associate Professor
UiT The Arctic University of Norway

Dr. Devin Huyghebaert
Researcher
UiT The Arctic University of Norway

New Students with EISCAT 3D Norway

With the new school year brings new M.Sc. and Ph.D. students joining the Norwegian EISCAT 3D group. Please be sure to welcome any new students to the group! We look forward to following the contributions from these talented researchers.

UNIS Course Applications Open

Applications are open for the UNIS courses:

- AGF304/804: Radar Diagnostics of Space Plasmas (<https://www.unis.no/course/agf-304-radar-diagnostics-of-space-plasma/>)
- AGF301/801: Upper Polar Atmosphere (<https://www.unis.no/course/agf-301-the-upper-polar-atmosphere/>)

These are full semester Masters / PhD level courses and are open to any students currently on a Masters / PhD program, both at Norwegian Universities but also abroad. They have 15ECTS credits assigned to them and can be used as part of a PhD program at the mainland Universities. Both courses offer hands on fieldwork at the Kjell Henriksen Observatory and the EISCAT Svalbard Radar. Details about how to apply can be found by viewing the websites or sending an email to Lisa Baddeley (lisab@unis.no).

Publications

Some relatively recent publications regarding EISCAT 3D are listed below. If you have a publication that should be included in this list and is missing, please contact us and it will be included in the next issue!

Stamm, J., Vierinen, J., Urco, J. M., Gustavsson, B., and Chau, J. L.: Radar imaging with EISCAT 3D, *Ann. Geophys.*, 39, 119–134, <https://doi.org/10.5194/angeo-39-119-2021>, 2021.

Tveito, T., Vierinen, J., Gustavsson, B., and Narayanan, V. L.: Planetary radar science case for EISCAT 3D, *Ann. Geophys.*, 39, 427–438, <https://doi.org/10.5194/angeo-39-427-2021>, 2021.

Kastinen, D., Tveito, T., Vierinen, J., and Granvik, M.: Radar observability of near-Earth objects using EISCAT 3D, *Ann. Geophys.*, 38, 861–879, <https://doi.org/10.5194/angeo-38-861-2020>, 2020.

EISCAT 3D User Meetings

The next EISCAT 3D User meeting will be held in November, 2021.

Information about EISCAT and the EISCAT 3D User Meetings is distributed via the mailing list moderated by EISCAT. To subscribe, email listmaster@eiscat.se. A Slack account is also organized for EISCAT 3D Discussions. To receive an invitation for the Slack channels, email channelmaster@eiscat.se.

Questions, Suggestions, Changes?

The next newsletter will be released in December, 2021. If there are any questions about EISCAT 3D, suggestions for the format of this newsletter, or changes that should be implemented, please let us know with the contact information at the bottom of the page. Thank you.

