

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.

EISCAT 3D Norway Meeting

A meeting for the EISCAT 3D Norwegian group was held online on Dec. 6, 2021. The presentations and minutes will be distributed through the EISCAT 3D Norway mailing list. If you are not on the mailing list and would like to be added, please send an email to EISCAT_Norway@uit.no.

The next meeting will occur in the spring, with some key topics to be discussed. These include:

- The potential for an EISCAT 3D Norway charter
- Revisiting Science Objectives for EISCAT 3D Norway
- Determining a set of Key Performance Indicators for EISCAT 3D Norway

EISCAT 3D User Meeting

An EISCAT 3D user meeting was held on Nov. 29, 2021. Updates on EISCAT 3D were provided, including the status of the different EISCAT 3D sites. For the agenda from this meeting and some of the presentations, please follow the link: https://www.space.irfu.se/workshops/EISCAT-3D_User2021-3/

EISCAT 3D Software Group Meeting

An EISCAT 3D software group meeting occurred on Nov. 30, 2021. The meeting discussed potential common programs for EISCAT 3D operations and included an interactive demonstration of the current state of the EISCAT 3D experiment software. Users were able to use and modify the software through a web-based Jupyter notebook.

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. The next meeting is planned to occur in January, 2022.

Research Council of Norway Funding Calls

Proposals for the Researcher Project for Scientific Renewal, Researcher Project for Young Talents, and Three-year Researcher Project with International Mobility are due Feb. 2, 2022. For more information, please follow the link: <https://www.forskningsradet.no/en/call-for-proposals/>

Recent Successful Ph.D. Defences

Dr. Andreas Kvammen

Title: Auroral Image Processing Techniques - Machine Learning Classification and Multi-Viewpoint Analysis

Date: Sept. 30, 2021

Supervisor: Juha Vierinen

Affiliation: UiT The Arctic University of Norway

Dr. Theresa Rexer

Title: Radio Wave Propagation Through the Ionosphere

Date: Nov. 24, 2021

Supervisor: Björn Gustavsson

Affiliation: UiT The Arctic University of Norway

Congratulations!

Recent EISCAT 3D Publications

A recent publication regarding EISCAT 3D is provided below. If you have a publication that should be included in the list and is missing, please contact us and it will be included in the next issue!

Stamm, J., Vierinen, J., and Gustavsson, B.: Observing electric field and neutral wind with EISCAT 3D, *Ann. Geophys.*, 39, 961–974, <https://doi.org/10.5194/angeo-39-961-2021>, 2021.

EISCAT Symposium 2022

The EISCAT Symposium will be held August 15-19, 2022 in the Stockholm/Uppsala region of Sweden. This will also potentially include the Student Incoherent Scatter Radar Workshop before or after the symposium. For more details, please see: <https://eiscat.se/event/eiscat-symposium-and-workshop-on-layered-phenomena-in-the-mesopause-region/>

Future EISCAT 3D User Meetings

The next EISCAT 3D User meeting will be held in the spring, 2022.

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 March, 2022. 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.

