About NORCE

NORCE is a new and forward-looking research institute, with expertise in a wide range of fields and strong communities of knowledge. We deliver research and innovation in energy, health care, climate, the environment, society and technology.

Our solutions address key challenges for society and contribute to value creation on the local, national and global levels.

A permanent researcher position

Researchers in coupled ice sheet - climate modelling

NORCE CLIMATE

NORCE Climate conducts basic and applied research on the past, present and future climate system (including ice sheets), on anthropogenic climate change and its impact on societies, and on the feasibility of climate change mitigation options. NORCE Climate is one of the four partners of the Bjerknes Centre for Climate Research (BCCR), which is the largest climate research centre in the Scandinavian countries and among the leading centres in Europe.

About the position

A permanent researcher position is available in the field of ice sheet and climate modeling at NORCE Climate and the Bjerknes Centre for Climate Research.

The main task will be to further develop, improve and analyze the coupling of the Norwegian Earth System Model (NorESM) with an ice sheet model (currently CISM). Scientifically, the initial focus is on the interactions between the atmosphere (surface mass balance, atmospheric circulation, clouds) and the Greenland ice sheet.

The researcher will be part of the large Norwegian infrastructure project INES which boosts the development of NorESM and be connected to KeyClim, a 4 year scientific project focusing on key Earth system processes in the Arctic and high Northern latitudes. Furthermore, the researcher will be involved in RISES, a strategic core project at the Bjerknes Centre for Climate Research dealing with ice sheets and their interaction with atmospheric circulation and basal hydrology.

Coupled ice sheet and climate modelling is an exciting, relevant and challenging area of science, and we are looking for a highly motivated person to join our ice sheet - sea level team at NORCE Climate. Coupled ice sheet - climate modeling is a priority in NORCE Climate as well as in the Bjerknes Centre for Climate Research, and we are actively looking to strengthen and expand this activity in the coming years. The successful applicant will be expected to apply for (inter)national funding.

Your work tasks

- Advance the development of the Norwegian coupled climate - ice sheet model (NorESM-CISM)
- Set-up, perform and analyze coupled climate - ice sheet model simulations
- Focus on atmosphere - ice interactions over Greenland
- Publish in relevant peer reviewed journals
- Apply for research funding

Your education:

A PhD within physics, mathematics, meteorology, glaciology, oceanography or related field is required.

Desired Qualifications, Skills & Abilities:

- A strong background in Earth system modelling and model development is required
- Experience with ice sheet modelling is an advantage
- Experience in working with Linux/Unix environments and with high level programming languages (e.g. FORTRAN, Matlab, R, Python) is needed
- Skills in handling, analysing, and visualizing climate and ice sheet model results
- Ability to work across disciplines
- Good team working skills while being proactive
- Proficiency in both written and oral English
We can offer:

- A good and professionally challenging working environment
- A competitive salary as senior researcher at NORCE
- Excellent welfare benefits
- Opportunities for independent project development
- Possibility to influence your own work, work-time and choice of solutions

NORCE and the Bjerknes Centre for Climate Research provide an exciting work environment, connecting the around 250 climate scientists in Bergen.

Your application must include:

- A brief account (max. 1 page) of your research interests and motivation for applying for the position
- The names and contact information of at least two references
- CV including a list of scientific publications
- Transcripts, diplomas and relevant certificates
- If a PhD has not yet been awarded: An official confirmation that the doctoral thesis has been submitted
- The application and appendices with certified translations into English or a Scandinavian language must be uploaded at our recruitment portal Jobbnorge

General information:

If you have any questions about the position, please contact: Petra Langebroek (petra.langebroek@norceresearch.no). Questions about the application process can be directed to HR Adviser Bente Heggdal Martinsen (bema@norceresearch.no).

How to apply:

Please click on “APPLY FOR THIS JOB” on this page.

Jobbnorge-ID: 181611, Søknadsfrist: Søknadsfristen er gått ut