Jobbnorge ID: 278253
Deadline: 5/2/2025
Website: http://www.norceresearch.no/
Scope: Fulltime
Duration: Temporary

About NORCE

NORCE is a 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.

We are looking for

Postdoctoral researcher in paleo climate modelling

About us

The Department of Climate Dynamics is part of the NORCE Climate and Environment Division, which has around 200 employees. It conducts basic and applied research on the climate system on various temporal and spatial scales, on paleo climate, anthropogenic climate change and its impact on societies, as well as on the feasibility of climate change mitigation options.

NORCE is one of the four founding partners of the Bjerknes Centre for Climate Research (BCCR), which is the largest climate research center in Scandinavia and recognized as one of leading climate centers in Europe. The postdoctoral position will be affiliated with the BCCR, which provides a lively and stimulating international work environment.

At NORCE we are interested to recruit excellent researchers for permanent positions. If during this postdoctoral project we see a good fit, we can work towards a permanent researcher position for the successful candidate. For this, acquiring external project funding is essential, and we encourage and support the proposal writing process.

About the project

The Department of Climate Dynamics at NORCE has a full-time postdoctoral researcher position in paleo climate modelling available. The position is for a fixed-term of 3 years. The main working place is in Bergen, Norway.

The i2B Into The Blue project (ERC Synergy Grant)

The position is part of the European Research Council Synergy Grant “i2B - Into The Blue”, which fosters collaboration between The Arctic University of Tromsø (UiT, Norway), NORCE in Bergen (Norway), and The Alfred Wegener Institute - Helmholtz Centre for Polar and Marine Research in Bremerhaven (Germany). i2B is funded for 6 years (started in November 2024) and aims to fill a major research gap in Arctic science by investigating processes, consequences and impacts of past “greenhouse” (warmer than present) conditions. In i2B we will retrieve new, key Arctic geological archives of past warmth and employ climate models to bring our current knowledge about a warm Arctic beyond the state-of-the-art. The major strengths and aims of i2B are the expertise, knowledge, skills and planned synergies of our Arctic paleoclimate data and modelling teams at UiT, NORCE and AWI.

About the position

The overall aim of this postdoctoral project is to investigate the Arctic region during past warm climates, such as the Last Interglacial, mid-Pliocene and/or Miocene. We are looking for a postdoctoral researcher with a keen interest in setting up, running and analyzing Earth System Model simulations, focused on ocean - ice processes. The successful candidate is expected to contribute to and work with the Norwegian Earth System Model (NorESM), as well as to analyze already existing simulations from other ESMs, for example, through PMIP (Paleo Model Intercomparison Project). The work will be in collaboration with ice sheet modellers, paleoceanographers and ecosystem experts already working in i2B at NORCE. We also expect the successful candidate to contribute to outreach activities of i2B, and to publish results in high-level peer-reviewed journals.

Education requirements:

The successful candidate must have a PhD in climate science, physics, physical oceanography, atmosphere science, or similar field.

Qualifications, skills and abilities:

- Experience in Earth systemmodelling is required.
- A strong general background and experience in ocean and climate dynamics are desired.

- Skills in handling, analysing and visualizing large model data sets are desired.
- Experience in working with Linux/Unix environments and with high level programming languages (e.g. FORTRAN, Python) are required.
- Ability to work across disciplines, e.g. bridging modelling and observational approaches, in particular the ability to work closely with the paleo proxy community.
- Track record of peer reviewed publications in high level international journals.
- Good team working skills while being proactive.
- Proficiency in both written and oral English.

We can offer:

- A great opportunity to work in a prestigious ERC Synergy Grant consortium.
- A varied and flexible working day.
- An excellent and professionally inspiring working environment.
- Career development support such as courses, workshops and project proposal development and writing.
- A competitive salary.
- Excellent welfare benefits.

How to apply

Apply electronically by registering your application on jobbnorge.no

Your application must include

- A short (max. 1 page) research statement describing your research interests, motivation for applying for the position and future research plans.
- A full CV.
- A list of all scientific publications and manuscripts in preparation, including a short summary of your contribution for 3-5 key publications.
- The names and contact information of at least two references.
- Transcripts, diplomas and relevant certificates.
- If a PhD has not yet been awarded: An official confirmation that the doctoral thesis has been submitted, and a timeline for PhD completion.
- The application and appendices with certified translations into English or a Scandinavian language must be uploaded at our recruitment portal Jobbnorge.

Application deadline: 2nd of May, 2025

Candidates are expected to openly offer all relevant information about themselves during the recruitment process. Furthermore, one can expect that background checks can be conducted on all final candidates who may be checked against relevant lists to ensure compliance with applicable export control and sanctions rules. Candidates will be asked to provide information about affiliation to high-risk countries for a security assessment.

Contact information

If you have any scientific questions about the position, please contact: Petra Langebroek (pela@norceresearch.no).

Questions about the application process can be directed to Senior HR Adviser Bente Heggdal Martinsen (bema@norceresearch.no).

Additional information

Contact person:

Petra Langebroek, Research Director
Phone: | E-mail: pela@norceresearch.no

Place of service:

Jahnebakken 5 5007 Bergen (Bergen Municipality)