



Researcher position within snow and ice core climate research

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Gjennom eit sterkt og tett samspel med omverda - globalt, nasjonalt og lokalt - skal vi medverke til eit samfunn bygd på kunnskap, ferdigheiter og haldningar.

Vil du vere med å forme framtida?

Video: <https://www.youtube.com/watch?v=0E0cOZpZQXY>

Researcher

At the [Geophysical Institute](#), University of Bergen, there is a vacancy for a researcher position within snow and ice core climate research. The position is for a period of 2 years and is associated with the ERC Starting Grant SNOWISO.

About the project/work tasks:

The researcher position is part of a funded European Research Council Starting Grant project with the title 'Signals from the Surface Snow: Post-Depositional Processes Controlling the Ice Core isotopic Fingerprint' - SNOWISO.

The SNOWISO project combines field observations, laboratory experiments, and coupled climate models in order to understand and quantify how the climate signal is recorded in the ice core water isotope records from Greenland and Antarctica.

The fundamental hypothesis, which the SNOWISO project is working on, is that the climate signal in the ice core water isotope record is not only governed by the precipitation isotopes, but a combination of the precipitation isotope climate signal and the exchange between the snow surface and atmosphere. By being able to accurately understand and model how the variability of the climate is recorded in the ice core records from the Polar ice sheets the SNOWISO project will allow for integration of isotope-enabled General Circulation Models with ice cores.

The focus of the position is to facilitate new interpretation of ice core paleoclimate records based on the new understanding of how the climate signal is recorded in the ice core records. The successful candidate will join a dynamic group and have freedom to pursue research interests within the relevant topics and approaches (but not limited to):

- Ice core water isotope climate interpretation on different time scales
- Synthesize and develop further our isotope post-depositional process-based understanding
- Integrate ice core water isotope proxies and climate model simulations
- Snowpack water isotope process modelling

To support this research a suite of existing field observations from the Greenland ice sheet along with regional climate model simulations are available.

Qualifications and personal qualities:

- Applicants must hold a PhD or an equivalent degree within climates science, atmospheric sciences or earth sciences, or must have submitted his/her doctoral thesis for assessment prior to the application deadline. It is a condition of employment that the PhD has been awarded.
- Experience from the field of ice core paleoclimate, snow process, or water isotope research is a requirement.
- Documented expertise in scientific scripting and programming and data analysis (e.g., Python, Matlab, R, C++, FORTRAN) is a requirement.
- Expertise with running climate models or analysing and visualizing model outputs is an advantage.
- Prior experience or knowledge of the use of water isotopes in climate process research is an advantage.
- Applicants must be able to work independently and in a structured manner and have the ability to cooperate with others.
- Applicants must have excellent skills in oral and written English.
- Ability to actively communicate and co-operate within a larger research team

Personal and relational qualities will be emphasized. Research experience, ambitions and potential will also count when evaluating the candidates.

We can offer:

- a good and professionally stimulating working environment
- salary at pay grade 61 (code 1109 / pay range 24, alternative 5) according to the state salary scale upon appointment. This constitutes a gross annual salary of NOK 553 500. Further promotions are made according to length of service. For particularly highly qualified applicants, a higher salary may be considered.
- enrolment in the Norwegian Public Service Pension Fund

- good [welfare benefits](#)

Your application must include:

- A statement (1 page) of the applicant's research experience and how it pertains to the advertised position including the applicant's motivation for applying for the position.
- the names and contact information for two referees. One of these should be the main advisor from the PhD programme.
- CV
- transcripts and diplomas. If you have not yet completed your PhD degree, please submit a statement from your institution confirming that the doctoral thesis has been submitted.
- relevant certificates/references
- list of any works of a scientific nature (publication list)
- relevant publications

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at JobbNorge.

General information:

For further details about the position, please contact: Dr. Hans Christian Steen-Larsen, Geophysical Institute, University of Bergen (Hans.Christian.Steen-Larsen@uib.no).

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. Age and gender balance among employees is therefore a goal. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position.

We encourage women to apply. If multiple applicants have approximately equivalent qualifications, the rules pertaining to moderate gender quotas shall apply.

The University of Bergen applies the principle of public access to information when recruiting staff for academic positions.

Information about applicants may be made public even if the applicant has asked not to be named on the list of persons who have applied. The applicant must be notified if the request to be omitted is not met.

Further information about our employment process can be found [here](#).

About The University of Bergen

The University of Bergen is a renowned educational and research institution, organised into seven faculties and approximately 54 institutes and academic centres. Campus is located in the centre of Bergen with university areas at Nygårdshøyden, Haukeland, Marineholmen, Møllendalsveien and Årstad.

There are seven departments and several centres at Faculty of Mathematics and Natural Sciences. [Read more about the faculty](#) and [departments](#).

Jobbnorge-ID: 209556, Søknadsfrist: Søknadsfristen er gått ut