



The Norwegian Polar Institute

Section for Sea Ice

Jobbnorge-ID: 142506

Søknadsfrist: Closed

Nettside:

Omfang:

Varighet:

Sea ice research scientist

The Norwegian Polar Institute in Tromsø, Norway invites applications for a permanent research scientist position in sea ice geophysics, with focus on numerical process modeling and data analysis. The work will be conducted in the institute's Research Department, Section for Oceans and Sea Ice.

The Norwegian Polar Institute runs the Fram Strait Arctic Outflow Observatory as a long-term monitoring and research project, in order to monitor the ocean currents and sea ice leaving the Arctic Ocean through Fram Strait. Please visit <http://www.npolar.no/no/prosjekter/fram-strait-arctic-outflow-observatory.html>.

Work Content

The goals of the position are to contribute to the operation and improvement of our long-term sea ice observing system in Fram Strait, including analysis of the sea ice thickness time series, and to increase understanding of key processes related to sea ice mass and energy balance, by improving parameterizations in numerical models.

The Norwegian Polar Institute runs the Fram Strait Arctic Outflow Observatory as a long-term monitoring and research project, in order to monitor the ocean currents and sea ice leaving the Arctic Ocean through Fram Strait. The project maintains a mooring array, which includes upward looking sonar (ULS) to obtain continuous, high-resolution time series of sea ice draft for calculation of ice thickness. The applicant will have the responsibility for ULS data analysis and development of the programme. Furthermore, the successful applicant will be expected to develop and conduct process studies using numerical modeling for improving the understanding of thermodynamics and dynamics of Arctic sea ice. Modeling work is to be integrated with observational data and thus support and strengthen ongoing research activities in the group. Collaboration with scientists in other disciplines is also expected.

The main focus of the position will be on Arctic sea ice, especially within the regions around Svalbard, in Fram Strait, Barents Sea, and the European sector of the Arctic Basin. Work on Antarctic sea ice could also be possible in the future. Participation in polar field campaigns is expected.

The applicant is expected to publish in international peer-reviewed journals and to raise external funding to support further development of the institute's sea ice research programme. The candidate will also contribute with his/her expertise to the environmental management related advice carried out at the institute as well as representation of the institute in relevant international bodies.

Qualifications

The successful candidate must hold a completed PhD in sea ice research, geophysics, mathematics, oceanography, or another relevant field. We require a researcher with a strong scientific understanding of Arctic sea ice processes, especially mass and surface energy balance and experience with analysis of corresponding observational data. Experience with 1D thermodynamic sea ice models, regional ice-ocean modeling, sea ice process modeling, and time series analysis is required, and proven numerical skills are essential. Experience from fieldwork on sea ice is an asset. The applicant's publication record and record of accomplishment for attracting external funding will be taken into consideration.

We seek a candidate who is a team worker yet can conduct independent research. Good written and spoken communication skills in English are required. Communication skills in Norwegian or other Scandinavian language are an asset. The institute covers Norwegian courses, so Non-Norwegian applicants are expected to learn Norwegian within reasonable time.

General

The work place is the Norwegian Polar Institute in Tromsø, Norway. The salary will commensurate with the qualifications of the successful candidate, according to the Norwegian state salary code 1109/1110/1183 research scientist, NOK 490 900 - 600 200 per year. There will be a 2% deduction to the Norwegian Public Service Pension Fund. The position is open immediately.

The Norwegian State Administration strives to mirror the diversity of its population and thereby achieve a balanced mix of age, gender and ethnic backgrounds among its employees. All qualified candidates with different backgrounds are encouraged to apply. The Norwegian Polar Institute is an IW-enterprise and adjustments will be made to the workplace regarding health issues, if necessary. Women are encouraged to apply for the position.

Tromsø is a vibrant city of 70.000 residents situated in northern Norway at nearly 70°N. Tromsø is known as a good place to experience the midnight sun, polar night, varied outdoor activities and a lively cultural and entertainment environment. It is also a major, and expanding, center for research, with numerous government and private research institutions and a major university. The NPI's Research Department is very diverse, both in scientific interests and in nationalities.

Further inquiries about the position may be directed to head of the Oceans and Sea Ice Section, Sebastian Gerland, gerland@npolar.no, tel. +47 77 75 05 54, Senior Research Scientist Mats Granskog, granskog@npolar.no, tel. +47 77 75 05 58, Research Scientist Laura de Steur, desteur@npolar.no, tel. +47 77 75 05 36.

The application deadline is 30 October 2017. The application should include details of your relevant qualifications and experience, CV, copies of your transcripts and names of at least three references. The application must be submitted electronically via www.jobbnorge.no. Please, do not include copies of articles or other work in the application, but note that it may be requested later in the process.

All applications are handled in confidentiality until the application deadline. Thereafter, a public list of applicants will be prepared. Applicants who wish to reserve their applications from the public list must give reasons for this in their applications. Information about an applicant can be made public even if the applicant has requested not be included from the public list of applicants, cf. Freedom of Information Act, Section 25, 2nd paragraph.

Tilleggsinformasjon

Arbeidssted: