



The Norwegian Polar Institute Environmental pollutants section

Jobbnorge ID: 203546
Deadline: 4/30/2021
Website: <http://www.npolar.no>
Scope: Fulltime
Duration: Fixed Term

We need a

Postdoctoral Research Fellow in marine modelling

We have an open position

as Postdoctoral Research Fellow in marine modelling. The position will be part of our well-established research activities on Arctic marine physical and biogeochemical processes. It is funded by the EU-project "The future of Arctic coastal ecosystems - Identifying transitions in fjord systems and adjacent coastal areas" (FACE-IT - <https://www.face-it-project.eu/>), and by the Norwegian Research Council project "The Nansen Legacy" (<http://nansenlegacy.org>).

The position is temporary for 3 years and belongs to the Arctic Ocean portfolio. This program consists of a wide range of projects that ensure interdisciplinary environmental management research. You will be employed in Section for Ecotoxicology in our Research Department. The section conducts research on the effects of climate change, pollutants and plastic on biogeochemistry, food webs and species health in Arctic marine regions.

Your work place will be Tromsø, Norway. Some travels may be expected due to visits and collaboration with both national and international project partners.

Work content

You will work with modelling based on existing regional (European Arctic) and local (fjord) three-dimensional models. Your work will contribute to better understanding the consequences of warming on ocean and sea-ice physics and biogeochemistry. You will specifically:

- contribute in the refinement of process representation in models
- carry out model testing and evaluation against observations
- carry out model scenario analysis considering several drivers of change
- write and publish articles on your results

Qualifications

You must hold a completed PhD in Marine sciences or other related field such as Physical Oceanography.

A Norwegian doctoral degree or equivalent doctoral degree from a foreign university is required. You are welcome to apply if you have not completed your doctoral dissertation yet, but you must then provide documentation that your dissertation has been submitted for evaluation before the position's closing date. An approved public defence of your doctoral thesis is a prerequisite for employment.

In addition to your PhD we would like you to have:

- experience with 3D ocean numerical model systems
- programming skills in FORTRAN
- experience with super-computers and with the Linux environment
- previously worked with coupled ocean-sea ice models
- previously worked with coupled physical-biogeochemical models
- good MatLab skills

Remember to include an updated publication list. We will emphasize your publication record and what journals they are published in. It is in your favour if you already have connections within international research networks.

You will collaborate with colleagues at the Norwegian Polar Institute and collaborators within the projects, so good collaborative skills are necessary. You will, of course, also work individually. This implies that you need to determine what type of work that needs to be done and to conduct it in the best possible way.

In addition to communicating, you are expected to deliver reports, publications etc., and thus, your written and oral communication must be good in English. Our working language is Norwegian, so knowledge of the Norwegian language will carry weight in the assessment. If you do not speak Norwegian you are expected to attend language courses within the first two years of your employment since communicating in Norwegian will be important for you, as well as for the institute. We pay for completed and passed courses.

We can offer

- Interesting and exciting work tasks in an international environment.
- Salary according to the Norwegian State salary code 1352 postdoctoral research fellow. From this, 2% is deducted to the State Pension Fund.
- Pension and insurance through the State Pension Fund.

A diverse work force is important to us! If you are qualified for the position, you are welcome to apply regardless of your gender, age, cultural background, disabilities or gaps in your CV. The latter two may be used for registration purposes in connection with the government's policies.

Tromsø and the surrounding area have excellent conditions for experiencing the midnight sun, polar night, Northern lights, varied outdoor activities and a lively cultural and entertainment environment. Tromsø is situated at nearly 70°N with just about 75.000 residents. The city is an expanding centre for research, with numerous governmental and private research institutions and a major well-established university.

Applications

Further inquiries about the position may be directed to Senior Research Scientist Pedro Duarte, pedro.duarte@npolar.no, tel. +47481 98 329, or Section Leader Geir Wing Gabrielsen, geir.wing.gabrielsen@npolar.no, tel. +47 957 84 464

The application deadline is 30 April 2021.

The application should include details of your relevant qualifications and experience, CV, copies of your transcripts and names of three references. The application must be submitted electronically via www.jobbnorge.no. Please, do not include copies of publications or other works in the application, but note that this 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 that they be excluded from the public list of applicants, cf. Freedom of Information Act, Section 25, 2nd paragraph.

The Norwegian Polar Institute

is a directorate under the auspices of the Ministry of Climate and Environment and has approximately 160 employees located in Tromsø, Svalbard and Antarctica. The institute is the main strategic adviser for the Norwegian State in polar issues, represents

Norway internationally with respect to polar sciences and management committees and processes, and is Norway's environmental authority in Antarctica.

For more information visit www.npolar.no.

Additional information

Place of service:

Tromsø 9296 Tromsø (Tromsø - Romsa Municipality)