



VACANT POSITION FOR A BIOGEOCHEMICAL MODELER AT NERSC

The Position:

NERSC has a vacant 2-years project-based position for a researcher in ocean-biogeochemical modeling.

The main objective will be to perform research in coupled ocean–biogeochemical and ecosystem interaction and modeling for the lower trophic levels, with applications towards operational oceanography, and marine and climate research. In particular the focus will be on:

- Development and validation of the biogeochemical module of the Northeast Atlantic and Arctic Ocean component of the European Copernicus marine forecasting service. This includes the development of a coupled sea ice-ocean-biogeochemical module.
- Analysis of model results with respect to the influence of environmental forcing on the variability of the ecosystem.

The main approach for the research combines the coupled physical-biological model, with in-situ and remote sensing observations. The research will be conducted in collaboration with other researchers at NERSC as well as with national and international partners.

The position is initially for 2 years, and may be extended pending future funding possibilities.

Qualification:

- PhD or equivalent in oceanography or related field.
- Research experience of biogeochemical processes and their interaction with physical process in the ocean and sea ice covered seas.
- Modeling skills, programming and experience with running and development of coupled physical-biogeochemical models.
- Experience with analysis of large datasets.
- Ability to work both indecently and in a team.
- Excellent communication skills.

Desired starting date: June 1. 2016

Salary will be according to competence and experience.

About NERSC:

The Nansen Environmental and Remote Sensing Center (NERSC) is an independent non-profit research foundation in Norway. The vision of the Center is “to pioneer understanding of the Earth system and science-based innovation for society”. The Center conducts multidisciplinary sciences with focus on marine, cryosphere and atmospheric research with integration and links to innovation and service development. The high latitudes and the Arctic are given special attention. NERSC takes an active part in training and capacity building as well as dissemination to stakeholders and society in support of sustainable environment and blue growth. Strategic national and international partnerships are highly prioritized.

The primary income for NERSC comes from various funding agencies and industries awarded in open competition. The Center also receives basic funding from the Ministry of Climate and Environment in Norway. NERSC is an active research partner in the Bjerknes Centre for Climate Research and at the Hjord Centre for Marine Ecosystem Dynamics. NERSC is also leading the Copernicus Marine Environmental Monitoring service for the high latitude seas and Arctic Ocean in collaboration with the Meteorological Institute of Norway. The Center has extensive international collaboration, including the “Nansen Group” with research centers in Russia, India, China, South Africa and Bangladesh. The Center presently has 75 employees from 15 nations.

Benefits

- Pension agreement
- Financial help with relocation

How to apply:

Deadline for application is 11. March 2016.

To apply, send

- A cover letter describing relevant scientific experience and motivation for the position.
- CV
- Contact details for three references

by e-mail to annette.samuelson@nersc.no and admin@nersc.no, use the subject line “Application for biogeochemical modeler”. For any questions regarding the position, contact Annette Samuelson (email: annette.samuelson@nersc.no, office phone: +47 452 54 927).