



**The Nansen Environmental and Remote Sensing Center, Bergen, Norway
is seeking**

Senior scientist in sea ice remote sensing

The Nansen Environmental and Remote Sensing Center (NERSC, <http://www.nersc.no>) is an independent non-profit research foundation affiliated with the University of Bergen, Norway. The Center conducts basic and applied environmental and climate research with emphasis on Arctic and high latitudes. The Center is mainly funded by projects from national and international research agencies. In 2012 the Center became an environmental research institute with basic funding from the Norwegian Ministry of Climate and Environment. The Center has extensive collaboration with international partners, including the Nansen Group of international research centers in Russia, India, China, South Africa and Bangladesh.

Satellite remote sensing is a key research activity at NERSC with about 15 scientists working with polar and marine research and applications of satellite Earth observation data. NERSC has been leading many national and international remote sensing projects for more than three decades. It is of strategic importance for the Center to develop satellite based Earth Observation methods to monitor sea ice and other quantities of the marine and cryospheric environment. This research work is an important contributor to national and international Earth Observation programmes such as ESA's Climate Change Initiative and EU's Copernicus Marine Services.

NERSC has a vacant position for a senior scientist to lead the sea ice and land ice remote sensing research group at the Center. The group conducts research on retrieval algorithms for and applications of sea ice drift, sea ice type classification, sea ice thickness and detection of leads, ridges and icebergs obtained from multiple satellite sensor data. The group also works with retrieval of elevation and volume changes of ice sheets from altimeter data. The successful applicant shall lead the research on development of new and innovative algorithms and methods for retrieval and applications of sea ice and land ice information from present and future satellite missions.

Qualifications:

- PhD or equivalent in sea ice/land ice/ocean remote sensing, oceanography, applied mathematics, meteorology, geophysics or related fields.
- Extensive understanding of sea ice dynamics and thermodynamics.
- Documented research experience in remote sensing of sea ice.
- Practical experience in conducting sea ice/oceanographic field experiments.
- Minimum 5 years experience in coordinating national and international Research and Development (R&D) projects.
- Ability to seek and secure external funds for R&D projects from public funding sources and industry.
- Established network in sea ice and cryosphere research, including connection to users and stakeholders.
- Ability to create a positive work environment that encourages high performance and motivates staff in the group and facilitates efficient organisation of R&D projects.
- Excellent communication skills, both oral and written.

We can offer:

The candidate will have an opportunity to develop new research plans in agreement with the leader group and the overall strategy of the Center. The candidate will work in a stimulating multi-disciplinary environment with experts of remote sensing, oceanography, underwater acoustics, ocean and sea ice modelling, operational oceanography and climate research. NERSC staff is multi-cultural, with English as a working language.

Position: Permanent, full-time position.

Salary: We offer competitive salary based on qualifications and experience.

Location: Bergen, Norway.

Starting date: To be agreed.

How to apply:

The vacancy is open for applications until the **30th September 2015**.

The application shall include:

- 1) A cover letter describing relevant scientific experience and motivation for the position.
- 2) CV and list of relevant publications.
- 3) Contact details of three reference persons.
- 4) Up to five published papers of relevance for the position.

The application shall be sent by e-mail with Subject "Application for a Senior scientist position in sea ice remote sensing" to admin@nersc.no with cc to stein.sandven@nersc.no. For more details about the position, contact Director Stein Sandven or Deputy director Johnny A. Johannessen (+4755205800).