



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

### **Post-Doctoral vacancy in Meteorology/Oceanography**

*The Nansen Environmental and Remote Sensing Center (NERSC, <http://www.nersc.no>) was established in 1986 as an independent non-profit research foundation affiliated with the University of Bergen. The Center is mainly based on project funding, but receives basic funding from the Norwegian Ministry of Climate and Environment through the Research Council of Norway. The Center has extensive collaboration with international partners, including the Nansen Group of international research centres in Russia, India, China, South Africa and Bangladesh. The Center is an active research partner of the Bjerknes Centre for Climate Research (BCCR) and the Centre for Climate Dynamics (SKD) at the University of Bergen, together with Uni-Research and Institute of Marine Research.*

A two-year post-doctoral position (with potential extension) in meteorology/oceanography is vacant at Nansen Environmental and Remote Sensing Center. The position is in the project *The changing Arctic cryosphere: snow and sea-ice impact on prediction and climate over Europe and Asia (SNOWGLACE)*, funded by the Research Council of Norway.

#### **Project description**

The aim of the SNOWGLACE project is to provide new knowledge and capabilities to elucidate and improve predictability of the role of the Arctic cryosphere on weather and climate change. SNOWGLACE will contribute to improved knowledge about the impacts of climate change, notably the shrinking cryosphere, on the natural environment and societies in populated areas of Europe and Asia, through integrated studies of polar and mid latitude regions. SNOWGLACE will bring together national and international expertise covering weather and climate prediction, sea ice process studies, and global meteorological observations. The project is led by the Nansen Center in cooperation with Norwegian Institute for Air Research, UniResearch Climate and international collaborators from China, Korea and Japan. The position is at the GC Rieber Climate Institute, which is one of the research departments at NERSC.

#### **Work responsibilities**

We are seeking a highly qualified and motivated candidate with expertise in climate simulation and/or data assimilation. The candidate will use the Norwegian Climate Prediction Model (NorCPM) to initialise sea-ice conditions in the Arctic and diagnose the climate response and potentially improved predictability.

#### **Requirements**

The applicant must hold a PhD in meteorology, oceanography, applied mathematics or equivalent. Applicants should preferably have experience with Earth system modelling (in particular with the Norwegian Earth System Model) and/or data assimilation (in particular with ensemble-based methods). In addition, the applicants

should have good skills in analysing model output data and in statistical analysis. A good publication record or documented publication skills is an advantage. Technical qualifications include excellent knowledge of Fortran (or C) and analytical software such as MATLAB, python or R.

**Additional information**

Starting salary follows the rates of the Research Council of Norway, currently NOK 483,700 gross p.a. For an equal level of qualifications, female applicants will be given priority.

Earliest starting date: January 1<sup>st</sup>, 2016.

For further information, contact Yongqi Gao ([yongqi.gao@nersc.no](mailto:yongqi.gao@nersc.no)) or Francois Counillon ([francois.counillon@nersc.no](mailto:francois.counillon@nersc.no)). For more information about the Nansen Center, please refer to <http://www.nersc.no>.

**Application deadline: September 15, 2015**

Please send your application with CV, your publication list, and the contacts of three references by e-mail to the following address: [admin@nersc.no](mailto:admin@nersc.no) with copy to Yongqi Gao ([yongqi.gao@nersc.no](mailto:yongqi.gao@nersc.no)) and Francois Counillon ([francois.counillon@nersc.no](mailto:francois.counillon@nersc.no)) including in the subject line "Application for a postdoc position in SNOWGLACE".