



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

## **Researcher in Climate modelling**

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 based on project funding, but receives basic funding from the Norwegian Ministry of 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. It 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 researcher position is available (with a start as soon as possible in 2013) at NERSC with a four years contract period. The position is supported by the Center for Climate Dynamics (SKD) of BCCR and NERSC. The research activities will be carried out in close collaboration with NERSC's partners.

The position will strengthen research at NERSC and SKD addressing naturally occurring and human-made changes to global and regional climate through analysis and numerical experiments with the Norwegian Earth System Model (NorESM).

The successful candidate should have considerable experience using NorESM, the Community Earth System Model (CESM; developed at the National Center for Atmospheric Research), or other general circulation climate models. The research activities may cover various topics notably: setting up, running and evaluating climate model sensitivity experiments; conducting analysis relevant for a specific climate target (e.g., the two-degree target); testing and evaluating new sea ice dynamics/physics; improved scheme for air-sea-ice interactions; and preparing climate model output for downscaling.

Applicants must have a doctoral degree (Norwegian PhD or equivalent) in meteorology, oceanography, atmospheric sciences or related fields.

A strong background in climate modelling, insight into the dynamics and physics of the coupled climate system and knowledge of basic statistics are required. Experience working in a Unix environment and with all software necessary (for using NorESM/CESM) is essential (e.g., FORTRAN, NCL, shell scripts). Familiarity with parallel computer platforms is an advantage.

The candidate's publication record, research interests and potential to conduct high quality, research supporting the climate modelling in Bergen will be considered in the evaluation. The successful candidate will join a lively, interdisciplinary scientific environment where cooperation and collaboration are encouraged, and so should have good team working skills.

The successful candidate will spend 40% of the time at NERSC and 60% at SKD. The two centers are located close to each other (5 min walk).

Applications with subject “Applications SKD modeller”, including full CV and names and e-mails of three references should be sent to [admin@nersc.no](mailto:admin@nersc.no) with copy to Dr. Yongqi Gao ([yongqi.gao@nersc.no](mailto:yongqi.gao@nersc.no)). The deadline for application submission is August 23<sup>rd</sup> 2013. Further information about the position can be obtained from [yongqi.gao@nersc.no](mailto:yongqi.gao@nersc.no).