

Post-Doc position (4 years) at the Royal Netherlands Meteorological Institute (KNMI)

Organization: Royal Netherlands Meteorological Institute (KNMI)

Address: Wilhelminalaan 10, 3732GK, De Bilt, Netherlands

Position: Fulltime temporary position for four years

Closing date for applications: 30th April 2009

Job description

You will do your research within the Global Climate division. You will participate in the European Framework7 project COMBINE. In this project new components of earth-system models will be developed and used in climate simulations. These simulations will provide the data for future climate predictions and projections. The KNMI participates in the COMBINE project with the EC-EARTH climate model. With EC-EARTH earth-system simulations on decadal time scale will be performed and analyzed. In addition a new land module will be coupled to EC-EARTH. Your research activities during the first 18 months will be dedicated to the development and evaluation of the land surface interface. During this period you will also visit a few months the university of Lund, Germany. Thereafter your main focus will be the set-up and performance of the climate simulations and the analysis of the results.

Qualification

You have a PhD in meteorology, oceanography or related subject. Preferably you have experience in using complex numerical models, analysis and visualization software and good working knowledge of Unix and Fortran (or similar IDL or MatLab etc) . You have the ability to work and carry out research independently and enthusiastically, enjoy working in a multi-disciplinary team and you have excellent communication skills in English, both oral and written.

Terms of employment

We offer a fulltime (36 hours per week) temporary position for four years. Maximum EUR 4294 per month, before taxes (scale 11).

Organization

KNMI (www.knmi.nl/research)

Our Royal Netherlands Meteorological Institute (KNMI) is an agency of the Ministry of Transport, Public Works and Water Management. We are the national institute for weather, climate and seismology. We deliver weather information related to security, economy and a sustainable environment to the public, the government, aviation and shipping. From our central weather room in De Bilt we issue weather-forecasts and warnings. Our main task is the dissemination of our knowledge, data and information. In addition we conduct research on weather, climate and seismology in close cooperation with other institutes and universities worldwide. Our climate research focuses on monitoring, analysis and predictions of changes in the climate system. We choose our research themes on the basis of the state of affairs in the international research arena and on questions from the government and the society.

The division

Global Climate Division (www.knmi.nl/research/global_climate)

Our division conducts research on fundamental processes in the global climate system that underlie observed climate variations in close cooperation with international partners. In this research and the development of future climate scenario's we use numerical models of the general circulation in the atmosphere and ocean coupled to sea-ice and land models. With our new earth system model EC-

EARTH we explore our future climate and investigate the origins of climate variability and the strength of feed-backs in the climate system. Our group consists of 12 scientists on permanent contracts and a similar number on temporary contracts.

More information about the position:

Prof. dr. Bart van den Hurk, +31(0)30 - 220 63 38, hurkvd@knmi.nl (www.knmi.nl/~hurkvd)
dr. Rein Haarsma, +31(0)30 - 220 67 60, haarsma@knmi.nl (www.knmi.nl/~haarsma)

More information about the procedure:

Mrs Hetty Loeb, +31(0)30 - 220 64 92, loeb@knmi.nl

How to apply:

Applications, including a curriculum vitae and the e-mail addresses of two referees, can be submitted to “Ministerie van Verkeer en Waterstaat, Werving en Selectie, Postbus 20906, 2500 EX Den Haag, Netherlands” or by email to recruitment@minvenw.nl before 30th April. Please mention vacancy number KNMI 2009/15.