



Job Announcement (KNMI 2008/07)

The Royal Netherlands Meteorological Institute (KNMI) invites potential candidates to apply for the position of postdoctoral research scientist on “Atmospheric chemistry modeling of reactive and short-lived greenhouse gases”.

General information

The Chemistry and Climate Division of KNMI performs research into atmospheric composition changes and their impact on climate. An important question is how various anthropogenic and natural emissions affect climate, and what the impact is of possible mitigation measures aimed at reducing this impact. In order to answer these questions, the division further develops and applies the atmospheric chemistry model, TM, which is coupled to meteorological output from the ECMWF weather forecast model. TM contains descriptions of the life cycles of tropospheric and stratospheric greenhouse gases, aerosols and their precursors.

Information about the postdoctoral position (KNMI 2008/07)

In the first 2,5 years, the postdoc will perform model simulations of reactive and short-lived greenhouse gases with the global tropospheric chemistry model TM in the framework of the EU-project GEOMON (Global Earth Observation and Monitoring of the atmosphere). The model results will be evaluated with ground-based observations collected in GEOMON, and observations made on-board a passenger aircraft (CARIBIC: Civil Aircraft for the Regular Investigation of the Atmosphere Based on an Instrumented Container).

Prolongation of the appointment is possible, with the maximum employment period being 5 years.

Requirements

A Ph.D. in atmospheric research
Experience with large scale numerical models and Fortran90
Knowledge of atmospheric chemistry
Good communicative skills

More information can be obtained from
Dr. Peter van Velthoven
Tel. +31-30-2206419

Email: velthove@knmi.nl

Applications can be sent to
Dr. P.F.J. van Velthoven
KNMI
P.O. box 201
3730 AE De Bilt
The Netherlands