



Postdoctoral Researcher in Climatology Complutense University of Madrid

Application closing date: 1 October 2016

Start date: Early 2017 or as soon as possible thereafter

The [STREAM](#) (Stratosphere and Tropospheric REsearch And Modeling) group at Complutense University of Madrid (UCM) and the Geosciences Institute (IGEO) has a long standing experience in the fields of dynamics of the middle atmosphere, tropospheric climate variability and climate reconstruction of the last 500 years. The group has demonstrated involvement in a number of international activities and a dense network of collaborations. We seek to expand the existing team by recruiting a Postdoctoral Research fellow in climatology for the National funded project **“PALEOSTRAT: PALEOmodelling from a STRATospheric perspective”**.

PALEOSTRAT is a collaborative project between the STREAM group and researchers from the National Center for Atmospheric Research (US), The University of Columbia (US) and the University of Leeds (UK). The project aims to provide a novel and synergistic view of the paleoclimate and the stratosphere in order to: 1) better understand the role of the stratosphere in the climate responses to internal and external forcings and, 2) improve our current understanding of the Last Millennium (LM, 850-1850 CE) by incorporating the added value of the middle atmosphere, current knowledge of the external forcings and recent advances in modelling their interactive role.

Job details

The work will involve numerical modelling with an Earth System Model (CESM), including the setup of millennial-long climate simulations under different forcing scenarios and model configurations, and analysis of model outputs. The successful candidate will conduct research on stratosphere - troposphere coupling, and the causes of model biases in the current representation of the LM climate. As a member of the team, you will attend conferences and carry out brief research stays abroad, if required.

Required:

1. Applicants must have had the PhD degree in a relevant discipline for the job offer:
2. Demonstrable experience in a relevant research area applicable to the project (climate modelling, paleoclimate, and/or stratospheric dynamics and vertical coupling)
3. A mathematical background and good computing skills, including programming.
4. Ability to work independently and as a team member
5. Good English skills (both writing and speaking)



Other desired skills

Experience in climate modelling, knowledge of Unix/Linux including shell script programming, advanced skills in IDL, Matlab, Fortran, etc...

Conditions

- The position is full-time, initially for one year and extended up to a maximum of two years. Extensions can be negotiated depending on your performance and funding availability.
- The position is expected to be available from early 2017 and open until filled. Salary is based on experience and performance according to the University of Madrid salary scale. The initial gross salary offer is 28,000 €/year (aprox. 25000 €/year after taxes, full-time), with the starting date and conditions negotiable.
- The work will be done in Madrid, Spain, under the supervision of Dr. Natalia Calvo and Dr. David Barriopedro.

Applications

Applications should include:

1. A comprehensive CV
2. A brief statement of research interests and future career plans
3. The names and contact information of two senior researchers who can provide recommendation letters.

Please send your application in electronic form to nataliac@fis.ucm.es and dbarriop@fis.ucm.es by e-mail, with the title "PALEOSTRAT Postdoc position".

The deadline for applications is 1 October 2016.