

CALL FOR APPLICATION
22-MONTH POSTDOCTORAL FELLOWSHIP AT CNRM-GAME
(TOULOUSE, FRANCE)

Applications are invited for a 22-month postdoctoral position starting as soon as possible in 2014, in the climate department of the CNRM-GAME in Toulouse (France) to work on the following subject: "Modelling and evaluation of simulations and reanalyses of continental surfaces". The deadline for application is May 31st 2014.

Framework:

This position is funded by the European Commission through the Earth2Observe FP7 project. The ultimate objective of this project is to improve the knowledge on the past state of continental surfaces through the reanalysis of land observations with land surface numerical models. In Earth2Observe, Météo-France intends to build and validate a global land data assimilation system coupled with a hydrological model and to contribute to the validation of land surface models and Earth Observations products.

Work description:

The proposed work will mainly consist in the following tasks :

- 1) Contribute to the evaluation and intercomparison of the simulation and analysis of snow characteristics produced by the different partners of Earth2Observe (design of the intercomparison method, processing of snow observations, evaluation of model outputs);
- 2) Perform global simulations with SURFEX-TRIP, the land surface model of the CNRM, and contribute to the evaluations of the results against in-situ river discharges, global snow cover, carbon and vegetation products, and terrestrial water storage variations estimates by GRACE.
- 3) Analyse performances of new physics or modules in the SURFEX-TRIP system.

Required qualifications:

- 1) A Ph.D. in atmospheric sciences, preferentially in the modelling of land surface conditions at global or regional scales.
- 2) A practice in basic statistical methods.
- 3) An experience in the linux operating system, in the netcdf file format, and Fortran90.
- 4) A good practice in French and/or English languages.

Practical information:

The successful applicant will be contracted by Météo-France and will be based at the "Centre National de Recherches Météorologiques" (Toulouse, France; <http://www.cnrm.meteo.fr/>) within the climate research group. The opened position will start as soon as possible in 2014

Earth2Observe Scientist position

for a 22-month duration. The net salary will be between **2600 to 3100 euros per month**, depending on the qualifications of the candidate.

For full consideration, an application letter including a detailed statement of research interest, along with a curriculum vitae (including research experience, publications and conferences, computing skill and different language practises) and the names, telephone and email address of 2 referees should be sent by email before May 31st 2014 to:

Eric.Brun@meteo.fr

with copy to:

Bertrand.Decharme@meteo.fr

For more details about this call, please contact:

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For more details about CNRM-GAME climate research activities, please visit :

<http://www.cnrm.meteo.fr/gmgec/>