



UNIVERSITÄT HOHENHEIM  
INSTITUTE OF PHYSICS AND METEOROLOGY  
The Chair of Physics and Meteorology



## Postdoc (TV L E13)

position for 25 months available at the  
**Institute of Physics and Meteorology (IPM), University of Hohenheim,  
Stuttgart, Germany**

in a project with the objective to investigate and quantify feedback processes between the atmosphere and the soil-vegetation system in a changing climate. In this project a coupled atmosphere-land surface-crop model is applied over Central Europe with convection-permitting resolution. It is expected that at this scale land surface atmosphere feedback over heterogeneous and agricultural landscapes will be better represented and their coupling to clouds and precipitation will be more realistic as the parameterisation of deep convection can be avoided. This will be proven by detailed model verification including scores for extreme value statistics of temperature and precipitation.

The successful candidate will apply the Weather Research and Forecasting (WRF) model at very high resolution as part of the integrated land system model system, which is developed within the project. The objective is to analyze the results with respect to land-atmosphere interaction in agricultural landscapes and to the effects of land surface heterogeneity using new model diagnostics.

We offer an exciting work environment in an international and interdisciplinary research team of modeling and observing scientists in cooperation with the regional climate modeling initiative CORDEX for Europe ([www.euro-cordex.net](http://www.euro-cordex.net)) and the Local Coupling (LoCo) project of the World Climate Research Program (WCRP).

We are seeking for a candidate with a PhD in meteorology, physics, mathematics, oceanography, or earth system science. We expect experience in land surface atmosphere feedback studies and boundary layer meteorology. The candidate shall be familiar with the set up, operation, and verification of climate or weather forecast models. If you are creative, enjoy team work, and are capable of working independently, we are looking forward to your application.

In order to increase the percentage of women, female applicants with equal qualifications will be preferred. The employment of severely challenged persons with the same occupational aptitude is favored. For further information you are welcome to contact Dr. Kirsten Warrach-Sagi (email: [kirsten.warrach-sagi@uni-hohenheim.de](mailto:kirsten.warrach-sagi@uni-hohenheim.de)). As this position will be filled out immediately after a suitable candidate is found, please send you application documents as soon as possible to the following address:

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