



UNIVERSITÄT HOHENHEIM  
INSTITUT FÜR PHYSIK UND METEOROLOGIE

Der Geschäftsführende Direktor  
Prof. Dr. Volker Wulfmeyer



## Postdoc (TV L E13) or PhD Position (TV L E13/2)

position for three years available in the  
Working Group on Field Measurements and Modelling of the  
**Institute of Physics and Meteorology (IPM), Hohenheim University,  
Stuttgart, Germany.**

At the interface between the development and the application of climate models we offer you a demanding task with great relevance for society. This task is a component of the joint project founded by the German Research Foundation "Structure and Functions of Agricultural Landscapes under the Influence of Global Climate Change – Processes and Projections on the Regional Scale" (see <https://klimawandel.uni-hohenheim.de>).

The main goal of this subproject is the calculation of high-quality climate projections for South-West-Germany during the time period until 2030. A special focus will be laid on the interdependency between utilized agricultural areas and the atmosphere. To this end, the Weather Research and Forecasting model (WRF) and the Community Land Model (CLM) will be coupled as well as elaborated by integrating the plant growth model Expert-N and a multi-agent decision model (MAS). The model system will be verified by the new data sets of the World Weather Research Programmes Convective and Orographically-induced Precipitation Study (COPS) as well as D-PHASE (see [www.uni-hohenheim.de/cops](http://www.uni-hohenheim.de/cops), [www.wmo.int/pages/prog/arep/wwrp/new/mesoscale\\_new.html](http://www.wmo.int/pages/prog/arep/wwrp/new/mesoscale_new.html) and [www.map.meteoswiss.ch/map-doc/dphase/dphase\\_info.htm](http://www.map.meteoswiss.ch/map-doc/dphase/dphase_info.htm)).

Conditions for employment for the Postdoc position are a PhD in Mathematics, Physics, or Earth Sciences or comparable achievements. For the PhD position, a diploma or M.Sc. degree is required in one of the aforementioned subjects. If you enjoy working autonomously in an international, transdisciplinary team of researchers, and if you can contribute experiences in programming atmospheric models or other three-dimensional circulation models, 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 favoured. Please send your application documents until March 01, 2009, to

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