



Position in Palaeoclimate Modelling of the European Alps (PhD or Postdoc)

The Earth System Dynamics research group at the University of Tübingen, Germany, announces **1 PhD position or 1 Postdoc position** associated with a new DFG-funded project (“REAL: Reconstructing Eastward Propagation of Surface Uplift in the Alps: Integrating Stable Isotope Palaeoaltimetry and Palaeoclimate Modelling”) that is part of the priority program “Mountain Building Processes in 4D” (www.spp-mountainbuilding.de). It is a collaborative effort of the University of Tübingen (palaeoclimate modelling) and the Senckenberg Biodiversity and Climate Research Centre, Frankfurt (stable isotope palaeoaltimetry) and aims to constrain the surface uplift history of the European Alps. Candidates with interests in **Earth system dynamics, palaeoclimate, atmospheric general circulation modelling (GCM) and modern empirical methods** should apply.

The appointment is for **36 months and salaries are at the German TV-E13 level (75%)**.

Responsibilities: The candidate will conduct simulations with the isotope tracking GCM ECHAM-wiso for different times and topographic scenarios in the Neogene, process and analyse output using cutting edge software and methods, and collaborate with PhD students and postdocs from different institutes and disciplines to address the project’s aims. State of the art facilities for high performance computing are available.

Requirements: Requirements for applicants are written and spoken fluency in English and completion of an MSc degree (or equivalent) prior to appointment as a PhD candidate or completion of a PhD prior to appointment as a postdoctoral researcher. Proficiency in German is beneficial, but not required. The applicant is required to have basic knowledge of shell scripting, Python or the willingness to learn these in the early stages of the project. Knowledge of modern Fortran is beneficial.

Application: Application materials should include a CV and list of prior publications, a 1-2 page cover letter with a statement of research interests, and contact information for three referees familiar with the candidate’s research. Application materials should be sent as a single PDF file via e-mail and in English. Questions concerning this position should be directed to Dr. Sebastian Mutz (sebastian.mutz@uni-tuebingen.de) or Prof. Todd Ehlers (todd.ehlers@uni-tuebingen.de). Additional information about the Earth System Dynamics research group is available at: www.geo.uni-tuebingen.de/esdynamics. Applications should be submitted via email to bewerbung@geo.uni-tuebingen.de. **The application deadline is the 30.10.2020**. The expected start date is flexible and should be close to 01.02.2021.

The University of Tübingen is committed to increasing the proportion of women in research and teaching positions and therefore encourages qualified candidates to apply. Disabled persons will be given preference if equally qualified. Employment takes place via the Central Administration of the University.