

The **Faculty of Applied Computer Science** of the **University of Augsburg, Chair for Regional Climate and Hydrology (Prof. Dr. Harald Kunstmann)** is offering a

PhD position (75%) in the field of climate and environmental sciences

for a fixed-term contract until 30.04.2024 (with options for extension) to be filled as soon as possible.

Research fields and responsibilities

The position belongs to the CONCERT project and is part of WASCAL (West African Science Service Center on Climate Change and Adapted Land Use), funded by the Federal Ministry of Education and Research in Germany (BMBF). CONCERT aims to identify emission mitigation options for the major greenhouse gases under climate- and land use changes in parallel to improving food security in the West African savanna. This position deals with a) the extension of WASCAL's current flux observation network, b) field measurements of water-, carbon- and nitrogen fluxes, c) validation of a regional Earth System Model (ESM) using field data. The successful candidate will be part of an international research consortium and jointly collaborate with 3 Postdocs and 4 PhD students. The work is done in close collaboration with the Campus Alpin of the Karlsruhe Institute of Technology in Garmisch-Partenkirchen.

Conditions of employment

- A MSc degree in climate and environmental sciences and related disciplines such as geocology, bio-geochemistry, hydrology, geography
- Willingness for fieldwork under tropical conditions in West Africa
- First experience with flux measurement equipment in the field
- Strong statistics skills
- Good programming skills, preferably in Python or R
- Willingness to present the research at workshops, international conferences and to publish international peer review articles
- Very good knowledge of English, good communication skills in German and French are an asset.

The salary is based on personal and collectively agreed conditions up to *Entgeltgruppe 13 TV-L*.

The University of Augsburg promotes the professional equality of women. Female candidates are explicitly invited to submit their application. The University of Augsburg stands up for compatibility of family and professional life. For more information, please contact the woman's representative office. Severely disabled applicants are given preferential consideration in the event of equal qualification.

The required qualifications have to be attached in the application papers by means of corresponding certificates/documents. Applications (please only in English) including the usual attachments (CV, certificates, documents, publication list, etc.) should be submitted as a single pdf-file **until June 7th, 2021** to:

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and to sina.berger@geo.uni-augsburg.de, in copy.