

Postdoctoral research fellow in Remote Sensing

(Wissenschaftlicher Mitarbeiter/ Wissenschaftliche Mitarbeiterin, EG 13 TV-L, 100%)

The **Center for Remote Sensing of Land Surfaces (ZFL)**, University of Bonn, Germany, offers a position for a postdoctoral research fellow in Remote Sensing starting from **1st October 2017**. The position is limited to 1 year, with the possibility of prolongation. The research associate will be employed in the interdisciplinary project “GlobalDrought” led by the University of Bonn. The project aims to develop a global drought information system to characterize drought events and their impact on water resources, crop productivity, food trade, food security and the demand for international food aid.

About ZFL:

ZFL is a well-known interdisciplinary center of the University of Bonn dedicated to research and teaching in the fields of Remote Sensing, Geo-information sciences and spatial modelling. We are an interdisciplinary and international team with members of various backgrounds, working on subjects related to applied Remote Sensing and Geo-information. ZFL has a modern and well-equipped laboratory available for research activities. ZFL runs research projects and supports teaching programs at the University of Bonn and beyond. More information on our center could be found here: www.zfl.uni-bonn.de.

Main tasks & responsibilities:

- Research on Remote Sensing based drought indices for the project’s case study studies.
- Product derivation (or improvement of existing products) of vegetation parameters’ (LST and LAI) from optical satellite data for crop yield modeling.
- Research on assimilation of vegetation parameters to the process-based crop yield model.
- Communication and active cooperation with the project partners and potential stakeholders.
- Undertake short field visits to the project case study areas.
- Support supervision of PhD, MSc, and BSc students in the context of the project.

Required skills and competences:

- Doctoral degree (or equivalent work experience) in Remote Sensing or Geomatics.
- Excellent understanding of principles in Remote Sensing as well as skills in handling and processing of Remote Sensing and GIS data; an experience with agronomic modelling is an advantage.
- Sound programming skills (R, Python etc.) for spatial application.
- Publication record in international peer-reviewed scientific journals.
- Excellent English skills, German language is of advantage.
- Excellent communication skills and team-oriented attitude in a collaborative environment

Please submit your application (in English) with reference number 2017/GlobDrought, containing a cover letter, statement of research interests (2 pages maximum), curriculum vitae with list of publications, copies of diplomas in one PDF document and by e-mail to Ellen Götz zfl@uni-bonn.de. Deadline for applications **21st August 2018**. For questions related to the offered position, please, contact Dr. Olena Dubovyk odubovyk@uni-bonn.de.

The University of Bonn is an equal opportunity employer that tries to increase the number of women in research and teaching. Applications of handicapped persons will be favored, when all other qualifications are equal.