



The environment needs
people like you
who put heaven and
earth in motion with us.



Your application:

Equal opportunities are an integral part of our personnel policy, we therefore particularly welcome applications from qualified women. Severely disabled persons are given priority where applicants are equally qualified.

Your contact for any questions you may have about the job:

Hans-Jörg Vogel

hans-joerg.vogel@ufz.de

Place of work: Halle (Saale)

Closing date for applications: May the 3rd of 2015

Please use our online application system for your application:

www.ufz.de/career

Helmholtz Centre for Environmental Research GmbH - UFZ

Permoserstraße 15
04318 Leipzig

The Helmholtz Centre for Environmental Research (UFZ) with its 1,100 employees has gained an excellent reputation as an international competence centre for environmental sciences. We are part of the largest scientific organisation in Germany, the Helmholtz community. Our mission: Our research seeks to find a balance between social development and the long-term protection of our natural resources.

The successful candidate will coordinate a working group focused on soil-landscape modelling. A major research area will be the quantification of spatial pattern of soil properties including uncertainties. This should be based on various pillars: (1) available data on geology, topography, land use and climate, (2) the current knowledge on soil genetic processes and (3) spatially continuous observations from geophysics and remote sensing. The research group is embedded in the program-oriented research agenda of UFZ. Its work will contribute to modeling water flow, solute transport and matter turnover within terrestrial systems at the scale from small catchments to landscapes. UFZ will provide state of the art infrastructure in terms of monitoring techniques (geophysics, UAV based sensors, remote sensing) and computing facilities.

Soil Scientist, Group Leader

working time: 100 % (39 hours per week), limited to 3 years with tenure track

Your duties:

- We expect a profound systemic understanding of soil processes including pedogenesis, as well as a solid knowledge of mathematical tools to handle spatially distributed data of different quality.
- A good understanding of models for flow and transport within terrestrial systems would be helpful.
- Another requirement is a demonstrated ability to work in an interdisciplinary environment, and a willingness to actively take responsibility for initiating and coordinating joint activities with colleagues from other UFZ-Departments and beyond.

Your profile:

- PhD in soil science or related disciplines (e.g. Geo-ecology, Environmental Sciences, Agriculture) and publications in reputable scientific journals.
- Profound knowledge of pedogenesis and of state of the art models for matter fluxes and matter turnover in soil.
- Relevant experience in organizing and designing field surveys in heterogeneous environments.
- Expertise in analysis of spatial data including implementation of specific programs.
- Demonstrated skills in interdisciplinary research at the interface between soil science, geophysics and remote sensing.
- Experience in international research cooperation.
- Excellent command of English.

We offer:

- Excellent technical facilities which are without parallel
- The freedom you need to bridge the difficult gap between basic research and close to being ready for application
- Work in inter-disciplinary, multinational teams and excellent links with national and international research networks
- A vibrant region with a high quality of life and a wide cultural offering for a balance between family and professional life
- Interesting career opportunities and an extensive range of training and further education courses
- Remuneration up to the TVöD public-sector pay grade 14 – depending on personal qualification - including attractive public-sector social security benefits

