

The Helmholtz Centre for Environmental Research - UFZ is a research institution within the Helmholtz Association. It provides scientific contributions to the safeguarding of the natural basis of life and of human development potentialities for current and future generations under the challenges of global and climate change. In this way the UFZ contributes towards a sustainable development.

The Department of **Computational Landscape Ecology** (www.ufz.de/cle) invites applications for an

Researcher (PostDoc) m/f code digit: 85/2011

to commence as soon as possible. The appointment is for an initial period of 3 years, an extension is aspired.

The candidate is expected to further develop the research on biotic ecosystem system services by establishing a model-based analysis that quantitatively shows how land use intensity and structure on a regional scale affects constituents of biological, supporting ecosystem services (such as bio-control, pollination, seed dispersal etc.) and how these affect final regulating or provisioning services. This analysis aims at providing process based understanding on trade-offs that occur between land-use, land use intensity and a variety of ecosystem services and identifies optimum land use patterns for supporting regional resource management of ecosystem services.

The researcher has the opportunity to develop a research group within the department. He/she is expected to supervise PhD and undergraduate students and to apply for 3rd party funding on the topics described above. Furthermore, research results should be published in international peer-reviewed journals. Cooperation within the department, the UFZ and projects in its recent research program are mandatory.

Applicants for the post have a background in biology and ecology profound knowledge on ecosystem functioning. Good experiences in model development and programming, data analysis and advanced statistics are obligatory as well as the ability in working with spatial/temporal explicit data. We expect very good written and oral communication skills in English and a publication track record in peer-reviewed journals. Ability for working in international interdisciplinary team is obligatory.

We offer excellent research opportunities within an interdisciplinary, international team, located in a very pleasant city. Funds for support through students internships.

The place of work is Leipzig, Germany. Salary will be according to the appropriate civil service level, salary group 14 TVÖD, depending on personal pre-conditions.

The UFZ is an equal opportunity employer. Women are explicitly encouraged to apply to increase their share in science and research. Physically handicapped persons will be favoured if they are equally qualified.

Further Information: Prof. Dr. Ralf Seppelt (ralf.seppelt@ufz.de)

Please send your application with curriculum vitae, certificates of academic degrees and reprints of most important publications under the code digit 85/2011. Please email your application with all documents in a single pdf-file that states your name and the reference number of this job description (e.g. [Smith_Peter_85_2011.pdf](#)) to application@ufz.de, or by mail to: personnel department, P.O. Box 500136, D-04301 Leipzig, Germany.