

Postdoctoral position (UNIVERSITÄT POTSDAM)
Bewerbungsfrist: 5.12.2008

Postdoctoral position in Ecohydrology

We are seeking a Postdoc to work within our interdisciplinary team. The work is part of the project "BIO-PORE - Linking spatial patterns of anecic earthworm populations, preferential flow pathways and agrochemical transport in rural catchments: an ecohydrological model approach" financed by the German Science Foundation (DFG). The overall objective of the project is to develop a coupled eco-hydrological model that allows predictions of

- the spatiotemporal distribution and population dynamics of earthworm species,
- the related pattern of connective preferential flow pathways, and
- the space-time pattern of infiltration and travel times distribution of solutes.

The Postdoc's coordinative and integrating work will focus on the eco-hydrological model that couples earthworm distribution and dynamics and the resulting burrow distribution with water and solute infiltration, transport, and sorption. This model will be used to simulate scenarios regarding management practices, tillage regimes, and application of different agro-chemicals.

Requirements

Applicants should have a PhD in Geoecology, Ecology, Hydrology, Soil Science or related fields and combine strong expertise in innovative field methods, data analysis and modelling preferably both in ecology and hydrology. Candidates should be team-players, fluent in English, and will be expected to publish results in peer-reviewed international journals. The willingness to do interdisciplinary research is a prerequisite for the applications. Potsdam University is an equal opportunity employer. Disabled persons with comparable qualification receive preferential status.

Applications

To apply, please send a cover letter describing your research interests, a complete CV and names with email addresses and phone numbers of two referees by email as a single pdf-file to both addresses below. Review will start on 5th December and will continue until the position is filled. For informal enquiries please contact Dr. Boris Schröder. Interviews are anticipated for the second week of December 2008. Place of work is Potsdam.

Contact

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