



UFZ-Umweltforschungszentrum  
Leipzig-Halle GmbH  
in der Helmholtz-Gemeinschaft

## **Research for the Environment**

Being an international competence centre for environmental research, UFZ is investigating the interaction between man and environment in used and disturbed landscapes. UFZ develops concepts and methods to assure a healthy environment for future generations.

The Department of Ecological Modelling is a partner in the project EcoTrade which is funded by the European Science Foundation and the Deutsche Forschungsgemeinschaft and investigates the application of the instrument of tradable pollution permits to problems of biodiversity conservation. Within this project the department is seeking a

### **PhD student (m/f)**

to work on the topic

#### ***Modelling of "Habitat Markets"***

The position is terminated for three years. The student will model the spatio-temporal dynamics of a habitat market where land development rights are traded. This includes the consideration of different institutional settings of the market and different types of behaviour of the market makers. On the basis of the results of the study, ecological modellers will investigate the impacts on the biodiversity. The research will be carried out in close co-operation with ecologists, economists and modellers at the UFZ and an international team (project partners: Alterra (The Netherlands) and the University of Nottingham).

Applicants should fulfil the following criteria:

- BSc/MSc/Diplom in economics, mathematics, physics, system theory or equivalent
- Good knowledge of mathematical and/or agent-based modelling
- Knowledge about the dynamics of markets or the willingness to acquire it
- Skills in computer programming (Delphi oder C++) or the willingness to acquire it
- Good English skills
- Interest in interdisciplinary research
- Ability to work in a team

#### **For further information please contact:**

Dr. Martin Drechsler, ph. +49-(0)341-235-2039, e-mail: martin.drechsler@ufz.de

The place of work is Leipzig, Germany.

Salary will be according to the appropriate civil service level TVÖD (13/2).

Women are explicitly encouraged to apply to increase their share in science and research.

Physically handicapped person will be favoured if they are equally qualified.

Please send your complete application documents including curriculum vitae, list of publications and references under the code digit **32/2006** up to **June 1st** to:

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