

The KIT Institute of Geography and Geoecology invites applications for a

PhD position (TV-L E 13, 50 %) – functional ecology / remote sensing

within the project *Combining empirical and physically based modelling approaches for habitat and vegetation monitoring*. The project is part of the BMWi-funded preparation of the EnMAP satellite mission and the successful candidate will join the respective workshops and summer schools (www.enmap.org).

At KIT - IfGG, the research group "Vegetation science and Biogeography" focuses on remote sensing and modelling of vegetation patterns to address questions of ecosystem functioning and biodiversity (www.ifgg.kit.edu/vegetation). The PhD project aims at the development of remote sensing methods for habitat mapping based on the detection of plant functional types in a multi-sensor and multi-season approach. The successful candidate is expected to present the results on conferences and in peer reviewed journals.

The position can be filled immediately for three years. Competitive applicants will hold a diploma / M.Sc. in a relevant subject. We expect a good knowledge or interest in vegetation science and / or plant ecology. Applications of candidates with skills in some of the following fields will be given preference: programming (in R, Python, C, or in a comparable language), geomatics, radiative transfer models, analysis of hyperspectral and other satellite imagery, analysis of field spectroscopy data.

KIT prefers to balance the number of female and male employees. We therefore kindly ask female applicants to apply for this job. If qualified, handicapped applicants will be preferred.

The position is open until filled. Please send the application (attached as a single pdf-file) to schmidtlein@kit.edu. The application should include a cover letter, CV, copies of certificates, list of publications and contact details of two referees. For further enquiries, please contact Prof. Dr. Sebastian Schmidtlein, Karlsruhe Institute of Technology (KIT), Institute of Geography and Geoecology (schmidtlein@kit.edu).

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