

# Georg-August-Universität Göttingen

Burckhardt-Institut  
an der Fakultät für Forstwissenschaften und Waldökologie

## Abteilung Waldinventur und Fernerkundung



The Chair of Forest Inventory and Remote Sensing invites applicants for a

## PhD research position (50 % 13TV-L)

for the project „**Hyperspectral Satellite Data for Forest Management Inventories**“ fix-termed until 1.9.2012 with the option of extension. This research is part of a joint project in cooperation with the Chair of Remote Sensing and Landscape Information Systems, University of Freiburg (coordination) and the Chair of Geoinformation Processing for Landscape and Environmental Planning, TU Berlin.

Overall objective is the estimation of biophysical forest characteristics from hyperspectral satellite data with a particular focus on the German hyperspectral satellite mission **EnMAP**. The Chair of Forest Inventory and Remote Sensing of Georg-August-Universität Göttingen will cover work packages on deriving spectral signatures by field spectroradiometer measurements and 3D modelling of the solar spectral reflectance of forest canopies on experimental sites in the Solling mountains, Germany.

### Qualifications:

- Diploma/MSc in forest sciences, geography, physics, agriculture, biology, geocology, environmental sciences, landscape ecology, or a closely related field.
- Strong skills in remote sensing data processing software (e.g. ENVI, Erdas Imagine), GIS software and basic knowledge of common computer languages.
- Basic knowledge of forest mensuration and forest inventory techniques and methods.
- Good command of quantitative methods in general.
- Keen interest in application and development of advanced image classification methods.
- Abilities both to work in an interdisciplinary team and to work independently.

**Start:** 1. September 2010  
**Duration:** 2 years (until 1.9.2012) with the option of extension  
**Position:** PhD student  
**Application deadline:** July 31, 2010  
**More information:** <http://www.uni-goettingen.de/en/67094.html>

Our institution seeks to foster career opportunities for female scholars and therefore strongly encourages qualified women to apply. Candidates with disabilities who are equally qualified for the position will receive special consideration. Applications via Email are possible. This position is under reserve of the final funding.

Applications and further requests should be directed to:

Prof. Dr. Christoph Kleinn (+49-551-393473, [ckleinn@gwdg.de](mailto:ckleinn@gwdg.de))

Dr. Hans Fuchs (+49-551-393469, [hfuchs@gwdg.de](mailto:hfuchs@gwdg.de))

Universität Göttingen

Faculty of Forest Sciences and Forest Ecology

Chair of Forest Inventory and Remote Sensing

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