

Doctoral Researcher (f/m/d)

Project A05 „Future Roads“

The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

The Collaborative Research Center CRC-TRR 228 „Future Rural Africa. Future-making and social-ecological transformation“ combines expertise from the two Universities of Bonn and Cologne to study newly emerging issues of social-ecological transformation and future-making in Africa. Project (A05) “Future Roads” aims at quantifying the impacts of road construction on land use change and soil-related ecosystem services in Kenya, and invites applications for 1 doctoral researcher.

YOUR TASKS

- » Conducting fieldwork in rural Kenya
- » Analysing soil-related ecosystem services
- » Gathering and analysing remote sensing and land-use change data
- » Preparing a stakeholder workshop
- » Developing a PhD thesis
- » Writing of scientific, project-related publications
- » Presentation of research findings at scientific conferences
- » Participation in and contribution to regular team meetings in Cologne and Bonn

YOUR PROFILE

- » A M.Sc. or equivalent degree in physical geography, geoecology, environmental sciences or related fields
- » Excellent knowledge of concepts and theories in land use change, spatial data analysis, modelling, and statistics; solid knowledge in soil science and soil hydrology
- » Excellent command of written and spoken English
- » Ability and willingness to travel independently for extended periods of time (e.g., for field work in Kenya)
- » Good knowledge of R and GIS, experience in lab work (e.g., for basic soil analysis)
- » flexible, team-oriented and interested in continuing your professional development

WE OFFER YOU

- » Opportunity to enroll in a structured PhD program at the department of Geosciences (GSGS) at the University of Cologne
- » a diverse and fair working environment
- » support in reconciling work and family life
- » flexible working time models
- » extensive advanced training opportunities
- » occupational health management offers
- » local transport ticket at a discount for UoC employees

The position is available from the 01.04.2022 on a part-time basis (65%). It is limited to the 31.12.2025. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please send your application (CV, motivation letter and extended summary of your master thesis) by email (in one pdf-file) with the reference number Wiss2112-15 to christina.bogner@uni-koeln.de. The application deadline is 30.01.2022.

If you have any questions, please contact
Prof. Dr. Christina Bogner
Prof. Dr. Gheorg Bareth