



**University of Bonn  
Center for Development Research (ZEF)  
(Jun-Prof. Lisa Biber Freudenberger)**

invites applications for the position of a

**Junior Researcher (65%, TVL 13)  
Transport Infrastructure Development and Biodiversity  
Application Deadline 31. July 2020**

The Center for Development Research (ZEF) is an institute of the University of Bonn, Germany. ZEF's researchers aim to find science-based solutions to development-related issues. ZEF's research departments on Economic and Technological Change, Political and Cultural Change, and Ecology and Natural Resources Management conduct inter and transdisciplinary research in, for and with emerging economies and on global issues with its collaborating research partners around the world. ZEF educates doctoral students in its Doctoral Studies Program. More information is available at [www.zef.de](http://www.zef.de).

In the project "At the Science Policy Interface: LANd Use SYnergies and CONflicts within the framework of the 2030 Agenda" (LANUSYNCON) we aim at the conceptual and practical integration of different perspectives, actors and research disciplines to support coherent land use decision making. The insufficient coordination between land use decisions of different political sectors often leads to conflicts of ownership, access and use. This is especially the case in sub-Saharan Africa, where the pressure on land is increasing. In LANUSYNCON we examine the complex trade-offs between different Sustainable Development Goals (SDGs). Knowledge about decision making and land use will be linked with the SDGs in an innovative way and translated into model-based policy decision and land use scenarios.

The junior researcher will be responsible for the analysis of synergies and conflicts between transport infrastructure development and biodiversity conservation in Kenya and Tanzania.

The position will start at the earliest possible date (October anticipated). The contract will be limited till 30<sup>th</sup> of June 2021 but might be extended until 31<sup>st</sup> of March 2025. The ambition to pursue an academic career including obtaining a doctoral degree is expected.

**We offer:**

- Joining a dynamic and international team of researchers.
- Participate in a new inter- and transdisciplinary research project with a focus on land use conflicts and synergies in Kenya and Tanzania.
- The opportunity to pursue research relevant for a subsequent doctoral thesis (depending on positive evaluation in June 2022).
- Conduct policy-relevant and integrative research on transport infrastructure (roads and railway) development in East Africa
- Collect data on biodiversity and rural development through field work in the East African context
- Analyse ecological and socioeconomic impacts of infrastructure development based on collected and secondary data.
- Develop a holistic cost-benefit analysis for different planned and realized infrastructure development projects

**Requirements and responsibilities:**

- Excellent Master degree in Biology, Landscape Ecology, Geography, Sustainability Science or related fields.
- Good understanding of the impacts of infrastructure on biodiversity and land use change.
- Experience in collecting biodiversity data in the field.
- Analytical skills (quantitative data analyses) with GIS and R.
- Highly proficient in both spoken and written English.

**Other skills which may be an advantage for the applicant:**

- Research/Work experience in Africa.
- Experience in decision analysis, Bayesian analysis or other probabilistic modelling approaches.
- Experience in cost-benefit analysis, stated preference methods and/or environmental impact assessments.

The position will start at the earliest possible date (October anticipated). Applications (cover letter, CV and certificates) should be sent by e-mail **in one pdf document** (less than 2 MB) to Jun-Prof. Lisa Biber-Freudenberger [lfreuden@uni-bonn.de](mailto:lfreuden@uni-bonn.de). Shortlisted candidates will be invited for an online interview. ZEF promotes the equality of women and men. Women are therefore especially encouraged to apply.