

Faculty of Environmental Sciences

At the **Department of Geosciences, Institute of Geography** the **Chair of Computational Landscape Ecology** offers, subject to the availability of resources, a project position as

Research Associate / Postdoc

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **October 1, 2021**. The position comprises 80% of the fulltime weekly hours and is limited for 36 months. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position is part of the transdisciplinary research project "ECO²SCAPE – Co-Design of Ecologically and Economically Efficient Policy Instruments and Measures for Conserving Biodiversity and Ecosystem Services in Cultural Landscapes".

ECO²SCAPE is funded by the Federal Ministry of Education and Research within the Research Initiative for Biodiversity Conservation (FEa). Together with local stakeholders, ECO²SCAPE will develop measures to conserve biodiversity and ecosystem services based on regional biodiversity targets in a co-design process, pilot them and accompany them with an innovative, systemic and transdisciplinary research approach. The Chair of Computational Landscape Ecology will especially investigate the ecological effects of current and potential measures for the protection of biodiversity (birds, plants, bats, locusts) and ecosystem services (carbon storage, water purification) in the landscape context of the model region. We are looking forward to a new colleague who supports this work, wants to bring own ideas and initiatives into the research project and enjoys working in an open-minded, international and creative project team.

Tasks: Research with strong focus on biodiversity modelling, in particular analysis of primary field data from the project (e.g. bird surveys), habitat suitability modeling of selected indicator species; development and implementation of landscape models for allocating cooperative measures; coordination of fieldwork for passive ecoacoustic monitoring of birds, bats and locusts; active participation in the project consortium (including regular project meetings, data management, collaboration with researchers from computer science, environmental economics, political science); writing of scientific publications and presentation of research results at stakeholder workshops and international conferences; project based supervision of student assistants and final theses.

Requirements: university and PhD degree in ecology or related fields with focus on biodiversity and conservation biology; excellent skills in landscape ecological modelling; knowledge in handling spatial data (preferably in R and/or Python); proficiency in spoken and written English (German language skills are desirable, but not mandatory); strong publication record in international peer-reviewed journals on topics related to this position; self-driven, flexible and result-oriented work ethic; above-average organizational and communication skills; a penchant for working closely together with transdisciplinary project partners; class B driver's license (or EU equivalent); experience and willingness to conduct field work. Ornithological knowledge is desirable.

We offer: An international working atmosphere; attractive working conditions and opportunities for further education at the Technische Universität Dresden; flexible working hours and the possibility to combine family and career.

If you have any questions, please contact: Prof. Dr. Anna Cord (anna.cord@tu-dresden.de) or Dr. Jan Engler (jan_oliver.engler@tu-dresden.de).

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your detailed application (incl. letter of motivation, curriculum vitae, certificates and diplomas) with the reference "Wiss_E2S" by **August 20, 2021** (stamped arrival date of the university central mail service applies) via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de/>

as a single PDF document to jan_oliver.engler@tu-dresden.de or by mail to: **TU Dresden, Fakultät Umweltwissenschaften, Fachrichtung Geowissenschaften, Institut für Geographie, Professur für Modellbasierte Landschaftsökologie, z. Hd. Herr Dr. Jan O. Engler, Helmholtzstr. 10, 01069 Dresden**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: <https://tu-dresden.de/karriere/datenschutzhinweis>