



Technische Universität Berlin offers an open position:

Research Associate (PostDoc) - salary grade E13 TV-L Berliner Hochschulen - 2nd qualification period (to take up a full professorship for the first time)

part-time employment may be possible

Are you an innovative researcher willing to contribute to the next generation of modeling and mapping spatio-temporal changes of landscape patterns, nature conservation and biophysical fluxes with remote sensing methods, AI and/or physically-based models to gain new process understanding of drivers, pressures, state, impact, and response of Human-Environment Systems caused by climate and land use change? You are keen to raise new scientific questions and develop innovative national and international research proposals. You are interested in passing on innovations from science to ecology and environmental planning students in teaching. And you are an enthusiastic teammate willing to join us for exciting interdisciplinary and collaborative research and expand your scientific career.

Faculty VI - Institute of Landscape Architecture and Environmental Planning / Geoinformation in Environmental Planning

Reference number: VI-529/24 (starting at 01/01/25 / for 5 years / closing date for applications 29/10/24)

Working field:

As a researcher with teaching obligations (4 SWS), you will work on the interface of different research projects in the Geoinformation in Environmental Planning Lab at Technische Universität Berlin. The lab focuses on modeling and mapping spatio-temporal changes of landscape patterns and biophysical fluxes with remote sensing methods. We concentrate on the drivers, pressures, state, impact, and response of Human-Environment Systems caused by climate and land use change in natural and semi-natural environments with forests, grasslands, and urban green areas. Our methods include time series analysis from different sensors, AI applications and physically-based modeling. With drone measurements we bridge the gap from local to regional scale. Together with researchers from other disciplines and local stakeholders, we gain a better understanding of the Human-Environment Systems to identify future pathways to stay within the planetary boundaries. Do you want to know more about our work? Check out our page with news, recent publications, and projects. www.tu.berlin/en/geoinformation

If you have any questions, please contact Prof. Dr. Birgit Kleinschmit or Dr. Michael Förster (birgit.kleinschmit@tu-berlin.de; michael.foerster@tu-berlin.de).

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) and PhD with a proven international scientific track record in the field of vegetation remote sensing, and analysis or a closely related scientific field
- Have a vision of how novel earth observation approaches, data science, and AI can contribute to improve understanding of Human-Environment Systems
- Have knowledge about the practical implementation of remote sensing information in environmental planning and ecology
- Have experience in optical and radar earth observations, time series methods, AI and data science methods
- Have experience in programming in R and/or Python, statistics and GIS
- Have experience or an open mind for collaborative, inter- and transdisciplinary research and connecting different fields
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills.

Desirable:

- a car driver's license and drone flight license are an advantage for this position
- Experiences in teaching and academic administration

What we offer:

- Ambitious and varied tasks in a dynamic and international research environment
- State-of-the-art equipment for field work and data processing
- Public service benefits
- Extensive training opportunities
- Professional career advice offered by our in-house Career-Centre
- Flexible working hours and conditions
- Support with finding a good work-life balance
- Working in the center of Berlin, close to the main station

Please send your application **with the reference number** and the usual documents (cover letter including description of research interests and relevant experiences, a current CV, academic transcripts, a list of publications and contact details

of two referees) to Prof. Dr. Birgit Kleinschmit **only by email** (single pdf file; max. 5 MB) to **sekretariat@geoinformation.tu-berlin.de**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guarantee for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

Technische Universität Berlin - Die Präsidentin - Fakultät VI, Institut für Landschaftsarchitektur und Umweltplanung, FG Geoinformationsverarbeitung in der Umweltplanung, Prof. Dr. Birgit Kleinschmit, Sekr. EB 5, Straße des 17. Juni 145, 10623 Berlin

The vacancy is also available on the internet at <https://www.personalabteilung.tu-berlin.de/menue/jobs/>

