

The Department of Ecosystem Management, Climate and Biodiversity, Institute of Geomatics wishes to fill a

career position in compliance with § 99 (5) UG (tenure-track) in the field of Remote Sensing of Vegetation with a focus on Active and passive optical remote sensing data

(Reference code 72)

Working time: 40 hours per week

Term of the employment relationship: 1st of October 2026, limited to a period of 6 years

Allocation in compliance with the Collective Agreement for University Staff to job group:

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Gross monthly salary: (depending on previous eligible experience) at least: € 5.014,30 (14 × a year, in addition we also offer an attractive career development program and an extensive range of social benefits)

Target group

§99 (5) positions offer academics with high potential and the relevant achievements the opportunity of an academic carrier ranging from a postdoc position to that of assistant professor and on to associated professor. The position of associated professor can be achieved at the latest six years after the appointment. §99 (5) positions are aimed at academics with a doctorate/PhD degree, with high potential, who are close to or have already successfully completed a habilitation. Experience at other universities or research institutes abroad is expressly welcome.

Tasks and focus areas

- Research in the field of vegetation remote sensing with a focus on active and passive optical remote sensing data
- Development of remote sensing methods for recording and quantifying vegetation characteristics in the field of ecology, biodiversity research, agricultural and forestry
- Application and further development of empirical and AI-based evaluation methods (e.g. machine and deep learning) and/or process-based models in the field of remote sensing (e.g. radiation transfer models) and for provision of input data for models in the mentioned application fields

- Conducting drone flights and field campaigns, including proximal sensing, to collect validation and calibration data (e.g. functional plant characteristics/traits, plant/crop species, biomass, etc.)
- Main focus on optical remote sensing methods (active and passive systems), whereby the supplementary use of radar remote sensing is welcome
- Publication activities in internationally competitive journals in the field of remote sensing and the above-mentioned areas of application
- Acquisition and management of competitively funded national and international research projects
- Teaching and supervision or co-supervision of theses within the scope of legal possibilities
- Knowledge transfer and the promotion of junior researchers in line with the social responsibility of BOKU University
- Performance of administrative tasks as part of university self-governance
- Research in the field of geomatics with a focus on vegetation remote sensing
- Participation in cross-institutional focus areas
- Collaboration and networking with other departments at BOKU University and with stakeholders from the professional sector and public administration

Requirement profile

- Completed doctorate in a relevant field
- Solid professional experience in the scientific field as a postdoc
- Relevant experience in the acquisition and analysis of aircraft-based and satellite-based remote sensing data
- Very good methodological knowledge in the field of AI and/or process/physics-based models in the context of remote sensing
- Very good knowledge of remote sensing data analysis with either R or Python (or a comparable scripting language)
- Experience in acquiring third-party funding
- Excellent publication achievements as well as international orientation and recognition
- Willingness and ability to lead your own research group including evidence of previous success in acquiring the necessary funding (third-party funding)
- Enthusiasm for excellent teaching and teaching experience in either remote sensing or the aforementioned fields of application
- Experience in (co-)supervising theses

- Excellent written and spoken English skills and good German skills or a willingness to learn German during the first two years
- Experience and willingness to cooperate with other disciplines
- Willingness to participate in relevant focus and cooperation programmes at the university

Other desired qualifications

- International experience as well as experience in teaching and leadership at universities and research institutions
- Organizational and personnel management skills, including skills in gender and diversity management as well as inclusion and communication accessibility
- Experience in conducting field campaigns, including drone flights
- International teaching experience
- Experience in university self-administration
- Ability to network with relevant partners from the field and public administration

Publication date: 13th of April 2026

Closing date for applications: 18th of May 2026

BOKU University seeks to increase the number of its female faculty and staff members. Therefore, qualified women are strongly encouraged to apply. In case of equal qualification, female candidates will be given preference unless reasons specific to an individual male candidate tilt the balance in his favour.

People with disabilities and appropriate qualifications are specifically encouraged to apply.

Please submit your application in English incl.

- Curriculum vitae with detailed presentation of professional, teaching and research activities including mandatory indication of the ORCID
- List of all publications (peer-reviewed/non-peer-reviewed), presentations and projects
- Electronic transmission of the PDF files of five of your own publications that you consider to be particularly important
- Rough concept for future plans in research and teaching, including your contribution to the scientific profile of the Department
- Teaching portfolio, including evaluation results
- Brief explanation of why you believe you are particularly suitable for this position (max. 1 page)

and indicating the reference code 72 to recruiting@boku.ac.at until 18th of May 2026.

If you are invited to a personal interview, travel expenses can be reimbursed on presentation of invoices and proof of payment (in Europe up to max. 300 euros, outside Europe up to max. 1200 euros).

www.boku.ac.at