

Research Scientist (PostDoc) (m/f/d)

Forest management

The Ecosystem Dynamics and Forest Management Group at the TUM School of Life Sciences, Technical University of Munich studies how forests change in time and space. We quantify these changes, identify their causes and describe their impacts on biodiversity and ecosystem services. To do this we use a combination of diverse methods, from empirical research to remote sensing and simulation modeling. A quantitative understanding of ecosystem dynamics provides the foundation for the development of robust management concepts for the sustainable provisioning of diverse ecosystem services and for maintaining the integrity and diversity of ecosystems in a changing world. We are looking to fill the position of a

Research Scientist with PhD (PostDoc) (m/f/d) in the field of forest management, full-time, available from August 2024 (or until filled).

Your profile

- Completed excellent PhD in the field of forest management, silviculture, forest ecology, or related fields
- International publication activity
- Good communication skills
- Ability to work in a team
- Experience in managing and conducting research projects desirable
- German language skills desirable (teaching, communication with local stakeholders)
- Driving license category B desirable (access to field sites)

Your tasks

You will conduct research on current challenges in forest management, with a focus on addressing the climate and biodiversity crises through ecosystem management. Within this broad field you will develop your own research agenda, potentially including (but not limited to) the response of forest management to changing natural disturbance regimes, the sustainable provisioning of forest ecosystem services to society, and the conservation of biological diversity through silvicultural measures.

Specifically, tasks include:

- Development of a research agenda addressing forest management in a changing world
- Application and further development of quantitative methods in research on forest management (e.g., simulation modelling, remote sensing, decision support systems)
- Analysis of existing long-term monitoring data and contributions to further improving forest monitoring activities
- Grant acquisition, management and implementation of projects on forest management
- Contributions to evidence-based forest management decision making
- Supervision of students (e.g., in the context of BSc and MSc theses)
- Teaching BSc and MSc students at the TUM School of Life Sciences
- Publication of peer-reviewed scientific papers in international journals
- Contributions to our core collaborations with Berchtesgaden National Park and the Traunstein City Forest
- Active participation in national and international collaborative projects and research networks
- Science communication of research findings to local, national, and international stakeholders

Our offer

- Work in a highly dynamic research group at the forefront of the field
- Opportunity to develop your own research agenda in a motivated, interdisciplinary team with a large international network
- Tap into our wide network of scientists and stakeholders in forestry and related fields
- Collaborate across the value chain within the TUM.wood network
- Teaching at the Technical University of Munich, possibility for Habilitation (venia legendi)
- Full-time position according to remuneration group TV-L E13, initially limited to a period of three years (with potential for extension)
- The place of employment is the TUM School of Life Science in Freising, Germany
- Severely handicapped persons will be given preference in case of essentially equal qualification
- The TUM aims to increase the proportion of women in its staff; applications from women are therefore expressly welcomed

Contact

Please send your application with relevant documents by May 30 2024 at the latest to:

Technical University of Munich

Chair of Ecosystem Dynamics and Forest Management

attn. Violeta Aramayo

Hans-Carl-von-Carlowitz-Platz 2

85354 Freising, Germany

Email: bewerbung.edfm@ls.tum.de

For questions about the position, please contact Prof. Rupert Seidl, rupert.seidl@tum.de.

In case of an online application (preferred) we ask you to send the documents collected in a single pdf file.

In case of a written application, we ask you to send us copies only, as we are unfortunately unable to return your application documents once the procedure has been completed.

As part of your application for a position at the Technical University of Munich (TUM), you will be submitting personal data. Please refer to our data protection information in accordance with Art. 13 of the General Data Protection Regulation (DSGVO) <https://portal.mytum.de/kompass/datenschutz/Bewerbung/> regarding the collection and processing of personal data as part of your application. By submitting your application, you confirm that you have taken note of TUM's data protection information.

Find out more about us at <https://www.edfm.ls.tum.de/> and <https://www.nationalpark-berchtesgaden.bayern.de/>