



OeAW - Discovering the future

As a central non-university institution for science and research, the **Austrian Academy of Sciences - OeAW** has the task of "**promoting science in every respect**". Founded in 1847 as a learned society, it now has over 760 members and around 1,800 employees dedicated to innovative basic research, interdisciplinary knowledge exchange and the dissemination of new insights. The OeAW initiates and maintains partnerships worldwide and represents Austria in international scientific organizations; it cooperates with numerous institutions in the scientific field in order to actively **shape the research landscape**.



Praedoc (Diss) (f/m/x) in the Transfer Group

Job ID: RICAM062DOC226

The Austrian Academy of Sciences (OeAW), Austria's leading non-university research and science institution, is offering a Position as

Praedoc (Diss) (f/m/x) in the Transfer Group

(part-time, 30 h per week)

The position is available for a duration of one year with the possibility of extension for up to three additional years. Place of employment is Linz. The working languages are English and German.

Your Tasks

The hired person will work on the project Predicting Arctic Tundra ecosystems development (ARTECO), which is funded by the Austrian Science Fund (FWF). This is and a cooperation project involving Potsdam Institute for Climate Impact Research (PIK, Germany) and University of Zurich (UZH, Switzerland). Topics of research will include the mathematical modeling and simulation of the development of the heat transfer in permafrost soil under different climate-induced temperature scenarios, including the impact of snow coverage, shrubbery and fire. Another topic is related to the identification of soil parameters that determine energy fluxes and permafrost dynamics using inverse problems techniques. The developed algorithms and methods will be integrated into the LPJmL Dynamic Global Vegetation Model. Close cooperation with the partners at PIK and UZH is required, which will involve not only visits to the project partners but also participation in field work.

For more information contact Prof. Ronny Ramlau at ronny.ramlau@ricam.oeaw.ac.at.

Your Profile

- Master Degree in Mathematics or a related field.
- Strong background in numerical mathematics, modelling and simulation is required.
- Knowledge in Inverse Problems.
- Experience in programming (e.g., Matlab, C, Python).
- A high level of competence in oral and written English.

Our Offer

- Excellent opportunities to work in a lively research environment and collaborate with international experts in the fields related to the project.
- The minimum annual gross salary for this position is EUR 53.140,92 (full-time based), in accordance with the collective agreement of the Austrian Academy of Sciences (ÖAW). For part-time employment, the salary will be adjusted on a pro rata basis in line with the agreed working hours.

APPLY NOW

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply. The OeAW cooperates with NEBA and is a member of MyAbility in order to provide appropriate workplace structures, in particular for persons with disabilities.

Contact

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