

At the University of Vienna more than 11,000 personalities work together towards answering the big questions of the future. Around 7,700 of them do research and teaching, around 3,000 work in administration and organisation. We are looking for a

Postdoc in Atmospheric Transport Modelling

53 Faculty of Earth Sciences, Geography and Astronomy

Job vacancy starting: 08/11/2025 | Working hours: 40.00 | Classification CBA: §48 VwGr. B1 lit. b (postdoc)

Limited contract until:

Job ID: **5620**

Explore and teach at the University of Vienna, where over 7,700 brilliant minds have found a unique balance of freedom and support. Join us if you're passionate about groundbreaking international research and academic excellence. Ready to be part of our team? Let's shape the future together!

Your personal sphere of play:

The research group “**Atmospheric Transport Processes**”, led by Prof. Andreas Stohl, is part of the Department of Meteorology and Geophysics. The group develops the Lagrangian transport model FLEXPART and studies all aspects of transport in the atmosphere, ranging from greenhouse gases to pollutants, water vapour and heat, and we use inverse modelling techniques to determine sources of greenhouse gases, radionuclides, or air pollutants. Our future research strategy also includes studies of the higher atmosphere.

To learn more about our team, we invite you to visit our website: <https://flexteam.univie.ac.at/>. To learn more about FLEXPART, visit <https://www.flexpart.eu/>.

We seek a highly motivated postdoctoral researcher, who will contribute to the research conducted in our team. While we expect you to work with the FLEXPART model, you can also propose your own research topics. These could be, for instance, theoretical and numerical improvements of FLEXPART, development of new application fields for the model, or novel applications of the model in research fields that we already cover (e.g., analysis of ice core data; transport of heat, water, greenhouse gases, radionuclides or air pollutants in the atmosphere; inverse modelling; Lagrangian re-analyses; transport climatologies).

Your future tasks:

Active participation in research, teaching, and administration, which means you will in particular:

- Contribute to the maintenance and further development of the Lagrangian transport model FLEXPART;
- Using FLEXPART, you will conduct research on topics that you can select yourself within the general interests of our group;
- Write and contribute to project applications and the acquisition of third-party funding, and help to manage projects;
- Provide scientific and technical support to team members, FLEXPART co-developers, PhD and master students;
- Teach independently within the scope of the provisions of the collective bargaining agreement, including the co-supervision of BSc and MSc theses;
- Publish your scientific results in peer-reviewed journals;
- Strengthen the collaborative culture of our team and the Department.

You will require:

- Completed Ph.D. / Doctoral degree in the atmospheric sciences (e.g., meteorology, climatology), or a related field;
- Strong programming skills;
- Data analysis and interpretation experience that is guided by theoretical/physical understanding and not only by application of statistical methods or artificial intelligence;
- A good team spirit and willingness to collaborate;
- Very good command of the English language.

These skills would be an advantage:

- Experience with Lagrangian transport models;
- Expert knowledge of programming, preferably in Python and/or Fortran.

What we offer:

A longer-than-average postdoctoral contract with freedom to choose your specialized research topics:

This is a university-funded position that will allow you more freedom than typical project-funded positions. It will give you the chance to shape your research profile and establish yourself as a leading expert in the field.

Inspiring and supportive working atmosphere: You will be part of an international team in a healthy and fair working environment with excellent research infrastructure. You will not perform your work in isolation but collaborate with a strong research team.

Fair salary plus health care and social benefits: The gross salary of at least EUR 5.014,30 (payable 14 times per year) allows for a comfortable life in a vibrant city with affordable housing prices and quick access to the outdoors.

Work-life balance: You have flexible working hours and the option to partly work remotely (within Austria) upon agreement.

Training and coaching: We offer you the opportunity to develop your skills on an ongoing basis.

Equal opportunities for all: We welcome diverse personalities in our team!

The University of Vienna aims to become carbon neutral by 2030: We fully support low-carbon options for travelling.

The position is available from **11 August 2026**, but a later starting time is possible. The review of applications will begin on **25 June 2026**. The search will continue until the decision is made but we aim for a decision as soon as possible after that.

We offer an initial contract for three years. This contract can be extended to six years in total by mutual agreement.

It is that easy to apply:

- With a short letter stating your interest in the position, and ideas of what you would like to do with FLEXPART;
- With your CV including a list of publications;
- With contact details of two persons who could provide a recommendation upon request;
- Via our job portal / Apply now - button.

If you have any content questions, please contact:

Andreas Stohl
andreas.stohl@univie.ac.at

We look forward to new personalities in our team!

The University of Vienna has an anti-discriminatory employment policy and attaches great importance to equal opportunities, the advancement of women and diversity. We lay special emphasis on increasing the number of women in senior and in academic positions among the academic and general university staff and therefore expressly encourage qualified women to apply. Given equal qualifications, preference will be given to female candidates.

University of Vienna. Space for personalities. Since 1365.

Data protection

Application deadline: 06/24/2026 (MM-DD-YYYY)

Post Doc