

The University of Vienna (19 faculties and centres, 178 fields of study, approx. 9.600 members of staff, about 92.000 students) seeks to fill the position from 01.01.2019 of a

**University Assistant (prae doc)  
at the Department of Meteorology and Geophysics**  
to 31.12.2021.

**Reference number: 9002**

Have you ever wondered about lightning and thunder, and what connects them?

The project ThunderSeis ("Seismic analysis of thunder infrasound") will give you the opportunity to investigate that, using the seismological AlpArray network, and the Austrian lightning detection system. Your work can provide detailed insight into the mechanisms of lightning and thunder generation. The work will focus (in part) on the striking observations of infrasound propagating across Eastern Austria, which we've made earlier this year using the seismological AlpArray network, during a severe convective weather event on May 2, 2018 in and around Vienna.

You will work in a strongly interdisciplinary environment and in an emerging field of science. Your studies will include analysis of infrasonic thunder recorded on seismic stations, using the multi-year coverage of the AlpArray seismic network and the Austrian lightning detection system ALDIS. This approach will provide insight into thunder generation, regional infrasound propagation in the Alpine region, and seismo-acoustic coupling.

Funding for this predoctoral position is provided by the Emerging Field Grant 2018 of the Faculty of Earth Sciences, Geography and Astronomy, to stimulate and strengthen research across the Faculty's key research areas in new emerging fields.

**Duration of employment:** 3 year/s

**Extent of Employment:** 30 hours/week

[Job grading in accordance with collective bargaining agreement](#): §48 VwGr. B1 Grundstufe (praedoc) with relevant work experience determining the assignment to a particular salary grade.

**Job Description:**

Participation in research, teaching and administration; in particular in research studies, and in publications.

We expect the successful candidate to sign a doctoral thesis agreement within 12-18 months. Participation in teaching and independent teaching of courses as defined by the collective agreement.

**Profile:**

- Completed Diploma or Master degree in Geophysics or neighbouring disciplines (Physics, Meteorology, Acoustics, or Electrical Engineering)
- Computer and programming knowledge are required
- Knowledge of English language is a must (excellent command of written and spoken English), German language is a bonus
- Methodological and didactic competence
- High ability to express yourself both orally and in writing
- Ability to work in a team

Basic experience in research methods and academic writing.

Application documents:

- Letter of motivation
- Academic curriculum vitae
- List of publications, evidence of teaching experience (if available)

- Degree certificates

**Research fields:**

<b>Main research field</b>	<b>Special research fields</b>	<b>Importance</b>
Geosciences	General geophysics	MUST

**Education:**

<b>Educational institution</b>	<b>Educational level</b>	<b>Special subject</b>	<b>Importance</b>
University	Natural Sciences	Physics, Mechanics, Astronomy	SHOULD

**Languages:**

<b>Language</b>	<b>Language level</b>	<b>Importance</b>
English	Very good knowledge	MUST

Applications including a letter of motivation (German or English) should be submitted via the Job Center to the University of Vienna (<http://jobcenter.univie.ac.at>) no later than 08.11.2018, mentioning reference number 9002.

For further information please contact Bokelmann, Götz +43-1-4277-53720.

The University pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity (<http://diversity.univie.ac.at/>). The University lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.

Human Resources and Gender Equality of the University of Vienna

**Reference number: 9002**

E-Mail: [jobcenter@univie.ac.at](mailto:jobcenter@univie.ac.at)

[Job Centers Data Privacy Policy](#)