Ref.: 750/22

Vienna, 10.06.2022

The Department of Numerical Weather Prediction (NWP) in the framework of the partial legal capacity of the Zentralanstalt für Meteorologie und Geodynamik (ZAMG) offers a position in Vienna as

NWP model developer (f/m/x)

with an employment extent of 40 hours per week (full time).

The NWP Department at ZAMG has a long tradition in developing and operating numerical weather prediction models as a basis for its weather related services. Currently the limited area model AROME is used in combination with a variational data assimilation system and operated on different spatial and temporal resolutions. AROME is being developed at ZAMG in close cooperation with national and international research partners.

Job profile:

The new staff member will join the NWP (Numerical Weather Prediction) development section at ZAMG and actively participate in the development and improvement of the AROME based weather forecast systems. The successful candidate will have the following duties and responsibilities:

• Running and developing the AROME weather model and associated configurations (including data assimilation and data pre-processing)
• Implementing and testing additional/new observation types within the AROME variational data assimilation system
• Exploring and evaluating the impact of additional/new observations on the analysis and forecast quality applying statistical verification methods
• Testing and developing AROME and its configurations on successively higher spatial and temporal resolutions
• Cooperating with national and international scientific partners (e.g. Met services, universities) and presenting new research results at international workshops and conferences and participating in research projects
• Contributing to the acquisition of national and international research projects

Requirements/Essential Skills:

• Unrestricted access to the Austrian labor market
• A university degree or equivalent in meteorology, physics, mathematics or a related subject
• Ability to work and develop within a Linux/Unix environment

- Experience in the field of atmospheric/numerical weather prediction modelling
- Knowledge of scientific programming using a high-level programming language (e.g., Fortran, C/C++, Python)
- Good working knowledge of English language (spoken and written
- Ability to work as part of a team, high level of commitment, interest in continuing education/training

Beneficial Skills:

- Good working knowledge of the German language (spoken and written)
- Experience to work and develop on high performance computing facilities
- Experience in the acquisition, execution, and management of national and international research and cooperation projects
- Experience with software versioning system and platforms (e.g. Git and GitLab/GitHub)

Salary:

In analogy to the federal VB-scheme (v1/1) and depending on the candidate's background and qualifications: € 3.050,20 (gross) per month; the salary approx. 5% lower during the 6-month period.

Duty Station and place of employment:

Austria, 1190 Vienna, Hohe Warte 38

Start of employment:

As soon as possible

Working time:

40 hours per week (full time), in the framework of the partial legal capacity of ZAMG

Duration of employment:

Limited in time for 3 years with option for extension. New employees go through a probationary period of one month.

Application:

Interested candidates are invited to send their application documents (motivation letter plus CV, including diploma certificates) per E-mail to Mrs. Andrea Ehrlich andrea.ehrlich@zamg.ac.at and to bewerbung@zamg.ac.at **until 10.07.2022**

The invitation for an interview will be sent to the candidates via E-mail. Please note that ZAMG will not refund any travel and accommodation expenses for travels to/from Vienna for the interview.

Note that with your application, you expressly agree on processing of your personal data.

As the NWP development team wishes to increase the percentage of female team members, we especially encourage women to apply.