

Reference: 703/23

Vienna, 20.04.2023

The GeoSphere Austria, Federal Institute for Geology, Geophysics, Climatology and Meteorology as an institution under public law with its own legal personality is now offering a position as

Scientist for AI-based postprocessing (f/m/x).

At GeoSphere Austria, the position is allocated to the Post-Processing competence unit in the Division of Meteorological Services & Regional Offices, Department of Analysis & Model Development with an employment scope of 40 hours per week, limited until end of 2025, with a place of work in Vienna.

GeoSphere Austria is the national geological, meteorological, climatological and geophysical service in Austria. We combine over 150 years of experience and competence with the latest research results and always put the needs of the people in the foreground in all our endeavors. With more than 500 experts, we are the knowledge partner on the topics of weather, climate change, geology, the environment, natural hazards and groundwater.

We offer:

- A meaningful area of responsibility with personal creative freedom
- Individual training opportunities and technical courses
- Short lines of communication
- An effective and innovative team
- Flexible working hours through flextime and home office
- A family-friendly environment
- Various prospects to actively take part within international and national cooperations

Your tasks:

- Developing of, but not exclusively, NWP post-processing methods considering innovative data science technologies
- Applying statistical and deep learning techniques to support uncertainty quantification with special emphasis on weather-related extremes
- Processing big data, data analysis, implementation of statistical and AI-based methods for optimization and downscaling of numerical weather forecasts
- Evaluation and verification of deterministic and probabilistic forecasts
- Permanent cooperation and communication with internal and external users
- Participation in international project meetings, scientific conferences and reporting
- Close cooperation with national and international scientific partners (e.g. Met services, universities), especially with the ACCORD consortium.

Requirements/Essential Skills:

- University degree, or equivalent, in a discipline related to meteorology, physics, mathematics, geosciences or computer science is required

- Experience working with statistical post-processing techniques, data analysis and user-oriented AI applications
- Experience with large data sets, databases and meteorological data formats
- Knowledge about statistics, evaluation and verification of numerical model outputs with appropriate software (e.g. Python, R)
- Excellent programming skills in Python using AI-related software (e.g., Tensorflow, Keras, PyTorch)
- Experience with code versioning (e.g. git) and collaboration platforms (github, gitlab)
- Ability to work/develop within a Linux/Unix environment and good knowledge of shell scripting languages
- Fluent in English (both spoken and written), elementary skills and willingness to learn German
- Ability to work as part of a team, high level of commitment, interest in continuing education/training
- Social and communication skills
- Unrestricted access to the Austrian labor market

Salary:

Analogous to the federal VB-scheme (v1/1) and depending on background and qualifications of the candidate, but at least EURO 3.289,40 (gross, 14 times per year).

Place of work:

GeoSphere Austria, Hohe Warte 38, 1190 Vienna, Austria

Start of employment:

As soon as possible

Working time:

40 hours per week (full time)

Duration of employment:

The contract is limited until 31 December 2025; new employees go through a probationary period of one month.

More information:

Alexander Kann / Head of Post-Processing / alexander.kann@geosphere.at

Application:

Interested candidates are invited to send their application documents **until including 13.06.2023** via E-mail to alexander.kann@geosphere.at and bewerbung@geosphere.at **containing the reference 703/23 in the subject.**

Please enclose the following documents with your application:

- CV
- Motivation letter
- relevant diploma and certificates

The invitation for an interview (on-site or online possible) will be sent to the candidates via E-mail. Please note that GeoSphere Austria will not refund any travel and accommodation expenses for travels to/from Vienna for the interview.

We especially encourage women to apply.

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