



## Head of Operations High-Performance Computing (HPC)

f/m/d • Full-time • 1190 Vienna

### Working for our future!

GeoSphere Austria is the national geological, geophysical, climatological, and meteorological service in Austria. We combine over 150 years of experience and expertise with the latest research findings, always prioritizing the needs of people in everything we do. With more than 500 experts, we are the knowledge partner for topics such as weather, climate change, resource security, geology, environment, natural hazards, and groundwater.

### Your impact:

You will lead the operation and advancement of one of Austria's most powerful HPC infrastructures, ensuring reliable, advanced computing for science and society. Your expertise will directly support research crucial to weather forecasting, climate modeling, and natural hazard analysis. You will unify innovation, stability, and sustainability in HPC.

### As part of our team, you will be responsible for the following tasks:

- Lead the HPC and vGPU competence unit, managing team development, budget, and resource planning
- Ensure the operation of the HPC infrastructure (Cray XD 2000) in an ISO 27001:2022 certified environment, including incident, change, and emergency management in cooperation with internal clients and external service providers
- Drive the strategic development of the HPC and vGPU environment, including cloud and hybrid solutions
- Ensure compliance, data protection, and license management in HPC operations.
- Continuously monitor and assess new HPC technologies and applications, fostering innovation in implementation and supporting strategic planning
- Collaborate and exchange knowledge with national and international partners such as weather services, HPC centers, and HPC manufacturers
- Act as Austria's Computing Representative to the European Centre for Medium-Range Weather Forecasts (ECMWF), representing Austria in daily matters related to the use of ECMWF's IT services

### Your skills:

- Completed relevant technical Master's degree (University or University of Applied Sciences)
- At least three years of relevant professional experience in a comparable position.
- Proven leadership skills and experience managing interdisciplinary teams.

- Expertise in project and stakeholder management, ideally in international research environments
- Excellent communication and coordination skills
- High service orientation, reliability, and commitment
- Excellent command of German and English, both spoken and written

#### **Desired skills:**

- **HPC System Architecture:** Profound knowledge of clusters, processor architectures, hybrid systems, parallel file systems (e.g., Lustre), interconnects (e.g., Slingshot, InfiniBand), and job schedulers (e.g., PBS, SLURM)
- **High Availability Solutions:** Expertise in implementing robust, operational 24/7 HPC production environments
- **Operating Systems & Scripting:** Solid experience with Linux (e.g., SLES, RedHat) and scripting (e.g., Bash, Python) for automation and monitoring
- **Green IT:** Understanding of energy efficiency in HPC operations
- **Networking & Storage:** Knowledge of high-speed networks, topologies, and storage solutions for HPC workloads
- **Software Ecosystem:** Understanding of compilers, parallel processing (e.g., MPI, OpenMP), libraries, and scientific software stacks
- **IT Service Management:** Strong background in ITSM, ideally ITIL v3/v4 certified.
- **Cybersecurity:** Experience with access control and monitoring in HPC environments
- **Cloud-based HPC:** Familiarity with cloud-based HPC approaches and hybrid operation models
- **Scientific Workloads:** Understanding of workloads in meteorology, climate research, or geosciences
- **Research Projects:** Experience with international research projects, funding instruments, and project proposals
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#### **Your benefits with us:**

- **Annual gross salary: starting at EUR 60.543,00.** Initial salary may be higher based on applicable qualification and/or relevant experience
- **Paid lunch break:** 30 minutes
- **Additional leave:** A 6<sup>th</sup> week of vacation starting from the age of 43
- **Perks:** Pluxee vouchers, on-site cafeteria
- **Work model:** Flexible working hours (flex time and home office options)
- **Social impact:** Family-friendly working environment
- **Modern office:** Ergonomic workstations
- **Varied responsibilities:** Diverse and independent tasks
- **Room for growth:** Opportunity to actively shape processes and make an impact
- **Job security:** Work in a successful and crisis-proof organization making an important contribution to our future
- **Family-friendly employer**

**Join our team and help shape the future!**

**We look forward to receiving your application!**



Please submit your application **by 26<sup>th</sup> February 2026 (date of receipt)** quoting the reference code 645/25 by email to the GeoSphere Austria recruitment team at [jobs@geosphere.at](mailto:jobs@geosphere.at).

If you have any questions about the job tasks, you can contact Ernst Mosor at [ernst.mosor@geosphere.at](mailto:ernst.mosor@geosphere.at).

Please include the following documents with your application:

- Curriculum vitae
- Relevant certificates, references, and supporting documents

We value diversity and therefore welcome all applications – regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, as well as sexual orientation and identity. By submitting your application, you expressly agree to the processing of your personal data.

You will be informed about an invitation to a personal interview by email. Please note that we do not cover any costs (e.g., travel expenses) related to your application.

Your application documents will be stored in accordance with the European General Data Protection Regulation for the duration of the recruitment process and for up to 7 months after its completion. After this period, your data will be automatically and irrevocably deleted unless you explicitly consent to longer storage for future job postings.