Job Reference

164_23_CASE_GCASE_R3

Position

Atmospheric scientist and NWP Specialist (R3)

Data de tancament

Dimecres, 31 Gener, 2024

Reference: 164_23_CASE_GCASE_R3

Job title: Atmospheric scientist and NWP Specialist (R3)

About BSC

The Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS) is the leading supercomputing center in Spain. It houses MareNostrum, one of the most powerful supercomputers in Europe, was a founding and hosting member of the former European HPC infrastructure PRACE (Partnership for Advanced Computing in Europe), and is now hosting entity for EuroHPC JU, the Joint Undertaking that leads large-scale investments and HPC provision in Europe. The mission of BSC is to research, develop and manage information technologies in order to facilitate scientific progress. BSC combines HPC service provision and R&D into both computer and computational science (life, earth and engineering sciences) under one roof, and currently has over 900 staff from 55 countries.

Look at the BSC experience:

BSC-CNS YouTube Channel

Let's stay connected with BSC Folks!

We are particularly interested for this role in the strengths and lived experiences of women and underrepresented groups to help us avoid perpetuating biases and oversights in science and IT research.

Context And Mission

We are particularly interested in this role in the strengths and lived experiences of women and underrepresented groups to help us avoid perpetuating biases and oversights in science and IT research. We seek a passionate and talented Atmospheric scientist and NWP specialist to join our team. In this role, you’ll have the chance to apply your amazing skills and experience to extreme weather forecasting and early
warning products. We look for someone who is a quick and willing learner, and who is not afraid to get involved and form part of a close-knit team.

**Key Duties**

- To be specialized in numerical weather prediction and extreme weather modelling with a focus on severe convective hazards.
- To contribute to the study of climate processes and their impact on regional and local weather patterns and extremes at different time scales.
- To collaborate with other scientists and software developers, business analysts and software architects to plan, design, develop, test, and maintain software products and services.
- To contribute to the development and implementation of catastrophe risk modelling solutions for the humanitarian and insurance sectors to enhance societal resilience to natural hazards and mitigate climate change impacts.

**Requirements**

- **Education**
  - To have a Ph.D. degree in atmospheric science, meteorology, atmospheric physics and dynamics or any other related field.

- **Essential Knowledge and Professional Experience**
  - Proven track record in the study of severe convective systems and related hazards.
  - Expert in numerical weather prediction.
  - Experience or strong interest in AI/ML tools and their application to extreme weather modelling and forecast.
  - Experience in statistical downscaling for the definition of regional distribution and time evolution of small-scale features given large-scale coarse resolution analyses, forecasts, or simulations.

- **Competences**
  - Deals well with ambiguity.
  - Approaches the job with a focus on providing excellent research focused on applied science.
  - Ability to take ownership of and work independently to manage projects through to completion.
  - Very strong analytical and organizational skills.
  - Detail orientation, thoroughness, reliability, and ability to prioritize are required.
  - Proficiency in English is a must. Good handling of Spanish is required.
Conditions

- The position will be located at BSC within the CASE Department
- We offer a full-time contract (37.5h/week), a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, restaurant tickets, private health insurance, support to the relocation procedures
- Duration: Open-ended contract due to technical and scientific activities linked to the project and budget duration
- Holidays: 23 paid vacation days plus 24th and 31st of December per our collective agreement
- Salary: we offer a competitive salary commensurate with the qualifications and experience of the candidate and according to the cost of living in Barcelona
- Starting date: Asap

Applications procedure and process

All applications must be made through BSC website and contain:

- A full CV in English including contact details
- A Cover Letter with a statement of interest in English, including two contacts for further references - Applications without this document will not be considered

In accordance with the OTM-R principles, a gender-balanced recruitment panel is formed for every vacancy at the beginning of the process. After reviewing the content of the applications, the panel will start the interviews, with at least one technical and one administrative interview. A profile questionnaire as well as a technical exercise may be required during the process.

The panel will make a final decision and all candidates who had contacts with them will receive a feedback with details on the acceptance or rejection of their profile.

At BSC we are seeking continuous improvement in our recruitment processes, for any suggestions or feedback/complaints about our Recruitment Processes, please contact recruitment [at] bsc [dot] es.

For more information follow this link

Deadline

The vacancy will remain open until a suitable candidate has been hired. Applications will be regularly reviewed and potential candidates will be contacted.
OTM-R principles for selection processes

BSC-CNS is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission and the Open, Transparent and Merit-based Recruitment principles (OTM-R). This is applied for any potential candidate in all our processes, for example by creating gender-balanced recruitment panels and recognizing career breaks etc.

BSC-CNS is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.

For more information follow this link

This position is reserved for candidates who meet the requirements and have the legal status of disabled persons with a degree of disability equal to or greater than 33%. In case there are no applicants with disabilities that meet the requirements, the rest of the candidates without declared disability will be evaluated.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación