Job Reference

500_23_ES_CS_R2

Position

Postdoctoral researcher - Climate services for the Renewable energy sector (R2)

Data de tancament

Dimarts, 16 Gener, 2024
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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

The aim of the Earth System Services Group (ESS) is to research the impact of weather, atmospheric chemistry and climate upon socio-economic sectors such as renewable energy, agriculture, water management, forest fires and urban development and demonstrate the ongoing value of earth system services to society and the economy.

Within this context, we are seeking a highly motivated postdoctoral scientist to conduct cutting-edge
research on climate services related to energy.

The person appointed will be involved in different EU and national-funded projects, with the aim of developing climate services at different time scales from sub-seasonal, to seasonal and multi-decadal for the renewable energy sector. The selected candidate will work with state-of-the-art climate predictions and projections models to obtain relevant climate indicators at both global and regional spatial scales. His/her activity will be positioned within the context of WMO’s Global Framework for Climate Services (GFCS), whose aim is to advance climate predictions to provide actionable sub-seasonal to decadal climate information to key sectors of society. This position, therefore, presents the opportunity to work alongside a wide range of leading international climate scientists delivering cutting-edge climate science and climate services across Europe. The position holder will enjoy joining one of the leading and most dynamic European groups in the field of climate services.

Successful candidates will benefit from expert training and BSC-CNS staff benefits: an international multidisciplinary scientific environment and advanced applied research training. We encourage applications from highly motivated candidates with demonstrated experience in climate science and interest in applied research projects within the context of climate services.

**Key Duties**

- Perform user-oriented research. Post-process climate simulations.
- Actively participate in the management of tasks and work packages in EU projects (participate in teleconferences workshops, meetings and writing deliverables)
- Perform statistical data analyses and disseminate the results in peer-reviewed scientific papers and international conferences
- Team work: Interaction with scientists in the group and the department to favor synergies
- Apply for competitive grants and projects

**Requirements**

- **Education**
  - Having a Degree in Physics, Environmental Sciences, Mathematics (or equivalent)
  - Ph.D. in atmospheric sciences, applied statistics or related field
- **Essential Knowledge and Professional Experience**
  - Experience handling, analysing and validating large climate model datasets
  - Experience with climatic statistical analyses
  - Proficiency in scientific programming in a suitable language (e.g. R, Python, Matlab) and familiarity with working in a UNIX environment
  - Excellent written and verbal communication skills in English, especially for scientific publications
  - Ability to work in a professional environment within a multidisciplinary and international team
- **Additional Knowledge and Professional Experience**
Experience working with sub-seasonal, seasonal or decadal climate predictions / climate change projections
- Experience working with climate extreme indices or bioclimatic indicators
- Experience in developing tailored indicators to specific sectors, such as energy, agriculture, water management or forest fires
- Knowledge on some of the following topics: statistical downscaling, multi-model combination techniques, bias adjustments techniques or tropical/extratropical teleconnections will be positively evaluated
- Experience in energy companies and consultancy companies will be positively evaluated

• Competences
  - Problem-solving, pro-active, result-oriented work attitude
  - Capability to work in an international and fast-paced work
  - Good communication skills

Conditions

- The position will be located at BSC within the Earth Sciences 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.
Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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