252_22_ES_ESS_R2

Job Reference

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Position

Researcher - Climate change adaptation for urban resilience (R2)

Data de tancament

Dilluns, 31 Octubre, 2022
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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, and is a hosting member of the PRACE European distributed supercomputing infrastructure. 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 770 staff from 55 countries.

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BSC-CNS YouTube Channel
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Context And Mission

The Earth System Services Group (ESS) at the Earth Sciences Department conducts interdisciplinary and transdisciplinary research to enhance the societal value of climate prediction services, atmospheric composition and weather forecasting. The group actively engages with society, decision-makers, and businesses to co-produce and exchange knowledge and develop user-oriented services. The work includes research on the impact of weather, atmospheric chemistry and climate upon socio-economic sectors such as renewable energy, agriculture, water management, forest fires and urban development. The aim of the ESS is to enhance knowledge co-creation and improve resilience by accelerating adaptation to a rapidly changing environment.
Within this context, we are seeking a highly motivated scientist to conduct cutting-edge research on climate change adaptation and environmental justice in urban social-ecological-technological systems.

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 urban areas. The selected candidate will work with state-of-the-art climate predictions and projections data to obtain relevant climate indicators to analyse climate change impacts by integrating social, ecological, and technological dimensions of urban systems. 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 join 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.

Key Duties

- Analyse climate change impacts by integrating social, ecological, and technological dimensions of urban systems
- Engage with users and stakeholders to co-design tailored indicators
- Provide and evaluate services for supporting urban adaptation
- Perform statistical data analyses and disseminate the results in peer-reviewed scientific papers and international conferences
- Actively participate in the management of tasks and work packages in EU projects
- Team work: Interaction with scientists in the group and the department to favour synergies
- Apply for competitive grants and projects

Requirements

- Education
  - Degree in Environmental Economics, Environmental Sciences, Physics (or equivalent)
  - Ph.D. in urban environmental management, atmospheric sciences, applied statistics or related field (or equivalent work experience)

- Essential Knowledge and Professional Experience
  - Experience in analysing climate and socio-economic datasets
  - Knowledge of programming languages (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 socioeconomic climate indicators
○ Knowledge of social justice, urban resilience and Nature-Based Solutions will be positively evaluated
○ Experience in urban planning and environmental consulting will be positively evaluated
○ Experience in the analysis of earth observations (satellite data)

○ 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, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, tickets restaurant, private health insurance, fully support to the relocation procedures
○ Duration: Open-ended contract due to technical and scientific activities linked to the project and budget duration
○ 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: July

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 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

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