

**Reference:** 1\_24\_ES\_GES\_R/RE4

**Job title:** Deputy director of the Earth Sciences Department (R4/RE4)

## 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. In instances of equal merit, the incorporation of the under-represented sex will be favoured.

## Context And Mission

BSC-CNS, recognised as a top high-performance computing centre in Europe and a large research centre with more than 1,000 employees, is looking for an exceptional candidate to join the Earth Sciences Department as deputy director.

The BSC Earth Sciences Department (BSC-ES) is a pioneering research entity dedicated to advancing environmental modelling, forecasting, and analysis. This is a very dynamic and internationally-recognised department with more than 190 members. The BSC-ES research focuses on weather, climate and air quality modelling and forecasting based on the high-performance computing, big data analysis, machine learning, and transdisciplinary work that brings together natural and social sciences and humanities.

BSC-ES is looking for a deputy director to work with the current director, the ICREA professor Francisco J. Doblas-Reyes, to provide leadership and management to the department, including analysis and implementation of priorities, partnerships, and infrastructure needs.

The candidate will work together with the BSC-ES director and group leaders to build an evolving strategic and technical roadmap and define the department technical goals. He/she will engage with stakeholders across local, national and international governments, other groups at BSC, media, partners, and funding agencies to support the development and impact of the organisation internally and externally.

## Key Duties

- Strategic planning and alignment:
  - Cooperate with the BSC-ES director and group leaders to provide leadership and management, including assessment and implementation of priorities, partnerships, and infrastructure needs.
  - Participate in strategic planning and analysis to support the department projection in time.
  - Perform risk assessment and crisis management.
  - Work with funding institutions and industrial partners in identifying their research priorities and how the BSC-ES expertise and interest can be tapped.
  - Organise departmental activities and information systems such as the department wiki.
- Stakeholder management:
  - Cultivate and maintain relationships with industry partners, funding agencies, the media and public administrations.
  - Engage with the BSC trustees (Universitat Politècnica de Catalunya, Generalitat, Spanish government) to define the department strategy.
  - Act as a liaison with other BSC departments to foster collaboration (e.g., financial and technical).

- Manage and promote initiatives and synergies of the BSC-ES both internally and externally.
- Act as an institutional scientific representative for the BSC-ES in engagements with the members of the Board of Directors and the Scientific Advisory Board of BSC.
- Performance monitoring and reporting:
  - Monitor departmental risks and achievements of KPIs.
  - Identify and implement innovative project management protocols and practices.
  - Support strategic planning, financial projections, and budget development.

## Requirements

- Education
  - PhD in climate, ocean, atmospheric sciences, physics, engineering, or a related discipline.
- Essential Knowledge and Professional Experience
  - A minimum of 5 years of experience in the scientific area as a principal investigator or group/team leader.
  - Strong experience in managing resources and securing grants at both national and international levels.
  - Demonstrable experience in managing multidisciplinary research teams.
- Additional Knowledge and Professional Experience
  - Familiarity with environmental modelling and the associated technical matters.
  - Solid record of relevant publications in peer-reviewed journals.
  - Credible scientific leadership with the ability to build excellent stakeholder relationships and enabling a team of world-class experts to perform to the best of their abilities.
  - Excellent record in managing resources and obtaining grants both at national and international levels.
  - Fluency in English. Knowledge of Spanish and Catalan language will be valued.
- Competences
  - Proven initiative and ability of guiding a large, multicultural research department.
  - Ability to take initiative, prioritise and work under set deadlines and pressure.
  - Strong organisational and budgetary management skills.
  - Excellent interpersonal and decision-making skills.
  - Capacity to cooperate and build strong relations with a diverse stakeholder/staff base.

## 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: August

## **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@bsc.es](mailto:recruitment@bsc.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](#)