In the frame of 4 projects financed by the Italian National Recovery and Resilience Plan (PNRR - NextGenerationEU funds), the research group in Dynamics of Ecosystems and Computational Oceanography of the Oceanography Section of OGS (https://www.ogs.it/en) is hiring 14 staff units for researchers and technologists (deadline for applications: 4th May).

Call n. 10/2023 - Announcement of public selection for the recruitment of 9 staff units in the profile of Data Scientist / Technologist (full-time, 2-year employment contract) in the broad field of high performance computing (HPC) applications for oceanography.
Proven ability is required within topics related to: management and/or use of computing systems and networks, information technology, computational applications and software development, parallel computing, implementation of technologies for digital twins and data science.

- Profile 1: 5 positions in the field of computational applications and software development, scientific programming, parallel computing and implementation of technologies for digital twins (TeRABIT project).
- Profile 2: 2 positions in the field of computational applications and software development, numerical methods, parallel computing, data analysis and management, visualization systems and digital twin technologies (iNEST project).
- Profile 3: 2 positions in the field of management and use of high-performance computing and cloud systems related to the upgrade of the PRACE-Italy Tier-1 system (TeRABIT project; workplace: Cineca, Bologna).

More information (in italian):
https://www.ogs.it/it/concorsi/bando-102023-concorso-pubblico-titoli-ed-esami-lassunzione-con-contratto-di-lavoro-tempo

Call n. 11/2023 – Announcement of public selection for the recruitment of 3 staff units in the profile of Researcher (full-time, 2-year employment contract) in the field of the analysis of marine ecosystems and the impacts of climate change, using the integration of models and data-driven approaches (TeRABIT project).
Proven ability is required within topics related to: Earth system modeling (also at the regional scale) and interactions between its components, modeling of marine ecosystems, analysis of multi-scale impacts of climate change in the Mediterranean Sea and in marginal seas, data-driven modeling and analysis of large volumes of climate and oceanographic data.
More information (in italian):
https://www.ogs.it/it/concorsi/bando-112023-concorso-pubblico-titoli-ed-esami-lassunzione-con-contratto-di-lavoro-tempo

Call n. 14/2023 – Announcement of public selection for the recruitment of 2 staff units in the profile of Data Scientist / Technologist (full-time, 2-year employment contract) in the field of Data Science applied to oceanography.
Proven ability is required within topics related to computational applications and software development, parallel computing, implementation of technologies for digital twins, 3D visualization and/or in the field of statistical analysis and machine learning of environmental data, preparation and management of simulations and analysis of large volumes of environmental data, including climate.

- Profile 1: 1 position for the analysis of marine-coastal environmental data and processes, through 'Data analysis methods' and/or optimization and development of numerical codes (ITINERIS project)

- Profile 2: 1 position for the production and analysis of simulations at the Mediterranean scale and for the Italian seas and calculation of environmental indicators (RETURN project).

More information (in italian):
https://www.ogs.it/it/concorsi/bando-142023-concorso-pubblico-titoli-ed-esami-lassunzione-con-contratto-di-lavoro-tempo

ABOUT YOU

We are looking for scientists and technologists with proven capacity, good planning skills and the ability to work efficiently and with high levels of energy, initiative, internal motivation, and capability to operate both independently and as part of a team. You will have enthusiasm, the willingness to exploit your skills in ocean sciences and to do research for the benefit of communities, pursuing sustainable growth, and seeking the opportunity to develop your career. You will be able to actively participate in the R&D activities of collaborative research projects and have a desire to become a future leader in your field.
We expect that your skills and qualifications include:
- as a minimum education requirement, a University Degree (MSc or equivalent) in Science, Technology, Engineering and Mathematics (STEM) disciplines, e.g., Physics, Mathematics, Environmental Sciences, Engineering, Chemistry, Biology, Computer Sciences;
- good experience in computational sciences or statistics, with knowledge and proven use of scientific programming languages or advanced software environments (e.g. Fortran, C, Python, Matlab, R);
- a PhD (or 3-year equivalent experience) in any topic involving computational science and/or data-driven approaches to the activities covered by the call will be considered advantageous.

ABOUT US

The research group in Dynamics of Ecosystems and Computational Oceanography (ECHO) focuses on quantitative approaches to oceanography, marine biogeochemistry and ecosystem dynamics. ECHO's research activity includes the development, analysis and use of models of varying complexity (physical models, biogeochemical models, food webs, ecological models) with applications at a broad range of scales, spanning from local high-resolution studies, to basin-wide regional models and climatic projections. Applications include the assessment of natural and anthropogenic pressures on marine systems, carbon and nutrient cycling, biodiversity and ecosystem functioning, ecosystem approach to fisheries and aquaculture, operational oceanography and data assimilation, analysis of integrated eco-socio-economic systems, and sustainable development. The ECHO group is currently composed of about 40 people, who are collaborating widely with other groups in Italy and at the international level, in the framework of various research projects, services, programmes and networks. ECHO offers a lively research environment and excellent infrastructure in terms of laboratories and state-of-the-art equipment.
For more info: https://www.ogs.it/en/dynamics-ecosystems-and-computational-oceanography

More information on the PNRR projects: https://www.ogs.it/it/progetti-pnrr

For specific inquiries about the call, please contact concorsi@ogs.it