

**Company
Description**

BC3 is a Research Centre on the causes and consequences of climate change. Led by one of the most recognized scientists in the Climate Change field -Prof. Maria José Sanz, we produce multidisciplinary knowledge to support decision making towards sustainable development at the international level. With a multidisciplinary team, connected to the main scientific institutions, networks and socio-economic agents, for a decade, our contribution to research of climate change and to the science-policy interface puts us in a unique position to offer knowledge, tools, new methodologies and cross-cutting proposals, that we lead towards action in a collaborative framework with stakeholders, to design and help implement policies aimed at sustainable development.

Information

 **Deadline:** 2021-08-25
 **Category:** Academia
 **Province:** Bizkaia

 **Country:** Basque Country
 **City:** Leioa

Company**BC3 Basque Centre for Climate Change****Main functions, requisites & benefits****Main functions**

The Basque Centre for Climate Change (BC3) opens a competitive call for applications for a Research Assistant to contribute to the ARIES (ARTificial Intelligence for Environment and Sustainability) platform, a semantic web infrastructure that uses artificial intelligence (AI) to build computational solutions to environmental, policy and sustainability problems. This technology, based on machine reasoning, machine learning, distributed computing and high-performance, multi-disciplinary and multi-paradigm system modelling, is the flagship product of the Integrated Modelling Partnership (IMP) which is expected to serve a growing number of worldwide users (from academia, governments, NGOs and industry) in the years to come. Specifically, the Applicant will: Support the data management operations of ARIES and its networked technology (k.LAB) developed at BC3. Scrap and select publicly served online data which can be of use for the ARIES user base. Annotate semantically global data to be made available for the ARIES user base. Develop simple models in k.IM, the declarative language used by k.LAB, with specific focus on marine applications.

Requisites

Strong analytical skills and an ability to learn quickly and to think outside the box. Our work is very innovative and you should expect your job to be as intellectually challenging as rewarding. A strong motivation and a desire to learn and explore new technologies are a must. Excellent interpersonal and communication skills. Excellent written and oral command of English. A degree in Computer Science, Ecology, Geography, Engineering, or other fields of relevance to Ecoinformatics. A working knowledge of geomatics and in particular open source GIS: OGC services, Geotools, Geoserver etc. A strong background in data management, along with programming skills (any language and in particular Python, Java, R and Julia). Experience with database management systems such as PostgreSQL. Familiarity with Docker containers and deploying production software. Full fluency with Git and Maven technologies across the entire build-test-release cycle.

Benefits

As a HR Excellence Awarded Institution, BC3 is committed to conciliate research-academic requirements and family duties. BC3 is particularly concerned with creating equality opportunities for people. Women with relevant qualifications are therefore strongly encouraged to apply for the position.