## Company Description

We are 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. BC3 is particularly concerned with creating equality opportunities for people. Women with relevant qualifications are therefore strongly encouraged to apply for the position.

## Information

Deadline: 2020-12-20
Category: Business
Province: Bizkaia
Country: Basque Country
City: Leioa

## Company

BC3 Basque Centre for Climate Change

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BASQUE CENTRE FOR CLIMATE CHANGE
Klima Aldaketa Ikergai

## Main functions, requisites & benefits

### Main functions

The RL generates multidisciplinary scientific knowledge from human-nature interdependence to address complex sustainability problems through artificial intelligence (AI). The goal of the RL is to provide environmental data, models and understanding by retrieving, evaluating and integrating the existing information in order to support an effective policy-making where nature counts. Besides Ecosystem Services, the RL also tackles Natural Capital Accounting, Food Security, Marine Spatial Planning, and Renewable Energy. The selected candidate will: 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.

### Requisites

We are looking for an individual who can support strategic activities related to integrated data science and collaborative, integrated modelling on the semantic web (semantic meta-modelling). 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. Experience with an agile development process with industry-standard issue tracking, continuous development and deployment (BC3 uses the Atlassian toolchain: Jira, Bamboo, Confluence). Experience with machine learning will be an asset. An ability to work independently, with a diverse, multi-location and multi-lingual team.

### Benefits

As a HR Excellence Awarded Institution, BC3 is committed to conciliate research-academic requirements and family duties.