POSTDOCTORAL RESEARCHER – FOREST MANAGEMENT AND MODELLING

Bizkaia talent

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: 2020-10-30
Category: Academia
Province: Bizkaia
Country: Basque Country
City: Leioa

Company

BC3 Basque Centre for Climate Change

bc³ BASQUE CENTRE FOR CLIMATE CHANGE
Klima Aldaketa Ikergai

Main functions, requisites & benefits

Main functions

A Research Position in Forest Management and Modelling, including aspects of ecosystem services, forest and their role in mitigation and adaptation to climate change, including ecological, socioeconomic and environmental aspects, using a combination of methodologies. The main objective will be the restoration of ecosystem services and water cycle while addressing climate change mitigation and adaptation in Mediterranean watersheds. The selected candidate will collaborate with the ARIES (Artificial Intelligence for Ecosystem Services) BC3 community to integrate forest restoration and management models into the semantic web infrastructure that uses artificial intelligence to build computational solutions to environmental, policy and sustainability problems. The ultimate aim will be provide/inform decisions on forest restoration focusing on achieving water and carbon co-benefits, as well as others as deemed appropriated, through a co-production process with the local and regional actors in watersheds. To collect all literature relevant to the topic (water, forest, climate feedbacks) and synthetize the knowledge: To ocllect and analyze the data related to forest land use dynamics and drivers of change in the Mijares Valley. To adapt and/or develop forest algorithms and models to be integrated in ARIES, with the aim of integrate them within a holistic, integrated trade-off assessment framework for decision- and policy-making; To participate as part of the BC3 team in the participatory process/sectorial dialogues in the Mijares Valley, in particular in the aspects related to forest restoration and management.

Requisites

The applicant must have a PhD in forestry, ecology or other relevant fields to forest sciences. A good background in computational modelling is required, along with programming skills. The applicant must have excellent interpersonal and communication skills. Excellent written and oral command of English is required. An ability to work in teams. Applications including previous experience in the analysis and specific forestry country programs and its relations/linkages with other sectors of the economy will be given priority.

Benefits

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