Post-Doctoral offer in forest modelling

Reference: 21-06-00004

The Forest Science and Technology Centre of Catalonia (CTFC), located in Solsona (Pre-Pyrenees, 120 km from Barcelona), Spain, employs app. 100 staff, produces >100 scientific articles annually and has a turnover of app. 6 Mil. €/year. Further institutional information is available at: www.ctfc.cat/en .

CTFC's research activity is organised around three programs: 1) Multifunctional Forest Management; 2) Landscape Dynamics and Biodiversity; 3) Bioeconomy and Governance. As part of the Landscape Dynamics and Biodiversity, CTFC undertakes research on forest growth and yield modelling, ecosystem services provision modelling, innovation in multi-purpose forest planning at different scales targeting different ecosystem services, as well as developping forest simulators.

Within this program, CTFC is seeking to appoint a post-doctoral senior researcher to lead and conduct fundamental and applied research related to:

- Modelling forest dynamics under different climate and management scenarios.
- Multi-objective forest management & ecosystem services.
- Simulating future scenarios and their implication in forest management.

TERMS OF THE APPOINTMENT

- This contract may start on July 2021 (start could be delayed to September if necessary).
- It is a full-time position with a duration of 4 years (with possibility of contract extension).
- The candidate will be based at CTFC in Solsona (NE Spain), working as member of the Multifunctional Forest Management Program (MFM).
- The candidate will be part of the coordination team of a new 4-year project related to Forest management, timber provision and other ecosystem services. Especially, he/she will coordinate specific tasks on the development, calibration and validation of a forest simulation system at regional/national scale.
- Based on CTFC labour categories, annual gross salary will be adjusted to the foreseen role (Project Principal Investigator, Team leader) and will be commensurated with the specific profile of the selected candidate (qualifications and experience), ranging between 34.000 – 42.000€/year.
- Integration policy: priority to the position for candidates with disabilities.

TASKS

Key responsibilities will include:

- Development (design, parametrization, programming and validation) of forest models.
- Linking forest dynamics and related ecosystem services at different scales, under different climate change and management scenarios.

- Simulating the effect of different policies on the provision of timber and different ecosystem services at regional/national scale.
- Project proposals preparation and fundraising.
- Publication and dissemination of results in scientific and technical meetings and knowledge transfer activities.
- Establishing and coordinating a team of forest dynamics modelling within the PRECFOR group.
- Contribution to other institutional activities.

REQUIREMENTS

- A completed PhD on Forest Sciences or related suitable discipline for the main topic of this call. Master's degree in forestry, Forests Sciences, Biology, Environmental Sciences, or equivalent is an asset.
- Expertise in programming and in using advanced statistical techniques. Expertise in using R will be an asset.
- Experience in leading and/or managing R+D projects related to the offer topic. Experience in international (especially European) research projects is an asset.
- Authorship of relevant publications in high impact journals.
- Good communication skills. Ability to interact with stakeholders.
- Experience in coordinating research groups, team management and knowledge transfer activities.
- Advanced knowledge of English and proficiency in Spanish, both spoken and written. Catalan is an asset.
- Readiness to work in multi-disciplinary teams.

SELECTION PROCESS AND CRITERIA

The selection process is led by the Human Resources Area of CTFC. This process consists of:

1. **Admission of candidates:** applicants must submit a curriculum vitae and letter of intent addressed to dep.personal@ctfc.es, **until 28th June 2021**, indicating the reference code of the offer.
2. **Pre-selection:** verification of compliance with the minimum requirements of the offer.
3. **Selection :** assessment of the preselected candidates by scoring based on objective criteria and interview.
4. **Final decision:** in case of finding the suitable person, the election will be formally communicated to him/her, and the identification of the chosen person will be published on CTFC job openings section.

Further information: dep.personal@ctfc.es