

## Modelling applications & biodiversity big data management

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Reference: 21-06-00006

**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](http://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 developing forest simulators.

Within this program, CTFC is seeking to appoint a principal 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

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- This contract may start on August 2021 (start could be delayed to September if necessary).
- It is a full-time position with a duration of 1 year (with possibility of contract extension).
- The candidate will be based at CTFC in Solsona (NE Spain), working as member of the Landscape dynamics and Biodiversity Program (LDB).
- The candidate will coordinate the Biodiversity Information Facility at the CTFC. Especially, he/she will coordinate specific tasks on the development, calibration and validation of a biodiversity models and their application to a variety of biodiversity conservation applications.
- Based on CTFC labour categories, annual gross salary will be adjusted to the foreseen role and will be commensurated with the specific profile of the selected candidate (qualifications and experience), ranging between 35.000 – 39.000€/year.
- Integration policy: priority to the position for candidates with disabilities.

### TASKS

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Key responsibilities will include:

- Development (design, parametrization, programming and validation) of biodiversity models.
- Maintenance of large scale biodiversity databases both in the CTFC and in collaboration with partner institutions.
- Involvement in practical biodiversity conservation applications.

- Project proposals preparation and fundraising.
- Publication and dissemination of results in scientific and technical meetings and knowledge transfer activities.
- Establishing and coordinating the team of the Biodiversity Information Facility in the LDB program.
- Contribution to other institutional activities.

## REQUIREMENTS

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- A completed PhD on Biological Sciences or related suitable discipline for the main topic of this call.
- Extensive expertise in database management and in using advanced biodiversity modelling 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 team management and knowledge transfer activities.
- Advanced knowledge Catalan and proficiency in Spanish and Spanish, both spoken and written.
- Readiness to work in multi-disciplinary teams.

## SELECTION PROCESS AND CRITERIA

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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](mailto:dep.personal@ctfc.es), until 20<sup>th</sup> July 2021, indicating the reference code of the offer.
2. **Pre-selection:** verification of compliance with the minimum requirements of the offer.
3. **Selection (July 2021):** 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](mailto:dep.personal@ctfc.es)