

Forest Science and Technology Centre of Catalonia (CTFC) is a research centre affiliated with the Generalitat de Catalunya (the Catalan government), and it reports to the Ministry responsible for forest issues.

CTFC is a CERCA centre and a government accredited TECNIO agent (developer of public technology).

It was granted a 'Human Resources Excellence in Research' award by the European Commission, recognizing CTFC as a European research institution that fosters an attractive and motivating work environment

KTT D+I SPECIALIST IN FOREST AND ENVIRONMENTAL SCIENCES

Reference: 24-10-00055

The Forest Science and Technology Centre of Catalonia (CTFC) is looking to recruit a **KTT D+I specialist in forest and environmental sciences and technology** to contribute to the development of multi-functional, multi-scales, multi-actor and cross-sectoral landscape management approaches to be applied to Mediterranean Biosphere Reserves by improving and applying a socioecological modelling tool to enhance adaptation and resilience to climate change in the Mediterranean area. She/he will contribute to the theoretical and applied research of the working team with skills and knowledge on:

- Geospatial analysis
- Design and conceptualization of resilient agroforest landscapes
- Landscape and forest simulation models (ecological modelling)
- Biodiversity and ecosystem services characterization and estimation
- Applying spatial optimization methodologies
- Stakeholder perceptions integration into environmental modelling frameworks

The Forest Science and Technology Centre of Catalonia (CTFC), located in Solsona (Pre-Pyrenees, 120 km from Barcelona), Spain, employs app. 150 staff, produces >100 scientific articles annually and has a turnover of app. 6 Mil. €/year. CTFC's research activity is organised around three programs: Multifunctional Forest Management, Landscape Dynamics and Biodiversity, and Bioeconomy and Governance. Further institutional information is available at: www.ctfc.cat/en.

As part of the **Landscape Dynamics and Biodiversity program**, the CTFC undertakes research on the ecology of landscapes and biodiversity in a global change context, innovation in multi-purpose forest planning at different scales targeting multiple ecosystem services, development of cutting-edge decision support systems for forest and agroforest planning, as well as fire ecology and other natural disturbances.

The candidate will be part of the **Landscape Modelling and Planning group** and will be involved in the execution of competitive research and knowledge transfer tasks related to the RES-MAB project that aims at promoting an integrated Water-Energy-Food-Ecosystems (WEFE) Nexus-based scheme for contributing to accelerate the transformation of Mediterranean Biosphere Reserves towards more resilient and climate change adaptive landscapes. This research position at the CTFC offers an excellent opportunity to develop a scientific career in applied forest and environmental sciences research in a stimulating and transdisciplinary working environment.

TERMS OF THE APPOINTMENT

1. The contract may start on November/December 2024. It is a full-time position with a scientific-technical activities contract related to the PRIMA RES-MAB project (Promoting WEFE Nexus-based adaptation and mitigation solutions and landscape resilience to climate change in the Mediterranean Biosphere Reserves).
2. Based on the labour categories of the CTFC, 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 24.000 - 28.000 €/year.
3. The candidate will be based at the CTFC headquarters in Solsona (NE Spain), with remote working options according to the institution norms (max. 20 h/week).
4. Working time: 37.5 hours per week
5. 23+6 days of holidays per year and good work-life balance conditions
6. Travelling abroad to collaborate with Southern Europe and Mediterranean researchers and stakeholders.

KEY RESPONSABILITES

Key tasks and responsibilities will include:

1. Contribution at the development of a socio-ecological modelling tool adapted to Mediterranean Biosphere Reserves
2. Biosphere Reserves data gathering and processing to be used in the modelling framework.
3. Collaboration in the implementation of complex data analysis: statistics and modeling and/or application of models and software. Scenario execution and analysis.
4. Drafting of technical reports and project deliverables based on the results obtained.
5. Participation in communication and dissemination activities (e.g. attendance at conferences, workshops and transfer activities) and development of dissemination materials.

BASIC REQUIMENTS

1. A MSc degree in environmental sciences, biology, forestry, agronomy, bioinformatics and biostatistics, or any related suitable discipline for the main topic of this call.
2. Demonstrated computer skills in the use of GIS for spatial data management.
3. Experience in programming (R, C++, Phyton) and using advanced statistical techniques.
4. Proven fluency in spoken and written Spanish and English.

DESIRABLE REQUIREMENTS

1. PhD in related suitable disciplines.
2. Previous participation in research projects, especially those related to applied ecology and climate change mitigation in agroforestry systems.

3. Proved knowledge on Biosphere Reserves, landscape dynamics, agro-forest ecosystems, forest dynamics models, land-use change models, ecosystem services evaluation processes, systematic planning, and multi-criteria decision analysis.
4. Proven leadership in co-creation processes and coordination of multi-stakeholder initiatives, particularly within the context of agro-ecosystems, sustainable land management, or community development. Experience facilitating collaboration across research institutions, local communities, and policy-making bodies is highly desirable.
5. Ability to disseminate scientific results.
6. Readiness to work in multi-disciplinary teams.
7. Excellent organizational skills and capacity to deliver tasks in a timely manner to deadlines.

SOFT COMPETENCES

1. Good communication skills.
2. Capacity to write technical reports.
3. Result oriented.
4. Flexibility and adaptation.
5. Availability to travel locally and internationally.
6. Initiative and pro activity.

CONTACT

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<https://ctfc.cat/>

<https://ctfc.cat/transparencia.php>

The CTFC guarantees an open, transparent, and merit-based recruitment process (OTM-R) to all registered candidacies, thereby avoiding any bias related to gender, origin, age, ideology, or other circumstances that could be discriminatory. Integration policy: Candidates who have a recognized disability and accredited equal to or greater than 33%, will be prioritized, provided that the disability is compatible with the proper performance of the job.

SELECTION PROCESS AND CRITERIA

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

1. Admission of candidacies: applicants must submit a curriculum vitae, motivation letter, and the two completed and signed annex documents found in the offer, enter in **www.ctfc.cat/registre.php, until 29th October 2024 at 14:00, indicating the reference code of the offer.**
2. Pre-selection: verification of compliance with the minimum requirements of the offer.
3. Selection (October 2024): 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 them, and the identification of the chosen person will be published on the CTFC job openings section.

Further information: borsa.treball@ctfc.cat

Indicative Calendar	
15 working days	Publication and dissemination of the job offer: the CTFC website, SOC Office and other dissemination channels.
Next 2 working days	Preselection: determination of compliance with the minimum requirements of the offer. Evaluation of the pre-selected candidacies, through a score based on objective criteria, suitable pre-selected CVs are forwarded to the Selection Committee for review. Sending informative mail to the applicants not suitable to continue in the process.
Next 2 working days	Selection committee celebration: Interviews with the selected suitable candidates. Selection Committee Minutes with the selected candidate and the reasons for the selection. Publication in the CTFC job board of the resolution identifying the selected person. Sending informational Mail to the interviewed not selected applicants.
Next 1 working day	Share with Human Resources the official documentation necessary to process the employment contract, and coordination for the start date of the contract.
November 2024 (approximately)	Start of the contract.