

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.

## Technician / Researcher offer in landscape ecology, environmental modelling, and forest planning

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**Reference:** 23-06-00006

The Landscape Dynamics and Biodiversity and the Bioeconomy, Health and Governance programs are looking to recruit a **technician/researcher** to work in landscape ecology and environmental modelling in a Horizon Europe project PYSOLO (PYrolysis of biomass by concentrated SOLar pOwer).

**The Forest Science and Technology Centre of Catalonia (CTFC)**, located in Solsona (Pre-Pyrenees, 120 km from Barcelona), Spain, employs app. 150 staff, produces >130 scientific articles annually and has a turnover of app. 7,5 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](http://www.ctfc.cat/en).

As part of the **Landscape Dynamics and Biodiversity program**, 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.

### TERMS OF THE APPOINTMENT

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1. The contract may start on September 2023 (start could be delayed if necessary).
2. It is a full-time position with a scientific-technical activities contract.
3. 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).
4. The candidate will be based at CTFC in Solsona (NE Spain), with remote working options according to the institution norms (max. 20 h/week).
5. Working time: 37.5 hours per week.

### TASKS

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Key tasks and responsibilities will include:

1. Develop the tasks of the PYSOLO project using GIS methodologies to map resource and availability of the potential of lignocellulosic biomass.
2. National Forest Inventories management for the calculation of forest biomass availability using allometric equations.

3. Any function or task that by its nature is entrusted to him (includes data preparation for statistical analyses, cartography preparation).

#### **BASIC REQUIREMENTS**

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1. Master and/or degree in Geographic Information Systems (GIS), forests science, environmental science, spatial planning, geography or equivalent
2. Demonstrated computer skills in GIS and database management.
3. Expertise in programming and in using advanced statistical techniques.

#### **DESIRABLE REQUIREMENTS**

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1. Experience in the use of advanced statistical packages in R.
2. Knowledge of spatial optimisation algorithms.
3. Readiness to work in multi-disciplinary teams.
4. Proven fluency in spoken and written English.
5. Excellent organizational skills and capacity to deliver tasks in a timely manner to deadlines.

#### **SOFT COMPETENCES**

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1. Team player.
2. Strong communication skills.
3. Critical thinking and attention to detail.
4. Ability to plan and organize.
5. Result oriented.
6. Flexibility and adaptation.
7. Initiative and pro activity.

#### **CONTACT**

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**CTFC guarantees an open, transparent, and merit-based recruitment process (OTM-R) to all registered candidacies avoiding thus any bias on gender, origin, age, ideology, or other circumstances that could be discriminatory.**

**Integration policy:** reservation of a place for staff with a certificate of recognized disability.

#### **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 [borsa.treball@ctfc.es](mailto:borsa.treball@ctfc.es), until August 15<sup>th</sup>, 2023, indicating the reference code of the offer.



2. **Pre-selection:** verification of compliance with the minimum requirements of the offer.
3. **Selection (from August 16<sup>th</sup> to August 31<sup>st</sup>, 2023):** 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: [borsa.treball@ctfc.cat](mailto:borsa.treball@ctfc.cat)