

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.

PhD CONTRACT ON SOIL AND FOREST MANAGEMENT

Reference: 22-12-00002

We are seeking a PhD candidate to work on understanding the effects of forest management on soil C stocks, biodiversity and functioning, under the supervision of Dr. Pere Casals, Dr. Jordi Garcia-Pausas, and Dr. Pere Rovira, in the context of the project FirePyr (Funded by the Spanish ministry of Science and Innovation) and in close collaboration with the EU-funded HoliSoils project (<https://holisoils.eu/>).

This PhD position at the CTFC is part of the Multifunctional Forest Management program, and offers an excellent opportunity to develop a scientific career in applied forest research in a stimulating work environment. This link provides more information about the Research institute: <https://www.ctfc.cat/en/>

The Forest Science and Technology Centre of Catalonia (CTFC), located in Solsona (Pre-Pyrenees, 120 km from Barcelona), Spain, employs app. 120 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.

TERMS OF THE APPOINTMENT

1. This contract may start on February 2023.
2. It is a full-time position with a duration of 3 years (with possibility of contract extension).
3. Based on CTFC labour categories, annual gross salary will be 22.724,55 aprox.
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 day: full time, 37.5 hours per week.
6. 23+6 days of holidays per year. Good family-work balance conditions
7. Travelling abroad to collaborate with European or American researchers

KEY RESPONSABILITIES

Key responsibilities will include:

1. Design and conduct research to better know the effects of different forest management options on soil functioning.
2. Publish the first article during the first-year contract in a SCI journal with a focus on the effects of prescribed burnings on soil C stocks and dynamics.

3. Conduct baseline studies, field campaigns and laboratory soil analysis to document the effects of different forest management options on soil ecosystem services.
4. Contribute to the development of soil database to assist forest dynamics models.
5. Contribution to other institutional activities.

BASIC REQUIREMENTS

1. Degree in forestry, plant ecology, or soil science or related fields
2. Proven fluency in spoken and written English.
3. Skills in using R for data management and statistical analysis

DESIRABLE REQUIREMENTS

1. Master's degree
2. Proven experience in field-based research and statistical analyses
3. Demonstrated experience in writing scientific manuscripts
4. Communications in international conferences
5. Additional fluency in Spanish or French.
6. Proficiency in using GIS/remote sensing, and ecological modelling

SOFT COMPETENCES

1. Team player.
2. Critical thinking and attention to detail.
3. Capacity to work under pressure.
4. Ability to plan and organize.
5. Result oriented.
6. Flexibility and adaptation.
7. Initiative and pro activity.
8. Availability to travel locally and internationally.

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

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 motivation letter addressed to borsa.treball@ctfc.cat, until **10th January 2023 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 (end of January 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