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).

Postdoctoral Researcher in Air Quality, Wildfires and Human Health

Reference: 26-10-00051

The selected candidate will work on projects within both the Atmospheric Modelling and Extreme Wildfires Group and the Biosphere Reserves and Biocities Group, contributing to the identification, preparation, and implementation of projects related to air quality monitoring, extreme meteorological phenomena such as wildfires, and human health.

This research position at the CTFC offers an excellent opportunity to develop a scientific career in applied forest science research within a stimulating and transdisciplinary working environment.

Within these two groups, the CTFC seeks to recruit a Postdoctoral Researcher to conduct both fundamental and applied research primarily focused on:

- Air quality and aerosol characterization using sensors and Earth observation data (Atmospheric Modelling and Extreme Wildfires Group).
- Developing pioneering research on the relationship between the environment and human health (Biosphere Reserves and Biocities Group).

Located in Solsona (Pre-Pyrenees, Catalonia), CTFC employs approximately 200 staff members, produces more than 140 scientific publications annually, and manages an annual budget of around €12 million. Its research and knowledge transfer activities are structured around four programs: Multifunctional Forest Management, Landscape Dynamics and Planning, Biodiversity Management and Conservation, and Bioeconomy, Health and Governance.
More institutional information is available at: www.ctfc.cat.

TERMS OF THE APPOINTMENT

1. The contract is expected to start in November 2026.
2. This is a full-time position with a duration of one year, with the possibility of extension.
3. The successful candidate will be based at CTFC in Solsona (Northeastern Spain), working as a member of the Landscape Dynamics and Planning and Bioeconomy, Health and Governance programmes.
4. In accordance with CTFC's salary scales, the gross annual salary will be approximately €33,500 per year.
5. Working hours: 37.5 hours per week.
6. 23 + 6 days of annual leave, together with attractive work-life balance and family-friendly working conditions.

7. Opportunity to travel internationally to collaborate with other researchers and relevant stakeholders.

KEY RESPONSABILITIES

1. Contribute to the development of a research line integrating indoor and outdoor air quality monitoring, its characterization, and its implications for human and environmental health.
2. Ability to carry out field and laboratory work related to the thermochemical conversion of biomass and other combustion systems.
3. Apply for competitive funding calls in the fields of air quality, human health, and environmental sustainability.
4. Integrate into the research teams of the two CTFC groups already working on these topics, as well as collaborate transversally with other CTFC teams.
5. Prepare national and international project proposals and secure research funding.
6. Publish in scientific journals and disseminate research results at scientific and technical conferences, as well as through knowledge transfer activities.
7. Contribute to other institutional activities.

BASIC REQUIREMENTS

1. The candidate must hold a completed PhD in Forest Sciences, Engineering, Environmental Sciences, or a related discipline relevant to the main topic of this call.
2. Demonstrated knowledge and experience in combustion-related emissions, air quality assessment, aerosol characterization, exposure assessment, and health effects.
3. Proven competencies in data management.
4. Proven proficiency in both spoken and written Spanish and English.

DESIRABLE REQUIREMENTS

1. Authorship of relevant scientific publications.
2. Strong analytical skills and the ability to work both independently and collaboratively within a research team.
3. Previous participation in research projects.
4. Ability to disseminate scientific results.
5. Willingness to work in multidisciplinary teams.
6. Ability to conduct independent research and address scientific questions.
7. Ability to collaborate with and complement ongoing research within the group. Particular consideration will be given to personal qualities such as teamwork, problem-solving, coordination, leadership, communication, execution capacity, and autonomy.
8. Knowledge of Catalan will be considered an asset.

SOFT COMPETENCES

1. Fast learning ability and critical thinking skills.
2. Ability to work effectively in teams and collaborate within multidisciplinary environments.
3. Strong problem-solving skills and a proactive attitude.

4. Coordination and leadership abilities.
5. Excellent communication and organizational skills, with a high degree of autonomy.

CONTACT

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SELECTION PROCESS AND CRITERIA

The selection process will be carried out through a two-stage procedure. The first stage will primarily target candidates from the consortium entities, given the nature of the position. The second stage will include the remaining candidates who have correctly submitted their application within the established deadline.

- **Applications:**
  Candidates must submit a CV and a motivation letter via www.ctfc.cat/registre.php **by 6 November 2026 at 14:00,** indicating the reference code of the job offer. Applications submitted through portals other than the CTFC's own job board will not be accepted, nor will those receive through the SOC that do not follow the instructions specified in the call itself.

The position subject to this call may be declared vacant if the selection committee considers that, despite the existence of candidates who meet the minimum requirements, none is deemed suitable for the position.

The CTFC guarantees an open, transparent, and merit-based selection process (OTM-R) for all registered applications, thus avoiding any bias based on gender, origin, age, ideology, or any other potentially discriminatory circumstances. Inclusion policy: Priority will be given to candidates with a recognized and accredited disability of 33% or higher, provided that the disability is compatible with the proper performance of the position.

Estimated timeline	
15 working days	Publication and dissemination of the job offer: CTFC website, SOC Office, and other communication channels.
Following 2 working days	Pre-selection: verification of compliance with the minimum requirements and assessment of desirable conditions. Informative email sent to non-eligible CVs.
Following 2 working days	Selection committee meeting: interviews with shortlisted eligible candidates. Minutes of the Selection Committee stating the name of the selected candidate and the reasons for the selection. Publication of the resolution on the CTFC job portal identifying the selected candidate. Informative email sent to interviewed eligible candidates who were not selected.
Following 1 working day	Submission to Human Resources of the official documentation required to process the employment contract and coordination of the contract start date.
November 2026 (approximately)	Start of the contract.