

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..

## Senior Expert in Atmospheric Physics, Climatology, Artificial Intelligence, and Database Management

**Reference:** 25-06-00044

CTFC is offering a position for a senior technician with experience in atmospheric physics, climatology, artificial intelligence, and data management, to join the Climate Change and Ecosystem Services area. The selected candidate will participate in projects related to modeling current and future climate conditions, supporting adaptive forest management, and developing digital tools for the analysis and prediction of climate impacts on forest ecosystems.

The Forest Science and Technology Centre of Catalonia (CTFC), located in Solsona (PrePyrenees, 120 km from Barcelona), Spain, employs app. 160 staff, produces >120 scientific articles annually and has a turnover of app. 9 Mil. €/year. Further institutional information is available at: [www.ctfc.cat/en](http://www.ctfc.cat/en).

### TERMS OF THE APPOINTMENT

- Start date: July 2025.
- Scientific-technical activities employment contract.
- Work schedule: 50% part-time (18.75 hours/week, flexible schedule).
- Workplace: Solsona (Solsonès) with the possibility of remote work per agreement.
- Salary: Based on skills and experience, according to CTFC's salary table. Equivalent to Program Manager category.

### KEY RESPONSABILITIES

1. Development and application of climate and weather models at local and regional scales
2. Processing and analysis of various types of climate data (synoptic analysis, ground and satellite observation data, climate projections)
3. Design and implementation of AI algorithms, machine learning, and data mining techniques for analyzing and predicting environmental phenomena
4. Management, cleaning, and structuring of large climate and environmental databases
5. Coordination with other technical areas and collaboration with national and international organizations
6. Scientific writing, project monitoring, and evaluation
7. Any other function or task assigned due to its nature

## BASIC REQUIREMENTS

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1. PhD in Atmospheric Physics, Meteorology, Applied Mathematics, Artificial Intelligence, Complex Systems, Environmental Engineering, or similar
2. Minimum 5 years' experience in leadership, coordination, and management of high-level technical or scientific projects related to climate, environmental systems, or digital technologies
3. Experience in scientific programming (Python, R, MATLAB) and managing geospatial databases (PostGIS, NetCDF)
4. Active participation or leadership in projects with international organizations
5. Advanced Microsoft Office skills
6. Advanced proficiency in English and Spanish
7. Availability for immediate incorporation

## DESIRABLE REQUIREMENTS

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1. Experience in coordination and/or execution of European and/or international projects
2. Knowledge of geographic information systems (GIS)
3. Experience with high-performance computing (HPC) or cloud environments
4. Knowledge of other languages (German, Italian, French, etc.)
5. Advanced GIS skills

## SOFT COMPETENCES

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1. Planning and organizational skills
2. Leadership and teamwork abilities
3. High level of engagement
4. Critical thinking and attention to detail
5. Initiative and proactivity
6. Flexibility and adaptability
7. Responsible and organized with a problem-solving approach
8. Willingness to travel locally and internationally

## CONTACT

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Forest Science and Technology Center of Catalonia  
Ctra. of St. Llorenç de Morunys, km 2 (direction Port del Comte)  
25280 Solsona  
Tel. (+34) 973 48 17 52  
E-mail: [borsa.treball@ctfc.cat](mailto:borsa.treball@ctfc.cat)  
<https://ctfc.en/>  
<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 CTFC and the contracting department. This process consists of:

1. **1.Admission of candidates:** applicants must submit a curriculum vitae, motivation letter and, and two completed and signed annex documents found in the offer, enter in [www.ctfc.cat/registre.php](http://www.ctfc.cat/registre.php), until 23<sup>th</sup> June 2025 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 (June 2025):** 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)

Indicative Calendar	
15 working days	Publication and dissemination of the job offer: CTFC website, SOC Office and other dissemination channels.
Next 2 working days	<p>Preselection: determination of compliance with the minimum requirements of the offer.</p> <p>Evaluation of the pre-selected candidacies, through a score based on objective criteria, and suitable pre-selected CVs are forwarded to the Selection Committee for review .</p> <p>Sending informative mail to CVs not suitable to continue in the process.</p>
Next 2 working days	<p>Selection committee celebration: Interview with the selected suitable candidates.</p> <p>Selection Committee Minutes with the selected candidate and the reasons for the selection. Publication in the CTFC job board of the resolution identifying the elected person.</p> <p>Sending informational Mail to suitable CVs interviewed not selected.</p>
Next 1 working day	Sending to Human Resources the official documentation necessary to process the employment contract, and coordination with the start date of the contract.
July 2025	Start of the contract.