

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

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

## **SPECIALIST TECHNICIAN IN DATABASE MANAGEMENT AND NEW AI-BASED TOOLS APPLIED TO WILDLIFE MONITORING**

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**Reference: 26-05-00030**

The CTFC is seeking to recruit a specialist to develop and support projects focused on biodiversity monitoring and conservation based on the application of new technologies, specifically techniques related to artificial intelligence applied to sound processing, large database analysis, and the development of machine learning algorithms.

This person will also carry out tasks related to the creation, improvement, and internal management of biodiversity databases. Occasionally, they may perform other tasks as assigned. The selected candidate will become part of the technical team of the Biodiversity Management and Conservation Programme.

The Forest Science and Technology Centre of Catalonia (CTFC), located in Solsona (Pre-Pyrenees, 120 km from Barcelona), Spain, employs app. 200 staff, produces more than 120 scientific articles annually, and has a turnover of around 12 Mil. €/year. The CTFC's research activity is organized into four programs: Multifunctional Forest Management, Landscape Dynamics and Planning, Biodiversity Management and Conservation, and Bioeconomy, Health, and Governance. Further institutional information is available at: [www.ctfc.cat/en](http://www.ctfc.cat/en).

### **TERMS OF THE APPOINTMENT**

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1. Start date: June 2026.
2. Permanent scientific-technical employment contract.
3. Contract duration: 1 year with the possibility of extension.
4. Working hours: Full-time, 37.5 hours per week, schedule to be agreed upon.
5. Work location: Solsona (Solsonès), with the option of remote workdays according to the labour agreement. Occasional fieldwork throughout Catalonia.
6. Professional category: Specialist Researcher N2.
7. Salary: According to the candidate's profile, in the range of €30,000–€35,000 gross per year.

### **KEY RESPONSABILITIES**

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1. Development, use, and improvement of AI-based sound recognition systems.
2. Analysis of large biodiversity monitoring databases.
3. Creation, improvement, and internal management of biodiversity databases.
4. Preparation of scientific articles and technical reports.
5. Preparation of new project proposals.

## **MANDATORY REQUIREMENTS**

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1. PhD in Biology, Environmental Sciences, or a related field.
2. Master's degree in data science, Database Management, or Artificial Intelligence.
3. Proven prior experience in the development of machine learning systems for wildlife monitoring.
4. Proficiency in Python and R programming languages.
5. Lead authorship of scientific publications related to wildlife conservation.
6. Category B driving license with at least two years of experience.

## **DESIRABLE REQUIREMENTS**

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1. Previous experience in ecology and wildlife monitoring using machine learning.
2. Knowledge of vertebrate fauna in Catalonia.
3. Knowledge of Catalan and English.
4. Oral presentations at international conferences.
5. Experience in European research projects.
6. Knowledge of software container tools such as Docker.
7. Knowledge of database management tools such as DBeaver or MongoDB.
8. Immediate availability.

## **SOFT COMPETENCES**

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1. Planning and organizational skills.
2. Teamwork ability and strong communication and interpersonal skills (internal and external).
3. Initiative and proactivity.

## **CONTACT**

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## **SELECTION PROCESS AND CRITERIA**

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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](http://www.ctfc.cat/registre.php) **by 01 June 2026 at 14:00**, indicating the reference code of the job offer. Applications referring to another person will not be accepted.

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.

<b>Estimated timeline</b>	
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.
June-July2026 (approximately)	Start of the contract.