

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.

## **Post-Doctoral offer within the Project H2020 FIRE-RES “Innovative Technologies and Socio-Ecological-Economic Solutions for FIRE Resilient Territories in Europe”**

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**Reference:** 22-07-00006

**The Forest Science and Technology Centre of Catalonia (CTFC)**, located in Solsona (Pre-Pyrenees, 120 km from Barcelona), Spain, employs app. 100 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](http://www.ctfc.cat/en)

The FIRE-RES project is a 4-year project (2021-2025) funded under the H2020 innovation programme whose scope is to effectively promote the implementation of a holistic fire management approach and support the transition towards more resilient landscapes and communities to Extreme Wildfire Events in Europe. CTFC is the general coordinator of the project.

The Landscape Ecology Group in the CTFC, led by Dr. Lluís Brotons and Dr. Andrea Duane, is leading the evaluation of future fire scenarios, in which the project will analyze and mobilize climate data according to novel knowledge about the atmospheric drivers of extreme wildfire events, will build novel and sound fire regime models in Europe and will assess the possible future trajectories affecting European landscapes and extreme events, according to climate change and concurrent alternative regional drivers of fire change. These tasks will be closely conducted with an international team of researchers involving colleagues from INRAE - France (Dr. Jean Luc Dupuy), NOA-Greece (Dr. Christos Giannakopoulos), ISA-Portugal (Dr. Francisco Rego) and Technosylva-Spain (Dr. Adrián Cardil). In addition, the work will benefit from ongoing collaborations with practitioners such as the Catalan Firefighting Service (Marc Castellnou) and with research teams such as the University of Melbourne, Universidad Católica de Chile, etc. Within this context, we are seeking a post-doctoral researcher to work within the Landscape Ecology Group in the FIRE-RES Project in the following topics:

- Fire behavior and fire weather
- Climate projections
- Fire regime modelling and evaluation
- Forest and landscape management towards resilient landscapes
- Integrated Fire Management
- Future wildfire scenarios

The CTFC promotes a diverse and inclusive environment, and we welcome applicants regardless their nationality, age, functional diversity, gender, gender identity, sexual orientation, ethnicity or religion. In addition, we promote the balance between family and working life with very flexible working hours and telework.

## TERMS OF THE APPOINTMENT

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- The contract is likely to start on November 2022. It is a full-time position with a duration of 2 years with a possible one-year extension.
- The researcher will be based at CTFC in Solsona (NE Spain) and will be enrolled as member of the Landscape Dynamics and Biodiversity Program. This position combines work office and teleworking
- The candidate will be involved in the H2020 project FIRE-RES (tasks led by Dr. Andrea Duane and Dr. Lluís Brotons).
- Gross salary will be commensurate with the qualifications and experience (between 29,800-33.500 €/year).

## TASKS

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- Coordinate the activities of the Landscape Ecology Group of CTFC within FIRE-RES.
- Mobilization of climate projections data into useful and sound indicators of extreme wildfire events to the future.
- Elaboration of new fire regime models for the pan-European scale using different modelling techniques.
- Analysis of future fire scenarios and their feedbacks to vegetation and biodiversity in different regions of Europe
- Contribute to the design and development of the tasks of the project.
- Lead the development of the outputs and deliverables of the project in coordination with other task leaders.
- High quality scientific outputs in the form of journal publications and contribution to relevant policy reports.
- Participate in the dissemination of results in scientific and technical meetings and knowledge transfer activities.
- Participate in the project meetings.
- Networking with other national and international groups in wildfire science.

## REQUIREMENTS AND SKILLS

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- **A completed PhD on Forest Sciences, Forest Fires, Landscape Ecology, Climate Modelling or related topic.**
- Proved experience in writing scientific manuscripts and a track record of publications in high-impact international journals.
- Capacity and experience in R+D projects and leading capacities.
- Capacity to conduct applied research and to prepare technical reports.
- Strong background in the biophysical dimensions of wildfire science
- Demonstrated computer skills in GIS and database management.
- Demonstrated experience in the use of advanced statistical packages in R or python.
- Advanced knowledge of English

## ADDITIONAL COMPETENCES AND SKILLS

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- Teamwork capability. Flexibility, responsibility, and ability to work in a team.



- Experience in working alongside large research groups, preferably in an international environment.
- Capacity in knowledge-transfer activities and technical-scientific dissemination.
- Availability and enthusiasm to travel to project meetings and international conferences.
- Ability to disseminate scientific results and good communication skills.
- Flexibility and adaptation.

## 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 will be led by Dr. Andrea Duane and Dr. Lluís Brotons, from the Landscape Dynamics and Biodiversity Program, and will be overseen by the Management Office and the Human Resources Area of CTFC. This process consists of:

- 1. Admission of candidates:** applicants must submit their application in a single pdf-file, including a brief motivation letter (describing past research experiences and research interests), a curriculum vitae and contact information for two references. The application has to be addressed to [borsa.treball@ctfc.cat](mailto:borsa.treball@ctfc.cat), indicating the reference code of the offer. The deadline for submitting applications is **15th September 2022**
- 2. Pre-selection:** verification of compliance with the minimum requirements of the offer.
- 3. Selection (end of September):** assessment of the preselected candidates by scoring based on objective criteria and a personal 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)