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Code:

Project: EU LOCALISED

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Thermal Energy and Building Performance Group

Group leader: Dr. Jaume Salom Tormo

Recognised researcher / Project Engineer - Building Performance ECOS – Energy Efficiency in Systems, Buildings and Communities Group

The applicant will work as a recognised researcher / project engineer in projects related to energy efficiency in buildings and communities, DER (Distributed Energy Resources) integration and energy management systems in buildings. He/she will report to the lead-Researcher of Building Performance research line in close collaboration with her.

Description

The research will be embedded in the Thermal Energy and Building Performance Group which main research subject is the Integrated and Systemic approach for Zero Energy Communities, Buildings and Industries. The group's special focus is on the Mediterranean and other warm weather regions. The vision is to build an applied research group that contributes to accelerate the reduction of greenhouse gas emissions (GHG) through energy efficiency measures, production of clean energy, and integration of distributed renewable energy sources (RES).

The candidate will participate supporting the lead researcher in the EU LOCALISED project. The objective of LOCALISED is to downscale national decarbonization trajectories consistent with Europe's net-zero target to the local levels and provide the results to local authorities, citizens, and businesses, in a way that would speed up the uptake of mitigation and adaptation actions. To this end, the project will create effective and clearly understandable tools that transform localised data on possible decarbonisation pathways by 2030 and 2050 into knowledge for action, namely: (1) the Decarbonisation Profiler for municipalities, regions, and their citizens, providing information in all 24 EU languages, and (2) the Net-Zero Business Consultant tool. The tools will allow local authorities and policymakers as well as citizens and businesses: to identify viable combinations and best practices of (sectoral) mitigation and adaptation measures for every NUTS3 region on how to reach the goals of the downscaled pathways and to introduce an adapted-to-case service for implementation and monitoring of SECAPs. The project will additionally engage with EU citizen groups to inform how

climate change and different EU net-zero scenarios positively and negatively affect their life and what share of mitigation can be enhanced via key behavioural change. Three local and five associated partners from local and regional administrations and business organisations will inform the development and test the tools.

Requirements

We are looking for excellent and highly motivated candidates with at least MSc degree in Architecture/Environmental sciences and background related with energy in buildings. Experience as professional in the environmental topics of at least three years. Oriented knowledge in the framework of the definition and assessment of SEACAPs and Sustainable Development Goals is a must. Experience in R&D National or European projects and/or in the Public Sector related with energy field, including management skills, is highly valuable.

We are looking for a methodical, excellent team-player and results-oriented candidate with good communication and management skills. Mastery of English on all levels will be essential.

We offer.

We offer the chance to become part of an exciting and consolidated team, with international recognition, for developing cross-cutting projects in science and technology, oriented towards excellence. We also offer a research environment comprised of highly qualified and motivated professionals. Salaries will be paid in accordance with the IREC's salary policy, depending on the candidate's qualification and professional experience. Expected category: R2.1.1 – Recognised Researcher / Project Engineer Pre-consolidated.

Workplace. Barcelona (IREC headquarters)

Application

Applicants should send a detailed CV and a letter of motivation to irecjobs@irec.cat.

The application deadline is March the 3rd 2023.

Please indicate “**2023 –R2.1.1 - LOCALISED**” in the subject