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Code:

Project: SEACAP 4 SGD

Area: Energy Efficiency in Systems, Buildings and Communities Area

Area leader:

Group: Thermal Energy and Building Performance Group

Group leader: Dr. Jaume Salom Tormo

Research / Project Engineer – SEACAP 4 SGD Project Thermal Energy and Building Performance Research Group

The applicant will work as a research / project engineer in projects related to energy efficiency in buildings and communities, DER (Distributed Energy Resources) integration and refurbishment 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 act supporting the lead researcher in the SEACAP 4 SDG project as main activity with the role of technical coordination and implementation of the project. Considering the main thematic of the reference projects, the Project will consider the Sustainable Energy Access and Climate Action Plans (SE(A)CAP) background, under a common vision, strategy and evaluation tool, to achieve Med SE(A)CAP integration through uniform adapted assessment and financing methods, for sustainable development goals in a smart society (SEACAP 4 SDG). The SEACAP 4 SDG project will thus capitalize on 10 selected reference projects (SRP) out of the 11 reference projects, by considering their outputs and outcomes, identifying characteristics to be generalized, and by adapting gained knowledge to maximize efficiency and effectiveness of energy refurbishment strategies adapted to local Med specificities, notably energy poverty. These outputs and outcomes will be implemented in 9 cities around the Mediterranean, selected using a variant of the European City Facility initiative. This financial mechanism will support them in adapting and implementing the tools and methodologies for further replication and capitalization. The Project will also introduce a Living Lab (LL) and trainings, capitalizing on LLs developed in the SRP with socio-economic innovations. 9 demonstrators will then be set up in the selected cities and receive customized EE and RE assessments to integrate the tools and methodologies into their day-to-day. Among them 4 specific buildings in the southern cities will host more advanced demonstrators, with an updated customized roadmap, setting out priorities and measures to be implemented. Considering the Covid-

19 pandemic and the global economic downturn, the Project will focus primarily on buildings from the education and health sectors.

Requirements

We are looking for excellent and highly motivated candidates with at least PhD degree and background related with energy in buildings (Architect, Building Engineer) is mandatory. Experience as professional / researcher in the energy sector of at least four years. 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. Knowledge of other languages will be desirable, especially French.

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: R2.1.4 – Recognised Researcher / Project Engineer (R2) – Pre-consolidated 4

Workplace. Barcelona (IREC facilities)

Application

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

The application deadline is December the 22th 2021.

Please indicate “**2022 – Buildings – ENI-CBC**” in the subject