



Publish date: 17th September 2026

Deadline for application: 12th October 2026

Ref. 26/084

Project and/or research field: Energy Policy, regulatory and market assessment: Policy analysis and recommendations/ Intelligent energy management: optimization of systems, flexibility of integration, hybrid systems

Area: 220

Group: Energy System Analytics

Group leader: Josh Eichman

PI: Gabriela Benveniste

‘R2– Researcher in energy systems modelling

Description: The Energy Systems Analytics research department is looking for an energy research eager candidate to join the group. The candidate will be asked to perform the following tasks:

- 1) To support the set up and initial development of AI driven data structure for energy modelling focused on energy communities
- 2) To set up the process for the collection of technical, economic, social, environmental, and regulatory data from public statistics, open datasets, and literature related to energy communities’ energy consumption and demand.
- 3) To define and establish governance rules for versioning, metadata, and access to ensure traceability.
- 4) To design and refine optimization models for aggregated distributed-energy resources.
- 5) To give support to the dissemination activities related to the projects where he/she will be involved (scientific papers writing, conference participation,..)

Qualifications and experience required:

Essential:

- Hold a Master’s degree in Data Science or equivalent. Degree in Engineering or equivalent.
- Proven experience (>2 years) in optimisation in modelling in multi-energy carriers applied to buildings and other assets (EV, renewable energy, storage,..)
- Excellent knowledge of Python, ML, SQL
- Spoken and writing capabilities in Spanish, Catalan and English

- Preferred:
- Participation as author or co-author in scientific papers related to the topic
- Conferences participation in related topics
- Previous experience in participating in similar projects (National or European) related to energy modelling

Personal skills:

- Capabilities of autonomous work and research sensitivity
- Interest in joining a multidisciplinary team
- Good communication skills

Required documents:

Applicants must submit the following documents by email to irecjobs@irec.cat; jeichman@irec.cat and gbenveniste@irec.cat

Reference:

- Curriculum Vitae, specifying the completed degree and any relevant professional experience.
- Motivation letter.

Offer of job position:

We offer a R2 position for 2 months in the framework of Synergec national project.

Salaries will be paid in accordance with IREC's salary policy, depending on the candidate's qualification and professional experience.

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