



MSCA Postdoctoral Fellowships

HORIZON MSCA PF 2023

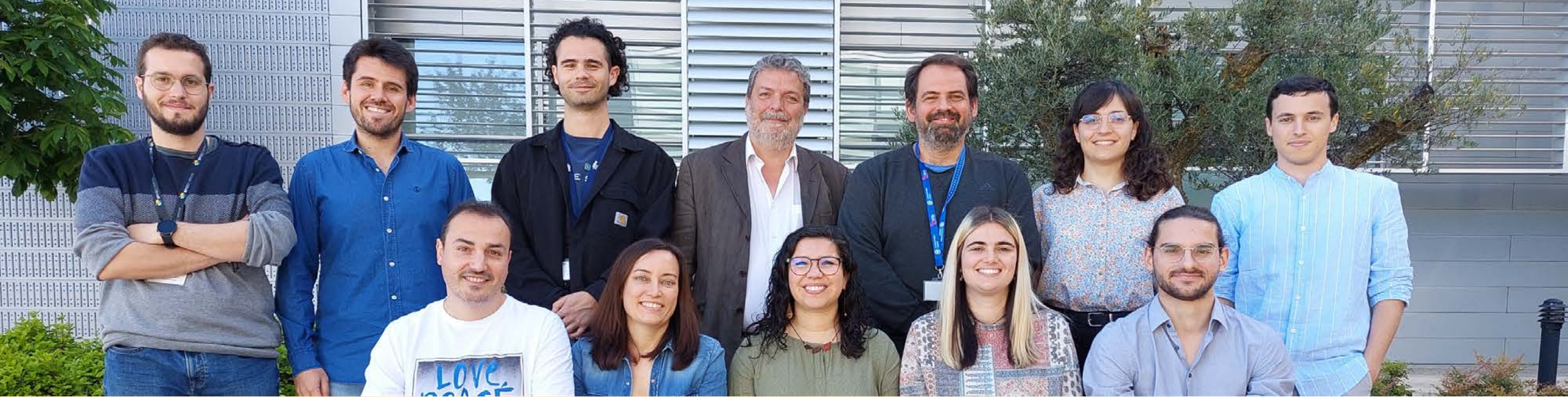
EXPRESSION OF INTEREST



HR EXCELLENCE IN RESEARCH



Deadline for submission of documents
15th of July 2023



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Contact Person/ Scientist in charge

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Brief description of the Research Group

The Systems Analysis Unit of IMDEA Energy, <http://www.energy.imdea.org>, specializes in assessing the technical, economic, environmental and social performance of energy systems. To that end, the unit has developed strong capabilities and has a sound expertise in (i) modelling, simulation and exergy and economic analysis of energy production systems on biofuels, renewables, hydrogen, etc., and analysis of their integration into circular economy strategies and policies, (ii) life cycle sustainability assessment, multicriteria decision analysis and eco-design of energy systems, and (iii) prospective analysis through energy systems modelling and scenario analysis for sustainability-oriented energy planning, having developed a regional model for Madrid and a Spanish national model for power generation and road transportation fuel production.

Project description

Our unit is seeking a candidate to join a multidisciplinary team for the development and application of new frameworks for modeling and optimization of energy systems. The specific objectives of the project are:

- ✓ Research and development in the field of Energy Systems Analysis.
- ✓ R&D on energy scenarios for energy planning and technology roadmapping.

The candidate should have a strong knowledge of energy scenarios modelling and economics, good understanding of environmental problems associated with energy production and use, and a good overview of energy policies at the European level.

The ideal candidate would have a PhD degree in energy economics, energy planning or related fields. Programming abilities for tailored modelling would be an asset, along with experience in forecasting and/or backcasting approaches.

Research Area

Economic Sciences (ECO)
Information Science and Engineering (ENG)
Environmental and Geosciences (ENV)

Applications



If interested, please, send an e-mail to javier.dufour@imdea.org, indicating your main research interests and attaching a CV and two reference letters, before **15th of July 2023**.