

PHD RESEARCHER

Position: PhD researcher in regulation (2 positions)
Offer date: CIIAE web
Project: CIIAE - REF. PD- REGULACIÓN (HIDRÓGENO Y POWER-TO-X)
Department: Hydrogen and Power-to-X
Estimated starting date: 2023

Workplace:	University of Extremadura. Cáceres campus	
Tasks to be developed:	<p>The decarbonisation of the economy requires to rely more and more on renewable energy sources, and especially wind and solar. To cope with their variable production patterns, the electricity system needs more flexibility, to be provided by energy storage technologies among other solutions. According to EU law, flexibility markets have to be developed at distribution level to provide local solutions to maintain the grid's balance.</p> <p>The first PhD researcher will analyse the European, Spanish and Portuguese legal frameworks (as well as any other relevant EU member state regime for comparison) for the provision of flexibility services at distribution level through energy storage solutions operated by energy communities.</p> <p>The second PhD researcher will focus on flexibility services provided by thermal appliances (heaters, thermal storage, etc.) according to EU, Spanish and Portuguese law (as well as any other relevant EU member state regime for comparison).</p> <p>Both PhD candidates will work with researchers from other disciplines (such as engineering or economy) in order to tackle some of the research questions, for instance on the importance of benefit stacking for the economic model.</p> <p>The selected candidate is expected to perform the following tasks:</p> <ul style="list-style-type: none"> - Provide recommendations to decision makers based on regulatory analysis - Close interdisciplinary collaboration with colleagues from CIIAE, e.g., technology developers and energy system modellers - Writing publications as first author - Project management and project administration (internal and external), also towards the department and CIIAE - Successful collaboration with universities, research institutes and companies at national and international level. <p>Challenges: proposing solutions for a sound legal and regulatory framework for energy storage to be adopted at national or EU level. Bridging the gap between the technological requirements, the economic possibilities and the social drivers for the development of storage appliances.</p>	
Duration of the contract and salary (per annum):	Temporary Contract Initial duration: September 2025, with the possibility of extension	Gross Salary + S.S. Fees Set by law
Academic background required:	A master's degree in energy law or similar (administrative law, environmental law, EU law, competition law, etc.)	
Other education:		
Professional experience:		

Job requirements (have to be fulfilled):	Specific techniques (analytical, software, calculations, prototyping, etc.)	– Legal research
	Participation and/or collaboration in R&D&I/business projects	
	Languages	Excellent oral and written skills in English
	Cross-cutting competences	<ul style="list-style-type: none"> – Commitment to open science in terms of research methods, data and publications – Ability to work in a diverse and flexible academic environment in a team-oriented, but independent way – Ability to respect deadlines – Conceptual capacity
	Willingness to travel and stay abroad	The candidate is expected to travel, both nationally and internationally, in the context of projects and conferences
	Publications: scientific articles (in journals indexed in Web of Science and/or Scopus), theses (PhD and/or Master's), presentations at conferences, reports, technical reports, technical guides, etc.	A successfully completed master thesis on a relevant topic (completed or as-advanced-as-possible thesis to be included in the job application. The final, successful thesis will be required for starting with the position)
To be evaluated (adds points to the final evaluation)		
<ul style="list-style-type: none"> – Knowledge of Spanish and/or Portuguese – Experience with industrial collaborations and/or previous experience working in industry – Grade level in master's studies (document to be included in the application) – Publications (academic or grey literature) – Grades in master's and bachelor's degrees (documents to be included in the application). – Motivation letter (maximum 1 page) included in the application. – Quality of the submitted research proposal (maximum 2 pages) – Evaluation provided by 2 references via telephone conversation. The contact details of the references (e-mail and telephone) are provided by the candidates in their application. 		
Selection process details:		
Technical test: Oral knowledge test: No		
Job Interview: Yes (only if the candidate meets all job requirements). A final evaluation (considering points above) will be made to the candidate after the interview		

Interested candidates

Please, send all the documents requested by both the terms and conditions of the call for the proposal and the job offer, with the deadline being 15 calendar days from the day following the publication in the CIIAE web indicating the following reference: **REF. PD- REGULACIÓN (HIDRÓGENO Y POWER-TO-X)**

FUNDECYT-PCTEX (Edificio Parque Científico Tecnológico), Avda. de la Investigación, s/n, Edificio PCTEX, Campus de la Universidad de Extremadura – 06006 Badajoz (España)



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