JOB OFFER

PhD Researcher in Degrowth-compatible battery value-chain

Position:	**PhD Researcher Contract associated with the DELaw Project with reference number 101163065 within the EUROPEAN RESEARCH COUNCIL program (STARTING GRANT 2024)** **DELaw is a deeply interdisciplinary project mobilising law, social sciences and engineering. The final aim of DELaw is to find ways to integrate the principles of degrowth into the law, in order to reorientate our society at the required scale and pace to reduce the impact of climate change and other environmental harms. To do so, DELaw's team (counting 7 researchers in total) will undertake an ambitious comparative interdisciplinary analysis of EU and Member States' energy law, with a focus on the legal regime for energy storage and especially batteries.** **In this position, the selected candidate will model the impacts of the legal solutions proposed within DElaw on the global battery value-chain (variations in mineral extraction, related energy consumption and CO2 emissions, the impact of reuse and recycling, etc.). This will involve an analysis relying on (social) life cycle assessment (S-LCA), material flow analysis and criticality.** **More broadly, the position will imply working on the translation of detailed legal proposals into models (e.g. how to quantify the impact of a given legal proposal on material flows).**		
Project:	**DELaw**		
Professional category:	**Predoctoral**	**Contribution group:**	
Work Center:	University of Extremadura. Caceres Campus		
Number of places:	**1**	**Reserve percentage, if applicable:**	
Department:	**HYDROGEN AND POWER-TO-X**		
Offer date:	DOE Publication	**Deadline for submitting bids:**	**20 calendar days**, counting from the day after publication in the DOE (Official Journal of Extremadura)
Application for participation:	**Annex I of the call for proposals.**	**Form of presentation of the application for participation by applicants:**	APPLICANTS MUST SEND ALL DOCUMENTATION FROM POINT 5 OF THE RULES, indicating **Ref.PD-DELaw-Engin (HYDROGEN AND POWER-TO-X)** In addition to the previous mandatory documentation, the presentation of additional documentation will be valued: -Cover letter (maximum 2 pages)
Documents to be submitted with the application:	The documents listed in **point 5 of the Conditions of the Call**		

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Contact information for sending requests	FUNDECYT-PCTEX (Science and Technology Park Building), Avda. de la Investigación, s/n, PCTEX Building, Campus of the University of Extremadura – 06006 Badajoz (Spain) Email: ciiae.personal@fundecyt-pctex.es Phone: +34 927 690 042 Ext. 107 www.fundecyt-pctex.es www.ciiae.org		
Estimated start date:	**September 2025**	**Probation:**	**2 MONTHS**
Waiting list	Yes, according to the regulations of points 9 and 10 of the Conditions of the Call.		
Conditions and requirements for applicants:	Those established in point 4 of the Conditions of the Call		
Members of the selection body:	**President: David Parra Mendoza** **Secretary and member: Lucia Cordón Masero** **Member: Romain Mauger** **Member: Juan Manuel Pérez Rodríguez**		
Tasks to be developed:	The selected candidate is expected to perform the following tasks: – Assessment of criticality of battery materials (lithium, copper, etc.) based on demand forecasts and availability – Life cycle assessment (LCA) and Social Life cycle assessment (S-LCA) – Material flow analysis (MFA) – Work with the other DELaw researchers to find appropriate ways to integrate legal measures into models – Support the rest of DELaw team with technical knowledge about batteries' value chain – Collaborate closely with colleagues from different disciplines at CIIAE, e.g., technology developers and other energy system modellers – Write publications as first author		
Academic background:	**A master's degree in industrial, energy, materials or environmental engineering, or in industrial ecology, or similar.**		
Other training:			
Contract duration:	**4 years**		
Remuneration:	Based on Royal Decree and Fundecyt-Pctex Collective Agreement:	**Financing:**	**European Research Council Executive Agency (ERCEA)**

	First and second year	19.065,34 € gross per year		
	Third and fourth year	60% y 75% respectively, taking as a minimum reference the category of Group 1 of labor personnel of the salary table included in the single labor personnel agreement of the General Administration of the State in force at that time.		

Details of the selection process:

- **Technical test:** NO
- **Language:** YES **(will be evaluated during the interview)**
- **Job interview:** YES

Evaluation: evaluable criteria and subcriteria	**Merit and curricular evaluation phase (Competition): up to 60 points**

Criterion 1: Academic background. Up to 20 points

- A master's degree in industrial, materials or environmental engineering, in industrial ecology, or similar
- Research or teaching experience in LCA, SLCA and/or MFA

Criterion 2: Programming experience and proven skills in quantitative modelling and analysis. Up to 10 points

Criterion 3: Cross-cutting competences. Up to 14 points

- **Subcriterion 3.1:** Excellent oral and written skills in English. Up to 5 points
- **Subcriterion 3.2:** Knowledge and/or interest in legal aspects or public policies. Up to 5 points
- **Subcriterion 3.3:** Ability to work in a diverse and flexible academic environment both as a team-player, and independently. Up to 2 points
- **Subcriterion 3.4:** Ability to respect deadlines. Up to 2 points

Criterion 4: To be valued. Up to 16 points

- **Subcriterion 4.1:** Cover letter (maximum 2 pages) included in the application (highlighting your interest and qualification for the topic and for the research to be undertaken). Up to 4 points
- **Subcriterion 4.2:** Grades in master's and bachelor's degrees (documents to be included in the application). Up to 5 points
- **Subcriterion 4.3:** Quality of a related academic work (e.g.: a Master's thesis on the value chain of electrical components). Up to 3 points
- **Subcriterion 4.4:** Interest for degrowth or related theories (sufficiency, circular economy, energy justice, etc.). Up to 3 points
- **Subcriterion 4.5:** Knowledge of Spanish and/or Portuguese. Up to 1 point

	Interview phase (Opposition): up to 40 points
	Criterion 1: Match between the candidate's profile and the position's requirements. Up to 20 points **Criterion 2**: Knowledge about energy storage sector and technologies. Up to 10 points **Criterion 3**: Language. Up to 6 points - **Subcriterion 3.1:** English proficiency. Up to 4 points - **Subcriterion 3.2:** Spanish or Portuguese proficiency. Up to 2 points **Criterion 4:** Interest of the candidate to join the organisation in Cáceres and the specific project. Up to 4 points

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