



BASES OF THE PROCEDURE FOR HIRING SCIENTIFIC-RESEARCH PERSONNEL FOR THE IBERIAN CENTER FOR ENERGY STORAGE RESEARCH (CIIAE) MANAGED BY THE FUNDECYT FOUNDATION - SCIENTIFIC AND TECHNOLOGICAL PARK OF EXTREMADURA, IN ACCORDANCE WITH ARTICLE 23 BIS OF LAW 14/2011, OF JUNE 1, ON SCIENCE, TECHNOLOGY AND INNOVATION, WITHIN THE FRAMEWORK OF THE PROJECT WITH REFERENCE NUMBER PID2023-152312OA-I00, WITHIN THE CALL OF THE STATE RESEARCH AGENCY FOR KNOWLEDGE GENERATION PROJECTS MCIU/AEI/10.13039/501100011033, AS WELL AS THE CALL TO START THE CONTRACTING PROCEDURE

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# 1. PURPOSE AND OBJECT OF THE REGULATORY BASES

The purpose of this document is to regulate the selective hiring procedure for the coverage of one (1) scientific-research staff position for the Iberian Center for Research in Energy Storage (hereinafter, CIIAE) managed by the FUNDECYT Foundation - Scientific and Technological Park of Extremadura (hereinafter, FUNDECYT-PCTEX), as well as the call for said contract in accordance with the call document attached as **Annex I** to these Bases.

These bases will establish the rules and management system for the selection of personnel to fill the positions indicated in the previous paragraph, within the framework of the project with reference number PID2023-152312OA-I00, within the call of the State Research Agency for Knowledge Generation Projects MCIU/AEI/10.13039/501100011033.

The contracted staff will carry out their duties at the Iberian Centre for Research in Energy Storage (hereinafter CIIAE). The main **objective of the CIIAE** is to contribute to solving the scientific and technological challenges that allow the proper management of green energy, through scientific research, technological development and innovation in energy storage to meet industrial demands and the needs of society for a sustainable energy future.

### 2. APPLICABLE REGULATIONS

The selective contracting procedure regulated by these bases and the call for contracts have been prepared in accordance with the regulations listed below. Likewise, the following regulations will apply to the contracts resulting from the procedure in all that affects them:

- Royal Legislative Decree 2/2015, of October 23, approving the revised text of the Workers' Statute Law.
- Royal Legislative Decree 5/2015, of October 30, approving the Revised Text of the Basic Law on Public Employees.
- Law 13/2015, of April 8, on the Civil Service of Extremadura.
- Law 50/2002, of December 26, on Foundations.
- General Budget Law of the Autonomous Community of Extremadura in force in each period.
- General State Budget Law in force for each period.
- Guidelines for the incorporation of staff, as well as for the hiring of temporary staff in the public sector entities of the Administration of the Autonomous Community of Extremadura in force in each period, those in force on the date of this document being those of the Agreement of the Governing Council of the Junta de Extremadura
- of February 22, which establishes the guidelines for the
- incorporation of permanent staff and the hiring of labour personnel
- temporary by the entities of the public business and foundation sector of
- the Administration of the Autonomous Community of Extremadura in 2023.









- Instructions for the selection and hiring of staff from the centres attached to the Ministry of Economy, Science and Digital Agenda of the Regional Government of Extremadura, dated January 18, 2023
- Law 39/2015, of October 1, on the Common Administrative Procedure of Public Administrations.
- Law 40/2015, of October 1, on the Legal Regime of the Public Sector
- Law 14/2011, of June 1, on Science, Technology and Innovation.
- III Collective Labor Agreement of the company "FUNDECYT-PCTEX".

#### 3. PRINCIPLE AND CONTRACTING REGIME.

These regulatory bases will establish the rules to be applied in the selection procedure for scientific research personnel who will carry out their functions within the framework of the project with reference number PID2023-152312OA-I00, within the call of the State Research Agency for Knowledge Generation Projects MCIU/AEI/10.13039/501100011033.

The notice of applications for the position(s) is attached as **Annex I** to these Rules and details the deadline for submitting applications to participate in the selection process, the respective individual requirements for each position to be filled, the specific tasks to be performed, the corresponding category within the Collective Agreement in which the contract is included, as well as any other specific information for each position.

The selection procedure regulated in these bases will be carried out through the competitive examination system, in accordance with the selection criteria established in section 8 of these Bases, in accordance with the guiding principles of access to public employment contemplated in article 88.2 of Law 13/2015, of April 8, on the Civil Service of Extremadura:

- a) Publicity of the calls and their bases.
- b) Transparency.
- c) Free competition.
- d) Impartiality, professionalism and specialization of the members of the selection bodies.

e) Independence, confidentiality and technical discretion in the actions of the selection bodies.

f) Adequacy between the content of the tests that form part of the selection processes and the functions or tasks to be developed.

g) Agility, without prejudice to objectivity, in the selection processes.

h) Equal opportunities between both sexes.

As regards the principle of publicity, these regulatory bases, together with the call in Annex I, will be published in the following media:

- FUNDECYT-PCTEX website ( http://www.fundecyt-pctex.es ),
- Website of the CIIAE Iberian Centre for Research in Energy Storage (









http://www.ciiae.org).

- Official Journal of Extremadura (DOE)

The people selected to fill the vacancies announced, in accordance with the provisions of the following bases, will be subject to the provisions of Royal Legislative Decree 2/2015, of October 23, which approves the revised text of the Workers ' Statute Law and the Collective Agreement in force at any given time of FUNDECYT-PCTEX.

The positions will be temporary, with a legally established trial period, governed in all matters applicable to it by Law 14/2011, of June 1, on Science, Technology and Innovation, as well as by the modifications introduced by Law 17/2022, of September 5, which modifies Law 14/2011, of June 1, on Science, Technology and Innovation.

The remuneration regime for the position is that established in the FUNDECYT-PCTEX Collective Agreement for the different professional categories to which the position(s) advertised are assigned. The information on the category corresponding to each position advertised will appear in the call document attached as Annex I to these bases, as well as in other calls if necessary depending on the funding granted for personnel within the framework of the project with reference number PID2023-152312OA-I00, within the call for applications from the State Research Agency for Knowledge Generation Projects MCIU/AEI/10.13039/501100011033.

### 4. REQUIREMENTS FOR APPLICANTS.

Candidates must meet, on the day of the deadline for submitting applications and maintain until the time of formalization of the employment contract, the following requirements, as set out in Royal Legislative Decree 5/2015, of October 30, approving the Revised Text of the Basic Law of the Public Employee Statute, a legal norm that will apply to the president of the process by analogy in those matters that are indicated:

- Nationality:

a) Have Spanish nationality or be a national of one of the Member States of the European Union.

b) Persons included in the scope of application of the International Treaties signed by the European Union and ratified by Spain in which the free movement of workers is applicable.

c) Workers who are not included in the previous paragraphs are are legally resident in Spain.

d) Candidates not included in the above situations may submit their application. The Selection Body will verify that they are able to meet the legal requirements for their subsequent employment in Spain.



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Those included in section a) and foreigners residing in Spain included in section b) will be exempt from providing documentation proving their nationality, provided that they authorize in their application the verification of personal identification data in the Identity Data Verification System. All other persons must accompany their application with a document proving the conditions claimed.

- Be at least eighteen years of age and not exceed, where applicable, the maximum mandatory retirement age.
- Possess the functional capacity to perform the tasks tasks.
- Not having been removed from the service of any of the Public Administrations and public bodies linked to or dependent on them, or of the Constitutional or Statutory Bodies of the Autonomous Communities, through disciplinary proceedings, nor being absolutely or specially disgualified for public employment or office by court order. firm.
- Not having been convicted in the last five years by a final judgment in judicial proceedings of any kind relating to claims in economic and/or financial matters. This requirement will be accredited by the applicant providing a responsible declaration in this regard duly signed.
- In the case of being a national of another State, not be disgualified or in an equivalent situation, nor have been subject to a disciplinary or equivalent sanction that prevents access to public employment in their State, in the same terms. Meet the qualification requirements and the remaining requirements included in the profile of the position

In addition, the selected person must meet the requirements established in article 21.a) of Law 14/2011, of June 1, in order to be able to sign a predoctoral contract or, failing that, be able to meet the requirements at the time of formalizing the contract. Therefore, in any case, people who already hold a PhD degree cannot be hired by any Spanish or foreign university.

## 5. APPLICATIONS AND SUBMISSION DEADLINE

Applicants wishing to participate in the selection process must submit the following documentation:

- National Identity Document, Passport or Credit Card resident.
- curriculum vitae, specifying the specific start and end dates of each professional experience, as well as the functions performed, written in Spanish and/or English and/or Portuguese.
- Application for admission to the selection process completed according to the form in Annex II attached to these Bases.
- Photocopy of the required official qualification or photocopy of the application document. In the case of qualifications obtained abroad, a translation of the qualification into Spanish or English must be provided.



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- Photocopy of the titles and diplomas of the courses mentioned in your application, or certificates thereof, indicating hours teaching.
- Documents proving compliance with the specific requirements of each of the positions detailed in the annexes of each call for applications.
- the applicant's activity must be specified in as much detail as possible, as well as the continuous period or periods in which it was carried out, providing a copy of the documents that the applicant considers appropriate to prove the experience required in the call for applications (work history certificates, contracts, company certificates, etc.) or other documents where the experience is stated. required.

However, the Selection Body may request, at any time during the selection process, the accreditation of all the data that have been exposed . in the application concerning to experience professional former or any other that it deems appropriate and that has been or will be assessed in the competition-opposition phase.

Applicants with disabilities with a degree of disability equal to or greater than 33% must indicate this in their application, attaching a copy of the Technical Opinion issued by the Technical Assessment Body that determined the degree of handicap.

In the event that they require adaptations of time and/or means for carrying out the selection tests, in addition to indicating this in the application, they must submit a document specifying the type of adaptation that The Selection Body will adopt the necessary measures in those cases where it is necessary, so that the candidates who have requested adaptations of time and/or means in the manner provided for in the previous section, enjoy similar conditions for carrying out the exercises as the rest of the candidates. participants.

The documentation provided will not be returned under any circumstances. FUNDECYT-PCTEX, in compliance with Organic Law 3/2018, of December 5, on the Protection of Personal Data and Guarantee of Digital Rights, will keep and process the documentation received confidentially and solely for the purpose of assessing the applications submitted, not storing it by any means, file or medium, nor being transferred, in whole or in part, to third parties or entities. Once the selection process has been completed, with the appropriate safeguard for possible claims, the documentation will be destroyed.

Failure to submit the aforementioned documentation, as well as failure to meet the requirements set out in the call for applications, will result in the exclusion of the applicant.

Scanned documentation may be sent either by e-mail to the following address: ciiae.personal@fundecyt-pctex.es, indicating in the subject the reference that appears for each position advertised, or by certified mail with return receipt, or by presenting it physically at the headquarters of FUNDECYT-PCTEX and addressed to the Human Resources Department, Avenida de la Investigación, s/n, PCTEX Building, Campus of the University of Extremadura, 06006 Badajoz, indicating on the envelope the position for which you are applying.



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The deadline for submitting applications will be at least **15 calendar days** from the day after the publication of these regulatory bases, together with the call document or documents in the "Diario Oficial de Extremadura". In any case, the deadline for submitting applications for each of the positions will be specified in each call.

Applications that are not received within the period and in the manner established in the annexes will not be admitted to the process. However, the Selection Body may extend the initial period by another **30 calendar days if it deems appropriate**.

FUNDECYT-PCTEX may request the submission of original documents for comparison at any time during the selection process, in cases where photocopies have been submitted or scanned documents have been sent by email. Failure to comply with this requirement within the established deadlines will result in the exclusion of the applicant.

### 6. SELECTION BODY

The Selection Body is the body formed for each call for positions that will be responsible for developing the selection procedure and applying the selection criteria according to the regulations in section 8 to evaluate and classify the applications from candidates submitted during the selection period.

It will be composed of a minimum of three people: a President, a technical member and a secretary, who will be identified in each of the calls in the corresponding section of the call document and two members who will be identified in each of the calls published in accordance with these Bases.

Likewise, support to the Selection Body from specialist external advisors may be provided for all or some of the selection phases. These advisors will be limited to assessing and advising according to their technical specialty and will collaborate with the Body exclusively on the basis of said specialty, acting with voice but without vote.

The Selection Body has the capacity to interpret the rules that govern this call and will resolve in a reasoned manner all incidents that may arise in the development of the selection procedure, adopting the precise measures so that candidates with disabilities enjoy similar conditions as the rest of the candidates when carrying out the exercises.

The Selection Body's procedure shall at all times comply with the provisions of Law 39/2015, of 1 October, on the Common Administrative Procedure of Public Administrations and Law 40/2015, of 1 October, on the Legal Regime of the Public Sector and other provisions in force. The members of the Body shall sign a Declaration of Absence of Conflict of Interest (DACI) stating that they have no direct personal interest in any of the candidates in the call for applications that may call into question the objectivity of the process, in addition to undertaking not to disclose in any way any



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information related to the selection process and the candidates assessed, information that shall be confidential.

All members of the Selection Body have a voice and vote, trying to reach a consensus in the decisions and assessments they make. When this is not possible, decisions will be adopted by a majority vote of the members present, with the tie-breaking vote of the Chair of the Body being the deciding vote.

Applicants may challenge members of the Selection Body when the circumstances provided for in Law 40/2015 occur, notifying the convening body.

In accordance with Article 14 of the Spanish Constitution, the Selection Body shall ensure strict compliance with the principle of equal opportunities between both sexes and shall comply with the provisions of Article 23 and Article 24 of Law 40/2015, and may not approve or declare that a number of candidates greater than the number of vacancies have passed the selection tests.

### 7. ADMISSION OF APPLICANTS

Once the application period has ended, the Selection Body will analyse the applications submitted to determine the people admitted and excluded from participating in the selection process, based on compliance with the minimum requirements and those established in the profile of the position for which they are applying.

Once the applications have been examined, the Selection Body will publish a provisional list of persons admitted and excluded from participating in the selection process based on their compliance with the requirements established in the profile of the position for which they are applying, which will include, where applicable, the reasons for exclusion. This list will be made public on the CIIAE website .

Applicants who are expressly excluded, as well as those who may not appear on the provisional list, will have a period of **three working days** from the day after the publication of the list, to correct the defect that led to their exclusion or express non-inclusion.

Once the correction period has elapsed, the final list of candidates admitted and excluded from the selection process will be published .

All the lists mentioned, as well as the date of the tests carried out during the development of the selection process, will be published on the CIIAE website.



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## 8. DEVELOPMENT OF THE SELECTIVE HIRING PROCEDURE

The selection process will be carried out by means of a competitive examination system in accordance with the selection criteria described below, which will be included in each call for applications document. If several calls for applications are made within the framework of these contracting bases, the selection criteria set out in each call for applications document will prevail over those described below.

Therefore, according to the above, the selection procedure will be developed in two phases as follows: following:

#### 1. Merit and curriculum assessment phase (contest).

This phase will be preliminary and eliminatory and will consist of the assessment of the merits of the people who have requested to participate in the procedure as candidates for the positions offered.

The Selection Body will carry out an assessment of the merits and curriculum of the candidacy presented by each candidate, taking into account the professional and academic experience and merits accredited by the candidates according to their suitability for the job profile. The maximum score together with the evaluation and selection criteria and sub-criteria are set out in the following table:

Description of selection criteria	Maximum score
<b>Criterion 1:</b> Academic and/or scientific-technical background of the applicant	Up to 50 points
- Subcriterion 1.a): Scientific-technical contributions: The applicant's academic record and other curricular merits will be assessed, as well as their suitability for the tasks to be performed (see section "tasks to be performed") based on training and professional experience.	Up to 45 points
<b>Subcriterion 1.b):</b> Mobility and internationalization. The relevance and impact of the candidate's research career will be assessed, as well as stays in national and international centres and/or in the industrial sector, taking into account the prestige of the entity receiving the stay and the activity carried out therein.	Up to 5 points
Applicants who do not reach a minimum of : will be excluded	25 points

Once the experience and merits claimed have been assessed, the Selection Body will publish the score obtained and the people who move on to the next phase on the FUNDECYT-PCTEX website and on the CIIAE website.



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FUNDECYT-PCTEX may request from the candidate, at any time during the selection process, documentation proving his/her merits and requirements. In any case, the CANDIDATES who are selected must provide, before being hired, an authentic copy of the qualifications that prove compliance with the requirements of the call for applications for each position, as provided in point 10 of these Terms and Conditions .

#### 2. Interview phase (opposition).

The interview or competitive examination phase will consist of a practical oral test where the Selection Body will check, assess and classify the candidate's aptitude and capacity in relation to the suitability of the profile and the functions to be performed. Specifically, the maximum score to be awarded in this phase, together with the established selection criteria and subcriteria are set out in the following table:

Description of selection criteria	Maximum score
<b>Criterion 2:</b> Suitability of the applicant for the research activities to be developed The suitability of the person for the programme, project or research activities to be carried out will be assessed based on their previous training and experience. To this end, the added value that carrying out the project will represent for their research career will be taken into account, as well as the value contributed to the centre and the host team.	Up to 50 points
Applicants who do not reach a minimum of : will be excluded	25 points

If applicable, applicants will be summoned, by telephone or in a reliable manner, to set the date and time of the interview.

The final resolution of the process will be determined by the sum of the scores obtained in both phases.

### 9. COMPLETION OF THE SELECTION PROCEDURE.

Once the selection process has been completed, the Selection Body will submit to the Managing Director for approval, by means of a Minutes drawn up for this purpose, the proposal of the persons selected to fill the vacancies announced, together with the ordered list of the remaining ones, creating a **waiting list** that will be regulated by **section 12** of these rules.

Together with the minutes, the Selection Body will issue a **report** signed by the person holding the presidency of the Selection Body describing the selection procedure, the evaluation and the justification of the suitability of the selected person, based on the criteria and sub-criteria set out in section 8 of these contracting bases.







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The Selection Body may also submit to the Managing Director, for approval, the declaration of voidness of the competitive examination (complete or of some of the positions), if it considers that, after the completion of any of the phases of the selection system or process, no candidate meets the ideal profile for its coverage.

The Managing Director will publish on the CIIAE website the hiring resolution with the selected candidate/s and the list of gualified persons for the positions to be filled, which will constitute the waiting list in order from highest to lowest score determined by the sum of the scores of each of the phases. This list or waiting list will not include people who have been excluded in any of them.

Likewise, where appropriate, it will publish the Resolution declaring the selection procedure void, if no person meets the ideal profile to fill the position.

## **10. SUBMISSION OF DOCUMENTS AND AWARD**

Selected candidates will be notified of their respective positions and informed of the working conditions.

Before the contract is formalized, the person selected for each position must present, within a maximum period of five working days from his/her appointment, the following documents, if he/she has not presented them with the application to participate in the selection process:

- a) Affidavit or promise that he/she has not been dismissed from the service of any of • the Public Administrations through disciplinary proceedings, nor is he/she absolutely or especially disqualified from public employment or office by a court ruling. In the case of being a national of another State, he/she must present, in addition to the declaration relating to the State Spanish, sworn statement or promise not to be disgualified or in an equivalent situation or to have been subject to disciplinary sanction or equivalent which prevents, in its State, access to public employment under the same terms.
- b) Declaration of not being engaged in any other public or private activity that may require prior authorization or recognition of compatibility.
- c) Responsible Declaration of not having been convicted in the last five years by a final • judgment in judicial proceedings of any kind relating to claims in economic matters and/or financial.
- d) Responsible Declaration on compliance with the requirements established in article 21.a) of Law 14/2011, of June 1, in order to be able to enter into a predoctoral contract or, failing that, to be able to meet the requirements at the time of formalizing the contract. This declaration must include an express statement stating that the applicant does not hold a PhD from any Spanish or foreign university.
- e) Original documents of the photocopies provided during the selection process for



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comparison: Original academic degree required to obtain the position (if the degree is not available, a certificate of studies may be submitted); originals of other degrees, diplomas or certificates provided. In the case of qualifications from foreign countries, a translation of these into Spanish or English must be provided.

The Selection Body may exclude the selected candidate at this time when the documents submitted in accordance with this section do not adequately prove the requirements necessary for the contract. In this case, the Selection Body will present to the Managing Director the proposal to award the position to the next candidate with the best score on the waiting list established in accordance with the previous section, and from that moment on the procedures established in this section will be followed. paragraph.

In the event that the selected person does not present the documentation mentioned in this base within the maximum established period of five working days, provided that this circumstance has not occurred for reasons completely beyond his/her control, the Selection Body will present to the Managing Director the proposal to award the position to the next candidate with the best score on the waiting list formed according to the previous section, following from that moment the procedures established in this paragraph.

In the event of express resignation by the selected person, the Selection Body will act in the same way in relation to the waiting list .

In this way, a waiting list will be created, in descending order according to the classification obtained by the APPLICANTS in the selection procedure.

Finally, you will be summoned for a new medical examination to prove that you do not suffer from any illness or physical or mental limitation that is incompatible with the performance of the position.

## 11. FORMALIZATION OF THE CONTRACT

Incorporation into the job position will take place within **30 calendar days** following the formal request by FUNDECYT-PCTEX.

The legal regime of the job position subject to the selection process will have the characteristics, nature and scope expressed in these bases.

## 12. CASE OF VACANCY OF A PLACE ALREADY AWARDED

The possibility is contemplated that, for various reasons, the awarded position may become vacant before the end of the contract, on a TEMPORARY or DEFINITIVE basis. In these cases, the waiting list may be used. constituted as described in sections 9 and 10 of these bases.







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In the event that the position becomes vacant TEMPORARILY without the maximum contract duration having been reached, a new call will not be made, but the Selection Body will present to the Managing Director the proposal to award the position to the next finalist candidate, following from that moment the procedures established in section 11.

Unless otherwise determined by the Selection Body, temporary filling of positions will only be carried out: (i) if failure to do so could cause serious harm, and (ii) once 30 calendar days have passed since the successful tenderer begins the temporary situation.

The resignation of the following finalist candidates from the temporary coverage of the position will not affect them for future calls if at the time of the call they prove that they are providing services for another entity, public or private.

Among the assumptions that may give rise to this situation are:

- Temporary disability. •
- Leave of absence with the right to reserve a job.

In the event that the position becomes DEFINITIVELY vacant without the maximum contract duration having been reached, a new call will not be made, but the Selection Body will present to the Managing Director the proposal to award the position to the next finalist candidate, following from that moment the procedures established in section 11.

The withdrawal of the following finalist candidate(s) from the definitive coverage of the position will mean that they will be moved to the end of the list of calls, but not their exclusion from the list.

Among the assumptions that may give rise to this situation are:

- Loss of position due to disciplinary reasons.
- Causes validly stated in the contract.
- Voluntary withdrawal of the successful bidder.
- Death of the successful bidder.
- Retirement of the successful bidder.
- By decision of the successful bidder who is forced to permanently leave his/her job as a result of being a victim of gender violence.
- Supervening ineptitude.

The selected person will be summoned for a new entry medical examination, to prove that he or she does not suffer from any illness or physical or mental limitation incompatible with the performance of the position.

Job pools will NOT be established in accordance with these contracting rules.



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### **13. DATA PROTECTION**

FUNDECYT-PCTEX, in compliance with the provisions of Organic Law 3/2018, of December 5, on the Protection of Personal Data and guarantee of digital rights, informs that the personal data provided to us by candidates by sending their application, as well as those that may be generated as a result of their participation in the selection processes, will be stored in a computerized file owned by FUNDECYT-PCTEX in order to fill the vacancies called for.

Participation in the selection processes of FUNDECYT-PCTEX and CIIAE is voluntary, so the communication of your personal data to FUNDECYT-PCTEX is also voluntary, with FUNDECYT-PCTEX understanding that the submission of the curriculum vitae implies express consent for the processing of the personal data of the applicants with the indicated purpose, without prejudice to the fact that, as said treatment is completely voluntary, you may oppose it at any time and revoke the consent given, as well as exercise the rights of access, rectification and cancellation by writing to FUNDECYT-PCTEX, Avenida de la Investigación, s/n, Edificio PCTEX, Campus de la Universidad de Extremadura, 06006 Badajoz, SPAIN, in the terms provided for in the regulations applicable.

In the event that you communicate to us data relating to your health and/or disability for the purpose of applying for positions reserved according to current legislation for disabled people, you declare that your declaration is voluntary and implies express consent for FUNDECYT-PCTEX to store the aforementioned data in the processing for which it is responsible for the purpose of carrying out the tests and selection processes for such persons. effects.

Once the selection process is complete, all personal data will be destroyed once the limitation periods for the corresponding actions have elapsed.

### 14. ADVERTISING THE PROCESS

All communications corresponding to this selection process will be published on the FUNDECYT-PCTEX website and on the CIIAE website.

The Authority: José Luis Canito Lobo, Managing Director FUNDECYT-PCTEX

Signature: Badajoz, as of the date of the electronic signature



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# PREDOCTORAL

Position: Predoctoral researcher contract for the training of predoctoral research staff associated with "Knowledge Generation" projects within the framework of the State Plan for Scientific, Technical and Innovation Research 2021-2023; project PID2023-152312OA-I00, InterGamp (1 position) Offer Date: DOE Publication

Project: CIIAE - Refa PD-InterGamp Knowledge Generation Project (HYDROGEN AND POWER-TO-X) Department: Hydrogen and Power-to-X Estimated start date: first quarter 2025 **Contribution group:** 1

Work center:	University of Extremadura. Caceres Campus			
Work center: Tasks to be developed:	<ul> <li>The predoctoral researcher contract is part of the PID2023-1523120A-100 project of "Knowledge Generation" InterGamP " Interdisciplinary approach towards decentralized and decarbonized electrochemical G reen Am monia P roduction". In line with the interdisciplinary nature of the project, the predoctoral researcher will address experimental and theoretical work related to renewable and distributed ammonia generation.</li> <li>The successful candidate is expected to perform the following tasks:</li> <li>Research activities related to the electrochemical synthesis of ammonia in low-temperature cells, with emphasis on the synthesis and characterization of electrocatalysts, as well as the study of their performance in electrolysers.</li> <li>Research activities related to the electrochemical synthesis of ammonia in solid oxide cells, including the synthesis and characterization of electrochemical cells.</li> <li>Research activities related to atomistic simulations to understand the thermodynamic and kinetic behavior of renewable ammonia generation.</li> <li>Research activities related to techno-economic and environmental modelling of ammonia generation technologies.</li> <li>Participation in ninovation activities ; such as participation in the formulation of new research objectives.</li> <li>Participation in activities related to the management and administration of the doctoral program and the InterGamp project ; such as: preparation of scientific reports.</li> <li>Networking and work networks; such as: collaboration with other internal and external research teams.</li> </ul>			
	<u>Challenges</u> : The aim is for the predoctoral researcher to become an expert in the field of solid-state chemistry and electrochemistry, with a particular focus on materials and solutions for the electrochemical production of renewable ammonia and energy storage applications. On the other hand, the aim is for the PhD student to acquire the necessary skills to generate and evaluate DFT data and to become, in addition, an expert in LCA and techno-economic methodologies.			



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INVESTIGACIÓN





Duration of the contract and/or financial endowment:	Temporary Contract Maximum duration: 4 years from the signing of the contract	The financing of the con the Provisional Resolution Contrato Indemnización por finalización del contrato Estancias en centros de I+D y matrícula de enseñanzas de doctorado TOTAL	Anualidad 1 24.600 630				TOTAL (€) 115.200 3.000 7.000 125.200
Academic background:	Master's degree in engineering, chemistry, physics or related scientific disciplines (for candidates who are finishing, the certificate will be required to sign the contract)						
Other training:	n/a						
<b>Evaluation:</b> evaluable criteria and subcriteria	<ul> <li>Criterion 1: Academic and/or scientific-technical career of the candidate (up to 50 points)</li> <li>Criterion 1.a): Scientific and technical contributions (up to 45 points). The candidate's academic record and other curricular merits will be assessed, as well as their suitability for the tasks to be performed (see section "tasks to be performed") based on training and professional experience.</li> <li>Subcriterion 1.b): Mobility and internationalisation (up to 5 points). The relevance and impact of the candidate's research career will be assessed, as well as stays in national and international centres and/or in the industrial sector, taking into account the prestige of the entity receiving the stay and the activity carried out therein.</li> <li>Criterion 2: Suitability of the candidate for the research activities to be carried out (up to 50 points). The suitability of the candidate for the programme, project or research activities to be carried out will be assessed based on their previous training and experience. To this end, the added value that carrying out the project will represent for their research career will be taken into account, as well as the value contributed to the centre and the host team.</li> </ul>						



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Evaluable knowledge	<b>Techniques</b> (analytics, software, calculations, prototyping, etc.)	<ul> <li>Experimental : <ul> <li>Basic experience in laboratory work and preparation and characterization of new materials.</li> <li>Basic knowledge of some structural, microstructural, thermal and/or electrochemical characterization techniques (e.g. XRD, SEM, TEM, EDX, EIS, etc.).</li> </ul> </li> <li>Theoretical: <ul> <li>Some first experiences in programming, modeling and optimization of energy systems.</li> <li>Some early learning or working experience with computational modelling of materials/processes, e.g. DFT.</li> <li>Statistical skills; e.g. statistical testing and regression.</li> </ul> </li> <li>Others: <ul> <li>Basic knowledge of some energy technologies, including renewables, energy storage, hydrogen, and flexibility and power-to-x technologies.</li> </ul> </li> </ul>			
for the position: academic and	Languages	Excellent oral and written skills in English.			
professional experience	Transversal skills	<ul> <li>Commitment to open science in terms of research methods, data and publications.</li> <li>Ability to work in a diverse and flexible academic environment as a team, but also independently</li> </ul>			
	Willingness to travel and stay abroad	The candidate is expected to travel, both nationally a internationally, in the context of doctoral stays and/or projects and conferences.			
	Publications: scientific articles (in journals indexed in Web of Science and/or Scopus), theses (doctorate and/or master's), presentations at conferences, reports, technical reports, technical guides, etc.	A successfully completed Master's thesis on a relevant topic (the completed or advanced thesis must be included in the application. The completed final thesis will be required to take up the position).			
<ul> <li>Experience with i</li> </ul>	anish and/or Portuguese; ndustrial collaborations and/or	previous experience working in industry; letter of grades will be provided by the candidate in the			

- Grades in ma application); ter's and bachelor's studies (the letter of grades will be provided by the candidate in the
- The master's thesis if available. \_
- \_
- Motivation letter (maximum 1 page) included in the application; Evaluation provided by 2 references via telephone conversation (contact details of the references, e.g. email and telephone, will be provided by the candidate in the application). \_



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#### Selection process details: n/a.

Technical test: NO

#### Language: YES (will be evaluated during the interview)

Job interview: YES

Members of the court	President: José Luis Canito Lobo Secretary of the Selection Body: Lucía Cordón Masero Vocalist : David Parra Mendoza Vocalist: Blanca Arias Serrano Vocalist: Lucia Cordon Masero
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#### Interested parties:

Send all the necessary documentation included in the CALL FOR APPLICATIONS and the JOB OFFER, as well as the ADMISSION APPLICATION. Maximum date of 15 calendar days from the day following publication in the DOE (Official Journal of Extremadura), indicating **Ref. PD-InterGamp Knowledge Generation Project (HYDROGEN AND POWER-TO-X ).** 

"The contract is part of the grant PID2023-152312OA-I00, funded by MCIU/AEI/10.13039/501100011033 and by the ESF+."

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

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#### ANNEX II: FORM OF APPLICATION FOR PARTICIPATION IN SELECTIVE PROCEDURE

#### **RESPONSIBLE DECLARATION TO PARTICIPATE IN THE CALL FOR**

THE HIRING OF RESEARCH STAFF FROM THE IBERIAN CENTRE FOR ENERGY STORAGE RESEARCH (CIIAE), MANAGED BY FUNDECYT-SCIENTIFIC AND TECHNOLOGICAL PARK OF EXTREMADURA.

LAST NAME(S): NAME: DNI: ADDRESS: CP LOCALITY: PROVINCE: CONTACT PHONE: EMAIL:

#### EXPOSES :

That I intend to apply for the selection process for the recruitment of research staff at the Iberian Centre for Research in Energy Storage (CIIAE).

Reference number of the square:\_\_

(Send a declaration of responsibility for each position you are applying for)

I DECLARE UNDER MY RESPONSIBILITY :

FIRST .- Possess the functional capacity to perform tasks .

SECOND.- Not having been removed from the service of any of the Public Administrations and public bodies linked to or dependent on them, or of the Constitutional or Statutory Bodies of the Autonomous Communities, through disciplinary proceedings, nor being absolutely or specially disqualified for public employment or office by a final court ruling.

THIRD.- Not having been convicted in the last five years by virtue of a final judgment in judicial proceedings of any kind relating to claims in economic and/or financial matters .

FOURTH .- In the case of being a national of another State, not be disqualified or in an equivalent situation, nor have been subject to disciplinary or equivalent sanction that prevents access to public employment in their State, in the same terms. Meet the qualification requirements and the remaining requirements specified in the job profile.

FIFTH.- Comply with the requirements established in article 21.a) of Law 14/2011, of June 1, in order to be able to enter into a predoctoral contract or, failing that, be able to meet the requirements at the time of formalizing the contract, expressly declaring that one is not in possession of the title of Doctor, from any Spanish or foreign university .

Signed: .....

THE APPLICANT:

#### TO THE SELECTION BODY



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