

BASES OF THE PROCEDURE FOR THE HIRING OF SCIENTIFIC-RESEARCH STAFF FOR THE IBERIAN CENTER FOR RESEARCH IN ENERGY STORAGE (CIAE) 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 "ALTERNATIVE ROUTES FOR BASIC CHEMICALS PRODUCTION USING HYDROGEN AS FEEDSTOCK" 101177996-ALCHEMHY WITHIN THE PROGRAM/CALL/LINE OF HORIZON-CL4-2024-TWIN-TRANSITION-01 , 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 recruitment procedure for the coverage of the 2 scientific-research staff positions for the Iberian Centre 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 II** to these Bases .

These bases will establish the rules and management system for the selection of personnel to cover the positions indicated in the previous paragraph, within the framework of the project **“ALTERNATIVE ROUTES FOR BASIC CHEMICALS PRODUCTION USING HYDROGEN AS FEEDSTOCK” 101177996-ALCHEMHY WITHIN THE PROGRAM/CALL/LINE OF HORIZON-CL4-2024-TWIN-TRANSITION-01.**

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.

To this end, the CIIAE will focus its activity on the following three major areas to achieve its goals: goals:

1. Research and development of energy storage technologies and their integration with green energies.
2. Close collaboration with the industrial sector and joint development of technologies.
3. Advice and training in green energy and its manageability .

and the following lines that appear in the Supplementary Plan:

1. LA13.1: Development of advanced materials and nanotechnological applications for the development of new batteries and supercapacitors.
2. LA13.2: Storage of non-manageable renewable energy.
3. LA13.3: Phase change materials for thermal storage.

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 matters that affect 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 labor 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. PRINCIPLES 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 **“ALTERNATIVE ROUTES FOR BASIC CHEMICALS PRODUCTION USING HYDROGEN AS FEEDSTOCK” 101177996-ALCHEMHY WITHIN THE PROGRAM/CALL/LINE OF HORIZON-CL4-2024-TWIN-TRANSITION-01**

The notice of applications for the position(s) is attached as **Annex II** 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 II, will be published in the following media:

- FUNDECYT-PCTEX website (<http://www.fundecyt-pctex.es>),
- Website of CIIAE - Iberian Centre for Research in Energy Storage (<http://www.ciaae.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) being advertised are assigned. The information on the category corresponding to each advertised position will appear in the call document attached as Annex II to these bases, as well as in other calls if necessary according to the funding granted for personnel in the project called **“ALTERNATIVE ROUTES FOR BASIC CHEMICALS PRODUCTION USING HYDROGEN AS FEEDSTOCK” 101177996-ALCHEMHY WITHIN THE PROGRAMME/CALL/LINE OF PROPOSAL. HORIZON-CL4-2024-TWIN-TRANSITION-01**

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:



1. 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.

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.

2. Be at least eighteen years of age and not exceed, where applicable, the maximum mandatory retirement age.
3. Possess the functional capacity to perform the tasks tasks.
4. 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 court order. firm.
5. 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.
6. In the case of being a national of another State, not be disqualified 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.

This last requirement, together with requirements numbers 4, 5 and 6 of the list in this section, will be accredited at the time of the application to participate in the selection procedure , by means of the corresponding responsible declarations being provided by the applicant, duly signed and drafted according to the content of the application form attached to these Bases as Annex I.

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 I** 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.
- 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: ciae.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.

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 made up 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.

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 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 applicants 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 CIAE 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 CIAE website.



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 (60 points)
Academic training, scientific-technical merits and transversal competences: the academic training and academic record, scientific-technical merits, transversal competences and other curricular merits of the candidate described in the section “merit and curricular assessment phase” in the offer will be assessed.	Up to 20 points
Participation and/or collaboration in R&D&I projects (1 point for each project up to a maximum of 3 points)	Up to 3 points
English skills	Up to 5 points
Scholarships and/or research contracts obtained through competitive bidding (1 point for each project up to a maximum of 4 points)	Up to 4 points
Having directed or co-directed final degree projects, final master's projects or doctoral theses (1 point for each project directed or co-directed up to a maximum of 4 points)	Up to 4 points
Experience in public-private collaborations or previous work in industry	Up to 3 points
Having completed internships in research centers and/or	Up to 4 points



companies (1 point for each quarter up to a maximum of 4 points)	
Articles, conferences, awards, mentions and other achievements (having been the first or last author in scientific contributions will be valued)	Up to 4 points
Experience in writing and acquiring competitive proposals	Up to 3 points
Experience in pilot plant level research, including protocol planning, trial execution, data collection, and validation of technologies to industry standards	Up to 3 points
Experience in the development of experimental facilities for the measurement of catalytic and/or electrical and/or electrochemical properties	Up to 3 points
Motivation letter	Up to 4 points
Applicants who do not reach a minimum of 100% will be excluded.	30 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 CIAE website.

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 sub-criteria are set out in the following table:

Description of selection criteria	Maximum score (40 points)
Evaluation provided by 2 references in telephone conversation	Up to 4 points
Interest of the candidate to integrate into the organization and in the performance of the position offered	Up to 10 points
Adequacy of knowledge, experience and other requirements to the candidate's profile	Up to 10 points
Competencies, aptitudes, skills and abilities: managerial, organizational, analytical, human team management, communication	Up to 8 points
Communication skills in English and/or Spanish and/or Portuguese	Up to 8 points
Applicants who do not meet a minimum of:	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, constituting 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.

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 qualified 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 disqualified 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) Original documents of the photocopies provided during the selection process for 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.

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. In the case of qualifications from foreign countries, a translation of the same into Spanish or English must be provided.

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 **60 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.

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 DEFINITELY 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.

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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ANNEX I: TEMPLATE FOR 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 (CIAE), MANAGED
BY FUNDECYT-SCIENTIFIC AND TECHNOLOGICAL PARK OF EXTREMADURA.

SURNAME:
NAME:
ID NUMBER/PASSSPORT:
ADDRESS:
POSTCODE:
CITY:
PROVINCE:
COUNTRY:
CONTACT PHONE:
EMAIL:

I STATE:

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

Reference N° of the position: IJ-ALCHEMHY Project (HYDROGEN AND POWER-TO-X)

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

I DECLARE UNDER MY RESPONSIBILITY :

FIRST.- I possess the functional capacity for the performance of the tasks.

SECOND.- I have not been separated by disciplinary proceedings from the service of any of the Public Administrations and public bodies linked or dependent on them, or of the Constitutional or Statutory Bodies of the Autonomous Communities, nor be in absolute or special disqualification for jobs or public positions by final judicial resolution.

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

FOURTH.- In the case of being a national of another State (country) different to Spain, I have not be disqualified or in an equivalent situation, nor have been subjected to disciplinary sanction or equivalent that prevents in my State (country), in the same terms, access to public employment. I also meet the degree 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.

Signature of the candidate:.....

THE APPLICANT:

TO THE SELECTION BODY



ANNEX II: CALL

Junior Researcher

Position:	Junior Researcher Contract associated with the HORIZON-CL4-2024-TWIN-TRANSITION-01 Project - 101177996 ALCHEMHY (Alchemhy Project EU)		
Project:	CIIAE - Ref ^a IJ-ALCHEMHY Project (HYDROGEN AND POWER-TO-X)		
Professional category:	Junior Researcher	Contribution group:	
Work Center:	University of Extremadura. Caceres Campus		
Number of places:	2	Reserve percentage, if applicable:	
Department:	Hydrogen and Power-to-X		
Offer date:	DOE Publication	Deadline for submitting bids:	15 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.		<p>APPLICANTS MUST SEND ALL DOCUMENTATION FROM POINT 5 OF THE RULES, along with any additional documents to be considered</p> <p>The following reference must be included in both the participation request and the email subject line: Ref. IJ-ALCHEMHY Project (HYDROGEN AND POWER-TO-X)</p>
Documents to be submitted with the application:	<p>The documents listed in point 5 of the Call for Proposals</p> <p>As part of the application process, in addition to the mandatory documentation, <u>the submission of the following documents will be considered an asset:</u></p> <ul style="list-style-type: none"> -A motivation letter (maximum 1 page) -Scientific publications -MSc and PhD thesis documents -A letter explaining how you meet the position's requirements and how your skills can contribute to the project's expected tasks 		
		Form of presentation of the application for participation by applicants :	



Contact information for sending requests	<p>FUNDECYT-PCTEX (Science and Technology Park Building), Avda. de la Investigación, s/n, PCTEX Building, Campus of the University of Extremadura – 06006 Badajoz (Spain)</p> <p>Email: ciiae.personal@fundecyt-pctex.es Phone: +34 927 690 042 Ext. 107</p> <p>www.fundecyt-pctex.es</p> <p>www.ciiae.org</p>		
Estimated start date:	April 2025	Probation:	2 MONTHS
Waiting list	Yes, according to the regulations of points 9 and 10 of the Call Bases.		
Conditions and requirements for applicants:	Those established in point 4 of the Call Bases		
Members of the selection body:	President: José Luis Canito Lobo		
	Secretary and member: Lucia Cordon Masero		
	Member: David Parra Mendoza		
	Member: Blanca I. Arias Serrano		
	Member: Juan Maria Gonzalez Carballo		
Tasks to be developed:	<p>The chemical industry is a major energy consumer (10% of global energy) and greenhouse gas emitter (7% of emissions), mainly due to the use of fossil feedstocks. To achieve net-zero emissions targets by 2050, CO₂ emissions must be reduced by 18% by 2030. Platform chemicals, vital for secondary and finished products such as ammonia and methanol, are highly dependent on hydrogen, which is currently mainly obtained using fossil feedstocks. Ammonia production using the Bosch Haber process emits 1.8% of global emissions due to the 95% hydrogen coming from carbon-based feedstocks obtained through energy-intensive steam methane reforming (SMR). Methanol, mainly produced from natural gas or coal gasification, is also largely based on fossil fuels and is used in various chemical processes, contributing to emissions. The integration of green hydrogen is therefore crucial to enable the decarbonisation of these processes as set out in the Processes4Planet strategic research and innovation agenda.</p> <p>ALCHEMHY project aims to support the decarbonisation of the chemical industry by demonstrating four sustainable and cost-effective pathways to produce ammonia and methanol using hydrogen as feedstock.</p> <p>The successful candidate is expected to perform the following tasks:</p> <ul style="list-style-type: none"> - Research activities related to at least one of the following CIIAE activities in the ALCHEMHY project: <ul style="list-style-type: none"> - Activity I (work packages 2 and 5) - review of the state of the art, synthesis and characterization of materials and cells for the electrochemical production of ammonia in solid oxide cells; 		

	<ul style="list-style-type: none"> - Activity II (work package 3) - review of the state of the art, synthesis and characterization of catalysts for plasma-assisted methanol production; - Activity III (work packages 2 and 5) - testing and demonstration at laboratory scale and/or pilot scale of electrochemical and/or thermocatalytic production technologies for ammonia production. - Collaboration internal and external, both with other CIIAE teams and with the rest of the project partners. - Participation in meetings internal and external consortium meetings, both virtually and in person. - Communication and dissemination of results in internal and external consortium meetings, in specialized journals, and at national and international conferences. - Preparation and publication of scientific publications and scientific and technical reports of the project. - Technical and economic management and administration of the project. - Others: identification of new opportunities; writing research proposals; contributing to obtaining competitive funding, both at regional/national and international level. 		
Academic background:	PhD in Chemistry, Chemical Engineering, Industrial Engineering or similar.		
Other training:	n/a		
Contract duration:	3 years		
Remuneration:	Salary Gross Annual: €36,959.30	Financing:	European Health and Digital Executive Agency (HADEA)
Assessment: evaluable criteria and subcriteria	MERIT AND CURRICULAR EVALUATION PHASE (COMPETITION).		
	<ul style="list-style-type: none"> • <u>Techniques (analytical, software, calculations, prototyping, etc.)</u> - Knowledge of the fundamentals and applications of at least one of the following scientific fields: <ul style="list-style-type: none"> - High temperature electrochemical materials and devices based on solid oxides; - Synthesis of methanol, ammonia or other products of interest within the Power - to - X context. - Excellent laboratory skills, including the synthesis and characterization of new or improved materials with unique electrical, and/or catalytic and/or electrocatalytic properties. - Knowledge of several microstructural characterization techniques (e.g. XRD, SEM/EDS, TEM); thermal (e.g. TGA, DSC, dilatometry); electrical (e.g. EIS, 4-probe, IV curves); others (e.g. temperature-programmed methods, physisorption, chemisorption, mass spectrometry, chromatography, FTIR). - Knowledge of energy technologies including renewables, storage, hydrogen and energy conversion. • <u>Participation and/or collaboration in at least 1 R+D+I project</u> 		

	<ul style="list-style-type: none"> • <u>Transversal skills</u> <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 as a team, but also independently. • <u>Languages</u> <ul style="list-style-type: none"> - Excellent oral and written skills in English • <u>Publications:</u> scientific articles (in journals indexed in Web of Science) Science and/or Scopus), thesis (PhD and/or Master's), conference presentations, reports, technical reports, technical guides, etc. <ul style="list-style-type: none"> - At least 2 publications in journals indexed by Scopus (publication of monographs will also be considered) - At least participation in 2 national or international conferences. • <u>To be valued</u> <ul style="list-style-type: none"> - Demonstrated experience in supervising PhD and/or Master's students (daily supervisor). - Experience in drafting and acquiring competitive project proposals, both in the areas of project finance and professional finance. - Experience in pilot plant level research, including protocol planning, trial execution, data collection, and technology validation to industry standards. - Experience in the development of experimental facilities for the measurement of catalytic and/or electrical and/or electrochemical properties. - Experience with industrial collaborations and/or previous experience working in industry. - Willingness to travel and stay abroad, both nationally and internationally, in the context of project meetings and/or conferences. - Knowledge of Spanish and/or Portuguese. - Motivation letter (maximum 1 page) included in the application.
	INTERVIEW PHASE (OPPOSITION).
	<ul style="list-style-type: none"> - Evaluation provided by 2 references in a 10-15 minutes telephone conversation. Contact details for references are provided by candidates in their application. - Interest of the candidate to integrate into the organization and in the performance of the position offered. - Adequacy of knowledge, experience and other requirements to the candidate's profile. - Competencies, aptitudes, skills and abilities: managerial, organizational, analytical, team management, communication. - Communication skills in English and/or Spanish and/or Portuguese.



Selection process details: n/a.

Job interview: YES

Technical test: NO (technical skills will be assessed during the interview)

Language test: NO (English skills will be assessed during the interview, and the interview may be conducted in English or in whole)

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