

#4379

**Public Notice - International Selection Procedure**  
**PhD Scientific Researcher Recruitment (Initial Stage Researcher)**

**FCiências.ID/2023/DL57/IDL/3**

**FCiências.ID - Associação para a Investigação e Desenvolvimento de Ciências**, through its Chairman of the Board of Directors, hereby announces the opening of an international call for the recruitment of a Scientific Researcher with a PhD degree, in the category of Initial Stage Researcher, of the FCiências.ID Scientific Research Career, within the scope of the project SUBMERSE: SUBMarine cableS for ReSearch and Exploration cableS for ReSearch and Exploration (Ref. HORIZON-INFRA-2022-TECH-01-101095055), financed by the European Union's Horizon Europe research & innovation programme under the Grant Agreement No. 101095055, in the form of an indefinite duration fixed-term employment contract, on an exclusive regime, according to the Portuguese Labour Code and Decree-Law No. 57/2016, of August 29<sup>th</sup>, as amended by Law No. 57/2017, of July 19<sup>th</sup>.

**I. Admission Requirements**

Portuguese nationals, foreign and stateless persons may submit applications to this selection procedure, provided they hold a doctoral degree<sup>1</sup> in Geophysics or similar areas, have specialised skills and/or expertise in the field of single and multiple nodes seismic data processing and analysis or related fields of data analysis, and fully comply with the following requirements:

- a) The PhD must have been granted more than 3 years ago;
- b) Demonstrated scientific and/or professional experience in Seismology, namely in the area of single and multiple nodes data processing and analysis - information provided in the CV and/or in the motivation letter;
- c) Experience in managing big datasets - information provided in the CV and/or in the motivation letter;
- d) Knowledge in scripting environments (Linux, Unix, Mac), programming languages like Python, MATLAB, Fortran, C - information provided in the CV and/or in the motivation letter;
- e) Demonstrated previous scientific and/or professional experience in seismic noise analysis, its characterisation and applications, as well as in the processing of data recorded by the ocean floor - information provided in the CV and/or in the motivation letter.

<sup>1</sup> Please note that Degrees obtained in foreign countries need a Portuguese Recognition issued by a Portuguese high degree Institution, according to the [Decree-Law nr. 66/2018](#), of August 16<sup>th</sup> and the [Ministerial Order nr. 33/2019](#), of January 25<sup>th</sup>. The presentation of such Recognition is mandatory for contract signature. More information can be obtained in: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.

**II. Preferential Requirements**

- a) R&D activity in Seismology, namely in the area of single and multiple nodes data processing and analysis - information provided in the CV and/or in the motivation letter;
- b) Experience in participation in national and/or international scientific projects in the scientific areas of this call for applications - information provided in the CV and/or in the motivation letter;
- c) Scientific experience demonstrated by the number, areas and/or publications as 1<sup>st</sup> author in international scientific journals - information provided in the CV and/or in the motivation letter;
- d) Relevant scientific and/or professional training in Seismology and big data processing and analysis - information provided in the CV and/or in the motivation letter;
- e) Demonstrated experience in outreach activities in the scientific area(s) of this call - information provided in the CV and/or in the motivation letter;
- f) Proficiency in English (written and spoken) - information provided in the CV and/or in the motivation letter.

### **III. Applicable Law**

1. Decree-Law No. 57/2016, of August 29<sup>th</sup> (RCD), in the wording conferred on it by Law No. 57/2017, of July 19<sup>th</sup> (RCD);
2. Portuguese Labour Code, as approved by Law No. 7/2009, of February 12<sup>th</sup>, in its current version (CT);
3. Regulatory Decree No. 11-A/2017, of December 29<sup>th</sup>;
4. Administrative Procedure Code, as published in Decree-Law No. 4/2015, of January 7<sup>th</sup>, in its current version (CPA).

### **IV. Work plan**

The work plan tasks are as follows: The researcher will mainly contribute to the SUBMERSE WP3, namely in sub-task 3.1, and will assist the PI in its coordination. The researcher will also contribute to sub-tasks 3.2, 3.3 and 3.4. The research will contribute also to task WP4.

WP3 – Proof of concept and exploitation

3.1 – Technical preparation. The data recorded by the fibre cable sensors will be calibrated with other geophysical sensors like OBS, seismic land stations, oceanographic buoys and meteorological models.

3.2 – Geoscience use cases. It is expected to develop products that can be integrated in the monitoring networks for earthquakes and tsunamis. Data is expected to be distributed by existing data servers.

3.3 – Oceanographic use cases. It is expected to develop products that can be distributed over dedicated websites providing information on oceanic currents, SWH and dominant wave period.

3.4 – Accessibility and community use. Will coordinate the public availability of geophysical and oceanographic products.

WP4 – Communication, Exploitation and Impact.

### **V. Composition of the Jury**

In accordance to article 13 of the RCD, the members of the jury are:

- President – Luis Manuel Matias;
- 1<sup>st</sup> Member of the jury – Susana Custódio;
- 2<sup>nd</sup> Member of the jury – Carlos Corela;
- 1<sup>st</sup> Alternate Member of the jury – Álvaro Peliz;
- 2<sup>nd</sup> Alternate Member of the jury – Rachid Omira.

### **VI. Place of work**

Work will be developed at the facilities of Research Center IDL – Institute Dom Luiz, in Campo Grande, Lisboa, Portugal.

### **VII. Contract Duration**

The full-time indefinite duration fixed-term employment contract, on an exclusive regime, is expected to start in September 2023, and will last until the Work Plan referred to in section IV is completed. It will have an expected duration until 30/04/2026, will not exceed the limits set in the RCD.

### **VIII. Monthly Allowance**

The gross monthly salary is stipulated in clause 1 a) of article 15 of the RCD, corresponding to level 33 of the Single Remuneratory Table, as approved by Government Order No. 1553-C/2008, of December 31<sup>st</sup>, in its current version, being 2228,11 Euros, on an exclusive regime, on which legal discounts will apply, plus holiday and Christmas allowances, as well as food allowance in the amount and conditions set out for workers with a legal employment relationship under the Labour Code.

## IX. Evaluation of applications

1. Failure to comply with the Admission Requirements implies the non-admission of candidates in absolute merit.
2. According to article 5 of the RCD, the selection of the candidates approved in absolute merit will rely on the evaluation of their scientific and curricular achievements in the last five (5) years, taking into consideration the quality and relevance of the scientific production, and the professional activity indicated as more relevant by the candidate, within the scope of the project SUBMERSE.
3. Based on the assessment of the candidates' scientific and curricular background in the last five (5) years, each member of the jury presents a justified proposal for admission (final classification equal to or greater than 75%) or exclusion (final classification below 75%) for each candidate, according to the evaluation criteria referred to in no. 5.
4. The final classification of candidates is given on a scale of 0 to 100%.
5. Evaluation of the relative merit of candidates, will rely on the following criteria:
  - a) Scientific publications in the area - 30%;
  - b) Motivation letter - 30%;
  - c) Participation in relevant scientific projects in the area - 30%;
  - d) Pedagogical, extension and outreaching of knowledge activities, in particular in the context of the promotion of scientific practices, organization of courses, seminars and conferences for promotion and dissemination in the area of the project SUBMERSE - 10%;
  - e) Interview, if deemed necessary by the jury - 10%.
6. The jury may decide to interview the 3 best ranked candidates [in criteria a) to d) of no. 5], for clarifications and improved explanations of curricular elements. If there is an interview, the sum of the classification obtained in the evaluation criteria a) to d) will correspond to 90% of the final classification and the interview will correspond to 10%.
7. The jury shall deliberate by means of a roll-call vote based on the evaluation criteria.
8. Minutes of the jury meetings are drawn up, summarizing all relevant elements considered by jury members, as well as their individual votes and justifications.
9. After completion of the evaluation process, the jury will draw up a ranking of successful candidates with their classifications.
10. Hiring will be decided by the Chairman of the Board of Directors of FCIências.ID, based on the final jury recommendation.
11. The evaluation results will be published on the website of the FCIências.ID ("Concursos" tab). The candidates will be individually notified of the evaluation results by e-mail sent to the address indicated in the "Personal Data" section of the submitted form.
12. With the notification referred to in the no. 11, the hearing phase of interested parties referred to in Article 121 *et seq.* of the CPA will begin, and last for ten working days.
13. The possible pronouncement of the candidate in a prior hearing must be addressed to the President of the jury and submitted in writing to [concursos@fciencias-id.pt](mailto:concursos@fciencias-id.pt). The President of the jury will convene a jury's meeting to produce the final decision, within thirty working days.
14. Within five working days of the final jury decision, the Chairman of the Board of Directors of FCIências.ID will approve it and the candidates will be notified.
15. The communication between FCIências.ID ([concursos@fciencias-id.pt](mailto:concursos@fciencias-id.pt)) and the candidates will be electronic and will comply with the following rules:
  - a) At the time of electronic submission of any document - namely in the case of no. 13 - the candidates must generate proof of "sent message".

- b) FCIências.ID will send an email message acknowledging documents received to the email address used by the candidates, within two working days.
- c) In case of absence of a confirmation receipt by FCIências.ID – showing the possibility of technical problems that should neither be the responsibility of the candidate nor FCIências.ID - the candidates should contact FCIências.ID, with the proof referred to in point (a), to ensure delivery and proper receipt of the documents concerned.

## **X. Processing of personal data**

1. FCIências.ID - Associação para a Investigação e Desenvolvimento de Ciências, as the responsible for processing the personal data, in accordance with the [General Data Protection Regulation](#), collects and processes the personal data requested in the context the job application, under paragraphs b) and c) of Article 6.1 of the General Data Protection Regulation (RGPD).
2. The personal data shall be kept for the period necessary for the execution of the purposes for which they are intended, and the processing and protection, in an appropriate and diligent manner, of the confidentiality and integrity of such data shall be ensured through appropriate technical and organisational measures.
3. Personal data may be transmitted to third parties, namely the entity funding the research project, solely for the purposes specifically established. In this sense, whenever necessary the transfer of personal data to countries outside the European Union and/or international organizations, compliance with the applicable legal provisions shall be ensured.
4. You have the right to request access, rectification, erasure, limitation of processing, the right to object and also data portability (if technically feasible) by sending an e-mail to: [dpo@fciencias-id.pt](mailto:dpo@fciencias-id.pt). You also have the right to lodge a complaint with the National Data Protection Commission.
5. For more information, we recommend that you consult the Internal Rules of Data Protection of FCIências.ID - Association for Research and Development of Sciences at <https://fciencias-id.pt/>.

## **XI. Compliance with public policies**

1. FCIências.ID actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, benefited, disadvantaged or deprived of any right or exempt from any duty due to, inter alia, ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.
2. Under the terms of D.L. No. 29/2001, of February 3<sup>rd</sup>, a disabled candidate has a preference in equal classification, which prevails over any other legal preference. Candidates must declare their respective degree of disability, the type of disability and the means of communication / expression to be used in the selection process, under the terms of the above-mentioned diploma.

## **XII. Submission of Applications**

1. The present call will be open from the 25<sup>th</sup> of July 2023 to the 7<sup>th</sup> of August 2023.
2. The application and all the required documents must be submitted in Portuguese or English.
3. Applications will be submitted online, through the electronic platform of FCIências.ID (<http://concursos.fciencias-id.pt>).
4. On the electronic platform, applicants will complete a mandatory section on Personal Data [name, address, date of birth, contact email, nationality and scientific identifiers] and upload files with the documents listed below:
  - i. Detailed *Curriculum vitae* in PDF format - *mandatory*;

