

CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

1 (one) Research Fellowship (BI) for Master Student

1 Research Fellowship(s) (BI) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “DHEFEUS: Droughts, heatwaves, and fires: Exploring compound and cascading hazards and their impacts in air quality at the European scale under a climate change perspective”, “2022.09185.PTDC”, funded by the Fundação para a Ciência e a Tecnologia, I.P./MCTES through national funds (PIDDAC) under the programme in all All Scientific Domains, under the following conditions:

1. **Scientific Area:** Meteorology, Oceanography or Geophysics (MOG).
2. **Requirements for admission:** Degree in Meteorology, Oceanography and Geophysics, or Geospatial Engineering, or Physics, or Environmental Engineering.
3. **Additional optional skills and qualifications:** Proven experience in Matlab and Python; Knowledge in data acquisition and processing. The candidate must also be fluent in English
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in Master in Meteorology, Oceanography or Geophysics.
5. **Work plan:** The current plan proposes to address the following:
 1. Identify drought and heatwave events affecting Mediterranean EU, since 1979 to present. These will be accomplished through a detailed historical characterization of droughts and heatwaves as well as the concurrence of both events, assessing the underlying soil moisture-temperature coupling mechanisms.
 2. Characterize droughts and heatwaves events that occurred regarding its duration and intensity. This will rely on multi-scale indicators [6, 13] and on statistical analysis to compute extreme events of temperature considering the tails of the distributions (e.g. 95% and 99% percentile). This will allow understanding how the observed average temperatures of the past decades might be linked with the occurrence and properties of individual hazards.
 3. Assess the meteorological and surface forcing mechanisms responsible for triggering droughts, heatwaves episodes in which concurrence exists.
6. **Legislation framework:** Research Fellowship Holder Statute, in accordance with Law 40/2004, of 18 August, in its current version and the FCT Regulation for Research Studentships and Fellowships, in its current version (Reg. 950/2019 published in DR on 16th December: <https://dre.pt/application/file/a/127230968>, or at the FCT website: <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>), and FCiências.ID Fellowship Regulation, as approved on 12th May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCiências.ID](#)).
7. **Place of work:** The work will be developed at the Laboratório Associado Instituto Dom Luiz (IDL) from the Faculdade de Ciências da Universidade de Lisboa under the scientific supervision of Professor Ana Russo e do Dr. Virgílio Bento.
8. **Fellowship duration:** This position is initially opened for 6 months due to start in September 2023. The fellowship contract may be potentially renewed for 6 months.
9. **Monthly allowance:** The fellowship amounts to € 930,98, according to [table values](#) of the fellowships awarded directly by the FCT, IP. The fellowship holder will have a personal accident insurance and can ensure the right to social security through adherence to the voluntary social insurance scheme, if not covered by any other social protection scheme, pursuant to *Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social*.

CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

The fellowship will be paid monthly by bank transfer.

10. **Evaluation and selection process:** The selection procedure will rely on the evaluation of the following aspects: Curricular evaluation (50%), experience with databases (10%), good command of the English language (15%), programming experience (25%).

Applicants whose application is scored with a final classification of less than 60 points are not eligible for granting a fellowship.

11. **Selection Committee:** President - Doctor Ana Russo, 1st Effective member - Professor Célia Gouveia, 2nd Effective member – Professor Carlos Camara, 1st Alternate member - Doctor Alexandre Ramos, 2nd Alternate member - Professor Ricardo Trigo.

12. **Publication/notification of results:** All the candidates will be notified by e-mail, sent by the call holder, with the selection meeting minutes enclosed.

13. **Deadlines:** This call for applications is open from 19/06/2023 to 30/06/2023 .

14. **Application:** Applications should be sent via e-mail to acrusso@fc.ul.pt, by attaching the following documents:

- a. Curriculum vitae;
- b. Certificate of completion of previous degree;
- c. List of the grades obtained in the various Bachelor degree courses;
- d. Other documents considered relevant.

15. **Processing of personal data:** FCIências.ID – Associação para a Investigação e Desenvolvimento de Ciências, as the controller under the General Data Protection Regulation, collects and processes the personal data requested in the context indicated in paragraph 14., under the legitimate interests in ensuring the award of the research fellowship to candidates with the indicated profile.

The personal data will be kept for the period necessary for the execution of the purposes for which they are intended, being ensured the processing and protection in an appropriate and diligent way, the confidentiality and integrity of these data, through appropriate technical and organizational measures.

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 the transfer of personal data to countries outside the European Union and/or international organizations is necessary, compliance with the applicable legal provisions is ensured.

You have the right to request access, rectification, elimination, limitation of processing, the right to object and also data portability (if technically feasible), through the e-mail address: dpo@fciencias-id.pt. You also have the right to lodge a complaint with the National Data Protection Commission.

For more information, we recommend consulting the Internal Rules of Data Protection of FCIências.ID - Association for Research and Development of Sciences at <https://fciencias-id.pt/>.

16. **Time limits for the appeal procedure:** In case of negative decision, the candidates have 10 business days, after the date of announcement of the results of the candidates' evaluation, to pronounce their disagreement in accordance with the *Código do Procedimento Administrativo*. Appeals against the final decision may be submitted to the Administration Board of FCIências.ID (fciencias.id@fciencias-id.pt) within 15 business days after the notification date.

CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

Note 1: The documents that prove the entitlement of the academic qualifications and diplomas, or the proof of registration in the academic degree or diploma requested on the call, can be dismissed during the application period and replaced by a declaration on their honour from the applicant. Their delivery is mandatory for the fellowship contractualization.

Note 2: Please note that - higher education degrees and diplomas awarded by foreign higher education institutions need to be recognized by a Portuguese higher education institution, pursuant to the [Decree-Law nr. 66/2018](#) (August 16) and the [Ministerial Order nr. 33/2019](#) (January 25). The presentation of the recognition certificate is mandatory for contract signature. More information can be obtained at: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.