

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

### 1 (one) Research Fellowship for R&D Initiation (BII) for BSc Student

1 Research Fellowship(s) for R&D Initiation (BII) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution Own funds for the development of R&D projects in the area of Electrical and Computer Engineering, financed by Centre for Ecology, Evolution and Environmental Changes, cE3c, under the following conditions:

1. **Scientific Area:** Electrical and Computer Engineering
2. **Requirements for admission:** Completed High School. Previous experience using C-programing, javascript and python.
3. **Additional optional skills and qualifications:** Previous experience in processing spatial data and remote sensing data using Google Earth Engine.
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in undergraduate degree in Electrical and Computer Engineering, or Computer Engineering or similar.
5. **Work plan:** Development of a Google Earth Engine application to compute, filter and export time-series of vegetation indices based on high-resolution remote sensing multispectral images over several regions of interest. Regions of interest will be defined using vector files (points or polygons). Remote sensing data will include sentinel 2 high-resolution imagery, from september of 2017 up to september of 2022. Relevant vegetation indices (e.g., NDVI) will be computes and filtered using data quality criteria. Data will be extracted in several sites along mainland Portugal. Time series will be later processed to determine phenological parameters. All processed data will be compiled in a spatial time-series database.
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 16<sup>th</sup> 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 12<sup>th</sup> May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCIências.ID](#)).
7. **Place of work:** The work will be developed at the Centre for Ecology, Evolution and Environmental Changes, cE3c, at Faculdade de Ciências da Universidade de Lisboa, under the scientific supervision of Professor Cristina Branquinho.
8. **Fellowship duration:** This position is initially opened for 1 months due to start in November 2022. The fellowship contract may be potentially renewed for 2 months.
9. **Monthly allowance:** The fellowship amounts to € 486,12, according to [table values](#) of the FCIências.ID Fellowship Regulation.. 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*. The fellowship will be paid monthly by bank transfer

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10. **Evaluation and selection process:** Candidates will be assessed by a) CV (65%), b) motivation letter, clearly indicating the candidate's previous experience focusing on the requirements for admission and additional optional skills and qualifications (35%). If necessary, an interview will be carried out with the 3 best candidates. If there is an interview, the sum of the evaluations obtained in the evaluation criteria a) and b) will correspond to 90% of the final classification and the interview to 10%.

Applicants whose application is scored with a final classification of less than 50 points are not eligible for granting a fellowship.

11. **Selection Committee:** President of the jury: Cristina Branquinho, Effective members: Maria Alexandra Oliveira and João Nuno de Oliveira e Silva, Alternate members: Helena Serrano and Alice Nunes.

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 27/10/2022 to 07/11/2022 .

14. **Application:** Applications should be sent via e-mail to [cmbranquinho@fc.ul.pt](mailto:cmbranquinho@fc.ul.pt), by attaching the following documents:

- a. Curriculum vitae - **CV may be provided in PDF or through the [CIÊNCIAVITAE](#) system;**
- b. Certificate of completion of previous degree;
- c. Motivation letter, clearly indicating the candidate's previous experience focusing on the Requirements for admission and Additional optional skills and qualifications

15. **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](mailto:fciencias.id@fciencias-id.pt)) within 15 business days after the notification date

**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>.