

Reference: BI/CESAM/Vp/2024

NOTICE FOR THE AWARD OF GRANTS IN THE SCOPE OF R&D PROJECTS AND INSTITUTIONS

A tender is hereby opened for the award of **1 Research Grant** (RG) in the scope of R&D CESAM – Centre for Environmental and Marine Studies (UIDP/50017/2020 + UIDB/50017/2020 + LA/P/0094/2020) under the following conditions:

1. Scientific Area: *Meteorology and Physical Oceanography*

2. Funding Source: Foundation for Science and Technology, I.P./MCTES, through national funds

3. Admission Requirements: 1) Students enrolled in a PhD course in Marine Science, Technology and Management, or in an area of scientific relevance to CESAM's mission, with experience in the use of the Delft3D flexible mesh numerical model, in the study of saltwater intrusion in the Ria de Aveiro and the salt flux decomposition in an estuarine environment, and as a user of the Python programming language.

(See Courses at: Courses - University of Aveiro (ua.pt) and Training at UA - formacao - University of Aveiro)

The proof of enrolment must be made available until the contract is awarded, and the candidate may attach a [declaration of honor](#) to confirm that they meet the requirements for enrolment in doctoral program.

If the qualification has been conferred by a foreign higher education institution it must be **recognized by a Portuguese higher education institution**, under the terms of the provisions of article 25 of Decree-Law no. 66/2018, of August 16th, which approves the legal regime of recognition of academic degrees and diplomas of Higher Education, attributed by foreign higher education institutions, and of paragraph e) of no. 2 of article 4 of Decree-Law no. 60/2018, of August 3rd, and any formalities established therein must be fulfilled by the date of the hiring act.

4. Eligibility: Applicants are eligible if they comply with paragraph a) of no.1 of article 2, of the Research Fellow Statute as amended by Decree-Law no. 123/2019, of August 28th, as well as nos. 1 and 2 of article 6 of the Research Grant Regulations of the Foundation for Science and Technology. The RG(s) awarded to undergraduate or master students enrolled in courses that do not confer academic degree may only be granted to those who do not exceed, upon conclusion of the grant contract in question, including possible renewals, an accumulated period of two years in that type of grant, consecutive or interpolated, under the terms of no.5 of article 6 of the aforementioned Regulations.

5. Work plan:

1. Optimization of the Delft3D flexible mesh numerical model for the Ria de Aveiro.
2. Study of saltwater intrusion in the Ria de Aveiro under different geomorphological scenarios.
3. Evaluation of the mechanisms involved in salt transport under different geomorphological scenarios.
4. Writing a scientific report.

6. Applicable legislation and regulations: Statute of Scientific Research Grant Holder, as amended by Decree-Law no. 123/2019, of August 28th; Regulation no. 950/2019, of November 29th, published in Diário da República, no. 241, Series II, of December 16th (FCT, I.P. Research Grants Regulation); Decree-Law no. 66/2018, of August 16th (Legal regime for recognition of academic degrees and diplomas of higher education awarded by foreign higher education institutions).

7. Workplace: The work will be carried out at the CESAM / Physics Department of the University of Aveiro, under the scientific supervision of Professor João Miguel Sequeira Silva Dias.

8. Duration of the grant(s): The grant duration will be 4 months, starting in June of 2024, and may be renewed for additional periods, up to the maximum limit of approved funding. Under no circumstances shall it exceed the limits

defined in nos. 3 and 4 of article 6, of Regulation no. 950/2019, of November 29th, published in Diário da República, no. 241, Series II, of December 16th (Research Grants Regulation of FCT, I.P.).

9. Amount of monthly maintenance allowance: The amount of the grant corresponds to €1.259,64, according to the table of monthly maintenance allowance amounts set out in Annex I of Regulation no. 950/2019, subject to any updates that may be applicable, under the terms of no. 2 of article 18 of Regulation no. 950/2019, of November 29th, published in Diário da República, no. 241, Series II, of December 16th (Research Grants Regulation of FCT, I.P.). The fellow may also be reimbursed for the amount corresponding to the Voluntary Social Security, in case of adherence to this plan

10. Selection methods: The selection methods to be used will be the following: *Curriculum vitae assessment, scientific knowledge in the field, and interview*, with the respective value of 60%, 30% and 10%.

11. Composition of the Selection Jury: President: João Miguel Sequeira Silva Dias, Professor Catedrático; Vogals: Carina de Lurdes Bastos Lopes, Professora Auxiliar, Magda Catarina Ferreira de Sousa, Professora Auxiliar. Substitute Vogals: José Fortes do Nascimento Lopes, Professor Auxiliar, Nuno Alexandre Firmino Vaz, Professor Auxiliar.

12. Deadline for applications and how to submit applications: The call is open from 9 to 22 of April 2024 and only applications submitted within the deadline will be admitted.

Applications must be formalized by sending a letter of application accompanied by the following documents: *Curriculum Vitae, certificate of qualifications, copy of enrollment in 3rd cycle (doctoral program) declaration of honor and other supporting documents deemed relevant*. They shall also indicate the e-mail address to which by such indication they accept to be notified for all purposes within this procedure.

Applications should be sent by e-mail to joao.dias@ua.pt with subject "application grant" and the reference of this call.

13. Form of publication/notification of results: The final results of the evaluation will be published through an ordered list by final mark obtained posted on the University's website, within 90 working days after the final date of submission of the application, and the successful candidate will be notified by email. For the purposes of prior hearing of interested parties, the deadline of 10 working days is set, as provided for in the Code of Administrative Procedure. At the end of the period for hearing the interested parties, and in the absence of any response from them, the list of candidates will become final. Candidates may lodge a complaint against the final decision within 15 working days, or appeal to the maximum executive body of the funding entity within 30 working days after notification of the final decision, in accordance with the provisions of article 12 of the Research Grants Regulation of the Foundation for Science and Technology.

14. Tender duration: The final ranking list of candidates will be valid until 30/06/2024 for the purpose of constituting a reserve list for selection.

The models of the grant contract and of the final report to be prepared by the grant holder and the supervisor are available at [Research fellows - sgrh - Universidade de Aveiro \(ua.pt\)](#).