

Reference: Public notice *BII/CESAM/Vp_PS/2024*

NOTICE FOR THE AWARD OF RESEARCH GRANTS

A tender is hereby opened for the award of *one Starting Research Grant(s)* (SRG) under 'Development of a Forecasting System for Waves and Coastal Overtopping' at the Centre for Environmental and Maritime Studies (CESAM), under the following conditions:

1. Scientific Area: *Meteorology and Physical Oceanography*

2. Financing Source: *Own revenue*

3. Admission Requirements:

1) Students enrolled in the 1st Cycle in Meteorology, Oceanography and Climate at the University of Aveiro with the following preferential factors: (i) being enrolled in the Project curricular unit; (ii) having competences in the area of computing (iii) having full availability to take part in this project.

(View Courses at: [Courses - University of Aveiro \(ua.pt\)](https://www.ua.pt/courses) and [Training at UA - Universidade de Aveiro](https://www.ua.pt/training))

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 a higher professional technician course, undergraduate degree, integrated master's degree or master's or in a course that does not confer an academic degree.

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 in the wording given by Decree-Law no. 123/2019, of August 28th, and also the provisions of article 10 of the Scientific Research Grant Regulations of the University of Aveiro. (The SRG(s) cannot be awarded to those who have already benefited from research grants awarded under the Research Fellow Statute.

5. Work plan: The grant holder will contribute to the development of a coastal warning system based on the outputs of the WW3 numerical wave propagation model in forecast mode. The fellow will integrate the results of this model with the automatic calculation of the total water level at different locations along the Aveiro coastline and assess the probability of dune collision, overtopping or flooding. The numerical results will be validated by comparison with field observations. At the end of the scholarship, the grant holder will have to prepare a report summarizing the results obtained.

6. Applicable legislation and regulations: Research Fellow Statute, as amended by Decree-Law No. 123/2019, of August 28th; Scientific Research Grant Regulation of the University of Aveiro, Regulation No. 292/2020, published in Diário da República No. 61, Series II, of March 26th; Decree-Law No. 66/2018, of August 16th (Legal regime of 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 Physics Department of the University of Aveiro, under the scientific supervision of Professor Manuel Cruz Alves da Silva, researcher CESAM.

8. Duration of the grant(s): The grant duration will be 6 months, starting in December 2024, and may be renewed for equal periods until the end of the funding period, but may in no case last more than one year, according to the terms of

no. 3 of article 10 of Regulation no. 292/2020, of February 28th, published in Diário da República, no. 61, Series II, of March 26th (Scientific Research Grant Regulation of the University of Aveiro).

9. Amount of monthly maintenance allowance: The amount of the grant corresponds to €541,12, according to the table of values of monthly maintenance allowances, set out in *Appendix III of the Scientific Research Grant Regulation of the University of Aveiro*, subject to any updates that may occur and are applicable. 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: curricular assessment (CA), attendance of UC in the area of computing and respective classification and knowledge of programming languages (LP), and motivation letter (CM), with the respective value of: CA (40%), LP (40%), and letter of motivation (20%).

11. Composition of the Selection Jury: President: Dr Amadeu Mortágua Velho da Maia Soares, Director of CESAM, and the members Dr Paulo Manuel Cruz Alves da Silva, Associate Professor at the Physics Department of the University of Aveiro, Dr Tiago André Abreu, Adjunct Professor at the Instituto Superior de Engenharia do Porto and Dr Paulo Baganha Baptista, Assistant Researcher at the University of Aveiro; alternate members Dr José Fortes do Nascimento Lopes, Assistant Professor at the Physics Department of the University of Aveiro and Nuno Alexandre Firmino Vaz, Assistant Professor at the Physics Department of the University of Aveiro.

12. Deadline for applications and how to submit applications: The call is open from 5 November to 18 November 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, motivation letter, 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 cesam-bolsas@ua.pt.

13. Form of publication/notification of results: The results of the evaluation shall be made public no later than 60 working days after the closing date for submission of applications and shall be notified to the applicants. The candidates are informed, in a prior hearing, under the terms established in the Code of Administrative Procedure, of the probable meaning of the final decision, and may, within 10 working days of this notification, express their opinion on this decision. The final results may be appealed to the Rector, to be submitted within 10 working days from the respective notification.

14. Tender duration: The final ranking list of candidates will be valid until 18 February 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 \(ua.pt\)](#)

Paulo Manuel Cruz Alves da Silva