	CENTRO DE CIÊNCIAS DO MAR DO ALGARVE	IP.CCM.008
		REV.: 02
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Post-Doctoral Fellowship – 1 Vacancy

Within the project – HotClim

Project Ref^o: 2024.17157.PEX

Ref. ^a: CCMAR/BPD/08/2026

The Centro de Ciências do Mar do Algarve (CCMAR) opens one (01) vacancy for a postdoctoral fellowship (BPD) in the scientific area of **Biochemistry, Global Changes and Paleoclimatology** or related area, eligible to candidates of any nationality, including stateless persons and beneficiaries of the political refugee status, within the scope of the research project **2024.17157.PEX**, designated by **HotClim** – “*Variações do hidroclima, vegetação e incêndios em períodos quentes do passado: Um alerta para o futuro?*” funded by the Foundation for Science and Technology, under the following conditions:

1. Host and Contracting Institution: CCMAR

2. Work Plan, Tasks and Objectives:


The HotClim project aims to improve our understanding of hydroclimate variability and environmental responses during past warm climate states through the integration of terrestrial and marine proxy records from the Iberian Margin. By combining reconstructions of vegetation, fire activity, sea surface temperature and climate dynamics, the project seeks to identify the mechanisms controlling regional hydroclimate variability and its links with large-scale climate forcing. The postdoctoral researcher will contribute to all scientific tasks of the project, participating in the generation, integration and interpretation of paleoclimate datasets, with a particular focus on sea surface temperature reconstructions and the identification of hydroclimate variability and forcing mechanisms.

Task 1. Reconstruction of Vegetation and Climate Changes

- a. Contribute to the interpretation and integration of vegetation and climate records generated from terrestrial proxy data;
- b. Participate in the compilation and analysis of datasets relevant for understanding land-atmosphere interactions during past warm climate intervals.

Task 2. Reconstruction of Fire Activity

- a. Contribute to the interpretation of fire activity records and their relationship with climate and vegetation variability.
- b. Integrate fire reconstructions with other environmental indicators generated within the project.

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Task 3. Reconstruction of Sea Surface Temperature Conditions

- a. Preparation and processing of marine sediment samples for biomarker analyses;
- b. Extraction, purification and quantification of organic biomarkers using established laboratory protocols;
- c. Generation of high-resolution SST reconstructions based on alkenone paleothermometry and other relevant geochemical proxies;
- d. Processing, quality control and interpretation of SST datasets.

Task 4. Identification of Hydroclimate Variability and Forcing Mechanisms

- a. Integration of terrestrial and marine proxy records generated within the project;
- b. Compilation and harmonization of paleoclimate datasets from HotClim and complementary regional and global records;
- c. Application of statistical and time-series analyses to identify climatic variability, transitions, periodicities and forcing mechanisms;
- d. Investigation of the links between SST variability, hydroclimate changes, vegetation dynamics and fire activity;
- e. Development of a comprehensive synthesis of ocean-atmosphere-land interactions during the studied intervals.


Task 5. Dissemination of Project Findings and Outreach

- a. Preparation of scientific manuscripts for publication in peer-reviewed international journals;
- b. Presentation of results at national and international scientific meetings;
- c. Contribution to project reports, deliverables and public data repositories;
- d. Participation in outreach and science communication activities, including seminars, workshops, public engagement events and educational initiatives promoted by the project.

Expected Outputs:

The work developed under this fellowship is expected to contribute to:

- High-quality paleoclimate datasets generated within the HotClim project;
- Integrated reconstructions of vegetation, fire activity, sea surface temperature and hydroclimate variability;
- Improved understanding of the mechanisms driving climate variability during past warm climate states;
- Scientific publications in international peer-reviewed journals;
- Presentations at international conferences and scientific meetings;
- Dissemination of project outcomes to the scientific community and the general public.

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3.Scientific Supervisor:

Doctor Teresa Rodrigues, Assistant Researcher at IPMA and CCMAR member.

4.Workplace:

The place of work is at IPMA Algés, Divisão de Geologia e Georrecursos Marinhos Av. Doutor Alfredo Magalhães Ramalho nº6, 1495-165 Algés, Portugal and other places necessary for the competition of the work plan.

5.Requirements for the application:

The Candidates must meet the following conditions:

1. PhD certificate in Marine Sciences, Geology, or related areas, obtained in the three years prior to the date of submission of this application;
2. Candidates who have carried out research work leading to a doctoral degree at CCMAR as host institution are not eligible;
3. The candidates must comply with Article 3 of the CCMAR Scholarship Regulations, [here](#). This will be confirmed in the Curriculum Vitae.

Non-compliance justifies exclusion from the procedure.


6.Evaluation Criteria:

Through the analysis of the application documents the evaluation criteria for the applications and their relative weight for ranking are as follows:

- a) Academic background and curriculum vitae relevant to the scientific area (40%);
- b) Previous experience in laboratory work related to sediment analysis, geochemistry or environmental sciences (30%);
- c) Motivation and interest in paleoclimate research and laboratory analytical techniques (30%)

The selection committee reserves the right to contact and interview candidates if additional information or clarification of any curricular aspect is necessary. In case it takes place, the interview aims to evaluate in more detail the curricular items used to grade the candidate according to the list above.

In the event that no applicant has the necessary profile, the selection committee reserves the right to close the call without any recruitment. In the event that the selected person does not take up the position because of failure to comply with documentary requirements or any other reason, or later during the contract if they resign, the jury reserves the right, upon convenience and opportunity, to assign the post to the next applicant in accordance with the ranking positions based on the selectable reservation list that can be used up to 12

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months of the date of the present announcement.

7. Fellowship conditions: The fellowship will have an initial duration of 11 months, with an expected start date of September 2026 and eventually renewed for additional periods or until the end of research project never exceeding a maximum of 36 months. The fellowship must be carried out under an exclusivity regimen, according to the CCMAR fellowship regulations (see [here](#)), and the FCT fellowship regulation based on the Portuguese law 40/2004, of 18 of August (Scientific Research Fellowship holder statutes) amended by the Decree-Law 123/2019 of 28 of August. A maintenance allowance of 1901.00€ will be paid monthly, through bank transfer, and will be updated as stipulated by the Foundation for Science and Technology (see [here](#)).

8. Application period: from 25th of June 2026 to 13th of July 2026 at 23:59 (Lisbon time, Portugal).

9. Application process and mandatory documents:

Only complete applications submitted directly and obligatorily on the CCMAR website, <https://ccmar.ualg.pt/en/career-opportunities>, are accepted and must include the documents below indicated under penalty of exclusion:


1. Copy of the Doctoral Certificate;
2. Detailed Curriculum Vitae (in English);
3. A letter of motivation (in English);
4. The email contact of up to 3 referees.

The submission of an application without the documents/information required above determines the immediate rejection of the application.

10. Results and Prior Hearing: Notification of admission and ranking results will be communicated by email to candidates within 90 working days after the deadline for submitting applications. After said notification, the candidates have 10 working days to comment/challenge the preliminary decision.

11. Selection Committee:

Doctor Teresa Rodrigues, Assistant Researcher at IPMA and member of CCMAR (president of the jury); Doctor Dulce Oliveira, Project Coordinator and Researcher at CCMAR (member); Doctor Pedro Reis da Costa, Principal Researcher at IPMA and member of CCMAR (member); Doctor Coralie Zorzi, Junior Researcher at CCMAR (substitute member); Doctor Filipa Naughton, Assistant Researcher at IPMA and member of CCMAR (substitute member).

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12. Notes:

Hiring Documents

After the candidate is selected and for the hiring purpose the following documentation/information will be requested:

- Copy of the doctoral degree;
- Declaration of commitment stating the exclusivity regime;
- Declaration of the commitment of honour;
- Civil, fiscal and social security Identification (if applicable);
- Account Number – IBAN;
- Ciência ID: <https://www.ciencia-id.pt/CiencialD/HomePage.aspx>

13. Fellowship Agreement model:

After the candidate selection and all information is received, it will be signed a fellowship agreement in accordance with the model [here](#).

14. Fellowship holder Assessment:

The activity developed by the fellowship holder will be evaluated by the supervisor, by applying the following criteria, in accordance with the model below.

Criterion 1 – Scientific and technical performance in the execution of the work plan (40%)

Assessment of the quality, rigor and autonomy demonstrated in the development of the research activities, including data generation, processing, analysis, interpretation and integration of project results.

Criterion 2 – Achievement of project objectives and contribution to project tasks (35%)

Assessment of the contribution to the implementation of the different project tasks, compliance with established milestones and deliverables, and active participation in project activities and collaborative work.


Criterion 3 – Scientific dissemination and publication of results (25%)

Assessment of contributions to scientific publications, conference presentations, project reports, dissemination activities and other actions promoting the visibility and impact of the project results.

15. Supervisor report model: [here](#).

16. Fellowship holder report:

By the end of each fellowship period (if applicable) the fellowship holder must present a report. You can find the fellowship holder final report model [here](#).

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17. Notes:

17.1 The board of Directors reserves the right, due to a change in circumstances at the date of the present announcement, to cancel the present call without any recruitment.

17.2 Disabled candidates shall be preferred in a situation of equal ranking, and said preference supersedes any legal preferences. Candidates must declare, on their honour, their respective disability degree, type of disability and communication / expression means to be used during selection period on their application form, under the regulations above.

17.3 CCMAR encourages applications from individuals with disabilities, including those with a disability degree of $\geq 60\%$.

17.4 CCMAR subscribes to the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (Charter and Code).

17.5 CCMAR's non-discrimination and equal access opportunities policy – No candidate can be privileged, benefited, jeopardised or be deprived of any right or exempt of any claim in regards to descendent, age, gender, sexual orientation, marital status, economic situation, origin, social economy, genetic heritage, disability, chronic disease, nationality, ethnicity, territory of origin, language, religion, politics, ideology or union membership.

Faro, 17 of June 2026