



UNIVERSIDADE DE ÉVORA

IIFA - INSTITUTE FOR RESEARCH AND ADVANCED TRAINING OF THE UNIVERSITY OF ÉVORA

MASTER SCHOLARSHIP - 1 VACANCY

Sines Nexus Project

20th of March of 2023

A call for tenders is open for one Master Scholarship within the scope of the **WP8 - Decarbonisation - State of the Art - Port of Sines Energy Matrix Characterisation** of the Research Project named “Agenda Mobilizadora: Sines Nexus”, with reference “Master Scholarship - 5295”, financed by national funds through “PRR - Plano de Recuperação e Resiliência”, under the following conditions:

Scientific area: Environmental Engineering, Environmental Sciences, Agricultural Sciences, Agronomy or related or Electrical Engineering, Electromechanical Engineering, Energy Resource Engineering, Computer Engineering, Renewable Energy Engineering or related.

Admission requirements:

A Bachelor’s Degree in Environmental Engineering, Environmental Sciences, Agricultural Sciences, Agronomy or related areas or Electrical Engineering, Electromechanical Engineering, Energy Resource Engineering, Computer Engineering, Renewable Energy Engineering or related. Mastery of the Portuguese and English languages, spoken and written, is fundamental.

The application file should include detailed information about the candidates profile, with reference to the classification obtained in the bachelor and master degrees and, participation in projects, works and publications developed and produced previously.

As set forth FCT Research Scholarship Regulation No. 950/2019 of December 16, 2019, article 3 and 6, candidates for “**BI**” (Research Grants) must comply as a rule condition for the award of the scholarship, the effective inclusion in study cycles leading to the attribution of academic degrees or in courses not leading to an academic degree. Courses that do not confer an academic degree correspond to the courses provided for in subparagraph e) of paragraph 3 of article 4 of Decree-Law No. 74/2006 of 24 March and must be developed in a higher education institution in association with at least one R&D unit, including a course plan in one or several research areas of the unit.

Work plan:

Participation in the definition of requirements and development of evaluation methodology for consumption and GHG emissions in the Port of Sines, namely:

- Analysis of the available bibliography;





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- Collection of consumption/emission data from the Sines Port Administration and concessionaires;
- Characterization of energy consumption in buildings and their consumption patterns by building typology
- Calculation and modeling of consumption/emissions in buildings
- Characterization of vehicle typologies (land and sea) and energy consumption patterns
- Characterization of the energy matrix of the Port of Sines and modeling until 2050.

In parallel:

- Participation in national and international technical-scientific meetings.
- Support in the preparation of interim reports and collaboration in the final report.
- Monitoring of the project's evaluation indicators.
- Preparation of scientific papers for publication in indexed international journals.
- Support for the organization and participation in dissemination actions.
- Support for the organization of workshops and seminars.

Applicable legislation and regulations: The granting of the Research Scholarship will be carried out upon the signing of a contract between the University of Évora and the scholarship holder, as set in the template [former.fct.pt/apoios/Minuta_Contrato_Bolsa.docx](https://www.fct.pt/apoios/Minuta_Contrato_Bolsa.docx), pursuant to the Research Scholarship Statute (Law No. 40/2004 of August 18 and Decree-Law No. 123/2019 of August 28) and in accordance with the legislation and Regulation of Research Grants of the Foundation for Science and Technology, IP in force, regulation nº950/2019 of December 16, 2019: <https://files.dre.pt/2s/2019/12/241000000/0009100105.pdf> and other applicable rules.

Place of work: The work will be developed at IIFA - Instituto de Investigação e Formação Avançada of the University of Évora, under the scientific guidance of the Professor *Maria Teresa Folgôa Batista*.

Duration of the scholarship(s): The scholarship will have a duration of 12 months, starting on May of 2023. The scholarship contract may be renewed up to december of 2025 or until the end of the funding project's budget allocation.

Amount of monthly maintenance allowance: The amount of the scholarship corresponds to €930,98, according to the table of scholarships awarded directly by FCT, I.P. in Portugal (https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf), payments being made monthly, by check or bank transfer.

Selection methods: The selection methods to be used will be the following: Curriculum Evaluation 20 values (100%) and Interview (if necessary), in which case the valuation is 12 values (60%) for the curriculum evaluation and 8 values (40%) for the interview.

Composition of the Selection Jury:

President: Professor Maria Teresa Folgôa Batista
1st Member – Professor Fátima de Jesus Folgôa Batista
2nd Member - Professor Carlos Pinto Gomes



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1st Substitute – Professor Luis Manuel Navas

2nd Substitute – Professor Rodrigo Ramirez

Advertising/notification of results: The final results of the evaluation will be publicized, through an ordered list by final grade obtained posted in a visible and public place IIFA - Instituto de Investigação e Formação Avançada, being the candidate (a) approved notified through email.

To ensure the right of prior hearing of interested parties, the Final Classification project will be announced by any written means to all interested parties.

After communicating the provisional list of the results of the evaluation, candidates have a period of 10 working days to express their opinion in a preliminary hearing of interested parties.

Application deadline and submission of applications: The tender is open from 31st of March to 26th of April of 2023 and the results of the selection will be published by 2nd of May of 2023.

Applications must be formalized, obligatorily, by sending an application letter with the following documents: Curriculum Vitae, certificate of qualifications, reference or recommendation letters.

For the purposes of application, the evidence may be replaced by a declaration of honor signed by the candidate, but the failure to demonstrate that evidence, in the contracting phase, possession of the required degree on the deadline for application or the non-presentation of proof of enrollment in the study cycle or non-degree course, for scholarships with this component, imply the cancellation of the candidate's application.

Academic degrees obtained in foreign countries require registration by a Portuguese Institution in accordance with Decree-Law no. 66/2018, of August 16 and Ordinance No. 33/2019, of January 25th.

The presentation of the certificate is mandatory for the signing of the contract. More information can be obtained at: <https://www.dges.gov.pt/pt/pagina/recognition?plid=374>

Applications must be sent by email, with the reference “Master Scholarship – 5295” to:

Prof. Maria Teresa Folgôa Batista

IIFA - Institute for Research and Advanced Training of the University of Évora

email: mtfb@uevora.pt