

NOTICE

**Recruitment procedure for a Research Fellow under the RESEARCH PROJECT
UNIDCOM/IADE, Research Unit in Design and Communication - REF. FCT:
UIDB/00711/2020**

Position: Scholarship for an undergraduate enrolled in part-time Master's

Reference: MATSKI_Living Lab for Blue Circular PostBranding Project

Generic scientific area: Arts

Specific scientific area: Design and Architecture

Areas of expertise: Service Design, Process Analysis and Modeling, Informatics,
Mechatronics.

Announcement Summary: Competition is now open for the award of two Research Scholarships to master's students, with part-time dedication, under the project *MATSKI_Living Lab for Blue Circular Post-Branding*, funded by national funds through FCT/MCTES (PIDDAC) associated with UNIDCOM/IADE's strategic plan, with the reference UIDB/00711/2020.

Admissibility requirements: Candidates with an undergraduate degree and applied knowledge/experience in qualitative and quantitative data analysis. Good English writing skills will be valued. Enrollment in a master's degree in the Design or Computer Science area is a preferred condition.

Work Plan: The candidates should integrate their research into the project and will collaborate in the activities carried out by it, namely:

Task 1 - Field Research: Comprehensive (descriptive) survey, accounting and statistical analysis of existing resources for agricultural, forestry, livestock and agri-food production in NUTS III – Northern Zone of the Metropolitan Area of Lisbon, which comprises the

municipalities of Amadora, Cascais, Lisbon, Loures, Mafra, Odivelas, Oeiras, Sintra and Vila Franca de Xira and, in particular, in the "Saloia" region, which extends north and along the coastal strip west of Lisbon, from Mafra to Loures and Sintra. Objective: to prepare a study on the Chain of Custody (CdC) applied to the creation of economies of scale and sustainability of the circular economy in the agricultural sector. Challenge: the problem of plastics in the farm sector - service design vectors and product design.

Task 2 - User Research: Investigate how to integrate the agricultural, forestry, livestock and agri-food sectors into the circular economy circuit. Analyze what are the determinants for the viability of the process and sustainability of a dynamic business model (e.g., *Business Model*). Writing and submission of the 1st scientific article (*short-paper format*).

Task 3 - Conceptual Framework: To develop a conceptual model for the collection of plastics that allows economies of scale, establishing synergies integrated with *the Blue Circular Post-Branding (BCPB) project*, in order to integrate the knowledge (*know-how*) learned on services for the collection, routing and transforming of marine litter (e.g. nets, fisheries and undifferentiated plastic). To present a study on procedures and good practices for the collection of end-of-life plastics and the delivery of these materials to the manufacturing industry; identify who are the players in the manufacturing industry. To design scenarios for the application of transformed raw materials in other industries (e.g., construction, pavements, packaging) or in the agri-food industry itself (e.g., agricultural greenhouses or irrigation systems).

Task 4 - Data Analysis and Conclusion: Processing and analysis of data obtained in previous tasks. Design of a solution to reduce costs (i.e., economies of scale) for the producer (i.e., farmer) through vectors of sustainability of the dynamics of the circular economy. Writing and submission of the 2nd scientific article (*full-paper format*).

Task 5 - Dissemination: Communicate the results and conclusions obtained to the technical and scientific community, as well as to the general public. Writing and submission of the 3rd scientific article (*full-paper format*).

Applicable legislation and regulations: Law No. 40/2004, of August 18 (Statute of the Scientific Research Fellow), in the wording given to it by Decree-Law No. 123/2019, of August 28; FCT Research Scholarship Regulation, available in <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>

Workplace: The work will be carried out at UNIDCOM/IADE and its laboratories at the European University, as well as at the Ericeira Business Factory. The activities will be developed under the scientific guidance of professors Gabriel Pestana and Carlos Guilherme Vieira Alves Rosa, with the collaboration of professors Isabel Farinha and Carlos A. M. Duarte.

Duration of the scholarship(s): The scholarship shall last for 6 months, on a part-time schedule, to be started on December 1, 2022. Following the procedure for the allocation of the candidates, if the final, duly approved, ordination list contains a number of approved candidates exceeding the two places to be occupied, an internal recruitment reserve can always be constituted, which shall be used within a maximum period of 18 months from the date of approval of the final ordination list.

Monthly maintenance allowance amount: The amount paid by the scholarship corresponds to the remuneration allotted to the time of dedication (50%) 437.99€, paid monthly and by bank transfer, according to the table of values of the scholarships awarded directly by FCT, I.P. in the country (<http://www.fct.pt/apoios/bolsas/valores>). If the applicant chooses to be so, to this amount is added to the voluntary social insurance.

Selection methods: The selection of candidates will be made based on curriculum evaluation (AC, 80%) and interview (E, 20%), considering the Admission Requirements stipulated in the notice. In view of the objectives and specific nature of the research work to be carried out, the following parameters, valued on a scale from 0 (zero) to 20 (twenty), will be considered. The criteria for the evaluation and serialization of the candidates in the AC are as follows:

a) **Academic Qualifications (HA):** degree classification and classification on the subjects related to the activities to be developed (Human-Centered Design) attended under the bachelor's degree or the curricular part of the master's degree - 50%.

b) **Experience (E):** Research experience - 20%.

c) **Preferred Factors (PF):** Registration in a master's degree in Design or Computer Science, availability for travel in Portugal, and in particular, in the Lisbon area, willingness to conduct research on the themes of the project, and recommendation letter(s) - 10%.

d) **Interview:** - E: 20%

Composition of the Selection Committee:

- President: Dr. Maria Emília Capucho Duarte, Associate Professor, IADE, European University
- 1st Effective Member: Dr. Carlos Guilherme Vieira Alves Rosa, Assistant Professor, IADE, European University
- 2nd Effective Member: Dr Gabriel Pestana, Assistant Professor, IADE, European University
- Alternate member: Dr Rodrigo Hernández-Ramírez, Auxiliary Professor, IADE, European University

Application deadline and applications submission form: Applications must be sent by e-mail to europeia-id@universidadeeuropeia.pt, by September 15, 2022, indicating in the subject: "BI1-MATSKI_LL", accompanied by the following documents:

1. Curriculum Vitae, detailed and signed;
2. Bachelor's Degree certificate;
3. Portfolio;

In the case of academic degrees obtained in foreign higher education institutions, it is necessary to present the recognition of the degrees obtained, according to DL No. 66/2018, of August 16; or, in the absence of recognition at the time of application, declaration under commitment of honour that it will make this recognition before the contract's signing.

Nevertheless, it is mandatory to present the said recognition until the moment of actual signing.

Form of publicization/notification of results: The final results of the evaluation will be published and communicated by e-mail to all candidates, in accordance with Article 12 of the FCT Research Scholarship Regulation, I.P. The minutes of the selection process will be made available for public consultation.

After the provisional list of the results of the evaluation has been made, the candidates have a period of 10 working days to comment, and request, if wanted, a prior hearing of all interested parties, in accordance with Articles 121 and following in the Code of Administrative Procedure. Where none of the applicants meets the criteria and/or needs of the research project concerned, the host institution reserves the right not to enter into a contract with any of the applicants.

Number of vacancies: 2

IADE - European University Av. D. Carlos I, 4, 1200649 Lisbon

Type of contract: Fixed-term scholarship contract

Country: Portugal

Location: Lisbon

Host institution: UNIDCOM/IADE European University

Application deadline: September 15, 2022

Contact institution: UNIDCOM/IADE, Design and Communication Research Unit

Address: Av. D. Carlos I, 4 Lisboa 1200649 Portugal

Email: Unidcom@iade.pt

Website: <https://www.unidcom-iade.pt/>