

(BL234/2025-IST-ID)

Research Studentships (for PhD students)

Applications are open for one (1) Research Studentship, within the framework of project EAPA_0122/2024 - TRAP – Transforming Rivers by Reducing Aquatic Plastic Pollution (1801P.01598), co-financed by the Interreg Atlantic Area Programme through the European Regional Development Fund, under the following conditions:

Scientific Area: Hydraulics, environment and water resources.

Admission Requirements: a) To hold a Master's degree in Environmental Sciences, Engineering, Physics or a related field; b) To be enrolled at a PhD program (at the studentship start); c) To have a strong background in Fluid Mechanics and Experimental Methods; d) Ability to work both independently and collaboratively in an international, interdisciplinary environment; e) Good communication skills in English.

Workplan: The PhD plan is aimed at developing conceptual descriptions of the interaction of plastic fragments with vegetation in riverine corridors and plastic trapping in built or natural morphological structures such as lateral embayments or bars. The expected workplan includes: - exploring and designing nature-based interventions inspired by natural hydromorphological features and ecological processes; - participating in the process of co-designing interventions with local communities and authorities; - conducting controlled laboratory experiments to test the efficiency of selected NBS configurations under varying hydraulic and environmental conditions; - performing field trials in real-world riverine and estuarine settings in collaboration with project partners; - analysing performance, cost-effectiveness, and ecological impacts to provide recommendations for large-scale implementation; - collaborating in the elaboration of guidelines to support a decision-support framework for determining the most appropriate NbS configurations based on river morphology, hydrological characteristics, and land-use context; - publishing results in peer-reviewed journals and present at international conferences; - contributing to project reports and collaborate within a multidisciplinary international research team.

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; IST-ID Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos/documentos/recursos-humanos/bolseiros/#1690453819726-6707f7f2-ce04>

Workplace: The work will be developed at CERIS of IST-ID, under the scientific supervision of Doctor Ana Margarida Ricardo and Professor Ana Galvão.

Duration: The research fellowship will have the duration of 12 months. It's expected to begin in November 2025, and may be renewed up to the project end date.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is € 1309.64, being the payment method an option of the Fellow by Wire Transfer.

Selection methods: The selection methods will be the following: i) Curriculum evaluation (60%); ii) previous experience in Fluid Mechanics and Experimental Methods (40%). In the event of a tie in the final ranking, an interview will be conducted with the candidates in equal position.

Composition of the selection Jury: Doctor Ana Margarida Ricardo, Professor Ana Galvão, Professor Rui Ferreira.

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision, or an appeal to the Executive Board of IST-ID, within 15 working days counted from the respective notification.

Application deadline and formalization: The call is open from October 27 until November 10, 2025



It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>); ii) *Curriculum Vitae*; iii) academic degree certificate; iv) motivation letter.

Applications must be submitted to the email: ana.ricardo@tecnico.ulisboa.pt

Interreg
Atlantic Area



**Co-funded by
the European Union**