

## Research Studentships (PhD students)

Applications are open for 1 Research Studentship, within the framework of project "ATE - Aliança para a Transição Energética", Agenda 56 - Projeto C644914747-00000023, financed by the European and Resilience Plan, under the following conditions:

**Scientific Area:** Energy and Environment

### Admission Requirements:

- a) *To be enrolled at a PhD.*
- b) To have a master's degree in mechanical engineering (area: Energy, Refrigeration and Air Conditioning)
- c) To show experience with urban or building modelling, analysis of building materials or LCA (Life Cycle Analysis), Python or other languages used in modeling and
- d) Ability to work with databases, complex datasets and manipulation of large volumes of information.
- e) Knowledge of GIS (QGIS, ArcGIS or Python geopandas).
- f) Experience with LCA tools (OneClick, SimaPro, OpenLCA) or embodied carbon databases.

**Workplan:** developing a dashboard of embodied emissions for buildings by defining the scope, indicators, and data sources, including life-cycle stages (A1–A5, B, C) and material quantities from BIM models, bills of quantities, or LCA databases. The next phase involves building a data pipeline to collect, standardize, and calculate embodied carbon using emission factors from recognized databases (e.g., EPDs or national LCA datasets).

**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 Regulation of Scientific Research Fellowships, available on [https://drh.tecnico.ulisboa.pt/files/sites/45/despacho\\_8532\\_regulamento\\_bolsas.pdf](https://drh.tecnico.ulisboa.pt/files/sites/45/despacho_8532_regulamento_bolsas.pdf)

**Workplace:** The work will be developed at IN+, Center for Innovation, Technology and Policy Research of IST-ID, under the scientific supervision of Professor Patrícia Baptista

**Duration:** The research fellowship will have the duration of 3 months. It's expected to begin in April/2026, and it is not renewable.

**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/Check.

**Selection methods:** The selection methods will be the following: *Curriculum evaluation, with the respective assessment of curricular excellence (40%) and relevant experience for the project (40%). The best-ranked candidates in the curriculum evaluation will be invited to an individual interview, knowledge tests, others), with the respective weight of 20%.*

**Composition of the selection Jury:** Prof. Paulo Manuel Cadete Ferrão, Prof. Ricardo Manuel Anacleto Gomes and Prof. Patrícia de Carvalho Baptista.

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

**Deadlines and procedures of complaint and appeal.** After notification of the provisional list of evaluation results, candidates have a period of 10 working days to, if they wish, make a statement at a preliminary hearing of interested parties, in accordance with Articles 121 et seq. of the Code of Administrative Procedure. The final decision will be made after analyzing the statements presented at the preliminary hearing of interested parties. The final decision may be appealed to the competition jury or to the President of IST-ID within 15 working days of notification

**Application deadline and formalization:** The call is open from March 18 until March 31, 2026.

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, where applicable; iv) proof of enrollment at an academic degree course (PhD); v) motivation letter.

Applications must be submitted to the email: [jobs@in3.tecnico.ulisboa.pt](mailto:jobs@in3.tecnico.ulisboa.pt)