

(BL34/2020_IST-ID)

Research Studentships for PhD students

Applications are open for 1 Research Studentship for PhD students, within the framework of project/R&D institution InTheMED - Innovative and Sustainable Groundwater Management in the Mediterranean project, reference 1009], financed by international funds through Partnership for Research and Innovation in the Mediterranean Area Programme (PRIMA) and EU Horizon 2020 – the Framework Programme for Research and Innovation (2014-2020), under the following conditions:

Scientific Area: Geophysics, geostatistics, spatial data analytics

Admission Requirements: Master's degree in Geophysics, or related disciplines, preferably on petroleum engineering, mining engineering or geology. Compulsory deep skills on any scientific programming language. (e.g. Python, Matlab). Availability to work in an interdisciplinary environment. Programming skills in C++ is highly valuable. To be enrolled at a PhD in Instituto Superior Técnico.

Workplan: The 3-years InTheMED project aims at the development and implementation of new geophysical inverse modelling tools for sustainable groundwater management. These tools will be based on geostatistical and spatial data science methods. The methods to be developed will be applied to at least a real case study in the South of Portugal. It is expected a large interaction with the remaining partners around the Mediterranean region.

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; FCT Regulation for Research Studentships and Fellowships, available on <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf>.

Workplace: The work will be developed at CERENA of Instituto Superior Técnico, under the scientific supervision of Leonardo Azevedo

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in July 2020, and may be eventually renewed up to the maximum of 36 months.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is € 1.064,00, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: Curriculum evaluation and individual interview weight 50% each component. Only the best three candidates based on the curriculum evaluation will be interviewed.

Composition of the selection Jury: Leonardo Pereira, Amílcar Soares e Maria João Pereira

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

Application deadline and formalization: The call is open from May 26 until June 19, 2020

It is mandatory to formalize applications with the submission of the following documents: i) ID B1 Form – Fellowship application (www.ist-id.pt); 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: leonardo.azevedo@tecnico.ulisboa.pt