

One Research Fellowship (for students of a course that does not award an academic degree)

Applications are open for one Research Fellowship, within the framework of project SILVANUS (Integrated Technological and Information Platform for Wildfire Management), with reference 101037247, funded by the European Union through the Horizon 2020 programme, under the following conditions:

Scientific Area: Environmental Sciences and Environmental Engineering.

Admission Requirements:

- To hold a Master's degree in Environmental Sciences, Data Science, Geographic Information Systems or related scientific areas and be enrolled in a course that does not award an academic degree integrated in the educational project of a higher education institution, developed in association or cooperation with one or more R&D units;
 - Preference is given to candidates with experience in programming, data analysis and the use of geographic information systems.
- Not to exceed, with this contract, an accumulated period of two years in this type of fellowship (continuously or with interruptions).

Workplan: Development of monitoring products based on remote sensing data, using machine learning and statistical modelling, to support and inform landscape management and fire risk prevention actions. Support to the writing of scientific papers. Possibility to continue the work program within the scope of a PhD project.

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> and <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed in the MARETEC - ACAE/DEM Research Unit of Instituto Superior Técnico, under the scientific supervision of Doctor Vânia Proença.

Duration: The fellowship will have a duration of 12 months and is expected to start in June 2022. The fellowship is not renewable (although it is possible to continue the work program within the scope of a PhD project).

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 1,144.64 €, being the payment method an option of the Fellow (Wire Transfer or Cheque). The fellowship holder will be reimbursed for his/her payment of Voluntary Social Security (up to the amount corresponding to the 1st step).

Selection methods: The selection methods will be the following:

- 1) Curricular evaluation: 70%, in which 40% will be attributed to the classification in the Master's degree and to the experience in remote sensing/machine learning/statistical modelling (the experience in the application of these techniques to natural and semi-natural ecosystems will be appreciated) (score from 1 to 20); 20% will be attributed to the experience in programming and modelling (score from 1 to 20); 10% will be attributed to the experience in the preparation and publication of scientific papers in international journals (score from 1 to 20);
- 2) Possible individual interview (only in case of a tie between the best evaluated candidates): 30% (score 1 to 20). If there are no candidates with a score above 60% in Method 1, no candidate will be selected.

IST-ID

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para a Investigação e Desenvolvimento

Composition of the selection Jury: Chairman: Doctor Vânia Andreia Malheiro Proença; Voting Members: Professor Tiago Morais Delgado Domingos and Doctor Ricardo Filipe de Melo Teixeira; Substitute member: Professor Tânia Alexandra dos Santos Costa e Sousa.

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

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision within 15 working days, or an appeal to the Executive Board of IST-ID within 30 working days, both counted from the respective notification

Application deadline and formalization: The call is open from May 31st to June 19th 2022.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/concursos/bolsas/>); ii) *Curriculum Vitae*; iii) academic degree certificate; iv) proof of enrollment at a course that does not award an academic degree (only necessary for signing the fellowship contract); v) motivation letter; vi) Declaration on honor that the applicant does not exceed, with this contract, an accumulated period of two years in this type of fellowship (continuously or with interruptions).

Applications must be submitted to the e-mail nuno.sarmiento@tecnico.ulisboa.pt