

## CALL FOR GRANT APPLICATIONS

(AE2026-0073)

INESC TEC is now accepting grant applications to award 1 Research Initiation Grant (BII) within the scope of the Multiannual Funding of R&D Units 2025-2029, with the reference UID/50014/2025, Funded by national funds through the Portuguese Foundation for Science and Technology (FCT), I.P.

### 1. GRANT DESCRIPTION

**Type of grant:** Research Initiation Grant (BII)

**General scientific area:** COMPUTER SCIENCE

**Scientific subarea:** Informatics

**Area of Work:** Computer Science

**Grant duration:** 6 months, starting on 2026-04-22, with the possibility of being renewed for a maximum term of one year.

**Scientific advisor:** Carlos Eduardo Duarte

**Workplace:** INESC TEC, Porto, Portugal

**Maintenance stipend:** € 651.12, [according to the table of monthly maintenance stipend for FCT grants](#), paid via bank transfer. Grant holders may be awarded potential supplements, according to a quarterly evaluation process (Articles 19, 21 and 22 of the [Regulations for Grants of INESC TEC](#) and Annex II), up to a maximum limit of 50% of the monthly maintenance stipend.

INESC TEC supports costs with registration, enrolment or tuition fees, during the grant duration, under the terms established in the internal document: [Payment of Tuition fees to grant holders](#).

The grant holder will benefit from health insurance, supported by INESC TEC.

### 2. OBJECTIVES:

- Review of the state of the art in data space architectures and federated data and service infrastructures, with particular focus on the principles, services, and components of the Gaia-X Trust Framework architecture for secure, interoperable, and sovereign data sharing;
- Identification and analysis of technologies and specifications relevant to integrating the Gaia-X Trust Framework architecture into existing data spaces, such as federated identity mechanisms, data catalogs, data usage policies, and services;
- Design and implementation of integration mechanisms between existing data space infrastructures and components of the Gaia-X ecosystem, aiming to reinforce interoperability, governance, and trust in data sharing;
- Development and demonstration of an experimental prototype in a laboratory environment, including its validation through usage scenarios;
- Production of technical documentation and scientific contributions related to the results obtained in the project

### 3. BRIEF PRESENTATION OF THE WORK PROGRAMME AND TRAINING:

This work will begin with a study of the principles, architecture, and federated services of the Gaia-X initiative, with the aim of understanding the mechanisms that ensure data sovereignty, interoperability, and trust in data-sharing infrastructures. Relevant specifications and components of the Gaia-X Trust Framework ecosystem will be analyzed, as well as the technologies required for its adoption in existing infrastructures. The issues to be addressed include the architectural definition of mechanisms enabling the integration of Gaia-X services and principles into existing data spaces, strengthening aspects of governance, discovery, and controlled data sharing. Experimental studies will be conducted to evaluate the proposed solutions. A prototype will be developed in a laboratory environment and integrated into the existing infrastructure, demonstrating the application of Gaia-X concepts and services.

#### 4. REQUIRED PROFILE:

##### Admission requirements:

Master student in Informatics Engineering or similar.

The awarding of the fellowship is dependent on the applicants' enrolment in study cycle or non-award courses of Higher Education Institutions.

##### Preference factors:

- Experience with API usage, integration, and development;
- Experience with Linux, Docker, and MongoDB technologies;
- Experience with cloud technologies and deployment of solutions in on-premise infrastructures;
- Demonstrated experience in a professional context.

##### Minimum requirements:

- Software development experience using JavaScript (ReactJS, NodeJS) and Java;
- Knowledge of Software Engineering;
- Knowledge of Computer Networks;
- Knowledge of Distributed Systems.

#### 5. EVALUATION OF APPLICATIONS AND SELECTION PROCESS:

**Selection criteria and corresponding valuation:** the first phase comprises the Academic Evaluation (AC), based on the criteria referred to in Article 12 of the [Regulations for Grants of INESC TEC](#), while the second phase comprehends the Individual Interview (EI). All factors are evaluated on a scale of 0 to 100, taking into account the applicants' merit, suitability and conformity with the preference factors.

The weight of the AC factors are as follows: Academic Qualifications (FA, 50%), Scientific Publications (PC, 0%), Experience (EX, 30%) and Motivation Letter (CM, 20%).

Candidates who score less than 50 points in the AC average will be considered excluded on absolute merit. The top five candidates approved on absolute merit will be qualified for the individual interview. The Final Grade (CF) is obtained by the weighted average of AC (70%) and EI (30%).

##### DISABILITY INCENTIVE

Candidates who present a degree of disability equal to or greater than 90% will benefit from an incentive (20) in the score of the CV Assessment.

Candidates who present a degree of disability equal to or greater than 60% and less than 90% will also benefit from an incentive (10) in the score of the CV Assessment.

Said score may, in these cases, exceed 100 points.

Candidates must demonstrate the degree of disability during the application, namely through the submission of the Multi-Purpose Medical Certificate of Disability, issued in accordance with Decree-Law no. 202/96, of October 23 currently in effect.

Candidates must declare, in the application form, the type of disability used throughout the selection process, in order to proceed with the required adaptations.

**The Selection Jury is composed of the following members:**

President of the Jury: Hugo Paredes  
Full member: Filipe Figueiredo Correia  
Full member: Artur Rocha  
Substitute member: Ademar Aguiar

**Release of results and prior hearing:** the results of the selection process, as well as the terms and procedures for prior hearing, will be released to the applicants by email, under the terms referred to in Article 13 of the Regulations for Studentships and Fellowships of INESC TEC.

**6. FORMALISATION OF APPLICATIONS:**

**Application Documents:**

1. Motivation letter;
2. Curriculum Vitae (must include the list of previous fellowships, their type, beginning and end dates, funding entities and host institutions);
3. Certificate or diploma degree;
4. Proof of enrollment in a degree awarding study cycle or in a non degree awarding Higher Education program.
  - The proof of enrollment may be presented just during the grant hiring stage.
5. Signed declaration stating not having benefited from any other research fellowship (Article 5, no. 5)
6. Documental evidence to support the country of residence, residence permit or other legally equivalent document, in cases where the applicant is a foreigner or non-resident in Portugal - valid until the beginning of the grant.
7. Other supporting documents relevant to the final assessment.

Failure to deliver the required documents within the 90-day period after the date of the notice of the conditional awarding of the grant implies its cancellation.

**Application period:** From 2026-03-19 to 2026-04-01

**Submission of applications:** the application will be formalised by submitting the form available in the *Work With Us* section of INESC TEC website.

**7. BINDING LEGISLATION AND REGULATION**

The hiring process shall comply with the current legislation regarding the Research Grant Holder Statute, approved by Law no. 40/2004 of August 18, in its current wording, as well as by the [Regulations for Grants of INESC TEC](#) and for [FCT Grants Regulation in force](#).

For more information, please check the [Regulations for Grants of INESC TEC](#) and relevant annexes at [www.inesctec.pt/bolsas](http://www.inesctec.pt/bolsas)

