

2025 Call for Exploratory Research Projects under the Carnegie Mellon Portugal Program

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Carnegie Mellon
Portugal 



Note to All Readers:

This Guide is designed primarily to support peer reviewers in their evaluation process, FCT makes it publicly available to ensure transparency and to help applicants understand how their proposals will be assessed. Applicants are encouraged to familiarize themselves with the evaluation criteria and guidelines described herein.

Version	Status	Section	Page
V2	Updated	Section 3.3 – Criterion C	10

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1. About FCT

FCT (*Fundação para a Ciência e a Tecnologia*) is the Portuguese public agency under the responsibility of the Ministry for Education, Science and Innovation that supports science, technology, and innovation, in all scientific domains.

FCT's mission is to drive the advancement of knowledge in science and technology in Portugal, following high international standards in quality and competitiveness. It aims to foster the dissemination of knowledge, promoting its impact on society and its contribution to the economic growth.

FCT pursues its mission by funding fellowships, studentships and research contracts for scientists, research projects, research centres and infrastructures, through competitive and peer-reviewed calls. FCT secures Portugal's participation in international scientific organisations, fosters the participation of the scientific community in global projects and promotes knowledge transfer between Research and Development (R&D) centres and industry. In close collaboration with international organisations, FCT also coordinates public policy for the Information and Knowledge Society in Portugal and ensures the development of national scientific computing resources.

The outcomes of FCT accomplishments are reflected in the work carried out by individual scientists, research groups and institutions funded by FCT.

2. 2025 Call for Exploratory Research Projects under the Carnegie Mellon Portugal Program

The [2025 Call for Exploratory Research Projects](#) (ERPs) is part of Phase IV (2025–2030) of the [Carnegie Mellon Portugal Program](#) (CMU Portugal), which builds on its legacy of fostering high-impact research and education in Information and Communication Technologies (ICT). This new phase strengthens the strategic partnership between Carnegie Mellon University and Portuguese institutions, aiming to position Portugal as a leading hub for research and innovation focusing on high impact science and leveraging Portugal's position in ICT and ICT related areas.

Leveraging Portugal's strategic geopolitical position in the Euro-Atlantic region, Phase IV of the CMU Portugal aligns with the priorities of the European Union's Horizon Europe framework and addresses global challenges through its research agenda, particular is most actively engaged, with the goal of reinforcing and amplifying the national position and impact with European agendas. Central to this vision is the active promotion of collaboration among Portuguese institutions, Carnegie Mellon University, and industry partners, fostering a dynamic ecosystem that drives the development of solutions with real-world impact. It aims to creating high-quality jobs, and fostering opportunities for the employment of PhD in companies and research institutions. It also advances postgraduate education and research in Portuguese Institutions, with strong emphasis position in ICT and ICT related areas.

The proposals should be high-risk/high-reward and show promise and a strategy for significant future expansion of the project's goals. ERPs are aimed at formulating and launching the basis for longer-term projects, *i.e.*, they will not be required to achieve, within their scope, the fully developed and ambitious results that will be typical of longer-term projects. However, the proposals must be very concrete on the activities and outcomes that the consortium proposes to carry out and achieve within the ERPs scope and clearly link them to its longer-term objectives. The ERPs should value impact, *e.g.*, by building systems that address real-world problems beyond just research papers.

Under this Call, the Program is seeking for proposals in **Information and Communication Technologies (ICT)**, with a broader perspective that goes beyond traditional ICT boundaries. Projects are expected to address ICT in a multidisciplinary context, fostering innovation across sectors and contributing to societal and economic impact.

Projects funded under this call must comply with the following conditions:

- The maximum duration of the grant is **12 months** (extendable for 3 months, if duly justified).
- The maximum funding allocated to Portuguese research institutions per ERP as follows:
 - o **€ 50.000,00** for consortia with a single research institution (individual project);
 - o **€ 70.000,00** for consortia with more than one Portuguese research institution (co-promotion project).

The **beneficiary entities**, that may apply **individually or in co-promotion**, must be a legal non-entrepreneurial entity of the R&I System, namely: higher education institutions, their institutes and R&D units; state or international laboratories with a head office in Portugal; non-profit private institutions primarily dedicated to R&D activity, including Collaborative Laboratories (CoLab) and

Centers for Technology and Innovation (CTI); other non-profit public and private institutions developing or participating in scientific research activities.

The budget allocation is **€ 400.000,00** (four hundred thousand euros) **of national state budget**.

The support to be granted is non-refundable, applying the simplified cost option in the Lump Sum funding scheme. The contribution is paid on presentation of evidence and results demonstrating the effective implementation of the approved project under the contractual terms.

The participating researchers from Carnegie Mellon University will be funded independently by the CMU Portugal Program at Carnegie Mellon University. The CMU Portugal Program will fund the participating CMU research teams' activities at Carnegie Mellon University at a level similar to the Portuguese team.

All proposals, written in English, are submitted online via [myFCT](#) platform (detailed information in Annex I).

The call is ruled by the [FCT Projects Regulations](#), and the [Announcement for Proposal Submissions](#), that outlines the applications' requirements, budget allocation and evaluation criteria. Additionally, FCT has prepared an Application Guide to assist the Principal Investigator (PI) by providing guidance for the preparation and submission of a successful application

The call is open from **23 December 2025 until 10 February 2026 at 5 p.m. (Lisbon time)**.

Each applicant can only submit **one application as PI**.

The inclusion of **one CMU faculty member as a team element is mandatory – CMU Lead Team Member** –, who has to compulsory submit i) a confirmation statement, describing the faculty appointment at CMU of the CMU Lead PI and ii) a completed [2025 CMU Portugal ERP: CMU PI Research Proposal Template](#);

A maximum of up to 4 Core CVs can be presented: for the **PI** and **3 other team members** (researchers considered as more relevant for the project).

Evaluators should **only** use the **PI Narrative CV** and the **Team CV Synopsis** to assess the scientific merit of the team. The synopsis should focus on the **last 5 effective years of scientific activity**.

The CIÊNCIAVITAE CVs should **only be used to verify the information** provided in the previously mentioned sections.

3. Evaluation Criteria

The evaluation of the application will focus on the relevance and quality of following criteria:

- A. Scientific merit (A1) and innovative nature (A2) of the project from an international standpoint and alignment with the goals of Phase IV of the CMU Portugal – **40%**.
- B. Scientific merit of the PI and the research team (B1), including the impact of project execution in developing the PI's career and/or research (B2) – **35%**.
- C. Feasibility of the workplan (including its planning) and the expected indicators (C1), including the project's impact in a real-world problem, as well as the budget adequacy (C2) – **25%**.

3.1 Criterion A (40%)

This criterion aims to assess the scientific merit and innovative nature of the project from an international standpoint and alignment with the goals of Phase IV of the CMU Portugal, considering two sub-criteria:

- A1 – Scientific merit of the project (50%);
- A2 – Innovative nature of the proposal (50%).

A1 – Scientific merit of the project (50%)

This sub-criterion is intended to evaluate the scientific merit of the proposal, considering the following dimensions, in an integrated manner:

- Suitability of the project to the goals of Phase IV of the CMU Portugal*.
- Added Scientific Value of the CMU Partnership.
- Adequacy of the methodology adopted for carrying out the project.
- Expected results and their contribution to scientific and technological knowledge.
- Resulting publications and articles.

* Please refer to the description of Phase IV in Chapter 2

A2 – Innovative nature of the proposal (50%)

The sub-criterion A2 aims to assess the innovative nature of the proposal, considering the following aspects:

- Originality of the project proposed and breakthrough potential beyond the current state-of-the-art (e.g., novel concepts or development between or across disciplines).
- Methodological innovation and replication potential.

General Assessment Guidelines for Criterion A

When evaluating Criterion A, reviewers should consider the following aspects, including but not limited to:

- **Evaluation standards:**

Assess the proposal's scientific merit and innovative character in comparison with global best practices and ensure that the scientific quality is consistent with internationally accepted standards, noting that this does not imply that all projects must demonstrate international impact.

Evaluate the originality of concepts, methodological innovation, and breakthrough potential of the proposed research.

- **Integration with Phase IV of the CMU Portugal:**

When evaluating proposals, reviewers should consider how the proposed research aligns with and contributes to these Phase IV objectives and strategic priorities.

Articulation with priority areas, international collaboration, potential for impact, and the capacity to generate value for Portugal and for the CMU Portugal ecosystem should be duly valued.

Reviewers should also evaluate how the collaboration with CMU contributes to, strengthens, or adds value to the scientific merit of the project.

- **Focus on ambition, originality, and innovation types:**

Assess the originality of the proposed concepts and approaches, rather than viewing them as merely incremental extensions of existing work. Highly ambitious objectives are valued, but they should be grounded in solid scientific rationale and demonstrate genuine breakthrough potential to redefine the state-of-the-art knowledge. Recognize conceptual, methodological, applied, interdisciplinary innovations, and assess replicability of the proposed work.

- **Assess holistic impact:**

Evaluate potential magnitude and scope across knowledge advancement and economic, technological, and societal dimensions. Acknowledge that fundamental research may yield long-term rather than immediate impact.

3.2 Criterion B (35%)

The criterion B evaluates the scientific merit of the Principal Investigator and the research team, analyzing their curricula in an integrated way and valuing the quality of their research achievements, and analyses the relevance of the project execution for the PI's career, through 2 sub-criteria:

- B1 – Scientific merit of the Principal Investigator and the research team (60%);
- B2 – Impact of project execution for PI's career progression and/or research (40%).

The call explicitly encourages recent Ph.D. graduates who are faculty members at Portuguese universities or researchers with appointments in Portuguese research institutions to submit research

proposals. Evaluators should be aware of this emphasis and consider it when assessing the profile of applicants.

B1 – Scientific merit of the Principal Investigator and the research team (60%)

Sub-criterion B1 evaluates the scientific merit of the PI, their contributions to science and society, and the profile of the research team. The evaluation is based on the information provided in the Narrative CV and Team CV synopsis fields, while the CIÊNCIAVITAE CV (written in English) is used solely to verify the details reported in those sections. The assessment is carried out with respect to the following parameters:

- Career profile of the PI (education, key qualifications, professional path and periods of leave from research, such as parental leave, long-term absence due to illness, volunteering, etc.).
- Contributions to the generation of new ideas, tools, methodologies, or knowledge, including publications, key data sets, software, intellectual property (patents, licenses, trademarks, copyrights, novel assays and reagents), conference presentations, research and policy publications, or other scientific or technological achievements.
- Degree of internationalization of the team.
- Abilities and skills to adequately execute the proposed project (team configuration, PI 's qualifications).
- Ability to involve young researchers in training.
- Availability of the team and non-duplication of objectives in relation to other projects underway.
- Degree of success in previous projects in relation to the PI (in the case of young PIs, this requirement must be assessed based on the potential revealed by the PI's curriculum vitae in the absence of prior concrete accomplishments).

B2 – Impact of project execution for PI's career progression and/or research (40%)

The sub-criterion B2 focus on how this grant is timely for the PI and the impact of the proposal their career and/or research path, considering the following:

- The PI's current career stage.
- The PI's current research lines and path, and the degree of novelty regarding other previous challenges addressed by the PI.
- Timeliness and career development potential in areas such as scientific production and dissemination, team and project leadership, engagement of students/young researchers, and the ability to enable future research and to attract funding or other resources.

GENERAL ASSESSMENT GUIDELINES FOR CRITERION B

According to the FCT's commitment to The Agreement on Reforming Research Assessment, as set out by the Coalition for Advancing Research Assessment (CoARA), evaluation panels are

advised not to use metrics as a surrogate measure of the quality of individual outputs and applicant's contributions.

When assessing this criterion, the evaluation panel should consider the following aspects, among others:

- **Focus on quality over quantity:**
Evaluate the relevance, impact, and quality of research outputs rather than counting publications or citations.
- **Value diverse contributions and career paths:**
Acknowledge varied career trajectories, including career breaks, and transitions. Take into account contributions beyond traditional publications (e.g., datasets, software, open science practices, mentoring, public engagement).
- **Assess contextually:**
Consider the career stage, research environment, and available resources when evaluating the PI and team contributions.

3.3 Criterion C (25%)

This criterion is intended to evaluate the feasibility of the project considering the adequacy of its several dimensions, including the proposed objectives, team, resources, and budget to achieve the expected outputs, divided into two sub-criteria:

- C1 – Feasibility of the work plan and the expected indicators, including the project's impact in a real-world problem, (50%);
- C2 – Budget adequacy (50%).

C1 – Feasibility of the workplan and the expected indicators, including the project's impact in a real-world problem (50%)

- Contribution towards promoting and disseminating science and technology.
- Valuation of the potential of the expected indicators (e.g., publications, communications, reports, seminars and conferences organization, patents, etc.).
- Contribution to the body of knowledge and competence of the National Science and Technology System (expected effects and results).
- The potential economic value of the technology (if appropriate), namely in terms of its impact on the competitiveness of the national socio-economic system.
- Production of knowledge that can contribute to benefits to society or to the business sector.
- Potential to lead to a longer-term research agenda.
- Organization of the project in terms of the proposed objectives and resources (duration, equipment, size of the team, institutional and management resources).
- Articulation of the research plan between Portugal and CMU teams.

C2 – Budget adequacy (25%)

- Institutional resources of the proposing and participating entities (technical-scientific, organizational and managerial and, when appropriate, co-funding capacity on the part of companies).
- The adequacy and consistency of the estimated costs (Lump Sum) to accomplish the objectives.

For detailed information related to budget and human resources please consult Annexes II and III.

GENERAL ASSESSMENT GUIDELINES FOR CRITERION C

When evaluating feasibility, assess whether the work plan clearly defines the coordination between Portuguese and CMU teams, with realistic timelines that account for cross-Atlantic collaboration.

Under the Lump Sum model, reviewers should consider the following aspects, without being limited to:

- **Lump Sum model and task structure:**
In the Lump Sum funding model, payments are based on task completion, as evidenced by the deliverables. Ensure that each task is associated with clearly defined, tangible deliverables, appropriately distributed across the project timeline.
- **Budget adequacy and coherence:**
Assess whether the proposed budget is adequate, proportionate, and capable of achieving the project objectives. Cost estimates must be reasonable, justified at the task level, and coherent with the scientific methodology. Check that the budget, work plan, and resource allocation are aligned with project objectives, and that ambitious projects (valued under Criterion A) remain feasible in terms of planning, timelines, and resources. Evaluation panel may recommend adjustments if costs are insufficient or excessive. Note that indirect costs are fixed at 25% of eligible direct costs.

Additional considerations:

- **Assess collaborative institutions appropriately (when applicable):**
Evaluate any collaborative institutions beyond the CMU partnership (e.g., industry partners, other research organizations without FCT funding) regarding their scientific contribution, work plan integration, and collaboration feasibility.
- **Ethics Assessment (when applicable):**
Reviewers must ensure that the applicant has identified and adequately addressed all relevant ethics issues. Highlight any ethics issues that have not been identified or have been inadequately addressed by the applicant. For projects requiring ethics approvals (e.g., ethics committee approvals, animal welfare authorizations, data protection notifications), assess whether the work plan includes realistic timelines for obtaining these approvals, as approval processes often take longer than expected and research cannot commence

without them. Note that supporting documents (informed consent forms, copies of approvals, authorizations) are only required after project approval if requested by FCT.

The **assessment guidelines** for Criteria A, B, and C are **illustrative** and **not exhaustive**. Evaluation panel should exercise their expert judgment and may consider additional relevant aspects appropriate to the specific proposals under review.

4. Scoring System

The scoring system uses a **9-point scale, using 0.1 increments**. The maximum score is 9 and the minimum is 1, as presented in Table I.

The Merit of the Project (MP) is calculated according to the following formula:

$$MP = 0.40 (0.50 A1 + 0.50 A2) + 0.35 (0.60 B1 + 0.40 B2) + 0.25 (0.50 C1 + 0.50 C2)$$

Table I – Qualitative descriptors associated to the 9-point scale

Evaluation	Score	Strengths & Weaknesses
Excellent	9	Exceptionally strong with no weaknesses
Very good	8	Very strong with some negligible weaknesses
	7	Strong with some minor weaknesses
Good	6	Some strengths with numerous minor weaknesses
	5	Some strengths but with at least one moderate weakness
Adequate	4	Few strengths with several minor weaknesses
	3	Few strengths and major weaknesses
Poor	2	Very few strengths and serious weaknesses
	1	Cannot be assessed due to missing or incomplete information

The criteria A, B and C are scored using a 9-point scale system (1 – minimum; 9 – maximum) **with decimal numbers**. The final score of MP is rounded to two- decimal places.

If the information available in the Application does not allow for evaluating a given criterion, then the respective criterion will receive a score of 1.0 (one).

For a proposal to be eligible for funding, a **minimum score of MP equal to or higher than 5.00 (MP ≥ 5.00)** is required.

Eligible applications will be ranked by the evaluation panel **in decreasing order** of the **MP score** obtained during the review process, and this ranking will be used for selection and funding decisions.

As a tiebreaker between applications with the same MP score, the classifications assigned to criteria A2, B1, A1, B2, C1, and C2 will be used successively in descending order to provide the final ranking of the projects.

5. Evaluation Process

5.1 Constitution of the Evaluation Panel

The evaluation panel consist of experts affiliated with foreign institutions, who are independent and have recognized merit. The panel's composition considers the number and the scientific subjects of the applications, ensuring an adequate gender balance and a fair geographic and institutional distribution of evaluators.

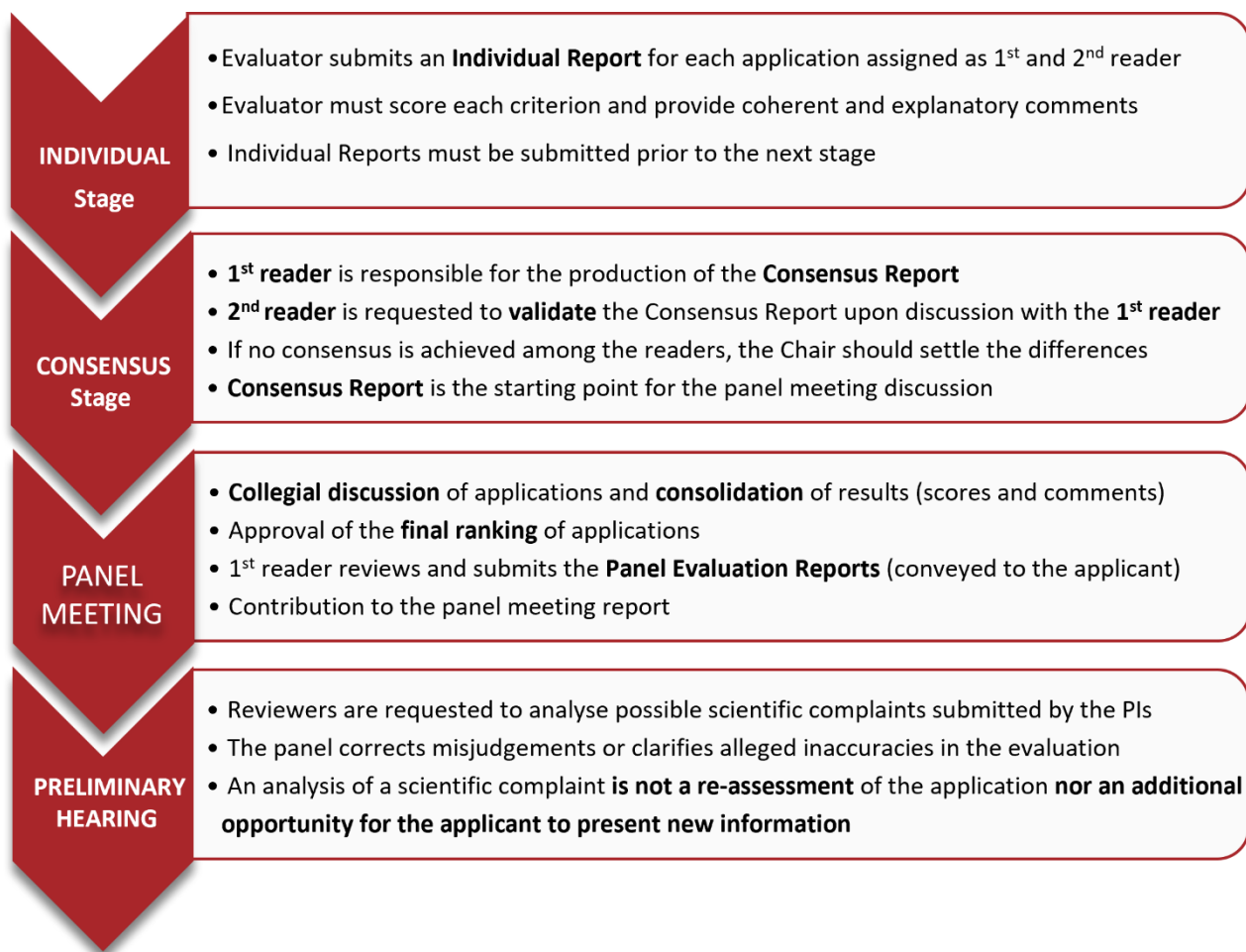
The panel has a **Chair** who is **responsible for the following tasks:**

- Ensure that the evaluation process is conducted transparently, independently and fairly.
- Assign each application to two panel members (1st and 2nd readers), considering the **match of scientific expertise** within the research subject of the application, as well as any declared **Conflict of Interest (Col)**.
- Ensure the evaluation process adheres to the defined timeframe and promptly inform panel members of any delays.
- Support the FCT team with the resolution of any Col identified during the evaluation process.
- If needed, assist FCT with the constitution of the panel by suggesting possible reviewers to be invited.
- Recommend external reviewers to be invited by FCT to assess an application, whenever a specific expertise is not adequately represented within the panel.
- Assure the reviewers' reports quality, particularly for the Consensus and Panel Reports, and alert them whenever needed; comments should be coherent with scores, considering the descriptors of the scoring system (see section 4), provide substantive arguments and identify both strengths and weaknesses for each evaluation (sub)criterion.
- Moderate the Panel Meeting.
- Prepare the panel meeting report that should address work methodology, conflicts of interest and final ranking.
- Coordinate the support provided to FCT and panel members during the preliminary hearings period, if necessary.

Depending on the size of the panel and on the breadth of scientific subjects involved, a Co-Chair may be appointed to assist the panel Chair.

5.2 Evaluation Stages

The evaluation process comprises **4 stages**:



5.3 Evaluation Timeline

The evaluation timeline is established by FCT's Board of Directors and conveyed to the evaluation panel Chair and members. The date of the final videoconference panel meeting of the panel is established in advance by FCT.

5.4 Feedback to be communicated to applicants

All reviewers must comply with the following additional guidelines when preparing the evaluation reports.

Each report must include:

- Score and comments for each evaluation criterion, including strengths and weaknesses.

- A **detailed assessment of the proposed lump sum budget**, verifying that the estimated costs are adequate, reasonable, and strictly aligned with the activities and deliverables described in the work plan tasks. Any suggested budgetary adjustments must be rigorously justified
- A comment concerning ethical issues, if applicable.
- Confidential comments to the evaluation panel and/or FCT, if necessary.

Comments must:

- Be **coherent with the scores** considering the descriptors presented in Table I (section 4).
- Be clear and consistent, highlighting the strengths and weaknesses of the application for each criterion.
- Use dispassionate and analytical language, avoiding dismissive statements about the applicant, the proposed science, or the scientific field.
- Be impeccably polite.
- Address the proposed work plan and not the work the reviewers consider should have been planned.

Comments must not:

- Provide a description or a summary of the application.
- Use of the **first person or equivalent**: "*I think...*" or "*This reviewer finds...*"; alternatively, panel members are advised to use expressions such as "**The panel ...**" or "It is considered...".
- **Ask questions**, as the applicant will not be able to answer them.
- Provide recommendations or advice for improving the application.
- Have contradicting statements.
- **Mention quantitative details** that can easily originate factual mistakes.

The quality of the comments provided to applicants is of paramount importance to the evaluation process, therefore being a crucial task of the evaluation panel.

6. Confidentiality and Conflict of Interest

6.1 Confidentiality Statement

The privacy and confidentiality of applications must be fully protected and always ensured during the evaluation process. All reviewers involved in the evaluation are asked to be bound to the Terms of Reference.

Within the context of this call, a set of personal data is collected, and relevant information is provided to the data supplier to ensure compliance with the principles established in Regulation EU 2016/679 of the European Parliament and of the Council, of April 27, 2016 (GDPR) and the 58/2019 Law from August 8, in the Application Guide. For more detailed information, please consult the **Data Protection** document in the [call's webpage](#).

6.2 Disqualifying Conflict of Interest (Col)

6.2.1. With the present Call

Researchers are **hindered to participate as Chair, Co-Chair, Panel member or External Reviewer** if they:

- i. Have **submitted** any application as PI, Co-PI, team member or consultant.
- ii. Have **first-degree relationships, domestic partnership or are married with a PI, Co-PI, team member or consultant** of an application.

6.2.2. With an application

Panel members cannot evaluate nor participate in the panel discussion of an application in the following circumstances:

- i. Personal or financial interest in the application's success.
- ii. Current or planned close scientific cooperation.
- iii. Research cooperation within the last three years before the opening date of the call, e.g., joint publications.
- iv. Dependent employment relationship or supervisory relationship (e.g., supervisor-student relationship up to and including the postdoctoral stage) within the three years before the opening date of the call.
- v. Affiliation or pending transfer to any of the departments or research centres involved in the project.
- vi. Researchers who are active in a council or similar supervisory or advisory board of the applying institutions are excluded from participating in the review and decision-making process for applications involving these institutions.

6.3 Potential Conflict of Interest (Col)

The panel member should notify FCT and clarify if they are able to perform an unbiased evaluation or if the conflict should rather be considered as disqualifying. A potential conflict of interest exists in the following circumstances:

- i. Relationships other than first-degree, marriage or domestic partnership; other personal ties or conflicts.
- ii. Participation in university bodies other than those listed under no. 6.2.2 - vi., e.g., in scientific advisory committees in the research environment.
- iii. Preparation of an application or implementation of a project with a closely related research topic (competition).
- iv. Participating in an on-going scientific or inter-personal conflict with the applicant(s).

If a conflict of interest is identified during the evaluation process, the reviewer must promptly inform the panel Chair and the FCT team of this situation to facilitate the swift reassignment of the application. Depending on the nature of the conflict, this information will be included in the panel meeting report.

Annex I – Components of the Application

Applications must be fully written in English and submitted through the [myFCT](#) Platform.

Multiple applications of the same project are not allowed. New applications grounded on a previous project should contain substantial modification and update.

1. GENERAL DATA

1.1 Project description

- Project title (PT/EN) (**max. 255 characters**)
- Project acronym (**max. 15 characters**)
- Keywords (PT/EN) (**max. 4 keywords**)
- Main scientific area (Scientific domain / Scientific area / Scientific subarea)
- Timetable (start date and duration)

2. INSTITUTIONS

2.1 Principal contractor

- Institution
- Research unit – maximum 3
- Institution description and its competencies for the development of the project (**max. 1500 characters**)

2.2 Participating institutions (only for Co-promotion projects)

- Institution
- Research unit – maximum 3
- Institution description and its competencies for the development of the project (**max. 1500 characters**)

2.3 Collaborative Institutions

- Country
- Institution
- Institution description and its competencies for the development of the project (**max. 1500 characters**)

3. RESEARCH TEAM

3.1 Principal Investigator

- Institution to which you are associated in the scope of the research project
- PhD completion date
- CIÊNCIAVITAE CV permissions and upload

3.2 PI narrative CV

- Career profile (**max. 4000 characters**)
- Contributions to Science and Society:
 - Contributions to the generation of new ideas, tools, methodologies or knowledge (**max. 5000 characters**)
 - Contributions to the development of individuals and/or research teams (**max. 3000 characters**)

- Contributions to the research community and the broader society (**max. 3000 characters**)
- Further details on selected scientific outputs and/or activities (**max. 5000 characters**)
- Why would this grant be timely for me at this point in my career path and/or in my research? (**max. 3000 characters**)

3.3 Members

- Email
- Institution to which you are associated in the scope of the research project

3.4 Hirings

- Type
- Institution to which you are associated in the scope of the research project

3.5 Consultant

- Email
- Framework of consultant's participation (**max. 1000 characters**)

3.6 Team CV synopsis

- Research team CV synopsis (**max. 10000 characters**)

4. WORK PLAN

4.1 Abstract

- Abstract in Portuguese (**max. 5000 characters**)
- Abstract in English (**max. 5000 characters**)
- Abstract for publication different? (**max. 5000 characters**)

4.2 State of the art and Objectives

- State of the art and objectives (**max. 6000 characters**)

4.3 Research plan and methods

- Research plan and methods (**max. 10000 characters**)

4.4 Bibliographic references

- Bibliographic references (**max. 10000 characters**)

4.5 Past publications

- Order
- Publication (**max. 600 characters**)
- URL

4.6 Tasks

- Task denomination (**max. 150 characters**)
- Task description and expected results (**max. 4000 characters**)
- Assigned to
- Person*month
- Start date
- Duration (months)
- Budgets:
 - Task costs
 - Cost justification of the task (**max. 2500 characters**)

4.7 Project timeline and management

- Deliverables List (add deliverable)
 - Deliverable
 - Deliverable description (**max. 800 characters**)
 - Tasks
- Milestones List (add milestone)
 - Denomination
 - Milestone description (**max. 300 characters**)
 - Tasks
 - Date
- Timeline
- Management
 - Description of the management structure (**max. 3000 characters**)

4.8 Ethical issues

- Are there Ethics Issues identified in this project?
- Select the ethical declarations you consider appropriate (if applicable)
- Justification (if applicable) (**max. 3000 characters**)

4.9 2030 Agenda

- Framework of the application for the United Nations SDG 2030 Agenda (**max. 3 SDG**)

4.10 Other projects

- Add project
 - Project reference
 - Project status
 - Project title (in English)
 - Principal contractor
 - Funding
 - Funding entity
 - Total funding
 - Timetable
 - Start date
 - Duration (months)
 - Relation with the current proposal
 - State the main objectives considered relevant for the application being submitted to the present R&D Projects Call (**max. 2000 characters**)

4.11 Attachments

- Documents upload (if applicable)
- Mandatory attachments files
 - Confirmation statement, describing the faculty appointment at CMU of the CMU Lead PI (3MB)
 - File with all required details from the [CMU PI Research Proposal Template](#) (10MB)

4.12 Computing and data

- Advanced computing
 - The work plan requires advanced computer resources to be provided by FCT?
 - Do you have previous experience with High Performance Computing? (if applicable)
 - Refer previously used computational platforms (if applicable, **max. 400 characters**)
 - Which of the following amounts of resources (per year) is suitable for your project? (if applicable)

- Brief justification for the requested computational resources (if applicable, **max. 400 characters**)
- Research data
 - You will be generating or collecting research data in the context of your project?
 - The work plan requires access to a research data repository provided by FCT? (if applicable)

5. INDICATORS

- Expected output indicators
- Dissemination
 - Indicate the dissemination actions of the scientific activity planned in the project (**max. 3000 characters**)

6. BUDGET

6.1 Principal contractor

- Budget (automatic filling)

6.2 Participating institutions

- Budget (automatic filling)

6.3 Funding plan

- Global budget (automatic filling)
- Funding Plan (automatic filling)

7. STATEMENT OF COMMITMENT

8. VALIDATE AND SUBMIT

Annex II – Budget

Budget justification for the requested funding per task (max. 2500characters/task) – the following items are eligible for funding:

a) Direct costs:

i. Human resources rationale:

Expenses with **Human Resources** dedicated or related to the development of R&D activities related to the project execution in all mandatory components by the applicable labour legislation, including charges with grant holders directly supported by the beneficiaries;

- With regard to employment contracts, human resources expenses are based on the costs incurred in carrying out the project, based on the monthly base salary declared for the social protection of the worker, which may be increased by the mandatory social food allowance and occupational accident insurance under legally defined terms. The basic salary shall be the set of all remunerations of a permanent nature subject to taxation and declared for the purpose of social protection of the worker;
- The research fellowships are tendered and contracted by the beneficiary entities in the context of the supported projects, which must comply with the Research Fellowship Holder Statute (Law no. 40/2004 of 18 August, in its present version) and FCT Regulation for Research Studentships and Fellowships.

- ii. **Missions**, expenses with travel, accommodation, registration fees, etc., in Portugal and abroad, and directly attributable to the project.
- iii. **Scientific and technical tools and equipment** (acquisition or amortization) indispensable to the project if used within the project during their useful lifetime.
- iv. **Patent registration**, expenses related to the national and foreign record of **patents, copyrights, usefulness models and drawings, national models or brands** when related to other forms of intellectual protection, namely rates, research to the status of the technique and consulting expenses.
- v. **Demonstration, Promotion and Publication**, expenses with the **demonstration, promotion and disclosure of the project's outputs**, namely dissemination fees within the fulfilment and pursuant to national policies of open access.
- vi. **Adaptation of buildings and facilities**, when essential to the development of the project, namely for environmental and security reasons.
- vii. **Acquisition of other goods and services** directly related to the project's execution, including costs with consultants that do not establish subcontracts.

b) Indirect costs (overheads), with a flat rate of 25% of eligible direct costs, excluding subcontracting. The percentage bound in this item is automatically checked by the submission tool. Applications cannot be locked if this condition is not verified.

For the present Call, the **non-eligible costs** are the ones stated in the art. 9 of the [FCT Projects Regulation](#) in this current version.

Salaries of public servants are not funded under this call.

Annex III – Portuguese to English translation and explanations

Agregação = Aggregation. This is an academic title. It attests:

- i.) the quality of the academic, professional, scientific and pedagogical *curriculum*;
- ii.) the capacity to carry out research supervision;
- iii.) the capability to coordinate and carry out independent research work, issued to PhD holders with a research and academic path, after a public exam by a jury involving discussion of the CV, of a submitted curricular proposal and the presentation and discussion of a lecture.

Doutoramento = PhD, doctoral degree

Mestrado = Master's degree

Licenciatura = BA (3, 4 or 5 years graduate course)

Bolsa = Grant, fellowship

Bolseiro = Grant holder, fellow

BII = Bolsas de Iniciação à Investigação = Research Initiation Grants

- Research Initiation Grants are intended for students enrolled in a Higher Professional Education, a 1st cycle of a Higher Education institution, an Integrated Master or Master to initiate their scientific training, within research projects to be developed in national institutions;
- These grants are also aimed at holders of a graduate degree, enrolled in courses that do not award an academic degree, integrated in an educational project of a higher education institution developed individually or jointly in their institutes or R&D units;
- These grants have a minimum duration of three months and may be renewable up to a maximum of one year.

BI = Bolsas de Investigação = Research Grants

- Research grants are intended for students enrolled in an Integrated Master, Master or Doctoral degree, for obtaining the respective scientific academic degree, through the development of scientific training integrated or not in R&D projects;
- These grants are also aimed at holders of a graduate degree or master, enrolled in courses that do not award an academic degree, integrated in an educational project of a higher education institution developed individually or jointly in their institutes or R&D units;
- These grants are, in principle, one year in length, and cannot be awarded for periods of less than three consecutive months;
- The grants may be renewable for additional periods up to:

- One year, for grants awarded to graduated degree or master holders enrolled in courses that do not award an academic degree;
- Two years, for grants awarded to students enrolled in master's courses;
- Four years, for grants awarded to students enrolled in doctoral degrees;
- These grants may be national, mixed (in Portugal and abroad) or abroad, depending if the work plan occurs exclusively, partially or not at all in national institutions;
- For mixed research grants, the work plan performed in a foreign institution may not exceed 2 years.

BIPD = Bolsas de Investigação Pós-Doutoral = Postdoctoral Research Grants

- Postdoctoral Research Grants are intended for doctoral degree holders for the development of R&D activities;
- BIPDs are temporally restricted in order to stimulate the scientific employment and the use of researcher contracts as a rule instrument for their hiring, as well as to promote the development, in National Scientific and Technological System entities, of careers aiming at scientific research;
- BIPDs may only be granted provided that the following requirements are cumulatively met:
 - The doctoral degree has been obtained in the last three years before the submission date of the application grant;
 - The postdoctoral research is carried out in a host entity different than the one in which the research work was done to achieve the doctoral degree;
 - The research activities do not require post-doctoral experience;
 - The research activities have a development and execution period equal or less than three years.
- These grants are, in principle, one year in length, renewable for up to a total of three years, and cannot be awarded for periods of less than three consecutive months;

Once the contract grant is finished, a new contract grant cannot be settled between the same host entity and the same fellow.



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