



# NOTICE FOR SUBMISSION OF APPLICATIONS FOR THE ADVANCED COMPUTING PROJECTS CALL

**IN ALL SCIENTIFIC DOMAINS**

**5th edition**

Ref.: FCT/CPCA/2024/01



In accordance with the [Regulation for Advanced Computing Projects](#), published under no. 10/2022 in the Diário da República, the allocation of computational resources from the [National Advanced Computing Network \(RNCA\)](#) is carried out following a competitive procedure, the terms of which are disclosed through the website of the [Fundação para a Ciência e a Tecnologia, I. P.](#) (FCT).

This Call for Applications, hereinafter referred to as AAC, was prepared under the provisions of Article 12 of the Regulation for Advanced Computing Projects.

## 1. Objectives e priorities

The consolidation and strengthening of the National Scientific and Technological System (SCTN) are priorities of Portugal's science and technology policy. These priorities aim to contribute to the national and international competitiveness of science and technology, as well as their role in innovation and knowledge transfer. Furthermore, they seek to contribute to the fulfillment of global aspirations defined in the United Nations Sustainable Development Goals (SDGs). In this context, promoting and enhancing the skills of scientific and technological institutions through the participation of their teams in advanced computing projects is of particular importance.

Through the National Advanced Computing Network (RNCA), the FCT seeks to aggregate national advanced computing resources, fostering cooperation among the various involved centers and developing national and international partnerships with other entities.

With these objectives in mind, the FCT launches this call [ADVANCED COMPUTING PROJECTS](#) (CPCA) to technologically support advanced computing projects across all scientific domains.

Keywords: FCT, RNCA, CPCA, Advanced computing, High-performance computing, HPC – High Performance Computing, AI – Artificial Intelligence.

## 2. Nature of beneficiaries

The allocation of computational resources can be made in the form of Individual or Institutional Support, that is, to individuals or institutions, either individually or in co-promotion, as mentioned in Articles 3, 4, and 6 of the Advanced Computing Projects Regulation.

Regarding applications from companies as beneficiaries, advanced computing projects must:

- Occur within the scope of pre-competitive research and innovation, where the goods or services resulting from that research or innovation have not yet been assigned commercial value.

- Not exceed, in total, 50% of the computational resources to be allocated in this call for all applications of this type.

### 3. Computational models and types of projects to be supported

#### 3.1 Computational models

This call aims to allocate computational resources to projects in all scientific and innovation domains, following international technological standards. The following computational models are available:

- **High Performance Computing (HPC)**
- **Computing for Artificial Intelligence (AI)**
- **Scientific Cloud Computing (Cloud)**

##### 3.1.1 High Performance Computing (HPC)

For the purposes of this call, each HPC<sup>1</sup> architecture consists of the following elements:

- A set of compute nodes that operate together and are temporarily dedicated to a single application. Collectively, these nodes can execute at least  $40 \times 10^{12}$  [2] floating-point operations per second, which are highly interdependent, executed on general-purpose, non-specialized microprocessors [3].
- A file system accessible from each compute node with a shared throughput of at least 40 Gbps [4], supporting multiple simultaneous access streams [5] per node.

The compute nodes are typically managed by a batch system such as Slurm or a similar system. HPC systems are generally accessed via SSH to one or more entry nodes, from which jobs can be submitted to the batch system. In the context of this notice, teams with or without prior experience are also allowed to request resources for visualization (e.g., GPUs dedicated to this purpose).

Available platforms: Deucalion, MareNostrum 5, Cirrus.

##### 3.1.2 Computing for Artificial Intelligence (AI)

This model aims to support research and development projects that use artificial intelligence tools and data analysis algorithms in areas such as Natural Language Processing (Natural Language Understanding), Ethical Artificial Intelligence, or other related fields.



Additionally, HPC resources (CPU, GPU, and storage) can be made available to compute and store data, supporting the development, testing, and implementation of various applications in the fields of Artificial Intelligence, Data Science, and Big Data analysis.

Available platforms: Deucalion, MareNostrum 5.

### 3.1.3 Scientific Cloud Computing (Cloud)

In the context of this notice, each Cloud<sup>6</sup> architecture is composed of the following elements:

- a) A set of compute nodes shared by multiple users and applications, provided in a self-service system with maximum resource usage quotas through a virtualization software layer in IaaS (Infrastructure as a Service) cloud computing [7].
- b) The virtual servers (VM – Virtual Machines) provided access virtual disks either through local devices or by mounting a remote file system.

The creation of VMs can be done via a web dashboard, command-line tools, or APIs. The service is based on OpenStack and is designed for scientific data processing in a cloud computing environment. This model allows the user to fully define VMs, including the Linux operating system, hardware, and software configuration, offering great flexibility for setting up and using resources for computational tasks.

Available platforms: Stratus.

## 3.2 Access Types

The call includes four access types, with limits summarized in Table 1:

- **A0 – Experimental Access**
- **A1 – Development Access**
- **A2 – Regular Access**
- **A3 – Larger Scale Access**

Table 1. Summary of access types with duration and limits per application:

<b>Computational Model</b>	HPC, IA, Cloud			HPC, IA
<b>Platforms</b>	Deucalion, Cirrus, Stratus			Deucalion, MareNostrum 5
<b>Duration (months)<sup>a</sup></b>	<b>6</b>	<b>12</b>		
<b>CPU core. hours<sup>b</sup></b>	50.000	100.000	100.000 a 3.000.000	1.000.000 a 30.000.000



<b>vCPU.hours<sup>b</sup></b>			1.200.000	-
<b>GPU. hours<sup>b</sup></b>	730	4.380	8.760	100.000
<b>Quotas<sup>c</sup></b>	<b>5%</b>	<b>15%</b>	<b>80%</b>	

<sup>a</sup> Maximum duration, extendable by an additional 3 months (A0/A1) or 6 months (A2/A3 on Deucalion) in duly justified cases; extensions will not be permitted for A3 projects on MareNostrum 5.

<sup>b</sup> Minimum and maximum limits of computational resources will apply if the temporarily installed capacity at the operational center does not allow for the stated maximum limits. For projects requesting Cloud resources, candidates must consider a maximum limit of 256 GB RAM (memory) and 5 TB of storage per project. The allocation of GPU hours may be lower depending on the number of requests and available capacity at the time of project approval.

<sup>c</sup> Resource quotas are reserved for each access type. If the requested resources do not fill one of these quotas, the remaining portion may be allocated to other access type(s).

### 3.2.1 A0 – Experimental Access

This type of access is recommended for scientific or innovation projects whose team lacks prior experience in advanced computing or does not have a history of using computational resources. It is intended for experimentation, testing, and pilot access to the platforms. Applications for this type of access will be subject to administrative validation and technical adequacy assessment.

### 3.2.2 A1 – Development Access

This type of access is recommended for conducting software performance tests, code optimization, scalability testing, benchmarking, refactoring, and small-scale projects. Applications for this type of access will be subject to administrative validation and technical adequacy assessment.

### 3.2.3 A2 – Regular Access

This type of access is intended for the use of HPC, AI, and/or Cloud resources on the Deucalion, Cirrus, and/or Stratus platforms and is recommended for scientific or innovation projects with a team that has prior experience. To demonstrate the adequate scalability of access requests, the operational teams of the platforms involved in this call may require a prior A0 or A1 access. Applications for this type of access will be subject to administrative validation, scientific merit assessment, and technical adequacy validation.

### 3.2.4 A3 – Larger Scale Access

This type of access is exclusively intended for the use of high volumes of HPC and/or AI resources on the Deucalion or MareNostrum 5 platforms and is recommended for scientific or innovation projects with a team that has prior experience in HPC and/or AI. To demonstrate the adequate scalability of access requests, the operational teams of the platforms involved in this call may require prior access of A0, A1, or A2.



Applications for this type of access will be subject to administrative validation, scientific merit assessment, and technical adequacy validation.

## 4. Form of support

The support granted under this call is exclusively in the form of allocated usage time of advanced computational resources, without providing any funding of any kind or human resources to develop or support software applications.

## 5. Allocation of computational resources

The allocation of computational resources for this call is as stated in Table 2 and its notes, with the possibility for the FCT to enhance the available resources if justified.

The total available capacity is approximately **560 million CPU core hours and 1.6 million GPU hours**.

Table 2. Summary of operational centers and their respective computational platforms available in this call. Detailed information about the hardware and software can be found in the technical sheet for this call.

Platform/Partition	Model	System
<b>Deucalion – ARM partition</b>		1 632 compute nodes, cada node com Fujitsu ARM A64FX
<b>Deucalion – x86 partition</b>		500 compute nodes, cada node com AMD EPYC
<b>Deucalion – GPU partition</b>	HPC and IA	33 compute nodes x86, cada node com 4 GPU Nvidia A100
<b>MN 5 – GPP CPU partition *</b>		6408 compute nodes, each node with 2x Intel Safira Rapids 8480+(112 cores each node) @2 GHz
<b>MN 5 – ACC GPU partition *</b>		1120 compute nodes, each node with 2x Intel Sapphire Rapids 8460Y(64 cores each node) @2,3 GHz and 4 GPUs Nvidia Hopper
<b>Cirrus</b>		CPU type AMD EPYC 7501, each with 500GB-RAM and 64 cores; 8 GPU type Tesla T4, V100, A100
<b>Stratus</b>	Cloud	vCPU in AMD EPYC 7501, each with 500GB-RAM and 64 cores

Notes: The computational allocations by platform are detailed in the call's technical sheet and correspond to the best projection possible at the time of its publication.



MN5 – MareNostrum 5; in addition to the GPP and ACC partitions, MN5 may offer two additional NGT GPP partitions (with Nvidia Grace CPU) and NGT ACC, which are still in the installation/testing phase.

→ For energy efficiency reasons and to balance the computational load between partitions on Deucalion, **all users who choose to use the ARM partition on Deucalion will be rewarded with double the node.hours** allocated to the respective projects.

## 6. Eligibility Criteria

The eligibility conditions for applications are those specified in Article 6 of the Advanced Computing Projects Regulation and those indicated in this Call for Applications (AAC).

### 6.1 Application Eligibility

Applications are accepted either individually or in co-promotion, under the Individual or Institutional Support modalities:

- **To one or more computational models;**
- **To one or more platforms for the same project;**
- **To one or more distinct access types (A0, A1, A2, or A3) – see limits in section 9.**

In the case of applications under access types A2 and A3:

- An eligibility criterion for the HPC computational model is the submission of a scalability graph of the software to be used, obtained from real or estimated data. It is also recommended to present prior experience, particularly in the use of this computational model or in previous advanced computing projects (e.g., in RNCA, PRACE, EuroHPC, etc.).
- Eligibility for the Cloud computational model for commercial and/or profit-oriented entities is limited to the availability of physical computational resources after allocation to non-profit or non-commercial entities and is also subject to any costs indicated in the acceptance term of the computational project.

### 6.2 Eligibility of the Principal Investigator

The Principal Investigator (PI) of the project:

- a) Must update and provide their CienciaVitae, associated with CienciaID, to the FCT at the time of application;
- b) In access types A2 and A3, the Principal Investigator (PI) must identify a co-investigator responsible for the project, referred to as the Co-Principal Investigator (co-PI), who will substitute the PI in their absences, unavailability, and impediments.



## 7. Allocation of Computational Resources

As stipulated in Article 9 of the Advanced Computing Projects Regulation, access to resources will be granted through the use of computational resources from the operational centers. Access to the resources will be provided for a limited period, as indicated in this announcement, specifically in section 3.2.

## 8. Evaluation Criteria

In accordance with Articles 14 and 15 of the Advanced Computing Projects Regulation, all received applications will be evaluated based on the criteria described in sections 8.1 and 8.2, which are detailed in the evaluation guide.

For each batch of applications and type, a ranked list of applications will be generated. If two or more A2/A3 applications receive the same final evaluation after applying the evaluation criteria, tie-breaking criteria will be applied. In the case of A0/A1 applications receiving the same final evaluation after the criteria are applied, preference will be given to the application with the earliest submission date and time. A0 and A1 applications will only undergo a technical adequacy validation conducted by the technical teams operating the computational platforms.

For access types A2 and A3, after gathering the evaluations of the applications, the access committee (as defined by the regulation published in the Official Gazette under No. 1049/2020) will integrate and distribute the computational resources according to the reserved quotas of resources.

### 8.1 Evaluation of Scientific Merit

*Applicable only to A2/A3 Projects*

#### 8.1.1 Fast Track

A2 and A3 applications that meet at least one of the following criteria:

- Being associated with project(s) of the Principal Investigator (PI) or Co-Principal Investigator (co-PI) approved with prior evaluation of scientific merit in Advanced Computing Project Calls (CPCA) in the last 3 years;
- Each application being associated with an approved project of the PI or co-PI in another call funded by FCT in the last 3 years, with the same project active at the time of application;

**Are exempt from new evaluation of scientific merit in this call.**

If they meet one of the aforementioned conditions, after administrative validation, these applications will be redirected through the “fast track,” being subject only to administrative validation and technical adequacy validation.





### 8.1.2 Full Track

All A2 and A3 applications without prior scientific evaluation will undergo a new evaluation of scientific merit by external evaluation panels invited by FCT, I.P. (P1-P6), according to the criteria defined in the following section..

#### 8.1.2.1 General Aspects of the Scientific Evaluation Process – Full Track:

The scientific merit of applications received through the full track will be evaluated by external evaluation panels, according to the scientific subfield of each application. Each application will be assessed by two independent reviewers within the relevant panel. To evaluate the aforementioned criteria, the following panels will be established, each coordinated by a member designated by FCT, I.P.:

**Panels:**

- P1 – Physics and Mathematics;
- P2 – Chemistry and Materials;
- P3 - Engineering and Technology;
- P4 – Life and Health Sciences;
- P5 – Earth and Environmental Sciences;
- P6 – Social and Economic Sciences.

**Evaluation Criteria:**

- S1: Scientific Relevance (40%);
- S2: Innovation and impact (30%);
- S3: Planning and project implementation (30%);

**Formula, weight and scoring:**

$$Final\ score=40\% \times S_1+30\% \times S_2+30\% \times S_3$$

The scoring is based on a quantitative scale of 0 to 10. The minimum score for the allocation of resources is 5. If two or more applications present the same value after applying the evaluation criteria, the one with the highest score will be considered the best ranked based on the following criteria in order of preference: S1 >>> S2 >>> S3.

**Note:** Only after the scientific merit evaluation will applications A2 and A3 be submitted for technical adequacy assessment (see point 8.2).

**Special Note:** If fewer than 10 valid applications are registered per category, a single super-panel will be formed to streamline the process, comprising all necessary evaluators from P1 to P6. Each application will also be evaluated by two independent reviewers according to its scientific area, with the ranking and final scores determined during the meeting of this super-panel, managed by a single coordinator appointed by FCT.



## 8.2 Validation of technical adequacy:

**All applications will be submitted to validation of technical adequacy conducted by the technical teams operating the computational platforms** listed in the table of point 5 of this Call for Applications (AAC), according to the following criteria:

- T1: Technical adequacy to the RNCA resources
- T2: Reasonableness of the requested resources
- T3: Planning of resource usage

This validation is based on a qualitative classification of 'accepted' and 'not accepted,' and does not factor into the final score calculations for accesses A2 and A3.

## 9. Submission of Applications

Applications consist solely of the electronic form available at <https://myfct.fct.pt/>, as mentioned in points 9.1, 9.2, and 9.3, along with their attachments. The maximum number of applications per Principal Investigator (IR) or co-Principal Investigator (co-IR) is as follows:

- **Types A0, A1, A2, A3: Each Principal Investigator (IR) may submit a maximum of ONE application in each type**, subject to resource availability. In each type, each person can appear only once as IR. Applications submitted in violation of this condition will not be accepted.
- **If resources are exhausted, and if both an A2 and an A3 application from the same IR are submitted, only one of the applications can be approved.** In this case, the choice will fall on the older application. In each type, applications will be processed in batches and in the order of arrival until the defined quota is exhausted.

### 9.1 A0 – Experimental Access and A1 – Development Access

The A0 and A1 applications must be submitted in English from **September 10, 2024, until 5 PM (Lisbon time) on September 10, 2025**, using the specific form available at: <https://myfct.fct.pt/>

>>>> Selecting "Advanced Computing Projects Call (5th ed) – A0 Experimental Access"

>>>> Selecting "Advanced Computing Projects Call (5th ed) - A1 Development Access"



Every 1-3 months, the A0 and A1 applications received until then will be aggregated into batches for technical suitability evaluation. The submission dates calendar will be available on the myFCT platform.

## 9.2 A2 – Regular Access and A3 – Large Scale Access

The Regular Access (A2) and Large Scale Access (A3) applications must be submitted in English starting from:

- **From September 10, 2024, until 5:00 PM (Lisbon time) on October 10, 2024:** Applications can be submitted exclusively via the fast track for projects that have been previously evaluated (see point 8.1.1).
- **From January 16, 2025, until 5:00 PM (Lisbon time) on February 27, 2025:** Applications will be accepted through the fast track for projects that have been previously evaluated (see point 8.1.1) and via the standard route for projects without prior CPCA/FCT evaluation (see point 8.1.2).

>>>> Selecting "Advanced Computing Projects Call (5th ed) – A2 Regular Access"

>>>> Selecting "Advanced Computing Projects Call (5th ed) - A3 Large Scale Access"

## 9.3 Non-exhaustion of computational resources

The allocation on the platforms will be carried out until the respective quota limit is reached. If the applications do not exhaust the available computational resources, the FCT may set a new deadline for submitting applications and new batches of applications. This process may repeat until all resources are allocated or the call is closed.

# 10. Approval of Applications

The ranked lists of applications are defined according to the criteria and weighting outlined in point 8. For A2/A3 access types, after gathering the scientific merit evaluations from the panels and the validation of technical adequacy, the RNCA access committee (composed of members from FCT and Operational Centers, as defined by the Internal Regulation published in DR under no. 1049/2020) will integrate and distribute the computational resources according to the reserved quota of resources, following the 20-40-40 principle:

- **20% of the applications with the highest scores in each panel will be recommended for access to 50-100%** of the requested resources, according to the preference of the platform indicated in the application and its availability.
- **40% of the following applications will be recommended for access to 50-75%** of the requested resources.



- The remaining **40% of applications will be recommended for access to 5-25%** of the requested resources, depending on the availability on the platform.

Separate rankings will be generated for A2 and A3 types and for each batch of A0 and A1 applications. Each approved application will have a unique reference associated, which will be known to the Principal Investigator (PI). The formalization of the allocation of computational resources will be done through the signing of an acceptance term, as per Article 21 of the Regulation for Advanced Computing Projects.

### 10.1 Utilization of Resources Allocated to the Approved Project

After the project is approved and resources are allocated on one of the platforms, it is essential to comply with the operational center's rules and use the reserved resources within the stipulated deadlines.

- The allocated resources should be utilized systematically throughout the project, meaning that at least 1/3 of the computational resources should be used by the midpoint of the project. If the beneficiary does not commence work by 2/3 of the timeline, the allocated computational resources may be reduced or withdrawn. Additionally, each operational center may employ the “sliding window” mechanism to optimize resource execution on the platform.
- If beneficiaries utilize the resources according to the computational work plan throughout the project's duration, without delays or unjustified stoppages, and if the operational center has availability, projects may receive bonuses of extra resources.
- In the event of unforeseen circumstances, such as malfunctions, construction, maintenance of platforms, or others, users may have to suspend their work and resume later, or they may be relocated to another platform in the network to minimize the impact on the project's completion.

### 10.2 Data Management and Results of the Approved Project

The responsibility for managing the data generated, as well as the corresponding backup, lies with the Principal Investigator (PI) and the co-PI. According to Article 24 of the Regulations, beneficiaries must:

- 1) Ensure open access to publications, namely by depositing them in one of the repositories of the RCAAP network; and
- 2) Ensure open access to data, in compliance with the FCT's Research Data Policy. To this end, it is recommended to develop and maintain a data management and sharing plan through the Argos platform at <https://argos.openaire.eu/>.



This step can be initiated during the application phase. In the event of project approval, **the data management plan must be made public or shared with the FCT within 6 months of signing the Acceptance Term.**

Contact for support: [helpdesk.polen@fccn.pt](mailto:helpdesk.polen@fccn.pt).

**All publications and theses resulting from the use of computational resources covered by these regulations, as well as any other results, must include in the acknowledgment section a reference to FCT I.P., the platform used, and the identifier assigned to the project.**

FCT I.P. may publicize the referenced information as public.

### 10.2.1 Protection of Personal Data and Privacy

In the context of filling out the application form for this call, personal data is collected and processed in accordance with the General Data Protection Regulation (GDPR), approved by Regulation (EU) 2016/679 of the European Parliament and Council, dated April 27, 2016, concerning the protection of individuals regarding the processing of personal data and the free movement of such data, in force since May 25, 2018, which repealed Directive 95/46/EC of October 24, 1995, as well as in accordance with the provisions of Law No. 58/2019 of August 8, which ensures the implementation of the GDPR in the national legal order.

Personal data is collected directly from the data subjects through the completion of the aforementioned form by users for access to computational resources.

The categories of data subjects include: researchers, educators, students, PhDs, entrepreneurs, among other users involved in the Portuguese scientific and business system.

The data collected is intended solely for the purpose of Managing the Dissemination of Scientific Knowledge, with the following common categories of personal data being collected:

- **Civil Identification:** including first name and surname, year of birth;
- **Contact Information:** covering institutional or personal email address, country of residence;
- **Tracking:** tools and protocols such as IP addresses (internet protocol), unique identifiers, security logs (access);
- **Authentication:** Access credentials (username and password);
- **Browsing Data:** IP address (internet protocol), session cookies.

Under the terms and for the purposes of the provisions of paragraphs b), c), and e) of Article 6(1) of the GDPR, the processing operations to be carried out in the context of filling out the application form are lawful as they are necessary for the execution of a contract to which the data subjects are party, or for pre-contractual measures at the request of the data subjects, or are necessary for compliance with legal obligations to which FCT is subject, and also necessary for the exercise of public interest functions vested in FCT.

FCT retains users' personal data for the minimum time necessary. This period considers the reasons for which data processing is necessary, as well as compliance with deadlines related to legal obligations.

FCT may also process personal data for purposes of archiving in the public interest, scientific or historical research purposes, or statistical purposes, respecting the principle of data minimization, including anonymization or pseudonymization whenever the intended purposes can be achieved through one of these means.

The sharing of personal data by FCT with third parties only occurs if there is a legal basis. As a rule, data is only shared with entities engaged in research and development (R&D) that are participants in the national science and technology system and with entities responsible for allocating and managing European funds in Portugal (management authorities and intermediate bodies).

Personal data is shared with these entities for the purposes of access and dissemination of knowledge, promoting the appropriate conditions for scientific employment and qualified employment in R&D institutions, fostering the rejuvenation of the scientific community and the development of scientific careers.

In sharing personal data, all technological and organizational measures are taken to ensure maximum security in the flow of data.

Personal data may also be subject to international transfer not only to countries belonging to the European Economic Area but also to third countries. In these cases, FCT transfers the data with appropriate guarantees, ensuring data security at all times, using the most appropriate international data transfer tools for that purpose.

FCT acts as the data controller for personal data, headquartered at Avenida D. Carlos I, 126, 1249-074 Lisbon, phone: +351 21 3924300, having appointed a Data Protection Officer, with whom contact should be made directly at the email address [dpo@fct.pt](mailto:dpo@fct.pt) for all matters related to personal data processed for this purpose. Furthermore, it is informed that personal data will be retained in accordance with what is established by legal or regulatory norms or, in the absence of such, as necessary for the pursuit of the purpose.

Through any of the contacts indicated above, and without prejudice to the limits set by law, data subjects have the right to request FCT access to their personal data, to its rectification or erasure, to the restriction of processing of their data, and to data portability when technically possible. They may also object to the processing or withdraw, at any time, the consent previously given, if this is the case.

Without prejudice to sending direct notification to FCT, data subjects can submit a complaint directly to the National Data Protection Commission ([www.cnpd.pt](http://www.cnpd.pt)), using the contacts provided by this entity for that purpose.

Personal data is retained in a manner that allows the identification of the data subjects only for the period necessary for the purpose for which it is processed, without prejudice, among others, to compliance with legal obligations that impose a specific retention period or the exercise of rights and legitimate interests of FCT.

Personal data that is manifestly irrelevant to the purpose of Managing the Dissemination of Scientific Knowledge is not retained and should be immediately and irreversibly anonymized and deleted.

To ensure the protection of personal data processed, FCT has implemented strict, internationally recognized rules that apply to all individuals legally authorized to handle such personal data. To that end, FCT has adopted security measures, both technical and organizational, to protect the personal



data made available to it, as well as to ensure the confidentiality, integrity, and authenticity of the processed data.

Personal data stored by FCT is encrypted and anonymized whenever possible, and access is controlled based on the principle of least privilege.

Moreover, FCT continuously reviews information security standards to ensure not only continuous improvement but also to stay updated regarding new threats, implementing necessary countermeasures.

## 11. Complementary Information

The present notice and other relevant documents and information, namely the Projects Regulation, are available at <https://www.fct.pt/apoios/Computacao>.

Additional information and clarifications, particularly regarding the completion of the application form, can be requested via email at: [rnca@fccn.pt](mailto:rnca@fccn.pt), indicating in the subject line “FCT/CPCA/2024/01”.

We still recommend the reading of the call's documentation, namely:

- Advanced Computing Projects Regulation;
- Computing Platforms Technical Sheet;
- Applications Guide;
- Evaluation Guide;

## 12. Acronyms and Definitions

- “AAC” = Call Notice
- “core. Hours” = A unit of processing time widely used in HPC. Number of CPU cores or vCPUs multiplied by the time, in hours, during which they are used for a specific function.
- “HPC” = High Performance Computing,
- “INCD” = National Distributed Computing Infrastructure
- “IP” = Proposing Institution
- “IR” = Responsible Investigator
- “PRACE” = Partnership for Advanced Computing in Europe
- “RGPD” = Data Protection General Regulation
- “vCPU” = CPU that is visible within a VM. It typically corresponds to a CPU core of the VM's host server.
- “vCPU.hours” = number of virtual CPUs multiplied by the time, in hours, during which they are used for a specific function.
- “VM” = Virtual Machine

Call Notice 5th Advanced Computing Projects Call (CPCA)

Allocated Resources to the call:

DEUCALION



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