FCT Fundação para a Ciência e a Tecnologia
Computação Científica Nacional
FCCN

Concurso para Projetos de Computação Avançada FCT/CPCA/2020/01 - 1ª Edição, 1º lote, 2020

Lista das Candidaturas Aprovadas com Acesso aos Recursos Computacionais (dez-20 até jun-21)

É apresentada a seguinte lista ordenada de candidaturas segundo os critérios definidos no aviso de abertura do concurso:

Referência	Título / Title	Investigador Responsável	Plataforma	Centro operacional	Acesso
CPCA/A2/2500/2020	PyroConvection	Rui Paulo Vasco Salgado	Oblivion	HPC-UE	**A2**
CPCA/A2/2524/2020	New Graphene Materials for Electronics	Manuel Melle-Franco	Navigator	LCA-UC	**A2**
CPCA/A2/2568/2020	Flow Dynamics in Storage Tanks	Nuno Miguel da Conceição Martins	Bob	MACC	**A2**
CPCA/A1/2611/2020	Scalability of pseudo-spectral code for turbulence simulation with particle tracking using a 1d-pencil decomposition	Carlos Bettencourt da Silva	Oblivion	HPC-UE	**A1**
CPCA/A2/2613/2020	CO2 Capture and Storage using Naturally Occurring H2O Ices	Fernando Jorge Araújo Lino da Cruz	Bob	MACC	**A2**
CPCA/A2/2640/2020	Transcriptomics-based prediction of human phenotypes using scalable and secure machine learning approaches	Pedro G Ferreira	Bob	MACC	**A2**
CPCA/A1/2790/2020	The global biogeography of invasive species: Emerging patterns, processes and short- to mid-term forecasts - GLOBINV	César Dinis Santos Capinha	Cirrus-A e Stratus, com GPU	INCD	**A1**
CPCA/A1/3154/2020	Exploring Matter in Extreme Conditions using Density Functional Theory	Gareth Oisín Williams	Cirrus-A	INCD	**A1**
CPCA/A2/3840/2020	Black holes and bosonic fields	Miguel Zilhao	Bob	MACC	**A2**
CPCA/A2/4075/2020	Getting ready for the unexpected: searching for new physics phenomena at the CERN Large Hadron Collider	Nuno Filipe da Silva Fernandes de Castro	Cirrus-A, com GPU	INCD	**A2**
CPCA/A2/4377/2020	Dispersion of asphaltenes in model mixtures by ionic liquids - a theoretical approach	Rafaela Nascimento Martins	Oblivion	HPC-UE	**A2**
CPCA/A2/4403/2020	SATRAP: Rational design of Self-Assembling networks for TRansparent electrode Applications	Sergey Pyrlin	Bob	MACC	**A2**
CPCA/A1/4416/2020	SATRAP: Rational design of Self-Assembling networks for TRansparent electrode Applications	Sergey Pyrlin	Navigator, com GPU	LCA-UC	**A1**
CPCA/A1/4443/2020	Search Design	Pedro Miguel da Cruz Correia Gardete	Bob	MACC	**A1**
CPCA/A2/4513/2020	Nanoscale material design for advanced cutting tools	Luis Silvino Alves Marques	Bob	MACC	**A2**
CPCA/A2/4568/2020	Enzymatic Synthesis of Biopolymeric Conjugates for Advanced and Targeted Therapies	Alexandra Teresa Pires Carvalho	Cirrus-A	INCD	**A2**
CPCA/A2/4595/2020	Role of metal ions in DNA recognition by proteins	Alexandra Teresa Pires Carvalho	Cirrus-A, com GPU	INCD	**A2**
CPCA/A2/4628/2020	Optimal surface texturing patterns for greener and more energy efficient sliding contacts	Luis Silvino Alves Marques	Oblivion	HPC-UE	**A2**
CPCA/A1/4630/2020	Scalability of code for spatial simulations of turbulent flows a 2d-pencil decomposition	Carlos Bettencourt da Silva	Oblivion	HPC-UE	**A1**
CPCA/A1/4781/2020	Protein S structure and dynamics - insight into SARS-CoV-2 entry	António Manuel Teixeira Martins do Canto	Oblivion	HPC-UE	**A1**
CPCA/A2/5043/2020	Ab initio computational design of a plasmonic spintronic material	Jaime Pedro Oliveira da Silva	Cirrus-A	INCD	**A2**
CPCA/A1/5214/2020	Deep Neural Networks for Anomaly Detection in Machinery using Audio/Vibration	Hugo Miguel Mendes Ferreira	Cirrus-A, com GPU	INCD	**A1**

Referência	Título / Title	Investigador Responsável	Plataforma	Centro operacional	Acesso
CPCA/A1/5613/2020	Genetic Programming for Interpretability	Alcides Miguel Cachulo Aguiar Fonseca	Cirrus-A e Stratus, com GPU	INCD	**A1**
CPCA/A2/5649/2020	TiSiNAg-o-Learn	Veniero Lenzi	Oblivion	HPC-UE	**A2**
CPCA/A2/5804/2020	Net4CO2 - 3D Simulations of NetMIX for Carbon Capture, Chemical Reaction, and Combustion	José Carlos Lopes	Bob	MACC	**A2**
CPCA/A1/5903/2020	MOOB- Multi-Objective Optimization of Buildings	António Paulo Teles de Menezes Correia Leitão	Cirrus-A	INCD	**A1**
CPCA/A2/6009/2020	CAMELOT - Cloud	Alcides Miguel Cachulo Aguiar Fonseca	Stratus	INCD	**A2**
CPCA/A2/6046/2020	High Performance Computing of Wind Flows over Forested Mountains	José Manuel Laginha Mestre da Palma	Navigator	LCA-UC	**A2**
CPCA/A2/6052/2020	Deep learning for particle-laden viscoelastic flow modelling	Célio Bruno Pinto Fernandes	Bob	MACC	**A2**
CPCA/A1/6056/2020	Injection Molding Simulator by Finite Pointset Method	Célio Bruno Pinto Fernandes	Bob	MACC	**A1**
CPCA/A1/6058/2020	Modelling the Injection Molding of Fiber Reinforced Polymeric Materials	Célio Bruno Pinto Fernandes	Bob	MACC	**A1**
CPCA/A2/6193/2020	Ocean-Atmosphere Dynamics of Island Wakes	Rui Miguel Andrade Caldeira	Cirrus-A	INCD	**A2**
CPCA/A2/6202/2020	Exploitation of Open-Source Computational Fluid Dynamics in HPC Systems	João Miguel de Amorim Novais da Costa Nóbrega	Bob	MACC	**A2**
CPCA/A2/6231/2020	GreenShoes - Virtual prototyping, artificial intelligence and additive manufacturing in the footwear industry	João Miguel de Amorim Novais da Costa Nóbrega	Bob	MACC	**A2**
CPCA/A1/6525/2020	Electron-Phonon interaction in epitaxial Ge-Si-C superlattices	Carlos António Loia Santos Reis	Bob	MACC	**A1**
CPCA/A1/6717/2020	Artificial Neural Networks for the Research and Development of Steel Structures Design	Carlos André Soares Couto	Navigator e Stratus	LCA-UC e INCD	**A1**
CPCA/A1/6759/2020	LAW - NLP	João Miguel de Sousa de Assis Dias	Navigator, com GPU	LCA-UC	**A1**
CPCA/A2/6816/2020	Multi-gluon vertices in Lattice QCD	Paulo de Jesus Henriques da Silva	Bob	MACC	**A2**
CPCA/A2/6817/2020	Epitaxial growth of multimetallic MXenes via nitrogen dissociation	José Daniel Lago da Silva Neves Gouveia	Navigator	LCA-UC	**A2**
CPCA/A2/6972/2020	Expanding the druggable target space	Rita Alexandra do Nascimento Cardoso Guedes	Navigator, com GPU	LCA-UC	**A2**
CPCA/A2/6986/2020	CIBME - Compressão de imagens biomédicas de modalidades emergentes (Compression of images from emergent biomedical modalities)	Lucas Arrabal Thomaz	Cirrus-A, com GPU	INCD	**A2**
CPCA/A1/7015/2020	Assessment of Footwear Thermal Comfort	João Miguel de Amorim Novais da Costa Nóbrega	Bob	MACC	**A1**
CPCA/A1/7017/2020	Computational Rheology with Complex Materials	João Miguel de Amorim N. da C. Nóbrega	Bob	MACC	**A1**
CPCA/A1/7070/2020	Berry connections from DFT calculations	Ricardo Pedro L. M. de Mendes Ribeiro	Bob	MACC	**A1**
CPCA/A2/7081/2020	Molecular dynamics of crystallization of honey-like systems	Paulo E. Abreu	Bob	MACC	**A2**
CPCA/A2/7083/2020	Microsolvation of ions in atomic and molecular solvents	Jorge Manuel Campos Marques	Bob	MACC	**A2**
CPCA/A2/7085/2020	Dynamical lattice QCD simulations at finite temperature	Orlando Olavo A. A. e Neves de Oliveira	Bob	MACC	**A2**
CPCA/A2/7087/2020	Natural Layered Perovskite Oxide Engineering for Green Technologies	João Pedro Esteves de Araújo	Bob	MACC	**A2**
CPCA/A2/7181/2020	In Silico Optimization of Brain Imaging Probes with Enhanced Permeation	Luís Miguel Santos Loura	Bob	MACC	**A2**
CPCA/A2/7192/2020	High Velocity Water Jets: Combined Computational Fluid Dynamics (CFD) and Experimental Approaches to Characterize the Scouring Process	António Maria de A. P. Roseira Muralha	Cirrus-A	INCD	**A2**
CPCA/A1/7203/2020	Numerical simulation of ammonia combustion in a swirl and bluff-body stabilised burner with complex chemistry	Pedro Jorge Martins Coelho	Oblivion	HPC-UE	**A1**
CPCA/A2/7217/2020	Pathogenomics of coffee leaf rust to probe virulence mechanisms and diagnostic markers	Francisco Pina-Martins	Cirrus-A	INCD	**A2**
CPCA/A2/7219/2020	Dissecting dopamine receptor 2 functional mechanism	Irina Sousa Moreira	Navigator	LCA-UC	**A2**
CPCA/A1/7240/2020	CPU4MOSAIC	André Bustorff Fortunato	Bob	MACC	**A1**
CPCA/A2/7242/2020	SINERGEA@RNCA - scenarios database for decision support of the integrated and optimized management of energy, bathing water quality and inundation in coastal cities	Anabela Pacheco de Oliveira	Oblivion	HPC-UE	**A2**

Referência	Título / Title	Investigador Responsável	Plataforma	Centro operacional	Acesso
CPCA/A1/7252/2020	Scalability of a novel Monte-Carlo method in the study of Ising lattices	João Cunha de Sequeira Amaral	Cirrus-A	INCD	**A1**
CPCA/A2/7255/2020	CoastNet Research Infraestruture	José Lino Vieira de Oliveira Costa	Stratus, com GPU	INCD	**A2**
CPCA/A2/7257/2020	Novel radiation sources from laser-plasma interactions	Marija Vranic	Cirrus-A	INCD	**A2**
CPCA/A2/7261/2020	Two-Temperature Model - Molecular Dynamcis Simulations of Quantum Wells under Strongly Ionising Irradiation	Katharina Lorenz	Navigator	LCA-UC	**A2**
CPCA/A2/7263/2020	Lattice thermal conductivity of biased bilayer graphene systems	Estelina Lora da Silva	Oblivion	HPC-UE	**A2**
CPCA/A2/7269/2020	High-performance computational design of biocompatible cell scaffolds for tissue engineering	Cristóvão de Sousa Dias	Bob	MACC	**A2**
CPCA/A0/7276/2020	Direct numerical simulations of turbulent planar wakes	Carlos Frederico N. Bettencourt da Silva	Bob	MACC	**A0**
CPCA/A0/7277/2020	Modelling radiation-induced defect engineering in silicon carbide: from quantum computing to radiation detection	José Pedro de Abreu Coutinho	Oblivion	HPC-UE	**A0**
CPCA/A0/7287/2020	Does Yang-Mills have an ultraviolet fixed point in 5D?	João Manuel Viana Parente Lopes	Bob	MACC	**A0**
CPCA/A0/7288/2020	Nonlinear optical responses in two-dimensional materials	João Manuel Borregana Lopes dos Santos	Cirrus-A	INCD	**A0**
CPCA/A0/7289/2020	Optical Response in Topological Materials	João Manuel Viana Parente Lopes	Cirrus-A	INCD	**A0**
CPCA/A0/7290/2020	High-Fidelity Simulations for Ocean Sustainable Solutions (HOSTESS)	Guilherme Nuno Vasconcelos Beleza Vaz	Bob	MACC	**A0**
CPCA/A0/7291/2020	Hadron structure from nonperturbative QCD	Gernot Eichmann	Bob	MACC	**A0**
CPCA/A0/7292/2020	Optical response in disordered materials	João Manuel Borregana Lopes dos Santos	Cirrus-A	INCD	**A0**
CPCA/A0/7296/2020	Direct numerical simulations of large-scale magnetic fields	Roman Chertovskikh	Oblivion	HPC-UE	**A0**
CPCA/A0/7297/2020	Mechanisms of reproductive allochrony in endemic Portuguese seabirds: implications for population divergence and response to climate change	Mónica Sérvulo Correia Carneiro da Silva	Cirrus-A	INCD	**A0**
CPCA/A0/7299/2020	Running Parallel Tasks Made Easier	Vitor Manuel Alves Duarte	Bob	MACC	**A0**
CPCA/A0/7302/2020	Structural and functional role of CACNG2 gene mutations in psychiatric diseases	Irina Sousa Moreira	Navigator	LCA-UC	**A0**
CPCA/A0/7303/2020	Population genomics of hybridization and adaptation	Vitor Martins Conde e Sousa	Cirrus-A	INCD	**A0**
CPCA/A0/7304/2020	Fighting multidrugresistance in cancer by targeting P-glycoprotein	Daniel José Viegas Antunes dos Santos	Cirrus-A	INCD	**A0**
CPCA/A0/7305/2020	Design of protein chimeras targeting SARS-CoV-2	Diana Andreia Pereira Lousa	Bob	MACC	**A0**
CPCA/A0/7308/2020	Real-space simulation of excitonic properties	Bruno António Campos Amorim	Oblivion	HPC-UE	**A0**
CPCA/A0/7309/2020	Hybrid Improper Ferroelectricity in AA'Fe2O6 Double Perovskite	Samuel Silva dos Santos	Bob	MACC	**A0**
CPCA/A0/7311/2020	Genomics of thermal adaptation: transcriptomic changes during climate warming	Pedro Miguel M. Corado Simões	Bob	MACC	**A0**
CPCA/A1/7313/2020	Meta-species analyses of patterns of molecular variation in marine fauna	Pedro Emanuel F. dos Reis Vieira	Stratus	INCD	**A1**
CPCA/A0/7316/2020	Targeting Neuroinflammation: from target validation to the rational design of selective modulators	Rui M. M. Brito	Bob	MACC	**A0**
CPCA/A0/7318/2020	Computation of Functions over Matrices using Monte Carlo	José Carlos Alves Pereira Monteiro	Bob	MACC	**A0**
CPCA/A0/7322/2020	Reducing the execution time of a solver in derivative-free optimization	Pedro Abílio Duarte de Medeiros	Bob	MACC	**A0**
CPCA/A0/7323/2020	Computational Fluid Dynamics of Hypersonic, Reactive, and Plasma Flows	Mario António P. Lino da Silva	Cirrus-A	INCD	**A0**
CPCA/A0/7324/2020	FunMix - Fundamentals of Mixing Mechanics in Chemical Reactors	Ricardo Jorge Nogueira dos Santos	Bob	MACC	**A0**
CPCA/A0/7326/2020	Direct numerical simulations of viscoelastic turbulent wakes	Carlos Frederico N. Bettencourt da Silva	Navigator	LCA-UC	**A0**
CPCA/A0/7329/2020	Coarse grain modeling of membrane function in health and disease	Manuel Nuno de S. P. S. de Melo	Bob	MACC	**A0**
CPCA/A0/7346/2020	Multiobjective optimization in structural-acoustic coupled problems	Aurélio Lima Araújo	Navigator	LCA-UC	**A0**
CPCA/A0/7347/2020	Peridynamics for multifunctional composite structures	Aurélio Lima Araújo	Navigator	LCA-UC	**A0**
CPCA/A0/7348/2020	Exotic optical properties of nonequilibrium quantum fluids	Nuno Miguel Azevedo Silva	Bob	MACC	**A0**
CPCA/A0/7350/2020	Comprehensive study of the mutational effects in E.coli	Tiago Matias M. S. Seara Paixão	Stratus	INCD	**A0**
CPCA/A0/7356/2020	EvoMod: Machine learning modelling of terpene-driven genome evolution in Pseudomonas sp. M1	Pedro Miguel Soares Castro	Bob	MACC	**A0**

Linha de corte A

Referência	Título / Title	Investigador Responsável	Plataforma	Centro operacional	Acesso	
CPCA/A0/7359/2020	Phylogenetic network inference for bioassessment and conservation	Pedro Emanuel F. dos Reis Vieira	Stratus	INCD	**A0**	
CPCA/A0/7361/2020	MDUSa - Magnetospheric Dynamics of Ultra-compact Stars	Rui Pedro Tourinho Torres	Bob	MACC	**A0**	
CPCA/A0/7363/2020	Generative Adversarial Networks for the material characterisation of biological tissues	João Pedro Sousa Ferreira	Cirrus-A, com GPU	INCD	**A0**	
CPCA/A0/7400/2020	Advanced computing for multi-scale reverse engineering	Geoffrey Robert Mitchell	Bob	MACC	**A0**	
CPCA/A0/7401/2020	COMPUTIO: Flood modeling automation in high slope watersheds using artificial intelligence and big data techniques	Gonçalo João Vitorino de Jesus	Bob	MACC	**A0**	
CPCA/A0/7402/2020	Bio-inspired Optimization Algorithms for Unit Test Generation	José Carlos Medeiros de Campos	Bob	MACC	**A0**	
CPCA/A0/7403/2020	Designing DNA-hydrogels to removing mycotoxins from water environments	Tânia Firmino G. Guerreiro da Cova	Bob	MACC	**A0**	
CPCA/A0/7407/2020	Performance evaluation of parallelization strategies in derivative-free optimization algorithms	Pedro Abílio Duarte de Medeiros	Stratus	INCD	**A0**	
CPCA/A0/7408/2020	Modeling Variable Identifiers to Improve the Adoption of Automatically Generated Unit Tests	José Carlos Medeiros de Campos	Bob	MACC	**A0**	
CPCA/A0/7412/2020	Adsorption energies of corrosion inhibitors as smart data to search new protective solutions for aeronautical applications	Gerard Novell-Leruth	Navigator	LCA-UC	**A0**	
CPCA/A0/7416/2020	Genomics of cadmium adaptation	Sara Newbery Raposo de Magalhães	Cirrus-A	INCD	**A0**	
CPCA/A0/7417/2020	Measuring and adapting team-level constructs: Challenges and opportunities	Jorge Fernando Pereira Sinval	Stratus	INCD	**A0**	
CPCA/A0/7420/2020	High resolution wind-wave modeling for the North Atlantic	Tiago Castro Alves Oliveira	Bob	MACC	**A0**	
CPCA/A0/7425/2020	Fake News and Real People - Using Big Data to Understand Human Behaviour (FARE)	Joana Gonçalves de Sá	Stratus	INCD	**A0**	
CPCA/A0/7429/2020	Deep learning architectures: NLP, reinforcement learning and benchmarking environments	Henrique Lopes Cardoso	Navigator e Stratus	LCA-UC e INCD	**A0**	
CPCA/A0/7438/2020	Genomics for phylogenetics and epidemiology of microbial pathogens	Mario Nuno R. de Almeida Ramirez	Stratus	INCD	**A0**	**Linha de corte B**
CPCA/A00/4376/2020	Structure and dynamics of mono and bilayers subjected to external agents	Luís Filipe Guerreiro Martins	Oblivion	HPC-UE	**A00**	
CPCA/A00/6057/2020	An Interface-Tracking Method to Simulate Viscoelastic Free-Surface Flows	Célio Bruno Pinto Fernandes	Bob	MACC	**A00**	
CPCA/A00/7094/2020	Design and optimization of DNA nanostructures to deliver antimicrobial agents	Sandra Cristina da Cruz Nunes	Bob	MACC	**A00**	
CPCA/A00/7150/2020	Quantifying the stability of constrained alpha helices	Maria Leonor Nunes Ribeiro Cruzeiro	Navigator	LCA-UC	**A00**	
CPCA/A00/7167/2020	Spin and charge dynamics of novel 2D materials	António Tavares da Costa	Bob	MACC	**A00**	
CPCA/A00/7188/2020	Hybrid modelling assessment flood discharge in Tua large dam	Lourenço Sassetti J. da Silva Mendes	Cirrus-A	INCD	**A00**	
CPCA/A00/7246/2020	Genetic variability on disease susceptibility: a genome-wide evaluation on gastric cancer and SARS-CoV-2 infected patients	Luísa Maria Sousa Mesquita Pereira	Bob	MACC	**A00**	
CPCA/A00/7343/2020	Incommensurability effects in low-dimensional Quantum Materials	Pedro José Gonçalves Ribeiro	Oblivion	HPC-UE	**A00**	
CPCA/A00/7421/2020	Effects of disorder in nodal loop semimetals	Eduardo Filipe Vieira de Castro	Oblivion	HPC-UE	**A00**	
CPCA/A00/7439/2020	Old drugs with a new target	Alfredo Jorge Palace Carvalho	Oblivion	HPC-UE	**A00**	
CPCA/A00/6782/2020	Plenoptic imaging for skin lesion assessment	Lucas Arrabal Thomaz	Bob	MACC	**A00**	
CPCA/A00/7140/2020	Application of QM/MM Methods in the Development of Biocatalysts	Sergio Filipe Maia de Sousa	Cirrus-A	INCD	**A00**	
CPCA/A00/7145/2020	Application of Molecular Dynamics Simulations in the Study of Biomolecular Interactions for the Identification of New Drug Candidates	Sergio Filipe Maia de Sousa	Cirrus-A	INCD	**A00**	
CPCA/A00/7312/2020	Insights on the CFTR ion gating mechanism provided by computer simulations	Ricardo José Diogo Grácio Ferreira	Cirrus-A	INCD	**A00**	

Referência	Título / Title	Investigador Responsável	Plataforma	Centro operacional	Acesso
CPCA/A00/7319/2020	Exploring the efflux and modulation mechanism of Human BCRP through Molecular Dynamics Simulations	Daniel José V. A. dos Santos	Cirrus-A	INCD	**A00**
CPCA/A00/7355/2020	Large Eddy Simulation of supercritical mixing layers relevant to liquid rocket propulsion	André Resende Rodrigues da Silva	Bob	MACC	**A00**
CPCA/A00/7358/2020	Direct Numerical Simulation of Two-Phase Flows	André Resende Rodrigues da Silva	Bob	MACC	**A00**
CPCA/A00/7387/2020	Optimization of Distributed Machine Learning Jobs in Cloud Environments	Paolo Romano	Stratus	INCD	**A00**
CPCA/A00/7395/2020	Exploring New Physics with Deep Learning in the era of Collider and Gravitational Wave experiments	Felipe Ferreira de Freitas	Stratus	INCD	**A00**
CPCA/A00/7317/2020	Generation of Magnetic Field by Thermal Convection of a Fluid Layer	Sílvio Marques de Almeida Gama	Navigator	LCA-UC	**A00**
CPCA/A00/7437/2020	Study of Hydrophobic and Hydrophilic Interactions in Protein Aggregation towards the development of Aggregation Inhibitors	Nuno Jorge Rosa Lopes Galamba	Bob	MACC	**A00**

Legenda da tabela

A1 Este acesso está recomendado a todos os projetos científicos e de inovação sem experiência prévia em HPC ou HTC e/ou sem histórico de utilização nos recursos computacionais da RNCA. Destina-se primariamente à realização de testes de performance de software, testes de escalabilidade, benchmarking, re-factoring e projetos de curta dimensão que não ultrapassem o limite de tempo e recursos definidos no presente aviso. Limite de Recursos: 50 000 core.horas ou vCPU_core.horas. Limite de tempo máximo: 2 meses, prorrogáveis. Estes projetos não tiveram avaliação técnica nesta edição.

A2 Destina-se à utilização de recursos HPC, HTC ou Cloud Computing, para projetos com dimensão maior que 50.000 core.horas ou vCPU.horas até a um limite máximo de 3.000.000 core.horas ou vCPU.horas, com possibilidade de aprovação de pedidos de prorrogação. Limite de tempo máximo: 6 meses, prorrogáveis. Todos os acessos A1+A2 ou A2 foram sujeitos a avaliação técnica.

A0 Voucher concedido aos projetos abaixo da linha de corte, após serem esgotados os recursos HPC/HTC, e que satisfazem os critérios a) e b). Destina-se ao incentivo da utilização de HPC, HTC ou Cloud Computing na Rede Nacional de Computação Avançada. Recursos: ≤50.000 core.horas ou vCPU.horas. Limite de duração máxima do projeto: 6 meses.

A00 Voucher concedido aos projetos abaixo da linha de corte e que satisfazem os critérios a) ou b) ou nenhum dos dois. Destina-se ao incentivo da utilização de HPC, HTC ou Cloud Computing na Rede Nacional de Computação Avançada. Recursos ≤25.000 core.horas ou vCPU.horas. Limite de duração máxima do projeto: 6 meses.

Linha de corte A= Linha definida entre acessos A1/A2 e A0/A00, ao esgotar a capacidade inicial disponibilizada de 27,3M. Vouchers A0 e A00 para HPC/HTC abaixo da linha de corte apenas possíveis com o reforço extra da capacidade dos centros operacionais.

Linha de corte B= Linha definida entre vouchers A0 e A00 (ver definição acima).

MACC Minho Advanced Computing Centre

LCA-UC Laboratório de Computação Avançada da U. Coimbra

HPC-UE High Performance Computing da U. Évora

INCD Infraestrutura Nacional de Computação Distribuída