Usage Metrics

Several usefull metrics reporting the Institutional usage of the infrastructure

- Supported Projects
  - 2025
  - 2024
  - 2023
  - 2022
  - 2021
  - 2020
  - 2019
  - 2018
  - 2017
- Supported Institutions
  - 2023
  - 2022
  - 2021
  - 2020
  - Period 2017-2019
  - 2024

Supported Projects

Projects supported by the CNCA infrastructure

2025

1. 2025.05653.CPCA.A1 Mental Health Aiding System with Dynamic Multimodal Fusion Learning
2. 2025.07650.CPCA.A1 Development of AI for Football Robots
3. 2025.07806.CPCA.A1 Estimation of Hourly Flows based on the ECMWF ERA5 dataset
4. 2025.07929.CPCA.A1 Development of AI Tools for the CHARMIE Robot to Carry Out Domestic Tasks
5. 2025.08090.CPCA.A1 CoastNet: computational resource for protection Marine Ecosystems
6. 2025.08211.CPCA.A1 High-Performance Computational Methods for Large-Scale Pathology Analysis
7. 2025.00239.CPCA.A2 PTPARL-D: Annotated corpus of Portuguese Parliament Debates
8. 2025.03899.CPCA.A0 Neutronics simulations for diagnostics in the next-generation nuclear fusion reactor DEMO
9. 2025.05015.CPCA.A0 The role of block chain technology in securing electronic health records: opportunities and challenges
10. 2025.07649.CPCA.A0 Cost-effectiveness analysis of Seismic Retrofitting Measures for Pre-Code Masonry Buildings in Lisbon
11. 2025.07881.CPCA.A0 PFAS (Per- and Polyfluoroalkyl) Pollutants – Molecular Simulations for Environmental Remediation
12. 2025.07483.CPCA.A0 Digital Wallets in the Metaverse: A Blockchain-Based Approach to Enhance Payment Systems
13. 2025.07909.CPCA.A0 Reinforcement Learning for turn based war games: an algorithm comparison
14. 2025.08210.CPCA.A0 Harnessing High-Performance Computing in Diffusion and Vision-Language Models for Enhanced Multimodal Understanding in Medical Applications
15. 2025.08215.CPCA.A0 Development of seismic vulnerability curves for risk assessment of Portuguese building stock and critical civil engineering infrastructures at the national and regional scales
16. 2025.00084.CPCA.A2 Identification of new Mtb ClpC1-NTD binders using state of the art in silico screening
17. 2025.00006.CPCA.A2 Genomic approaches to unravel adaptation to climate change in weasels and hares.
18. 2025.00279.CPCA.A2 HPC4ML-PDEs – High-Performance Computing for Machine Learning-Based Scalable High-Dimensional PDE Solvers
19. ERC consolidator BIOMATFAB Grant agreement ID: 101045466 (https://cordis.europa.eu/project/id/101045466)
20. CoastNet 2030: Monitorização para a Proteção dos Ecossistemas Marinhos. Financiamento: Programa Operacional Mar2030 (Aviso: Apoio à Proteção e Restauração da Biodiversidade e dos Ecossistemas Marinhos). CoastNet Infra Financiamento: Programa Regional de Lisboa 2030 (Aviso: Infraestruturas e equipamentos científicos).

21. DANUBIUS IP Financiamento: Horizon CSA (Call: Horizon-INFRA-2021-Dev 02). • Danube4all: Supporting the development of a restoration plan for te Tagus Basin. Project for associated regions from the project DANUBE4all – Restoration of the Danube River Basin for ecosystems and people from mountains to coast. Financiamento: European Union’s Horizon Europe, Research and Innovation programme Grant number: 101093985.
22. CONNECT + - Extending the CONNECT coastal service to the southern Portuguese coast Financiamento: National Collaboration Programme 2022-2028 do Copernicus Marine Service • Controlo e prevenção do caranguejo-peludo-chinês Financiamento: Fundo Ambiental
23. MeroSW: Ação de repovoamento dirigida ao mero-legítimo na costa sudoeste Financiamento: Fundação VIRIDIA
24. DiadSea: Transnational cooperation to improve the management and conservation of diadromous fish at sea Financiamento: Interreg Atlantic Area
25. StartMarineBio - Assessment of changes in marine communities associated with the implementation of a Data Center in Sines by Start Campus
26. PREDATOR - PREvent, Detect and combAT the spread Of SiluRus glanis in south european lakes to protect biodiversity (LIFE21-NAT-IT-PREDATOR). Financiamento: LIFE Programme
27. 835105 - YoctoLHC Yoctosecond imaging of QCD collectivity using jet observables H2020 aAmuse - Project 101006726 aAmuse - advanced Muon Campus in US and Europe contribution H2020
28. 853566 - FARE Fake News and Real People – Using Big Data to Understand Human Behaviour H2020
29. PTDC/FIS-PAR/1214/2021 Precision timining with forward protons at the HL-LHC PTDC 4000136945 GLOSS GLOSS: Gamma-ray Laue Optics and Solid State detectors (PRODEX Experiment Arrangement No. 4000136945) PRODEX
30. MuCol - Proposal 101094300 A Design Study for a Muon Collider complex at 10 TeV center of mass Horizon Europe
31. 4000141332 THOR-SR Space Rider TGF and High-energy astrophysics Observatory for gamma-Rays on board the Space Rider PRODEX
32. EuroCC 2 National Competence Centres for High Performance Computing Horizon Europe
33. EOSC-Beyond EOSC Beyond: advancing innovation and collaboration for research Horizon Europe
34. ENVRI-Hub-NEXT ENVironmental Research Infrastructures delivering an open access Hub and 1. NEXT-level interdisciplinary research framework providing services for advancing science and society. Horizon Europe
35. 2024.06879.CERN Physics with UHECRs at the Pierre Auger Observatory Fundo CERN
36. 2024.00227.CERN Collaboration in the ATLAS Experiment at CERN: Data Taking and Analysis Fundo CERN
37. 2024.00238.CERN Collaboration in the operation and physics data analysis at the CMS experiment at CERN Fundo CERN
38. 2023.14470.PEX_Sparkle Spectral Analysis and Radiative Data for Elemental Kilonovae Identification Exploratórios
39. PROSSE-SpaceRad No. 4000144030 SpaceRad - An Integrated Framework for the Radiation Environment in Space, on Mars and on the Moon and its Implications for Human Space Flight

40. 2024.00992.CERN Collaboration in the International Space Station experiment AMS for the detection of intermediate energy cosmic rays Fundo CERN
41. 2024.05140.CERN Portuguese Participation in the Future Circular Collider (FCC) Fundo CERN
42. 2023.15783.PEX - Lumidos Novel LUMInescent passive DOS Exploratórios
43. 2023.15319.PEX_AnWSM Anomalous collective modes in Weyl semimetals Exploratórios
44. 2024.06584.CERN ATLAS Experiment Upgrade Fundo CERN
45. 2024.00258.CERN ProtoDUNE at CERN: the path towards the DUNE neutrino experiment Fundo CERN
46. 2024.00269.CERN - LqXe Participation in the DRD1 Collaboration at CERN - LqXe Fundo CERN
47. 2024.00269.CERN - RPC Participation in the DRD1 Collaboration at CERN - RPC Fundo CERN
48. 2024.00269.CERN - nDet Participation in the DRD1 Collaboration at CERN - nDet Fundo CERN
49. GDI4CA Research Data Management for Open Science Other
50. 2023.15652.PEX UHRnD - Ultra-high count rate neutron detector concept with primary scintillation readout Exploratórios
51. 2024.00269.CERN - GasDet Participation in the DRD1 Collaboration at CERN - GasDet Fundo CERN
52. SPS G6305 MYP-UBUDA (Unmanned aerial biosensors for ultrasensitive detection of biological agents) SPS
53. 2024.07615.IACDC AGRISPACE - Partnership Agriculture of data - data-space pilot Other 101158511 - IBERIFIER Plus Iberian Digital Media Observatory Other
54. BoneOscopy - Project 101185141 Live Cell Spectroscopy Analysis for Personalised Particle Radiation Therapy of Metastatic Bone Cancer Horizon Europe

Supported Projects

2024

1. EMO BON: European Marine Omics Biodiversity Observation Network (https://www.embrc.eu/emo-bon/)
2. 2024/07/01 - Current UNMASK - Unraveling Parkinson's disease diagnosis ERC-POC
3. 2024/01/01 - Current PROSPLIGN - Prospecting natural lignin biodiversity towards unlocking value-added bioactive motifs and molecules 101135298 European Commission
4. 2022/09/01 - Current HfPT - Health from Portugal HfPT - PRR Agência para a Competitividade e Inovação IP
5. 2022/01 - Current PROTEIOS - Protein Materials for non-invasive wound sensoring PTDC/CTM-CTM/6101/2020
6. 2020/10/28 - 2025/03 PURE - Precisely Patterned Nanofibers for High Performance Bioseparations 899732 Researcher European Union EU Framework Programme for Research and Innovation Future and Emerging Technologies
7. New molecules harnessing targeted protein degradation for the treatment of Machado-Joseph disease CaixaResearch Health Call 2024
8. New Drugs that Modulate Tubulin Modifications to Enhance Taxol Treatment in Breast Cancer CaixaImpulse Health Innovation Program
9. Simulations for aptamer design (AptaSims) Research Council of Finland
10. Engaging Libraries of Promising Oxindoles as Tyrosine-Kinase Inhibitors in Cancer Target Therapy Fundação para a Ciência e a Tecnologia GRANT_NUMBER: 2022.02910.PTDC
11. Refining Antimicrobial Peptides with cutting-edge strategies to tackle infections by Nontuberculous Mycobacteria Fundação para a Ciência e a Tecnologia GRANT_NUMBER: PTDC/BIA-MIC/3458/2020
12. ExtremeOceans (PTDC/BIA-BMA/1494/2020). FCT, .i.p. (Portugal)
13. EASMO (BiodivClim 452). Biodiversa Consortium (Transnational)
14. Chance or curse? The consequences of hybridization in a changing world. Coordinator PI: Molly Schumer (Standford University, USA). Participant PIs: Claudia Bank (IEE, University of Bern), Chelsea Rochman (University of Toronto, Canada), Vitor C Sousa (CE3C, Ciências, University of Lisbon, Portugal). Human Frontier Science Program – Young Researcher Award (RGY0081/2020).
15. DOFLOW: Impact of Dominance and Gene flow on Adaptation. PI: Vitor C Sousa. “Fundação para a Ciência e a Tecnologia” (FCT) ERC Portugal Program 1.HYBRIDOMICS: Can hybridization fuel adaptation and species response to environmental change? Genomics and proteomics of endemic Iberian freshwater fish. PI: Vitor C Sousa. FCT SR&TD Project Grant (PTDC/BIA-EVL/4345/2021) https://doi.org/10.54499/PTDC/BIA-EVL/4345/2021
16. EMBRC-ERIC (internal project of RI via EMBRC-PT)
17. Agromix - H2020. Cordis: https://cordis.europa.eu/project/id/862993)
18. Colaboração na experiência AMS da estação espacial internacional para deteção de raios cósmicos de energia intermédia Fundo CERN CERN/FIS-PAR/0007/2021

19. Collaboration in the ATLAS Experiment at CERN: Data Taking and Analysis Fundo CERN 2024.00227.CERN
20. PANDDdA: Physics Analysis and Next-generation Detector Design with Differentiable Algorithms Other 2023.00042.RESTART
21. ATLAS Experiment Upgrade Fundo CERN 2024.06584.CERN
22. Physics with UHECRs at the Pierre Auger Observatory Fundo CERN 2024.06879.CERN
23. aAmuse - advanced Muon Campus in US and Europe contribution H2020 aAmuse - Project 101006726
24. Precision timining with forward protons at the HL-LHC PTDC PTDC/FIS-PAR/1214/2021
25. Collaboration in the operation and physics data analysis at the CMS experiment at CERN Fundo CERN 2024.00238.CERN
26. Collaboration in the HL-LHC Upgrade of the CMS experiment at CERN Fundo CERN 2024.01191.CERN
27. Participation in the LUX-ZEPLIN experiment PTDC PTDC/FIS-PAR/2831/2020
28. PPatFCC_Participação Portuguesa no Futuro Colisionador Circular (FCC) Fundo CERN CERN/FIS-PAR/0035/2021
29. A Design Study for a Muon Collider complex at 10 TeV center of mass Horizon Europe MuCol - Proposal 101094300
30. NEXT: Detection of the neutrinoless Double Beta Decay in Xe-136-the NEXT experiment PTDC PTDC/FIS-NUC/3933/2021
31. EOSC-Future Horizon Europe EOSC-Future
32. An interdisciplinary Digital Twin Engine for science Horizon Europe interTwin (ID:101058386)
33. Artificial Intelligence for the European Open Science Cloud Horizon Europe AI4EOSC
34. A Digital Twin for GEOphysical extremes Horizon Europe DT-GEO
35. Imaging data and services for aquatic science (Grant Agreement 101058625) Horizon Europe iMagine
36. Suporte para o tier-2 de ATLAS e CMS no contexto do WLCG MoU entre Portugal e o CERN Fundo CERN CERN/FIS-COM/0018/2021
37. National Competence Centres for High Performance Computing Horizon Europe EuroCC 2
38. Integrated Activities for the High Energy Astrophysics Domain H2020 871158-AHEAD 2020
39. GLOSS: Gamma-ray Laue Optics and Solid State detectors (PRODEX Experiment Arrangement No. 4000136945) PRODEX 4000136945 GLOSS
40. TGF and High-energy astrophysics Observatory for gamma-Rays on board the Space Rider PRODEX 4000141332 THOR-SR Space Rider
41. Neutrinoless double beta decay search with the SNO+ experiment PTDC PTDC/FIS-PAR/2679/2021
42. ProtoDUNE at CERN: the path towards the DUNE neutrino experiment Fundo CERN 2024.00258.CERN
43. Multiquarks structure - Nuclear Physics and Strong Interaction Group Fundo CERN CERN/FIS-PAR/0023/2021
44. RENASCER_Estudos de reações nucleares para Astrofísica Nuclear na instalação ISOLDE do CERN
45. Fundo CERN CERN/FIS-PAR/0009/2021
46. Parâmetros atómicos para modelação de quilonovas Exploratórios 2022.06730.PTDC

47. ImprovingPT: Optimization, construction and first in-beam tests of range monitoring and quality assurance systems for the improvement of proton therapy Fundo CERN CERN/FIS-TEC/0017/2021
48. Yoctosecond imaging of QCD collectivity using jet observables H2020 835105 - YoctoLHC
49. The strong interaction at the frontier of knowledge:fundamental research and applications 824093 - STRONG-2020
50. THbridgeEXP-II_A ponte entre Teoria e Experiência: Fenomenologia de Colisionadores (II) Fundo CERN CERN/FIS-PAR/0032/2021
51. AIDAinnova H2020 101004761 AIDAinnova
52. RPCInnova - Advances in RPC detector technology targeting CERN experiments and applications for society Fundo CERN CERN/FIS-INS/0006/2021
53. LHC-SND_Participation in the SND@LHC experiment at CERN Fundo CERN CERN/FIS-INS/0028/2021
54. Excitações em materiais quânticos 2D/INL PTDC PTDC/FIS-MAC/2045/2021
55. Fake News and Real People – Using Big Data to Understand Human Behaviour H2020 853566 - FARE
56. Fake News Recommendations - an Auditing System of Differential Tracking and Search Engine Results Horizon Europe 101100653 - FARE_AUDIT
57. Expert Suport to BERM & RADEM units Other ESA: 4000137865/22/ES/JD
58. SWGO: the wide-field gamma-ray observatory at the Southern hemisphere PTDC PTDC/FIS-PAR/4300/2020
59. Portuguese Coastal Monitoring Network: CoastNET
60. Portuguese node of the Global Biodiversity Network: GBIF
61. Portuguese Biological data Network: BioData.pt / ELIXIR
62. LIFE-GARACHICO: Projeto cofinanciado pelo Programa LIFE, LIFE20 CCA / ES / 001641
63. C2IMPRESS: Projeto financiado pelo Horizon Europe Framework Programme (HORIZON) Research and Innovation Actions under grant agreement No 101074004.
64. CONNECT - Local coastal monitoring service for Portugal (Copernicus)
65. CONNECT + Local coastal monitoring service for Portugal (copernicus)
66. Digital Innovation Hub Attract
67. WOLLF - UN Ocean Decade

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National Computing Calls

1. 2024.09095.CPCA.A2 Computational Fluid Dynamics (CFD) application for marine and offshore structures
2. 2024.09383.CPCA.A2 Non-universal correction in the effective string theory of flux tubes
3. 2024.09991.CPCA.A0 Network heterogeneity and population dynamics
4. 2024.07879.CPCA.A1 Genome sequencing on Eurasian ancient and modern Human
5. 2024.09026.CPCA.A1 Automated Flat Circuit-Level Topology Generation
6. 2024.09342.CPCA.A1 The Cosmic Gamma-ray Horizon II
7. 2024.09848.CPCA.A1 Computational Exploration of V- and Nb-Containing Li-ion Conducting Glasses: From Ab Initio Molecular Dynamics Simulations to NMR Parameter Analysis

8. 2024.10018.CPCA.A1 Evaluating the Viability of BEAST Software for Accurate Phylogenetic Dating
9. 2024.18365.CPCA.A0 HOPES – Higher resolution Ocean forecasts through Portugal’s Enhanced numerical modelling Systems
10. 2024.13393.CPCA.A1 Combined Learning strategies for Multi-Agent Multi-Task Vehicle Routing Problems
11. 2024.18424.CPCA.A1 HPC4SE-NLEs – High-Performance Computing for Swarm and Evolutionary-Based Scalable Nonlinear Equation Solvers
12. 2024.18370.CPCA.A0 Sustainability Disclosure: Experimental Insights of Advanced Computing
13. 2024.13207.CPCA.A1 Predictive Maintenance through Diffusion Models: Addressing Data Imbalance and Scarcity in Wind Turbine Fault Prediction
14. 2024.18427.CPCA.A1 FST Lisboa – Improving Vehicle Aerodynamics
15. 2024.13866.CPCA.A0 High-Performance Computing for COMPUTationally designed thERmoelectrics used in waste HEAT harvesting (HPC4COMPUTERHEAT)
16. 2024.07901.CPCA.A2 CaCau: Cancer Causality for Precision Oncology | Phase 2 Model testing
17. 2024.07909.CPCA.A2 MoreThanPerfect: oPEncoasts as a Relocatable Forecast Engine for Coastal Digital Twins – part2
18. 2024.10172.CPCA.A1 Bayesian Structural Equation Modeling: Incorporating prior knowledge via elicitation
19. 2024.12862.CPCA.A1 Auto-Tunning Framework for Parallel Computing
20. 2024.12160.CPCA.A0 Benchmarking Deep Learning Approaches for Time Series Forecasting: Empirical Study and Meta-data Collection
21. 2024.08929.CPCA.A0 Numerical modeling in Docker on the Cloud
22. 2024.17878.CPCA.A0 DisTcoverAI – Discovery of new Distributed Algorithms with Artificial Intelligence
23. 2024.18373.CPCA.A0 Thermions-Cloud: Deployment and Analysis of the Thermions Parallel Scientific Application in the Cloud
24. 2024.00036.CPCA.A1 High-Performance Computing for Enhanced Virtual Power Plant Efficiency
25. 2024.00137.CPCA.A1 GEMINI (Digital twins for sustainable tourism futures)
26. 2024.00150.CPCA.A1 MOONSHAPES: measuring the shapes of millions of galaxies with spectroscopy follow-up
27. 2024.02766.CPCA.A0 Zoonomed – Iberian species of the Mediterranean ecosystem as reservoirs for emerging zoonotic viruses
28. 2024.03106.CPCA.A0 Transportation Mode Detection from GPS trajectory dataset.
29. 2024.03686.CPCA.A0 Wrinkles and all
30. 2024.06972.CPCA.A1 Application of COAWST for sediment transport studies on Madeira Island.
31. 2024.06986.CPCA.A1 Exploring LLMs for Mental Health Aiding Systems
32. 2024.06991.CPCA.A0 Climate Change and Public Health: Assessing Future Risks of Air Pollution and Heat-Related Mortality
33. 2024.07001.CPCA.A1 Hydrodynamics of marine and offshore structures based on Computational Fluid Dynamics (CFD)

34. 2024.07009.CPCA.A1 Limits of adaptation to climate change: combining new bioinformatic methods with genomic data from weasels and hares
35. 2024.07013.CPCA.A0 FLOOD FORECASTING FOR REGULARIZED RIVER BASINS USING MACHINE-LEARNING TECHNIQUES
36. 2024.07024.CPCA.A1 Modelling the Statistical Distribution of n-grams in Large Natural Language Corpora
37. 2024.07028.CPCA.A0 GPU-accelerated immune cell disentanglement using SVMs and CNNs
38. 2024.07034.CPCA.A0 Monitoring vegetation losses over Portugal from Sentinel-2 imagery
39. 2024.07038.CPCA.A1 Data analysis of Whole Genome Resequencing large size datasets.
40. 2024.07039.CPCA.A0 PLAYSAFE4ALL – An Open Access Sports Management, Injury Surveillance, Prevention and Education Platform for Amateur Sports
41. 2024.07056.CPCA.A0 Simulation of Separation Processes using a stationary solid phase: fixed bed and membranes.
42. 2024.07066.CPCA.A0 BroadAlert: Automatic Generation of Distributed Algorithms for IoT with Machine Learning
43. 2024.07086.CPCA.A1 HYPER-SOLVER: Hybrid Parallel and Distributed Swarm and Evolutionary Robust Optimization Algorithms for Solving Large-Scale Nonlinear Equation Systems and High-Dimensional PDEs
44. 2024.07087.CPCA.A1 FAULTAGE: Generating Fault-Tolerant Consensus Algorithms with Reinforcement Learning
45. 2023.10382.CPCA.A1 Variation of fundamental constants – Constraining models beyond the Standard Model of Cosmology
46. 2023.10436.CPCA.A1 SpikeLig: Affinity ligands towards the SARS-CoV-2 spike protein
47. 2023.10445.CPCA.A1 Genome sequencing on Eurasian ancient and modern Human
48. 2023.10478.CPCA.A1 Thermodynamics of Clathrate Hydrates containing CO2
49. 2023.10635.CPCA.A1 Search for New Physics at the LHC
50. 2023.10743.CPCA.A1 Direct Optimization of Energetic Particles in Fusion Energy Devices
51. 2023.10781.CPCA.A1 Uncovering the Transport Mechanism of the Carboxylic Acid Transporters from Aspergillus niger
52. 2023.10782.CPCA.A1 The genomic ancestry of prehistoric human populations in Northern Portugal
53. 2023.11083.CPCA.A0 Computational Exploration of Large RNA Molecules through Molecular Dynamics Simulations
54. 2023.13303.CPCA.A0 “Reinforcement Learning for Vehicle Routing Problems with Time Windows
55. 2023.12001.CPCA.A1 Exploring Fundamental Molecular Processes in the Aggregation Inhibition of α-Synuclein: Study of Oligomers of the Full Protein and Truncated Variants
56. 2023.13974.CPCA.A1 Computational Exploration of Niobium-Containing Glasses: From Ab Initio Molecular Dynamics Simulations to NMR Parameter Analysis
57. 2023.14329.CPCA.A1 Paralelization of cpw2000
58. 2023.10894.CPCA.A1 Genome sequencing on Eurasian ancient and modern Human
59. 2023.10437.CPCA.A2 Computational Toolbox for Discovery of new Affinity Ligands
60. 2023.10452.CPCA.A2 Simulation of component dispersion in water – waterscd
61. 2023.10506.CPCA.A2 Simulation of gas-liquid and liquid-liquid flows in stirred systems
62. 2023.10526.CPCA.A2 Fundamental physics with neutron stars and their mergers

63. 2023.10584.CPCA.A2 Unveiling imidacloprid-aminoacids interactions by electronic-structure calculations – towards a pesticide adsorbing material
64. 2023.10649.CPCA.A2 ConfCof – How conformation and stacking influence electronic properties of Covalent Organic Frameworks. An ab-initio investigation.
65. 2023.10710.CPCA.A2 Optimizing MDR-Evading Drugs: Unveiling P-gp Transport Dynamics
66. 2023.10740.CPCA.A2 ComputReactors: Advanced computational design of novel chemical reactors
67. 2023.10811.CPCA.A2 Solvent-in-salt electrolytes for safe and efficient energy storage: Multiscale Theoretical Approach
68. 2023.10823.CPCA.A2 In silico design and optimization of peptides as biotechnological tools in the development of new cosmetic and pharmaceutical solutions
69. 2023.10857.CPCA.A2 Optical excitation of spin waves in 2D ferromagnets
70. 2023.10867.CPCA.A2 Journal of Data Science, Statistics, and Visualisation
71. 2023.10916.CPCA.A2 CaCau: Cancer Causality for Precision Oncology | Phase 2
72. 2023.11029.CPCA.A2 Effective string theory of flux tubes
73. 2023.10865.CPCA.A1 Secure Horizons: Transforming Healthcare with Federated Learning and Cloud Computing
74. 2023.10680.CPCA.A2 Investigations on Electrohydrodynamic Atomization: High-Fidelity Simulations of Taylor Cone Jet Atomization for Optimized Electrospray Processes
75. 2023.13332.CPCA.A0 iSTARS research platform for health data science
76. 2023.11060.CPCA.A1 Enhancing National Research Data Accessibility through Federated European Genome-phenome Archive
77. 2023.14342.CPCA.A1 Advanced Genomic Data Processing in Portuguese FEGA Node
78. 2023.10492.CPCA.A2 Capacity building in genomic epidemiology of viral threats through expansion of INSaFLU and training provision
79. 2023.10973.CPCA.A2 RePo-EfluxPump – Repurposing drugs to inhibit antibiotic efflux pumps.
80. 2023.10427.CPCA.A0 Simulation of neutral and stratified atmospheric flows for wind energy applications using OpenFOAM coupled with mesoscale model simulations
81. 2023.10485.CPCA.A0 WindSyn – Large scale wind data modelling, forecasting and synthetic generation
82. 2023.10664.CPCA.A0 Deep generative models for data augmentation in fault detection
83. 2023.10733.CPCA.A0 Unsteady Ventilation CFD simulation on test room
84. 2023.10769.CPCA.A0 NNx3D: Neural Networks and ion beam analysis techniques for 3D imaging
85. 2023.10672.CPCA.A0 CFD computation of the heat transfer and pressure loss coefficients for CORE type power transformer windings.
86. 2023.10667.CPCA.A0 New systems simulations for thermal energy storage

2023

1. FCT 2022-2024 (PTDC/BIA-EVL/4345/2021) HYBRIDOMICS: Can hybridization fuel adaptation and species response to environmental change? Genomics and proteomics of endemic Iberian freshwater fish.
2. Human Fronstier Science Program 2020-2024 (RGY0081/2020) Chance or curse? The consequences of hybridization in a changing world
3. PTDC/BIA-EVL/2398/2021): Deleterious and compensatory mutations and their role in evolutionary radiations.
4. 2021.00238.CEECIND/CP1672/CT0002
5. H2020-FETOPEN PURE Precisely Patterned Nanofibers for High Performance Bioseparations 899732 International 2020-10 2024-09 FCT NOVA Pure Project – Sustainable Bioseparations (pure-fetopen.eu) Coordinator
6. FCT-MCTES Project Grants PROTEIOS PROTEIOS - Materiais proteicos para sensorização não invasiva PTDC/CTM-CTM/3389/2021 National 2022-01 2025-01 FCT NOVA
7. H2020-ERC ENSURE ENSURE: Non-invasive follow-up of urinary tract cancers 101069405 International 2022-07 2023-12 FCT NOVA O
8. PRR HfPT Health from Portugal C630926586-00465198 National 2022-09 2025-12 FCT NOVA
9. Em busca de bacteriófagos para a bioconservação de alimentos e bebidas: uma nova abordagem para prevenir a deterioração por Alicyclobacillus spp. 2022.04043.PTDC
10. FCT: ExtremeOceans - Unravelling evolutionary physiology landscapes of coastal marine fauna under extreme temperatures using a multi-layer Systems Biology approach, ref. PTDC/BIA-BMA/1494/2020
11. FCT-DAAD: AQUATROPHYS - Marine molecular networks for sustainable fisheries and AQUAculture: modeling TROpical fish nutritional quality and PHYSiology under global change, ref. 2021.09718.CBM
12. Biodiversa+: EASMO: Eastern Tropical Pacific reef fish on the move: biodiversity reorganisation and societal consequences (BiodivClim 452, BiodivClim/0001/2019)DANUBIUS Implementation Phase Project (DANUBIUS-IP). Grant agreement ID: 101079778. Horizon Europe. Funded under Research infrastructures. DOI: 10.3030/101079778.
13. CONNECT - local Coastal monitoring service for Portugal. LNEC/MARE/FCUL/FCID. Mercartor Ocean International
14. SALMONLINK – Contribution of scientists and fishermen for the conservation and participated management of Atlantic salmon populations in Portugal (MAR-01.03.02-FEAMP-0048). Funded by Programa Operacional MAR2020
15. LIFE PREDATOR - PREvent, Detect and combAT the spread Of SiluRus glanis in south european lakes to protect biodiversity (LIFE21-NAT-IT-PREDATOR). Funded by LIFE Programme

16. MeroSW - Ação de repovoamento dirigida ao mero-legítimo na costa sudoeste. Funded by VIRIDIA Foundation
17. DiadSea - Transnational cooperation to improve the management and conservation of diadromous fish at sea (EAPA_0011/2022). Funded by Interreg Atlantic Area .
18. CEEC2020 - Development of Biocatalysts for Industrial Applications: From plastic degradation to the pharmaceutical chemistry 2020.01423.CEECIND - Individual CEEC - Investigador Auxiliar Level (FCT) 2021-2027
19. Brainplayback (EXPL/PSI-GER/0948/2021)
20. Title: " The effect of dual HER2 blockade on anti-tumor immune cells" Collaboration between iBET and IPOFG, funded by iNOVA4Health and IPOLFG.
21. BeONE (Building Integrative Tools for One Health Surveillance) project of the “One Health European Joint Program” funded by European Union’s Horizon 2020 Research and Innovation program under grant agreement No 773830 (https://onehealthejp.eu/projects/foodborne-zoonoses/jrp-beone)
22. TELE-Vir (https://onehealthejp.eu/projects/emerging-threats/jrp-tele-vir) project of the “One Health European Joint Program” funded by European Union’s Horizon 2020 Research and Innovation program under grant agreement No 773830 (https://onehealthejp.eu/projects/emerging-threats/jrp-tele-vir)
23. PathoGenSurveil project funded by national funds through FCT—Foundation for Science and Technology, I.P., in the frame of Individual CEEC 2022.00851.CEECIND/CP1748/CT0001
24. DURABLE - Delivering a Unified Research Alliance of Biomedical and public health Laboratories against Epidemics”(https://www.insa.min-saude.pt/category/projectos/durable; https://durableproject.org/). International project co-funded by the European Union on behalf of the EU4Health programme (“Project no. 101102733”)
25. GENEO - Sustainable use and integration of enhanced infrastructure into routine genome-based surveillance and outbreak investigation activities in Portugal (https://www.insa.min-saude.pt/category/projectos/geneo/). Project co-funded by the European Union, on behalf of the EU4Health programme (EU4H-2022-DGA-MS-IBA-1) (“Grant/2021/PHF/23776”) (“Project no. 101113460”).
26. CENTAUR - Creating and refining whole-genome and core-genome typing schemas for pathogen surveillance. International project co-funded by the European Union on behalf of the ISIDORe JRA programme (https://isidore-project.eu/) (“Project no. 101046133”).
27. "824093 - STRONG-2020 ";"The strong interaction at the frontier of knowledge:fundamental research and applications"
28. "CERN/FIS-INS/0013/2021";"Participation in the RD51 Collaboration at CERN"
29. "CERN/FIS-TEC/0017/2021";"ImprovingPT: Optimization, construction and first in-beam tests of range monitoring and quality assurance systems for the improvement of proton therapy"
30. "AI4EOSC";"Artificial Intelligence for the European Open Science Cloud"
31. "DT-GEO";"A Digital Twin for GEOphysical extremes"
32. "ESA: 4000137865/22/ES/JD";"Expert Suport to BERM & RADEM units"
33. "CERN/FIS-PAR/0010/2021";"Collaboration in the ATLAS experiment at CERN"
34. "CERN/FIS-COM/0018/2021";"Suporte para o tier-2 de ATLAS e CMS no contexto do WLCG MoU entre Portugal e o CERN"

35. "CERN/FIS-PAR/0023/2021";"Multiquarks structure - Nuclear Physics and Strong Interaction Group"
36. "CERN/FIS-PAR/0007/2021";"Colaboração na experiência AMS da estação espacial internacional para deteção de raios cósmicos de energia intermédia"
37. "CERN/FIS-PAR/0012/2021";"AugerEnhance_Upgrade of the measuring capabilities of the Pierre Auger Observatory"
38. "CERN/FIS-PAR/0035/2021";"PPatFCC_Participação Portuguesa no Futuro Colisionador Circular (FCC)"
39. "CERN/FIS-PAR/0005/2021";"Collaboration in the operation and physics data analysis at the CMS experiment at CERN"
40. "CERN/FIS-PAR/0014/2021";"DUNE - Calibration of ProtoDUNE-II at CERN"
41. "CERN/FIS-PAR/0009/2021";"RENASCER_Estudos de reações nucleares para Astrofísica Nuclear na instalação ISOLDE do CERN"
42. "CERN/FIS-INS/0028/2021";"LHC-SND_Participation in the SND@LHC experiment at CERN"
43. "PTDC/FIS-PAR/4300/2020";"SWGO: the wide-field gamma-ray observatory at the Southern hemisphere"
44. "PTDC/FIS-PAR/2679/2021";"Neutrinoless double beta decay search with the SNO+ experiment"
45. "PTDC/FIS-PAR/1214/2021";"Precision timining with forward protons at the HL-LHC"
46. "PTDC/FIS-MAC/2045/2021";"Excitações em materiais quânticos 2D/INL"
47. YoctoLHC ";"Yoctosecond imaging of QCD collectivity using jet observables" (835105)
48. "FARE";"Fake News and Real People – Using Big Data to Understand Human Behaviour" (853566)
49. interTwin (ID:101058386)";"An interdisciplinary Digital Twin Engine for science"
50. "iMagine";"Imaging data and services for aquatic science (Grant Agreement 101058625)"
51. "FARE_AUDIT";"Fake News Recommendations - an Auditing System of Differential Tracking and Search Engine Results" (101100653)
52. EuroCC 2";"National Competence Centres for High Performance Computing";"69902142"
53. EXPL/EME-NUC/1311/2021";"DLight: New Plastic Scintillators for Future Light-based Detectors"
54. RESETTING "Relaunching European Smart and sustainablE Tourism models Through digitalization and INnovative technoloGies". COSME PROGRAMME (EISMEA) UNDER GRANT AGREEMENT NO.101038190 2022.23037.CPCA.A0
55. 2022.26279.CPCA.A0
56. 2022.28046.CPCA.A0
57. 2022.38032.CPCA.A0
58. 2022.38089.CPCA.A0
59. 2022.38203.CPCA.A0
60. 2022.41755.CPCA.A0
61. 2022.42446.CPCA.A0
62. 2022.46814.CPCA.A0
63. 2022.55180.CPCA.A0
64. 2022.55201.CPCA.A0
65. 2022.56669.CPCA.A0
66. 2022.56778.CPCA.A0
67. 2022.57951.CPCA.A0

68. 2022.58205.CPCA.A0
69. 2022.59005.CPCA.A0
70. 2022.59037.CPCA.A0
71. 2022.59222.CPCA.A0
72. 2022.69797.CPCA.A0
73. 2022.72436.CPCA.A0
74. 2022.72694.CPCA.A0
75. 2022.73550.CPCA.A0
76. 2022.73688.CPCA.A0
77. 2022.74292.CPCA.A0
78. 2022.74481.CPCA.A0
79. 2022.75021.CPCA.A0
80. 2022.75114.CPCA.A0
81. 2022.75159.CPCA.A0
82. 2022.75198.CPCA.A0
83. 2022.75203.CPCA.A0
84. 2022.75218.CPCA.A0
85. 2022.75275.CPCA.A0
86. 2022.15610.CPCA.A1
87. 2022.15800.CPCA.A1
88. 2022.15852.CPCA.A1
89. 2022.15854.CPCA.A1
90. 2022.15880.CPCA.A1
91. 2022.15894.CPCA.A1
92. 2022.15912.CPCA.A1
93. 2022.15913.CPCA.A1
94. 2023.05206.CPCA.A1
95. 2023.08586.CPCA.A1
96. 2023.09536.CPCA.A1
97. 2023.09537.CPCA.A1
98. 2023.09549.CPCA.A1
99. 2023.09581.CPCA.A1
.00. 2023.09611.CPCA.A1
.01. 2022.15760.CPCA.A2
.02. 2022.15818.CPCA.A2
.03. 2022.15825.CPCA.A2
.04. 2021.09623.CPCA.A2
.05. 2021.435377.CPCA.A1
.06. 2021.00238.CEECIND/CP1672/CT0002
.07. C-SCALE - Copernicus - eoSC AnaLytics Engine. Horizon 2020. grant agreement No 101017529.
.08. EGI-ACE - EGI Advanced Computing for EOSC. Horizon 2020. grant agreement No. 101017567.
.09. GBIF - Global Biodiversity Information Facility. Infrastructure in the FCT roadmap.
.10. CoastNet - Portuguese Coastal Monitoring Network. Infrastructure in the FCT roadmap.

.11. biodata - distributed infrastructure for Life and Health data for Portugal. Infrastructure in the FCT roadmap.
.12. Polén - Polén Gestão de Dados de Investigação. Development of a research data repository for FCT.
.13. digitaltwin - Centro de Investigação em Ciências da Informação, Tecnologias e Arquitetura (ISCTE)
.14. dynapor - Modelo de micro simulação dinâmica para Portugal (ICS U.Lisbon)
.15. fct-fccn - Hosting of services for FCT.
.16. filhosmadrugada - projeto filhos da madrugada (FCSH)
.17. iscte-bdata - data science in business administration (ISCTE)
.18. iscte-cdsi - conception and development of information systems (ISCTE)
.19. iscte-cognition - Behavior, Emotion & Cognition (ISCTE)
.20. iscte-ml - research in machine learning (ISCTE)
.21. iscte-pai - research in scholar administration (ISCTE)
.22. ispa-dm - data mining in psicology (ISPA)
.23. junitec - image processing (Junior Enterprise IST)
.24. lnec-resccue - Climate Change Resilience Assessment Framework for Urban Areas (LNEC)
.25. mdeos-isos - Model Driven Open Systems (ISEL)
.26. Parlamento - investigação em Ciência Política através da computação (Nova SBE)
.27. spbotanica - Lista Vermelha da Flora Vascular de Portugal Continental
.28. uab-esbert - Universidade Aberta
.29. uc-aesop - Autonomic Service Operation (ISEC)
.30. uc-graphy - Graphy project (ISEC)
.31. uc-stream - Data stream (ISEC)
.32. ustreamsim - Integrated Modelling in Urban Systems and Streamflow Simulation in Rivers (LNEC)
.33. EOSC-Future - Advancing European research through Open Science. Horizon 2020. Grant Agreement Number 101017536.

2022

1. Chance or curse? The consequences of hybridization in a changing world" Human Frontier Science Program – Young Researcher Award (RGY0081/2020) de 2020-2023
2. Projecto "HYBRIDOMICS: Can hybridization fuel adaptation and species response to environmental change? Genomics and proteomics of endemic Iberian freshwater fish." Projecto SR&TD da FCT (PTDC/BIA-EVL/4345/2021) de 2022-2024.
3. ExtremeOceans - Unravelling evolutionary physiology landscapes of coastal marine fauna under extreme temperatures using a multi-layer Systems Biology approach, ref. PTDC/BIA-BMA/1494/2020
4. AQUATROPHYS - Marine molecular networks for sustainable fisheries and AQUAculture: modeling TROpical fish nutritional quality and PHYSiology under global change, ref. 2021.09718.CBM
5. CERN/FIS-PAR/0007/2021 Colaboração na experiência AMS da estação espacial internacional para deteção de raios cósmicos de energia intermédia
6. Fundação La Caixa - Inês Ochoa
7. CERN/FIS-PAR/0010/2021 Collaboration in the ATLAS experiment at CERN
8. CERN/FIS-PAR/0026/2021 C-ATLAS Upgrade 2021/23
9. CERN/FIS-PAR/0012/2021 AugerEnhance_Aprimoramento das capacidades de medição do Observatório Pierre Auger
10. CERN/FIS-PAR/0020/2021 UHECR@Auger_UHECR Physics with the Pierre Auger Observatory
11. UC/INOVC + / MonNest MonNest – Nest Monitoring
12. CERN/FIS-INS/0029/2021 Collaboration in the Phase 2 Upgrade of the CMS experiment at CERN
13. CERN/FIS-PAR/0005/2021 Collaboration in the operation and physics data analysis at the CMS experiment at CERN
14. PTDC/FIS-PAR/1214/2021 Precision timining with forward protons at the HL-LHC
15. PTDC/FIS-PAR/2831/2020 Participation in the LUX-ZEPLIN experiment
16. PTDC/FIS-NUC/3933/2021 NEXT: Detection of the neutrinoless Double Beta Decay in Xe-136-the NEXT experiment
17. LISBOA-01-0247-FEDER-045924 // POCI-01-0247-FEDER-045924 TPPT - Time of flight PET for Proton Therapy
18. EOSC-synergy grant 857647 Integrating and managing services for the European Open Science Cloud
19. EUROCC
20. EGI-ACE Implementing the European Open Science Cloud
21. EOSC-Future European Open Science Cloud - Expanding Capacities by Building Capabilities
22. interTwin (ID:101058386)
23. AI4EOSC Artificial Intelligence for the European Open Science Cloud

24. DT-GEO A Digital Twin for GEOphysical extremes
25. iMagine Imaging data and services for aquatic science (Grant Agreement 101058625)
26. EuroCC 2 National Competence Centres for High Performance Computing
27. INCD 01/SAICT/2016 - nº 022153 Infraestrutura Nacional de COmputação Distribuída
28. CERN/FIS-COM/0018/2021 Suporte para o tier-2 de ATLAS e CMS no contexto do WLCG MoU entre Portugal e o CERN
29. 4000136945 GLOSS GLOSS: Gamma-ray Laue Optics and Solid State detectors (PRODEX Experiment Arrangement No. 4000136945)
30. EXPL/FIS-PAR/0333/2021 Terrestrial Gamma-ray Flash Science and Monitoring for Aviation Safety
31. CERN/FIS-PAR/0014/2021 DUNE_Calibração de ProtoDUNE-II no CERN
32. PTDC/FIS-PAR/2679/2021 Neutrinoless double beta decay search with the SNO+ experiment
33. CERN/FIS-PAR/0023/2021 Nuclear Physics and Strong Interaction Group
34. EXPL/FIS-NUC/0364/2021 Short range CORelations on Exotic nuclei at R3B/FAIR using tRPCs
35. CERN/FIS-PAR/0009/2021 RENASCER_Estudos de reações nucleares para Astrofísica Nuclear na instalação ISOLDE do CERN
36. LISBOA-01-0247-FEDER-045904 TPPT - Time of flight PET for Proton Therapy
37. CERN/FIS-PAR/0016/2021 COMPASS/AMBER_Colaboração nas Experiências COMPASS e AMBER do CERN
38. 824093 - STRONG-2020 Nuclear Physics and Strong Interaction Group
39. 835105 - YoctoLHC Yoctosecond imaging of QCD collectivity using jet observables
40. CERN/FIS-PAR/0032/2021 THbridgeEXP-II_A ponte entre Teoria e Experiência: Fenomenologia de Colisionadores (II)
41. PTDC/FIS-MAC/2045/2021 Excitações em materiais quânticos 2D/INL
42. CERN/FIS-COM/0004/2021 QML-HEP_Explorando a aprendizagem de máquina quântica como uma ferramenta para colisionadores de altas energias presentes e futuros
43. FARE (ERC) EC grant 853566 Fake News and Real People
44. ESA: 1-7560/13/NL/HB RADEM proto-flight model
45. ESA: 4000137865/22/ES/JD Expert Suport to BERM & RADEM units
46. PTDC/FIS-PAR/4300/2020 SWGO: the wide-field gamma-ray observatory at the Southern hemisphere
47. Sea2See (PTDC/BII-BIO/28878/2017)
48. Proteios (PTDC/CTM-CTM/3389/2021)
49. The MARVEN Project – The Portuguese biotechnological database for marine animal venoms and toxins (FA_05_2017_007) Date: 2019 -2022
    - Funding agency: Fundo Azul, Portugal
    - Budget: 200,000 EUR
    - Subjects: Toxins; Drug discovery; Omics; Marine natural products; Research-Industry crosstalk
50. WormALL– Marine invertebrates as source of novel biotoxins: Investigating function and application through Polychaeta venomics (PTDC/BTA-BTA/28650/2017)
    - Date: 2018 -2022
    - Funding agency: FCT, Portugal
    - Budget: 240,000 EUR

- Subjects: Drug discovery; Toxins; Omics; Marine Biotechnology

51. DNA barcoding aromatic, medicinal, and condiment plants from Portugal (PTDC/ASP-HOR/31074/2017)
52. Devising strategies to detect, reduce and eliminate taint-producing Alicyclobacillus spp. in food products
53. UIDB/04378/2020, Applied Molecular Biosciences Unit;
54. PTDC/QUI-QFI/31689/2017, RDB-TS: A reaction database for transition state information from quantum chemical calculations;
55. PTDC/ASP-AGR/30154/2017, Biopesticides and Food Preservatives from Nanoencapsulated Plant Extracts: Biological Evaluation, Molecular Modelling and Synthesis;
56. 2020.01423.CEECIND, Development of Biocatalysts for Industrial Applications: From plastic degradation to the pharmaceutical chemistry
57. No. 899732 (PURE Project, FET-Open)

2021

New FCT and international funded projects supported by INCD in 2021.

1. PTDC/BIA-EVL/1100/2020
   - "Harnessing comparative genomics to understand the role of horizontal acquired genes in the evolution of yeast metabolism"
2. POCI-01-0247-FEDER-039890
   - GIIP - Gestão inteligente de infraestuturas portuárias (POCI-01-0247-FEDER-039890 - GIIP - Gestão Inteligente de Infraestruturas Portuárias)
3. Portal de dados da Lista Vermelha da Flora Vascular de Portugal Continental
   - URL: https://lvf.flora-on.pt/
4. Flora-On – Flora de Portugal Interactiva
   - URL: https://flora-on.pt/ (over 1 million access over 200.000 users)
5. DSAIPA/DS/0102/2019
   - Debaqi: fatores para a promoção do diálogo e comportamentos saudáveis em comunidades escolares online
6. PTDC/PSI-GER/31943/2017
   - Paterson Prototyping medical acoustic environments for the design of new auditory warning signals
7. UIDB/04378/2020
   - Applied Molecular Biosciences Unit;
8. PTDC/QUI-QFI/31689/2017
   - RDB-TS: A reaction database for transition state information from quantum chemical calculations;
9. PTDC/ASP-AGR/30154/2017
   - Biopesticides and Food Preservatives from Nanoencapsulated Plant Extracts: Biological Evaluation, Molecular Modelling and Synthesis;
10. 2020.01423.CEECIND
    - Development of Biocatalysts for Industrial Applications: From plastic degradation to the pharmaceutical chemistry
11. PTDC/BIA-BMA/1494/2020
    - ExtremeOceans - Unravelling evolutionary physiology landscapes of coastal marine fauna under extreme temperatures using a multi-layer Systems Biology approach
12. FA_05_2017_007
    - The MARVEN Project – The Portuguese biotechnological database for marine animal venoms and toxins
13. PTDC/BTA-BTA/28650/2017
    - WormALL– Marine invertebrates as source of novel biotoxins: Investigating function and application through Polychaeta venomics
14. 2021.07128.BD

- Rational Development of Nanomedicines for Cardiovascular Diseases.

15. 2020.09087.BD
    - In Silico Optimization of Biocatalysts for Plastic Biodegradation.
16. SFRH/BD/147276/2019
    - Development of biocidal formulations for effective biofouling control.
17. SFRH/BD/136594/2018
    - Innovative approach to fight tuberculosis and malaria targeting the extraordinary PLP synthase macromolecular complex.
18. SFRH/BD/137844/2018
    - New Drugs Against Biofilm Formation and Development: a Computational and Experimental Approach.
19. SFRH/BD/136746/2018
    - Rational development of new biocatalysts for the production of Parkinson Disease Drugs.
20. PD/BD/128032/2016
    - Novel insights on the interaction of lactoferrin with proton pumping ATPases towards understanding its antifungal and anticancer activities
21. SFRH/BD/115396/2016
    - Computational studies addressed to PLP-Dependent enzymes
22. SFRH/BD/114886/2016
    - Computational studies addressed to multifunctional enzyme complexes
23. PTDC/ASP-HOR/31074/2017
    - DNA barcoding aromatic, medicinal, and condiment plants from Portugal
24. Devising strategies to detect, reduce and eliminate taint producing Alicyclobacillus spp. in food products 2020.08210.BD
    - Tecnologias Agrárias e Alimentares Portugal Universidade Nova de Lisboa
25. PTDC/EME-REN/30866/2017
    - Harbour protection with dual chamber oscillating water column devices (HARBOUR OWC)
26. CERN/FIS-PAR/0033/2019
    - ATLAS Upgrade 2019/20
27. CERN/FIS-PAR/0002/2019
    - Collaboration in the ATLAS experiment at CERN (2019-2021)
28. CERN/FIS-PAR/0010/2021
    - Collaboration in the ATLAS experiment at CERN (2021-2023)
29. CERN/FIS-PAR/0026/2021
    - C-ATLAS Upgrade 2021/23
30. CERN/FIS-INS/0032/2019
    - Collaboration in the operation and physics data analysis at the CMS experiment at CERN
31. CERN/FIS-PAR/0025/2019
    - Collaboration in the operation and physics data analysis at the CMS experiment at CERN
32. CERN/FIS-INS/0029/2021
    - Collaboration in the Phase 2 Upgrade of the CMS experiment at CERN
33. PTDC/FIS-PAR/1214/2021

- Precision timining with forward protons at the HL-LHC

34. CERN/FIS-PAR/0005/2021
    - Collaboration in the operation and physics data analysis at the CMS experiment at CERN
35. 824093 - STRONG-2020
    - The strong interaction at the frontier of knowledge:fundamental research and applications
36. 835105 - YoctoLHC
    - Yoctosecond imaging of QCD collectivity using jet observables
37. CERN/FIS-PAR/0029/2019
    - Estudos fenomenológicos em LHC na fisica de quarks top e bosões de Higgs
38. CERN/FIS-PAR/0024/2019
    - Bridging Theory and Experiment: Collider Phenomenology
39. CERN/FIS-PAR/0010/2019
    - Methods for Understanding Strong Interactions with Quarkonia
40. CERN/FIS-PAR/0037/2021
    - TopHiggsPheno - Estudos Fenomenologicos em LHC na Fisica de Quarks Top e Bosões de Higgs
41. EXPL/FIS-PAR/0905/2021
    - TopHiggsPheno - Estudos Fenomenologicos em LHC na Fisica de Quarks Top e Bosões de Higgs
42. EXPL/FIS-PAR/1195/2021
    - The Strong force and multiparticle dynamics at hadron colliders
43. CERN/FIS-PAR/0032/2021
    - The Strong force and multiparticle dynamics at hadron colliders
44. CERN/FIS-PAR/0022/2019
    - Collaboration in the COMPASS and AMBER experiments at CERN
45. CERN/FIS-PAR/0016/2021
    - COMPASS/AMBER_Colaboração nas Experiências COMPASS e AMBER do CERN
46. IF/00898/2015
    - Expl. 2015_VL - IF/00898/2015_Multiquarks
47. CERN/FIS-PAR/0023/2021
    - Nuclear Physics and Strong Interaction
48. CERN/FIS-PAR/0013/2019
    - Collaboration in the International Space Station Experiment AMS for the detection of intermediate energy cosmic rays
49. CERN/FIS-PAR/0007/2021
    - AMS-LIP_Colaboração na experiência AMS da estação espacial internacional para deteção de raios cósmicos de energia intermédia
50. CERN/FIS-PAR/0034/2019
    - Enhancement of the measurement capabilities of the Pierre Auger Observatory
51. CERN/FIS-PAR/0031/2019
    - UHECR Physics with the Pierre Auger Observatory
52. CERN/FIS-PAR/0012/2021
    - AugerEnhance_Aprimoramento das capacidades de medição do Observatório Pierre Auger

53. CERN/FIS-PAR/0020/2021
    - UHECR@Auger_UHECR Physics with the Pierre Auger Observatory
54. PTDC/FIS-PAR/29158/2017 and POCI/01-0145-FEDER-029158
55. LATTES: an innovative detector for very high energy gamma ray astrophysics in the southern hemisphere
56. PTDC/FIS-PAR/4300/2020 SWGO: the wide-field gamma-ray observatory at the Southern hemisphere
57. IF/00248/2015/CP1311/CT0001 Expl. 2015_VL - IF/00248/2015/CP1311/CT0001
58. CERN/FIS-PAR/0012/2019 Underground Neutrino Physics: Participation in the DUNE and SNO+ experiments
59. CERN/FIS-PAR/0014/2021 DUNE_Calibração de ProtoDUNE-II no CERN
60. CERN/FIS-PAR/0014/2021 DUNE_Calibração de ProtoDUNE-II no CERN
61. ESA: 1-7560/13/NL/HB
    - RADEM proto-flight model
62. INCD 01/SAICT/2016
    - Infraestrutura Nacional de COmputação Distribuída
63. EOSC-hub EC grant 777536
    - Integrating and managing services for the European Open Science Cloud
64. EOSC-synergy EC grant 857647
    - European Open Science Cloud - Expanding Capacities by Building Capabilities
65. EGI-ACE EC
    - Implementing the European Open Science Cloud
66. FARE (ERC) EC grant 853566
    - Fake News and Real People
67. PTDC/FIS-PAR/29147/2017 and POCI/01-0145-FEDER-029147
    - BigDataHEP: Understanding Big Data in High Energy Physics: finding a needle in many haystacks
68. PTDC/FIS-MAC/2045/2021
    - Excitações em materiais quânticos 2D/INL
69. CERN/FIS-COM/0004/2021
    - QML-HEP_Explorando a aprendizagem de máquina quântica como uma ferramenta para colisionadores de altas energias presentes e futuros
70. EXPL/FIS-OUT/1185/2021
    - Muography as a new tool for geophysics
71. PTDC/CCI-COM/30142/2017 AQUAMON: Monitorização Confiável em Ambientes Aquáticos com Redes de Sensores sem Fios
72. ANI Sinergea Sistema inteligente para apoio ao uso eficiente de recursos e à gestão de emergências de inundação e de contaminação balnear em cidades osteiras
73. PTDC/CTA-AMB/28909/2017 MOSAIC.pt - Análise do risco de inundação costeira a partir de múltiplas fontes para comunidades seguras e desenvolvimento sustentável

Supported Projects

2020

New FCT and international funded projects supported by INCD in 2020.

1. FA_05_2017_007
   - **"The MARVEN Project – The Portuguese biotechnological database for marine animal venoms and toxins"**
   - Funding agency: Fundo Azul, Portugal
2. PTDC/BTA-BTA/28650/2017
   - **WormALL– Marine invertebrates as source of novel biotoxins: Investigating function and application through Polychaeta venomics (PTDC/BTA-BTA/28650/2017)**
   - Funding agency: FCT, Portugal
3. PTDC/MAR-BIO/0113/2014
   - **"GreenTech–Of pigments and toxins: an integrative approach to the biotechnological potential of a marine polychaete"**
   - Funding agency: FCT, Portugal
4. E-SiCure2
   - **Enhancing Security at Borders and Ports (E-SiCure2)**
   - Funded by: NATO (Science for Peace and Security Programme)
5. PTDC/FIS-PAR/31000/2017
   - **From Higgs Phenomenology to the Unification of Fundamental Interaction**
   - Funding agency: FCT, Portugal
6. PTDC/FIS-AST/3041/2020
   - **Testando a hipótese de Kerr com ondas e lentes gravitacionais**
   - Funding agency: FCT, Portugal
7. 03/SAICT/2015
   - **ONEIDA - An OMICS Network to Prevent and Control Infectious Diseases and Antimicrobial Resistance**
   - Funding agency: FCT,
8. CAMELOT: autonomiC plAtform for MachinE Learning using anOnymized data
   - PortugalProjecto CMU|Portugal Camelot
9. PTDC/BIA-MIC/29529/2017
   - **"Exploring unique metabolic traits of biotechnological interest in fructophilic yeasts"**
   - Funding agency: FCT,
10. . PTDC/CTA-AMB/28909/2017
    - **MOSAIC.pt Análise do risco de inundação costeira a partir de múltiplas fontes para comunidades seguras e desenvolvimento sustentável**
    - Funding agency: FCT,
11. POCI-01-0247-FEDER-024541

- **PRODUTECH-SIF: Soluções para a Indústria de Futuro**
- COMPETE2020

12. PTDC/BIA-MIC/30785/2017
    - **Advancing Wine Yeast Genomics - WYG**
    - Funding agency: FCT
13. PTDC/BIA-MIC/32059/2017
    - **Abordagens omicas para a exploração industrial de Torulaspora delbrueckii: elucidação das bases moleculares de fenótipos complexos**
    - Funding agency: FCT
14. Programa de monitorização dos fatores biológicos e ecológicos aquáticos no rio Mondego na envolvente da Central Termoelétrica de Lares
    - Funding agency: EDP
15. Monitorização Biológica da Frente Ribeirinha de Lisboa
    - Funding agency: CML
16. Monitorização da frente ribeirinha e respectivas comunidades biológicas e das atividades de pesca com xávega e ganchorra na zona costeira do Concelho de Almada.
    - Funding agency: CMA
17. Estado atual das populações de amêijoa-japonesa da Ria de Aveiro, lagoa de Óbidos e estuários do Tejo e Sado – bases científicas para uma gestão sustentável do recurso - NIPOGES
18. Co-Operation for Restoring Cockle Shellfisheries & its Ecosystem-Services in the Atlantic Area – COCKLES.
    - Funding agency: Interrreg Atlântico
19. Promover a Gestão Concertada e Sustentável da Enguia na Área SUDOE-SUGOANG
    - Funding agency: Interrreg Atlântico
20. Melhorar e complementar os critérios de classificação do estado das massas de água de transição e costeiras - MESCLA
    - Funding agency: APA-POSEUR
21. Innovation in the Framework of the Atlantic Deep Ocean (iFADO)
    - Funding agency: Interrreg Atlântico
22. Caracterização geral das águas aquícolas para estabelecimento de culturas marinhas - AQUIMAR
    - Funding agency:
23. Dynamics of phytoplankton community through remote sensing: an assessment of eutrophication process and environmental quality - Phytotroph
    - Funding agency:FCT
24. Assessing and enhancing ecosystem services provided by diadromous fish in a climate change context - DiadES
    - Funding agency: Interreg Atlântico
25. Estudo integrado da dinâmica dos movimentos migratórios da corvina Argyrosomus regius - MIGRACORV
    - Funding agency:FCT
26. Effects of antropogenic noise on Fish fitness - FISHNOISE
    - Funding agency:FCT
27. Sistemas de informação e monitorização da biodiversidade marinha das Áreas Classificadas do Sudoeste Alentejano e Costa Vicentina - MARSW

- Funding agency: POSEUR

28. Plano Operacional de Monitorização e Gestão de Peixes Anádromos em Portugal – AN@DROMOS
    - Funding agency:
29. FReshwater fish Invasions RisK assessment: identify invasion routes - FRISK
    - Funding agency: FCT
30. PTDC/EME-REN/30866/2017 (FCT)
    - Harbour protection with dual chamber oscillating water column devices
    - Funding agency: FCT
31. PTDC/AAG-MAA/6899/2014
    - "UBEST - Understanding the biogeochemical buffering capacity of estuaries relative to climate change and anthropogenic inputs"
32. EOSC-synergy grant 857647
    - "European Open Science Cloud – Expanding Capacities by Building Capabilities"
33. EOSC-hub grant agreement No. 777536
34. AQUAMON – A dependable monitoring platform based on wireless sensor networks for water environments
    - Funding agency: FCT
35. UBEST: Understanding the biogeochemical buffering capacity of estuaries relative to climate change and anthropogenic inputs
    - Funding agency: FCT
36. INLEX - Infragravity waves on tidal inlets under extreme conditions
    - Funding agency: FCT
37. WADI Innovative Airborne Water Leak Detection Surveillance Service
    - Funding agency: Horizon 2020 Programme under grant agreement No. 689239
38. RESCCUE RESilience to cope with Climate Change in Urban arEas – a multisectorial approach focusing on water
    - H2020 Grant Agreement Number: 700174
39. FISH-DNA-SCAN “Cutting-edge DNA-based approaches for improved monitoring and management of fisheries resources along Magellan-Elcano's Atlantic route”
    - funded by FCT: 2020-2022.
40. NIS-DNA “Early detection and monitoring of non-indigenous species (NIS) in coastal ecosystems based on high-throughput sequencing tools”
    - funded by FCT: 2019-2021
41. PTDC/BIA-EVL/28565/2017. OCEANTREE – Mechanisms of reproductive allochrony in endemic Portuguese seabirds: implications for population divergence and response to climate change.
    - funded by FCT
42. A Management Framework for Consolidated Big Data and HPC BigHPC 04/SI/2019
43. RADEM proto-flight model ESA: 1-7560/13/NL/HB
44. aAmuse - advanced Muon Campus in US and Europe contribution aAmuse - Project 101006726
45. Designing and Enabling E-Infrastructures for intensive Processing in a Hybrid DataCloud DEEP-HybridDataCloud - Grant 777435
46. Integrating and managing services for the European Open Science Cloud EOSC-hub grant 777536

47. European Open Science Cloud – Expanding Capacities by Building Capabilities EOSC-synergy grant 857647
48. Innovating and Widening the HPC use and skills base EUROCC
49. Implementing the European Open Science Cloud EGI-ACE
50. EOSC-Future EOSC-Future
51. The strong interaction at the frontier of knowledge:fundamental research and applications 824093 - STRONG-2020
52. Yoctosecond imaging of QCD collectivity using jet observables 835105 - YoctoLHC Grant Agreement 853566 FARE - Fake News and Real People (ERC)
53. Collaboration in the International Space Station Experiment AMS for the detection of intermediate energy cosmic rays CERN/FIS-PAR/0013/2019
54. ATLAS Upgrade 2019/20 CERN/FIS-PAR/0033/2019
55. Collaboration in the ATLAS Experiment at CERN: Data Taking and Analysis CERN/FIS-PAR/0002/2019
56. UHECR Physics with the Pierre Auger Observatory CERN/FIS-PAR/0031/2019
57. Collaboration in the Phase 2 Upgrade of the CMS experiment at CERN CERN/FIS-INS/0032/2019
58. Collaboration in the operation and physics data analysis at the CMS experiment at CERN CERN/FIS-PAR/0025/2019
59. Participation in the RD51 Colaboration (Gaseous Detectors R&D) CERN/FIS-INS/0025/2017 (Gaseous Detectors R&D)
60. Participation in RD51 - GD CERN/FIS-INS/0025/2017 - GD
61. Participação em colaboração RD51 no CERN para desenvolvimento de detectores de partículas em microestruturas CERN/FIS-INS/0026/2019 (Gaseous Detectors R&D)
62. Portuguese National Distributed Computing Infrastructure INCD 01/SAICT/2016 - nº 022153
63. LATTES: an innovative detector for very high energy gamma ray astrophysics in the southern hemisphere PTDC/FIS-PAR/29158/2017
64. SWGO: the wide-field gamma-ray observatory at the Southern hemisphere PTDC/FIS-PAR/4300/2020
65. Underground Neutrino Physics: Participation in the DUNE and SNO+ experiments CERN/FIS-PAR/0012/2019
66. PORTUGAL at ISOLDE CERN/FIS-PAR/0005/2017 Collaboration in the COMPASS and AMBER experiments at CERN CERN/FIS-PAR/0022/2019
67. Jets as quark gluon plasma probes CERN/FIS-PAR/0022/2017
68. Heavy Quarkonium production in hadronic interactions at LHC and AFTER@LHC CERN/FIS-PAR/0015/2017
69. Estudos fenomenológicos em LHC na fisica de quarks top e bosões de Higgs CERN/FIS-PAR/0029/2019
70. Bridging Theory and Experiment: Collider Phenomenology CERN/FIS-PAR/0024/2019
71. Methods for Understanding Strong Interactions with Quarkonia CERN/FIS-PAR/0010/2019
72. BigDataHEP: Understanding Big Data in High Energy Physics: finding a needle in many haystacks PTDC/FIS-PAR/29147/2017, POCI/01-0145-FEDER-029147
73. TELE-VIR https://onehealthejp.eu/jrp-tele-vir/
    - projecto internacional co-financiado pela Comissão Europeia no âmbito da identificação e caracterização de vírus que constituem uma ameaça para os seres

humanos

74. Genetic diversity of the novel coronavirus SARS-CoV-2 (COVID-19) in Portugal (https://insaflu.insa.pt/covid19/)
    - projecto co-financiado pela FCT e Agência de Investigação Clínica e Inovação Biomédica âmbito da primeira "call" Research 4 COVID-19.
75. Monitoring the integrity and genetic evolution of SARS-CoV-2 during infection, to support clinical and public health decision - projecto co-financiado pela FCT e
    - Agência de Investigação Clínica e Inovação Biomédica âmbito da segunda "call" Research 4 COVID-19.
76. "TraSyph - Tracing the Treponema pallidum genetic footprints associated with syphilis outcomes and stages"
    - projecto financiado pela European Society of Clinical Microbiology and Infectious Diseases (ESCMID)
77. GIIP - Gestão inteligente de infraestuturas portuárias (POCI-01-0247-FEDER-039890 - GIIP - Gestão Inteligente de Infraestruturas Portuárias)
78. Projecto financiado POSEUR-03-2215-FC-000013 - Lista Vermelha da Flora Vascular de Portugal Continental
    - Coordenação do projecto: Sociedade Portuguesa de Botânica, Associação Portuguesa de Ciência da Vegetação – PHYTOS, em parceria com o Instituto da Conservação da Natureza e das Florestas, I.P.
79. barcodingPTplants: DNA barcoding aromatic, medicinal, and condiment plants from Portugal
    - FCT: PTDC/ASP-HOR/31074/2017

Supported Projects

2019

New FCT and international funded projects supported by INCD in 2019.

1. UID/BIA/00329/2013 **"CENTRE FOR ECOLOGY, EVOLUTION AND ENVIRONMENTAL CHANGES"**
2. Marie-Sklodowska Curie action MAPGenome (no. 799729) **"MAPGenome: Mapping migration and adaptation in genomes"**
3. PTDC/MHC-PSO/1044/2014 **"Cognição de equipas, adaptação e sistemas multi-equipas em ambientes dinâmicos"**
4. PTDC/AAG-MAA/6899/2014
   - **"UBEST - Understanding the biogeochemical buffering capacity of estuaries relative to climate change and anthropogenic inputs"**
5. PTDC/EEI-ESS/1189/2014
   - **"Data Science for Non-Programmers"**
6. POCI-01-0145-FEDER-016759
   - **"Intensificação do processo de produção e valorização de microalgas"**
7. DSAIPA/AI/0087/2018
   - **"Identifying and Predicting Emergency Admissions"**
8. DATACOR POCI-01-0145-FEDER-030256
   - **"dados inteligentes para desenhar inibidores de corrosão"**
9. EOSC-synergy grant 857647
   - **"European Open Science Cloud – Expanding Capacities by Building Capabilities"**
10. CENTRO-01-0145-FEDER-31002
    - **SILVIA - Modeling the synthesis of silica materials via multiscale computer simulations**
11. PTDC/FIS-MAC/32229/2017
    - **NA
12. AESOP P2020 - 31/SI/2017
    - **Criação de plataforma de orquestração micro serviços baseada em métricas de QoS** *
13. LISBOA-01-0145-FEDER-007660
    - **Microbiologia Molecular, Estrutural e Celular** *
14. UID/QUI/50006/2019
    - **Cálculo computacional utilizando Dinâmica Molecular Clássica & Metadynamics: cadeias de DNA, clatratos de gelo, líquidos iónicos**
15. UID/CCI/4667/2019
    - **NA**
16. STRONG 2020 The strong interaction at the frontier of knowledge:fundamental research and applications

17. H2020 | YoctoLHC Yoctosecond imaging of QCD collectivity using jet observables
18. H2020 | AMVA4NewPhysics - 675440 Advanced Multi-Variate Analysis for New Physics Searches at LHC
19. CERN/FIS-INS/0025/2017 | Participation in the RD51 Collaboration at CERN
20. CERN/FIS-INS/0032/2019 | Collaboration in the Phase 2 Upgrade of the CMS experiment at CERN
21. CERN/FIS-PAR/0002/2019 | Collaboration in the ATLAS Experiment at CERN: Data Taking and Analysis
22. CERN/FIS-PAR/0005/2017 | PORTUGAL at ISOLDE
23. CERN/FIS-PAR/0006/2017 | Collaboration in the CMS experiment at CERN
24. CERN/FIS-PAR/0007/2017 | Collaboration in the COMPASS experiment at CERN
25. CERN/FIS-PAR/0008/2017 | Collaboration in the ATLAS experiment
26. CERN/FIS-PAR/0022/2017 | Jets as quark gluon plasma probes
27. CERN/FIS-PAR/0023/2017 | Participação portuguesa no Observatório Pierre Auger
28. ESA: 1-7560/13/NL/HB | RADEM proto-flight model
29. PTDC/FIS-PAR/29147/2017 | igDataHEP: Understanding Big Data in High EnergyPhysics: finding a needle in many haystacks
30. PTDC/FIS-PAR/29158/2017 | LATTES: an innovative detector for very high energy gamma ray astrophysics in the southern hemisphere

2018

New FCT and international funded projects supported by INCD in 2018.

1. POCI-01-0145-FEDER-007679
   - **"CICECO-INSTITUTO DE MATERIAIS DE AVEIRO"**
2. PTDC/AGR-TEC/1191/2014
   - **"DEEPBIOREFINERY"**
3. H2020-EU.3.2.6 (668970)
   - **"PROcesses for Value added fibres by Innovative Deep Eutectic Solvents"**
4. PIAAC-AMAL
   - **"Elaboração do Plano Intermunicipal de Adaptação às Alterações Climáticas da AMAL"**
5. LISBOA-01-0145-FEDER-030895
   - **"INTERGEN : Inovação de GWAS em cancro da mama através da integração de genómica funcional "**
6. PTDC/EEI-SII/4698/2014
   - **"Human-aware service robots for domestic environments"**
7. CoastNet
   - **"Portuguese Coastal Monitoring Network"**
8. BINGO EC Grant 641739
   - **"BINGO A better furutre under CLIMATE CHANGE"**
9. EOSC-hub EC grant 777536
   - **"EOSC-hub"**
10. DEEP-HybridDataCloud - EC Grant 777435
    - **"DEEP-Hybrid-DataCloud"**
11. PTDC/FIS-PAR/29158/2017
    - **"LATTES: an innovative detector for very high energy gamma ray astrophysics in the southern hemisphere"**
12. PTDC/FIS-NUC/0640/2014 Participação portuguesa na experiência de física de neutrinos SNO+
13. PTDC/FIS-NUC/0640/2014 Participação portuguesa na experiência de física de neutrinos SNO+
14. PTDC/FIS-NUC/1525/2014 Direct Detection of Dark Matter: Participation in the LUX-ZEPLIN and LUX Experiments
15. PTDC/FIS-NUC/2525/2014 Detection of the Neutinoless Double Beta Decay in Xe-136: the NEXT Experiment
16. PTDC/FIS-PAR/28567/2017 Participation in dark matter experiments LZ
17. PTDC/FIS-PAR/29147/2017 BigDataHEP: Understanding Big Data in High Energy Physics: finding a needle in many haystacks

2017

New FCT and international funded projects supported by INCD in 2017.

- P2020-PTDC/BIM-MED/0075/2014
  - **"Mechanisms underlying hemogenic induction in human fibrobalsts"**
- NORTE-01-0246-FEDER-000014
  - **"DESVENDAR - DEScobrir, VENcer as Doenças rARas"**
- PTDC/BEX-BID/5410/2014
  - **"TIMING CELL DIFFERENTIATON: Gene Regulatory Network in Temporal Control of Mesoderm Specification"**
- SFRH/BPD/109685/2015
  - Bolsa de Doutoramento
- SFRH/BPD/104544/2014
  - Bolsa de Doutoramento
- PTDC/DTP-FTO/4973/2014
  - **"Desenvolvimento de antídotos para intoxicações por Amanita phalloides, do in silico ao doente intoxicado"**
- P2020-PTDC/EMS-ENE/5742/2014
  - **"UNsteaDy boUndary LAyer flow coNTrol using plasma actuators of Next generation"**
- SFRH/BD/92277/2013
  - Bolsa de doutoramento
- INCD 01/SAICT/2016 - nº 022153
  - **"INCD Infraestrutura Nacional de Computação Distribuida"**
- CERN/FIS-PAR/0008/2017
  - **"Collaboration in the ATLAS Experiment2**
- CERN/FIS-PAR/0007/2017
  - **"Collaboration in the COMPASS Experiment at CERN"**
- CERN/FIS-PAR/0006/2017
  - **"Collaboration in the CMS experiment at CERN"**
- CERN/FIS-PAR/0005/2017
  - **"PORTUGAL AT ISOLDE : Materials and Nuclear Physics Research with Radioactive Isotopes and Techniques"**
- CERN/FIS-PAR/0020/2017
  - **"Collaboration in the International Space Station experiment AMS for the detection of intermediate energy cosmic rays"**
- CERN/FIS-PAR/0022/2017
  - **"Probing Quark Gluon Plasma with jets"**
- CERN/FIS-PAR/0023/2017
  - **"PORTUGUESE PARTICIPATION IN THE PIERRE AUGER OBSERVATORY"**

- CERN/FIS-PAR/0027/2017
  - **"Prospective study for the Portuguese participation in CERN's Future Circular Collider"**
- CERN/FIS-PAR/0034/2017
  - **"Phenomenological Studies at the LHC"**
- CERN/FIS-INS/0025/2017
  - *"**Participation in the RD51 Colaboration**"
- IF/00248/2015/CP1311/CT0001
  - Individual project
- IF/00863/2013/CP1172/CT0006
  - Individual project
- PTDC/FIS-NUC/0640/2014
  - **"Portuguese Participation in the SNO+ Neutrino Physics Experiment"**
- ESA: 1-7560/13/NL/HB
  - **"RADEM proto-flight model"**
- ESA/4000115004/15/NL/RA/ZK
  - **"Flight Data Analysis of TDP8 Radiation Experiments On-board AlphaSat"**
- PTDC/FIS-PAR/28567/2017
  - **"Participation in dark matter experiments LZ"**
- PTDC/FIS-PAR/29147/2017
  - **"BigDataHEP: Understanding Big Data in High Energy Physics: finding a needle in many haystacks"**
- MELOA EC grant 776825
  - **"MELOA: Multi-purpose/Multi-sensor Extra Light Oceanography Apparatus"**

Supported Institutions

Supported institutions per number of activities.

Supported Institutions

2023

Supported Institutions

2022

Ensino Superior

Institution	Number of different groups
Faculdade de Ciências da Universidade de LisboaCUL	3
Universidade de Aveiro	1
Instituto Superior Técnico (IST)	2
Escola Nacional de Saúde Pública (ENSP)	1
Iscte - Instituto Universitário de Lisboa	3
Universidade Aberta	2
Universidade do Minho	1
Universidade Nova de Lisboa	3
Ispa	1
UALG	2
Faculdade de Medicina do Porto	1
ISEC	3

Instituições Privadas sem Fins Lucrativos (IPSFL)

Institution	Number of different groups
LIP	16
CNC Centro de Neurociências e Biologia Celular	2
CIIMAR	1
UCIBIO	5

Institution	Number of different groups
REQUINTE	1
IBET	1
Centre for Ecology, Evolution and Environmental Changes - cE3c	2
CENTEC	2
Bioisi	1
Instituto de Plasmas e Fusão Nuclear - IPFN	1
MARE Centro de Ciências do Mar e do Ambiente - Lisboa	1

Estado

Institution	Number of different groups
LNEC	3
INSA	1

Setor Empresas

Institution	Number of different groups
DEIMOS	1
WAVECOM	1

Supported Institutions

2021

Ensino Superior

Institution	Number of different groups
Faculdade de Ciências da Universidade de LisboaCUL	4
Universidade de Aveiro	1
Instituto Superior Técnico (IST)	2
Escola Nacional de Saúde Pública ENSP)	1
Iscte - Instituto Universitário de Lisboa	3
Universidade Aberta	2
Universidade do Minho	2
Universidade Nova de Lisboa	3
Ispa	1
UALG	3
Universidade do Porto (UP)	1
Faculdade de Medicina do Porto	1
ISEC	3

Instituições Privadas sem Fins Lucrativos (IPSFL)

Institution	Number of different groups
LIP	16
CNC Centro de Neurociências e Biologia Celular	2
CIIMAR	1

Institution	Number of different groups
UCIBIO	5
REQUINTE	1
IMM	1
INESC-TEC	1
IBET	1
Centre for Ecology, Evolution and Environmental Changes - cE3c	2
CENTEC	2
Bioisi	2
Instituto de Plasmas e Fusão Nuclear - IPFN	1
MARE Centro de Ciências do Mar e do Ambiente - Lisboa	1

Estado

Institution	Number of different groups
LNEC	3
INSA	2

Setor Empresas

Institution	Number of different groups
DEIMOS	1
WAVECOM	1

Supported Institutions

2020

Ensino Superior

Institution	Number of different groups
Faculdade de Ciências da Universidade de LisboaCUL	4
Universidade de Aveiro	1
Instituto Superior Técnico (IST)	2
Escola Nacional de Saúde Pública ENSP)	1
Iscte - Instituto Universitário de Lisboa	3
Universidade Aberta	2
Universidade do Minho	2
Universidade Nova de Lisboa	6
Universidade de Coimbra	1
Ispa	1
UALG	3
Universidade do Porto (UP)	1
Faculdade de Medicina do Porto	1
FSCH	1
ISEC	3

Instituições Privadas sem Fins Lucrativos (IPSFL)

Institution	Number of different groups
LIP	16

Institution	Number of different groups
CNC Centro de Neurociências e Biologia Celular	1
Centre for Innovative Biomedicine and Biotechnology	1
CIIMAR	1
ITQB	1
UCIBIO	5
REQUINTE	1
IMM	1
INESC-TEC	1
INESC-ID	1
IBET	1
Centre for Ecology, Evolution and Environmental Changes - cE3c	2
CENTEC	2
Bioisi	2
CICECO	1
Instituto de Plasmas e Fusão Nuclear - IPFN	1
MARE Centro de Ciências do Mar e do Ambiente - Lisboa	1

Estado

Institution	Number of different groups
LNEC	3
INSA	2

Setor Empresas

Institution	Number of different groups
MARVEN	1
DEIMOS	1
WAVECOM	1

Supported Institutions

Period 2017-2019

Institution	Number of different groups
Universidade do Algarve	3
CCMAR	3
CBMR	1
CICECO	2
Universidade de Coimbra	3
BIOISI – Univ. Lisboa	3
Instituto Superior de Agronomia – Univ. Lisboa	2
Universidade Aberta	1
IST – Univ Lisboa	4
MARE - Univ Lisboa	1
FCUL – Univ Lisboa	2
ISEG	1
CE3C – Univ. Lisboa	1
Universidade do Minho	1
Universidade Nova de Lisboa	6
REQUIMTE – Univ do porto	4
Lusofona	1
IPMA	1
CIBIO-InBIO	5
IGC	2
INESC-TEC	1
INESC-ID	3
LIP	16
LNEC	5
CIBIT	1
ISEC	4

Institution	Number of different groups
ISEL	2
ISCTE	4
UCIBIO	5
IMM	1
INL	1
Instituto Ricardo Jorge	1
IDL	1
ISPA	1
ITQB	1
FCSH	2

Supported Institutions

2024

1. Agencia Nacional de Inovação (ANI)
2. Agência Regional para o Desenvolvimento da Investigação Tecnologia e Inovação (ARDITI)
3. Rede de Investigação em Biodiversidade e Biologia Evolutiva (Associação BIOPOLIS)
4. BioData.pt (Associação BIP4DAB)
5. Centro de Ciências e Tecnologias Nucleares (C2TN / IST / U.Lisboa)
6. Centro de Engenharia e Tecnologia Naval e Oceânica (CENTEC / IST / U.Lisboa)
7. Instituto de Plasmas e Fusão Nuclear (IPFN / IST / U.Lisboa)
8. Associação Laboratório Colaborativo em Transformação Digital (DTx CoLab)
9. Centro de Biologia Molecular e Ambiental (CBMA / U.Minho)
10. Centro de Ciências do Mar (CCMAR / U.Algarve)
11. Centro de Física das Universidades do Minho e do Porto (CF-UM-IP)
12. Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR / U.Porto)
13. Centro de Investigação em Serviços Digitais (CISeD / P.Viseu)
14. Centro de Investigação em Tecnologias e Serviços de Saúde (CINTESIS)
15. Direcção-Geral do Livro, dos Arquivos e das Biblotecas (DGLAB)
16. Instituto de Biosistemas & Ciências Integrativas (BioISI / FCUL / U.Lisboa)
17. Fundação para a Ciência e a Tecnologia (FCT)
18. Instituto de Engenharia de Sistemas e Computadores (INESC-ID)
19. Instituto de Astrofísica e Ciências do Espaço (IA / U.Lisboa)
20. Instituto de Financiamento da Agricultura e Pescas, I.P. (IFAP)
21. Instituto de Física de Materiais Avançados, Nanotecnologia e Fotónica (IFIMUP / U.Porto)
22. Instituto de Medicina Molecular (IMM / U.Lisboa)
23. Instituto Nacional de Investigação Agrária e Veterinária (INIAV)
24. Instituto de Nanoestruturas, Nanomodelação e Nanofabricação (i3N/ U.Aveiro)
25. Instituto de Telecomunicações (IT)
26. Instituto Nacional de Saúde Dr. Ricardo Jorge (INSA)
27. Instituto Politécnico da Guarda (P.Guarda)
28. Instituto Superior de Engenharia do Porto (ISEP / P.Porto)
29. Instituto Universitário de Lisboa (ISCTE-IUL)
30. Laboratório Associado para a Química Verde (LAQV REQUIMTE)
31. Laboratório Nacional de Engenharia Civil (LNEC)
32. Laboratório de Instrumentação e Física Experimental de Partículas (LIP)
33. Pattern Institute
34. NOVA Laboratory for Computer Science and Informatics (NOVA LINCS / UNL)
35. NOVA Medical School (NMS / UNL)
36. Unidade de Ciências Biomoleculares Aplicadas (UCIBIO / UNL)
37. Universidade da Beira Interior
38. Centro da Ciências e Tecnologias Mecânicas e Aeroespaciais (C-MAST / UBI)
39. Faculdade de Ciências Exatas e da Engenharia (FCEE / U.Madeira)
40. Instituto de Materiais de Aveiro (CICECO / U.Aveiro)

41. Universidade de Coimbra (U.Coimbra)
42. Centro de Física da Universidade de Coimbra (FCTUC / U.Coimbra)
43. Centro de Investigação em Engenharia dos Processos Químicos e dos Produtos da Floresta (CIEPQPF / FCTUC / U.Coimbra)
44. Laboratório de Processos de Separação e Reacção - Laboratório de Catálise e Materiais (LSRE-LCM / FEUP / U.Porto)
45. Institute for Bioengineering and Biosciences (IBB / IST / U.Lisboa)
46. Universidade Aberta (U.Aberta)
47. Faculdade de Ciências Sociais e Humanas (FCSH / U.Lisboa)
48. Instituto Dom Luiz (IDL / U.Lisboa)
49. Instituto de Ciências Sociais da Universidade de Lisboa (ICS / U.Lisboa)
50. Centro de Imagem Biomédica e Investigação Translacional (CIBIT)
51. Universidade de Évora (U.Evora)
52. Faculdade de Ciências da Universidade de Lisboa (FCUL / U.Lisboa)
53. Centro de Ecologia, Evolução e Alterações Ambientais (cE3c / U.Lisboa)
54. Laboratório de Física para Materiais e Tecnologias Emergentes (LaPMET)
55. Centro de Neurociências e Biologia Celular (CNC-UC / U.Coimbra)
56. Instituto Superior de Engenharia de Lisboa (ISEL / P.Lisboa)
57. Faculdade de Medicina da Universidade de Lisboa (U.Lisboa)
58. Universidade de Trás-os-Montes e Alto Douro (UBI)
59. Universidade do Algarve (UALG)
60. Universidade do Minho (U.Minho)
61. Centro de Engenharia Biológica (CEB / U.Minho)
62. Centro de Astrofísica (U.Porto)
63. Sociedade Portuguesa de Botânica (SPBOTANICA)
64. Portuguese node of the Global Biodiversity Network (GBIF / ISA)
65. Portuguese Coastal Monitoring Network (CoastNET / MARE)