

# 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 the 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 timing 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

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