

EuroCC

project and dissemination activities

EuroCC project

- Began in 2020
- Conceived by the EuroHPC Joint Undertaking to boost the European supercomputing, through the implementation of a National Competence Center (NCC) in each participating country.
- Around 30 of them have been established, spread across Europe.



The NCCs are points of contact for potential users in industry, science and public administration, as well as for HPC specialists and the general public.



NCC Portugal

What are the NCC's responsibilities?

- Dissemination activities
- Training
- Transfer of knowledge and technology
- Cooperation between entities

NOTE:

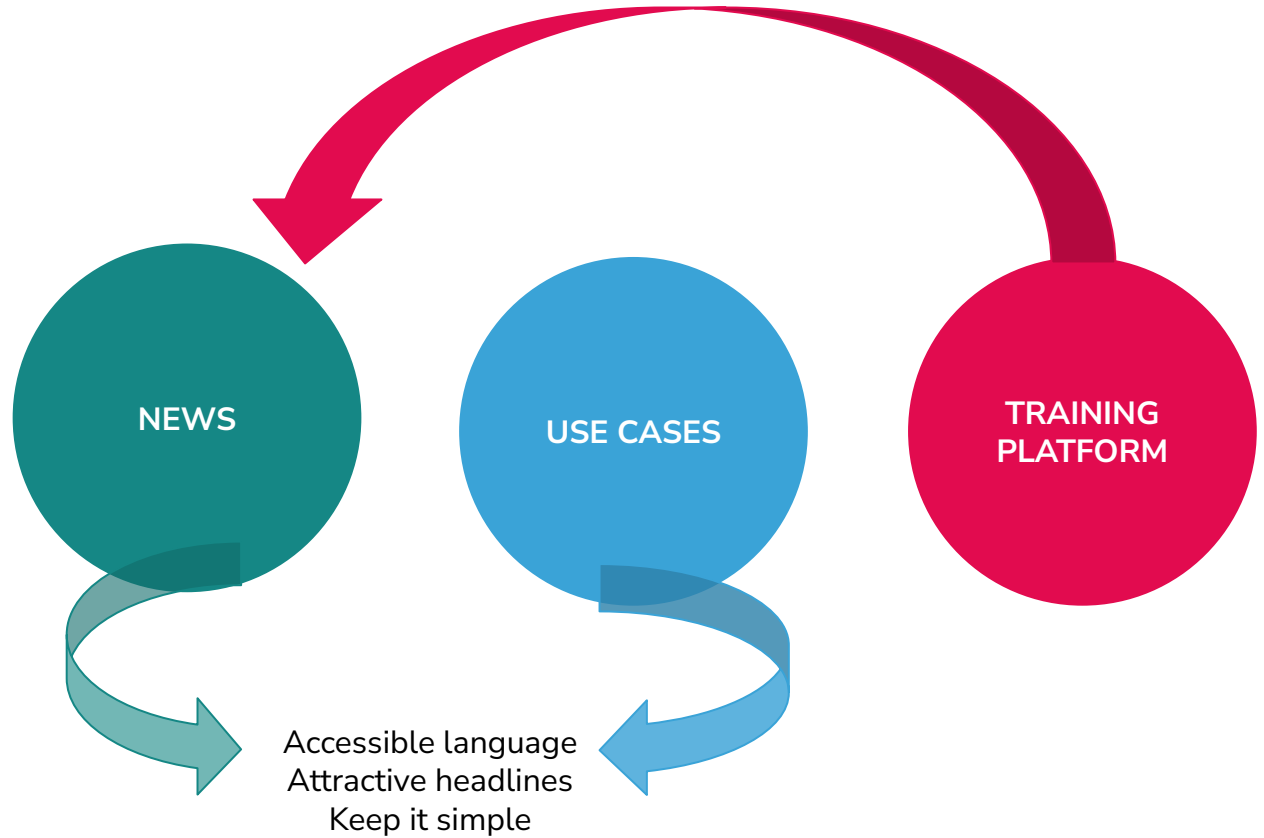
To cover all these tasks, we have several partners involved:

- Foundation for Science and Technology
- INESC TEC
- LIP
- University of Coimbra
- University of Évora
- Instituto Superior Técnico
- University of Porto
- University of Trás os Montes and Alto Douro
- University of Aveiro
- University of Beira Interior
- University of Algarve

A blue-tinted photograph of a workspace. In the center is an open laptop. To its right is a white cup of dark coffee on a saucer. Below the cup is a pencil and a small piece of paper. To the left of the laptop are several crumpled pieces of paper. The background is a wooden surface.

Dissemination and outreach

What do we do?



NEWS

EuroCC Portugal about to release MOOC on Supercomputing

September brings the first MOOC on Supercomputing in Portuguese, developed as part of the EuroCC project. It will be available on the "NAU - sempre a aprender" platform and will be free of charge. There's already a short presentation video to introduce the course!

By EuroCC Portugal August 23, 2023



Deucalion has arrived and is expected to be "decisive in the advance of humanity and science"

The Portuguese Prime Minister, the Minister of Science, Technology and Higher Education and the executive director of EuroHPC JU were at the University of Minho on September 6 for the inauguration of the new Portuguese supercomputer – the fastest ever.

By EuroCC Portugal September 6, 2023



The RNCA Meeting 2023 has already set a date and place!

The third edition will leave Lisbon and head to the north of Portugal, between November 7th and 8th. There will be more news soon, but it's worth booking those days in your calendar now!

By EuroCC Portugal August 23, 2023



USE CASES

[USE CASES](#)

Bringing innovation to political science research through computing

Portuguese researchers have created a tool that allows online access and research on documents throughout 40 years of Portuguese democracy. The scientific community – and even journalists – have already been recognizing its benefits.

By EuroCC Portugal April 12, 2023



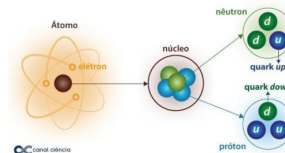
Fotografia: Miguel A. Lopes/ LUSA

[NEWS](#) [USE CASES](#)

Why can't we see quarks?

The lattice QCD research group at the University of Coimbra is performing realistic simulations using HPC to better understand the interaction and propagation of particles – quarks and gluons – that have never been observed directly.

By EuroCC Portugal March 1, 2023



TRAINING PLATFORM

EuroCC INDICO

EuroCC INDICO instance @wordpress

URL : <https://indico.eurocc.fcen.pt>

October 2023

Tuesday October 17

09:00

Introduction to HPC (hand-on tutorial)

Speakers: Joao Conceicao (lip.pt), Pina João (LIP)

<https://indico.eurocc.fcen.pt/event/34/>

14:00

Advanced Job Submission in HPC (hand-on tutorial)

Speakers: Joao Conceicao (lip.pt), Pina João (LIP)

This is an advanced course aimed at users who already have some basic knowledge on how to submit jobs to the HPC cluster. In this tutorial, we will show: Advanced CPU/GPU job submission: resource request, special features- Jobs monitoring/debugging techniques Virtual environment and job submission Data Management and Data storage best practices

<https://indico.eurocc.fcen.pt/event/35/>

November 2023

Friday November 10

10:00

Using Containers in HPC (hand-on tutorial)

Speakers: Jorge Gomes (LIP), Mario David (LIP Lisbon)

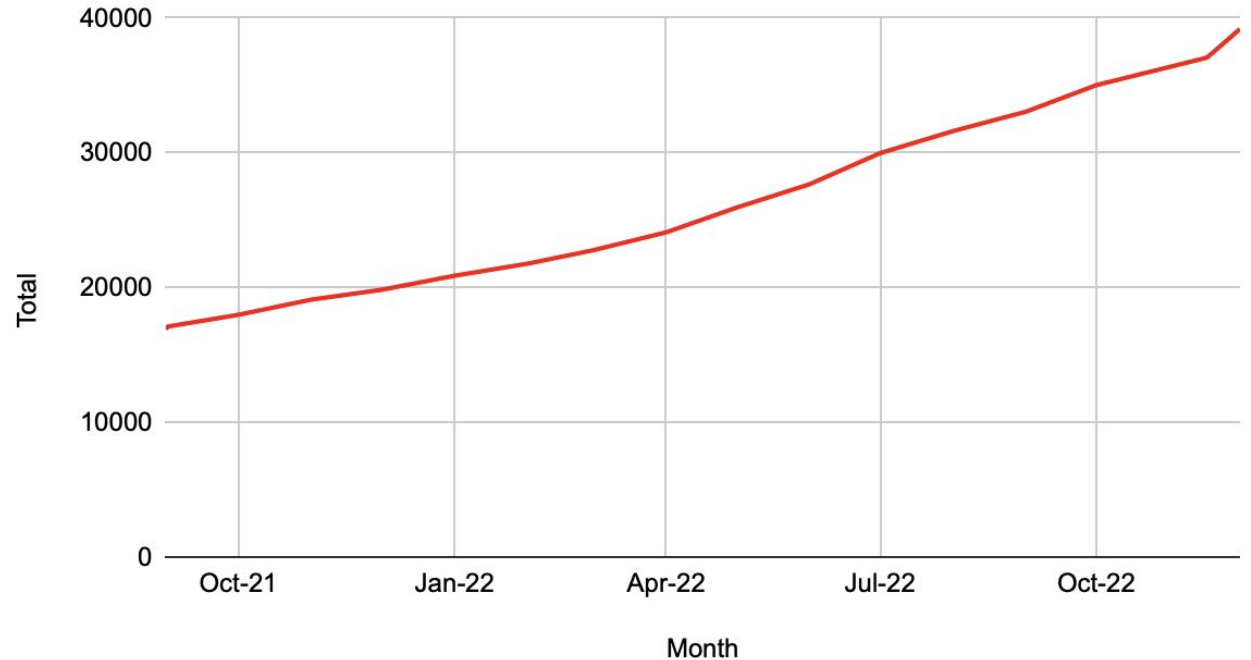
In this tutorial, we will show how to create containers and submit jobs to an HPC cluster farm using udocker.

It's recommended to have a good knowledge of using and submitting jobs to an HPC cluster and a basic knowledge of container technology.

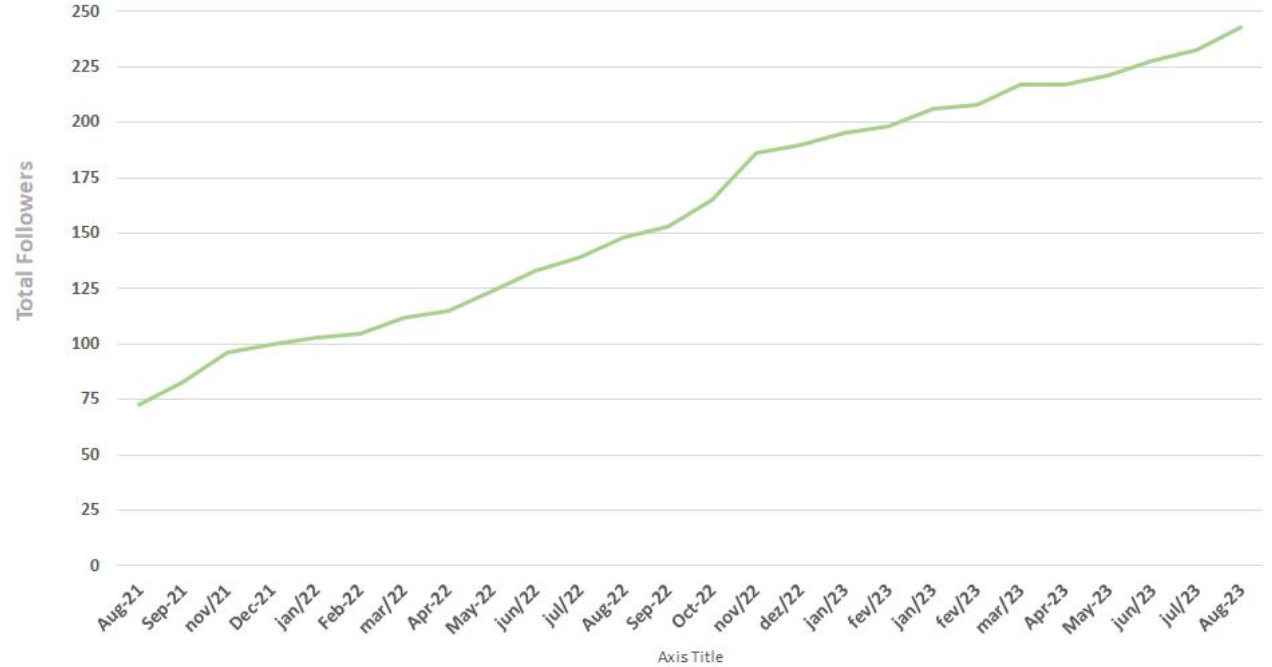
<https://indico.eurocc.fcen.pt/event/38/>

We still have a long road ahead of us but we're making real progress!

Website: evolution of visits

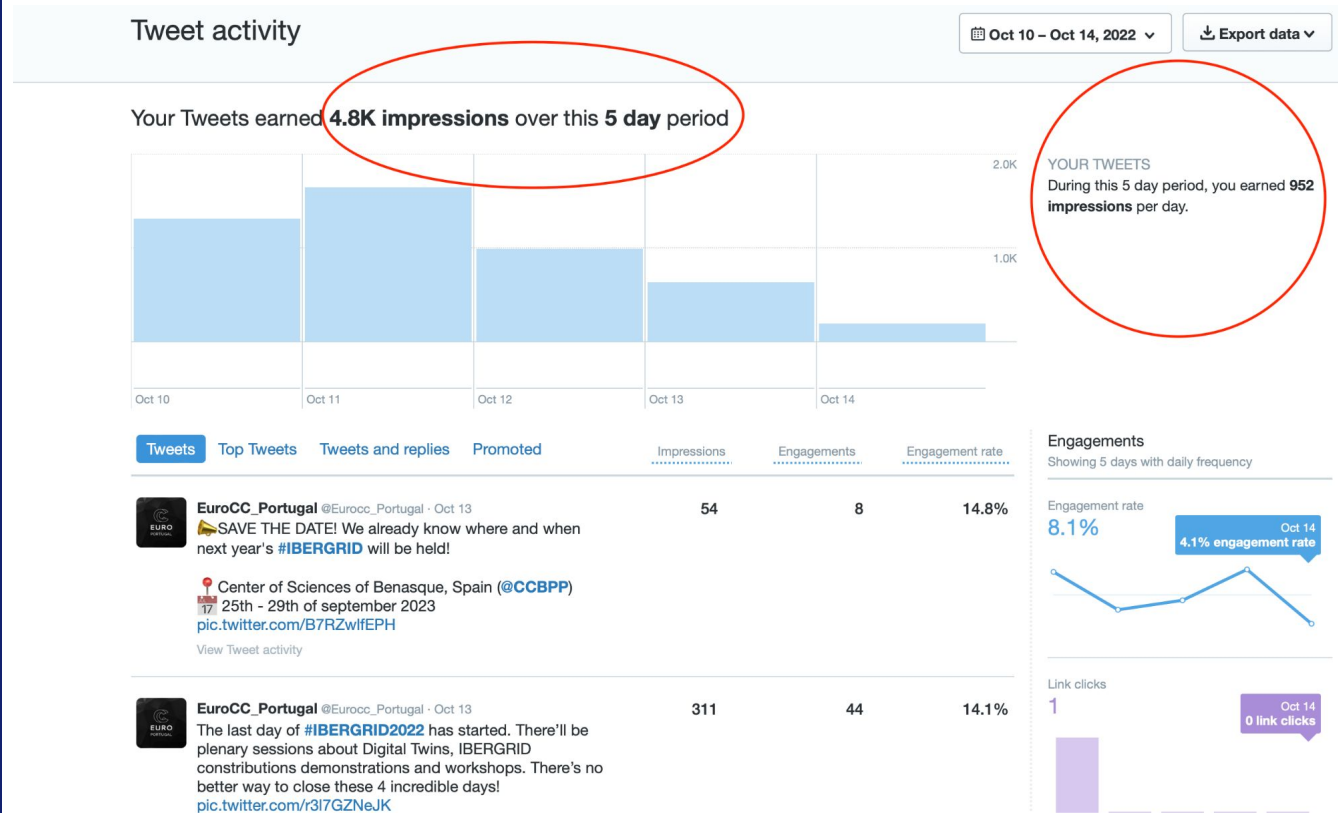


Twitter: Followers



Fun fact!

The initiative that contributed the most to reach and attract more people to our community was IBERGRID 2022. It was held in University of Algarve, in Faro, between October 10th and 13th.





EuroCC 2

The project was recently renewed for another three years

New strategy

NEWSLETTER



NVIDIA está a construir supercomputador para Inteligência Artificial

O sistema DGX GH200 está a ser desenvolvido para ser lançado já no final deste ano. A Google, Meta e



EUMaster4HPC organiza escola de verão em França

Durante o mês julho, a Universidade de Grenoble, em França, recebe a Escola Internacional de Verão, organizada pelo



IXPUG workshop: "Communication, I/O, and Storage at Scale on Next-Generation Platforms"

A conferência ISC High Performance 2023, recebe, a 25 de maio, o

Eventos

Agosto traz workshop virtual de treino no supercomputador Frontier

24-07-2023

O Encontro RNCA 2023 já tem data e lugar marcados!

13-07-2023

IBERGRID 2023

MOOC



Here are the channels so you can join us

Website: <https://eurocc.fcn.pt/>

LinkedIn/Twitter: @Eurocc_Portugal

Indico: <https://indico.eurocc.fcn.pt>



**Thank you
very much for
your time!**



EUROCC PORTUGAL