



# EUROCC PORTUGAL

**National Competence Centre  
in High Performance Computing**

**A source of information, training and  
collaboration**



Computing for industry, science, experts  
and the general public.



**EuroCC** is a European project that aims to boost knowledge in high-performance computing (HPC) and massive processing of data across Europe.



**Network of  
33 Countries**

The project brings together 33 countries, each of which is to create a National Competence Center (NCC) with the aim of implementing best practices and putting them *at the service of industry, science, (future) HPC experts and the general public.*

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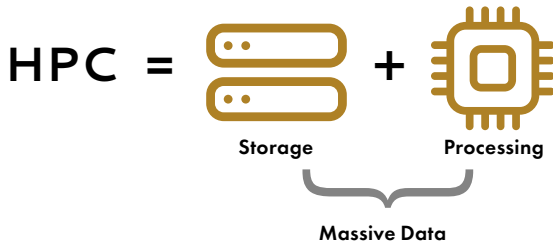
**National Competence  
Centre (NCC)**

*6 Institutions*

The National Competence Centre at EuroCC is coordinated by the Fundação para a Ciência e a Tecnologia (FCT), and integrates several entities that through this centre provide their experience and capabilities in supporting the adoption and use of HPC.

## High Performance Computing(HPC)

uses supercomputers to solve problems more complex and faster than ordinary technology.



### 4 Operational Centres

MACC (Braga)

LCA (Coimbra)

INCD (Lisboa)

HPC-UE (Évora)

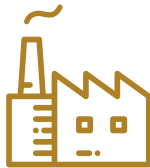
## Use Cases

What problems is HPC helping to solve?



### Health

Portuguese researchers discover promising molecules to develop drugs optimized against COVID-19



### Industry

Computing may be the answer to innovate the footwear industry in Portugal



### Climate

Computational modeling of atmospheric flow over the Perdigão Mountain Range (Vila Velha de Ródão)



### Energy

Development of low carbon and zero carbon solutions using NetMIX technologies

## Access to HPC Resources

<https://rnca.fccn.pt/acesso>

[eurocc.fccn.pt](http://eurocc.fccn.pt)



[/company/eurocc-portugal](https://www.linkedin.com/company/eurocc-portugal)



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**FCT**

Fundação  
para a Ciência  
e a Tecnologia

Este projeto recebeu financiamento da European High-Performance Computing Joint Undertaking (JU) ao abrigo do acordo de subvenção n.º 951732

This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 951732