# EUROCC3

## NCC Spain

## Galicia Supercomputing Center (CESGA)

**Marta Rilo Martínez**

# EuroCC3 - A European network for High-Performance Computing

- European Project **to promote high-performance computing (HPC)** in Europe
- Network of **36 National Competence Centers (NCCs)**
- Each NCC serves as the **national one-stop point** for HPC expertise, services, and training
- Builds on over **six years of successful collaboration** in EuroCC (EuroCC, EuroCC 2 + EuroCC4SEE, EuroCC 3)
- Supported by **CASTIEL 3** (Coordination and Support Action)
- Present: **EuroCC3 (April 2026 – March 2029)**




**Participating countries**

*Albania, Austria, Belgium, Bosnia and Herzegovina, Bulgaria, Cyprus, Croatia, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Kosovo, Latvia, Lithuania, Luxembourg, Malta, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden and Türkiye.*

# EuroCC3 - Mission and objetives

**Mission**

- Accelerate the **uptake** and **effective use** of HPC across Europe
- **Strengthen national HPC competences** within a coordinated European network

**Objectives**

- **Support** SMEs, industry, academia, and public administrations
- Deliver high-quality **services, training, and technical guidance**
- **Facilitate access** to national and European HPC resources
- **Connect users with** the wider European HPC **ecosystem**



# NCC Spain – Partners

CESGA
GALICIA SUPERCOMPUTING CENTER

UC | Universidad de Cantabria

BSC Barcelona Supercomputing Center
Centro Nacional de Supercomputación

SCAYLE
SUPERCOMPUTACIÓN CASTILLA Y LEÓN

bifi Instituto Universitario de Investigación Biocomputación y Física de Sistemas Complejos
Universidad Zaragoza



# NCC Spain – Services

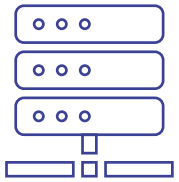
## What do we offer?



**Training:**
Workshops, webinars, and educational talks



**Consulting:**
Services in HPC technologies, data analysis (HPDA), and computing-related topics



**Access to computing resources:**
Calls for applications offering **free access** to HPC resources

## Who is this for?



**Academic Institutions**



**Businesses**



**Public Administration**

# NCC Spain – Training

- **National training**
  - Training in **HPC and Big Data**
  - Ongoing courses and Upcoming **courses and events**
  - **In-person and online** (webinar) formats





National Training
NCC Spain

HPC Portal

https://eurocc-spain.res.es/formacion-nacional/

https://hpc-portal.eu/training

# NCC Spain – Consultancy services

Does your simulation take days instead of hours?

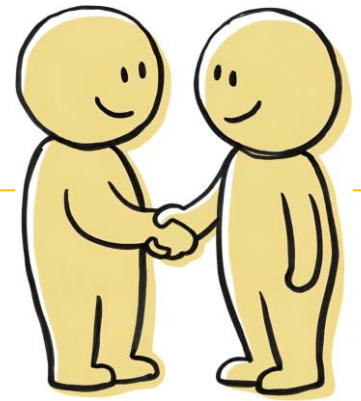
Interested in HPC but unsure where to start?

Do you know how to access HPC resources?



Consultancy services

**We are here to help: personalized and FREE!**



https://eurocc-spain.res.es/inscripcion-informacion-de-consultoria/

**www.eurocc-spain.res.es**

**eurocc@res.es**

**EuroCC_SpainRES**

**@EuroCC_SpainRES**

# NCC Spain – EuroCC Spain Testbed (Open call)

## Who is it for?

- Business
- Academic Institutions
- Public Administrations
- **FREE ACCESS !**

## What is this for?

**I+D+i activities:**

Proof of Concept (PoC),

Scalability Testing,

Pilot Projects, etc.

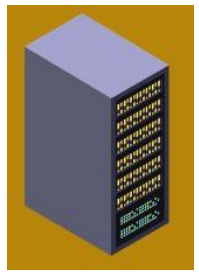
## HPC Infrastructure

- **50,000 CPU hours**
- 512 concurrent processors
- **500 GPU hours**
- 4 concurrent GPUs
- 10 TB of storage

## How to apply?

**Application form** to:

**eurocc-testbed@cesga.es**







**https://eurocc-spain.res.es/convocatoria-eurocc-spain-testbed/**

# EuroCC Spain Testbed - Real Examples from EuroCC2




NEXTMOL

As a company in the chemical industry, they achieved an **ecological and digital transition** thanks to HPC resources

FRONTWAVE IMAGING

A **medical device** that generates high-quality **3D ultrasound images of the breast**, improving diagnostic accuracy, using HPC resources

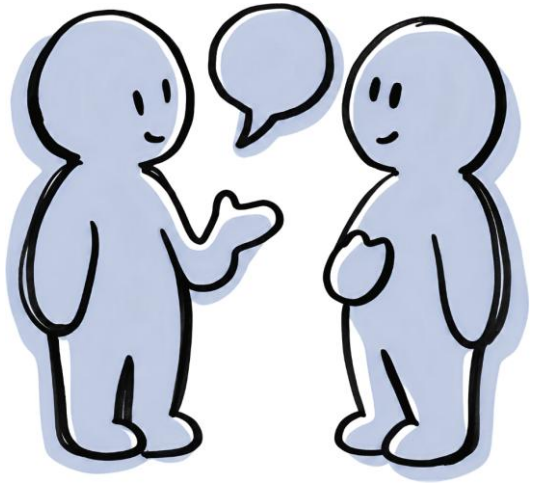
nostrum biodiscovery

A BSC spin-off, they **develop drugs** using HPC resources

# NCC Spain – Contact

View on mobile

https://linktr.ee/euroccspain



www.eurocc-spain.res.es

EuroCC_SpainRES

eurocc@res.es

@EuroCC_SpainRES

# Thank you!



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EuroHPC Joint Undertaking



EURO³



CESGA
GALICIA SUPERCOMPUTING CENTER

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(Optional: national funding acknowledgement, where required by national funding rules)