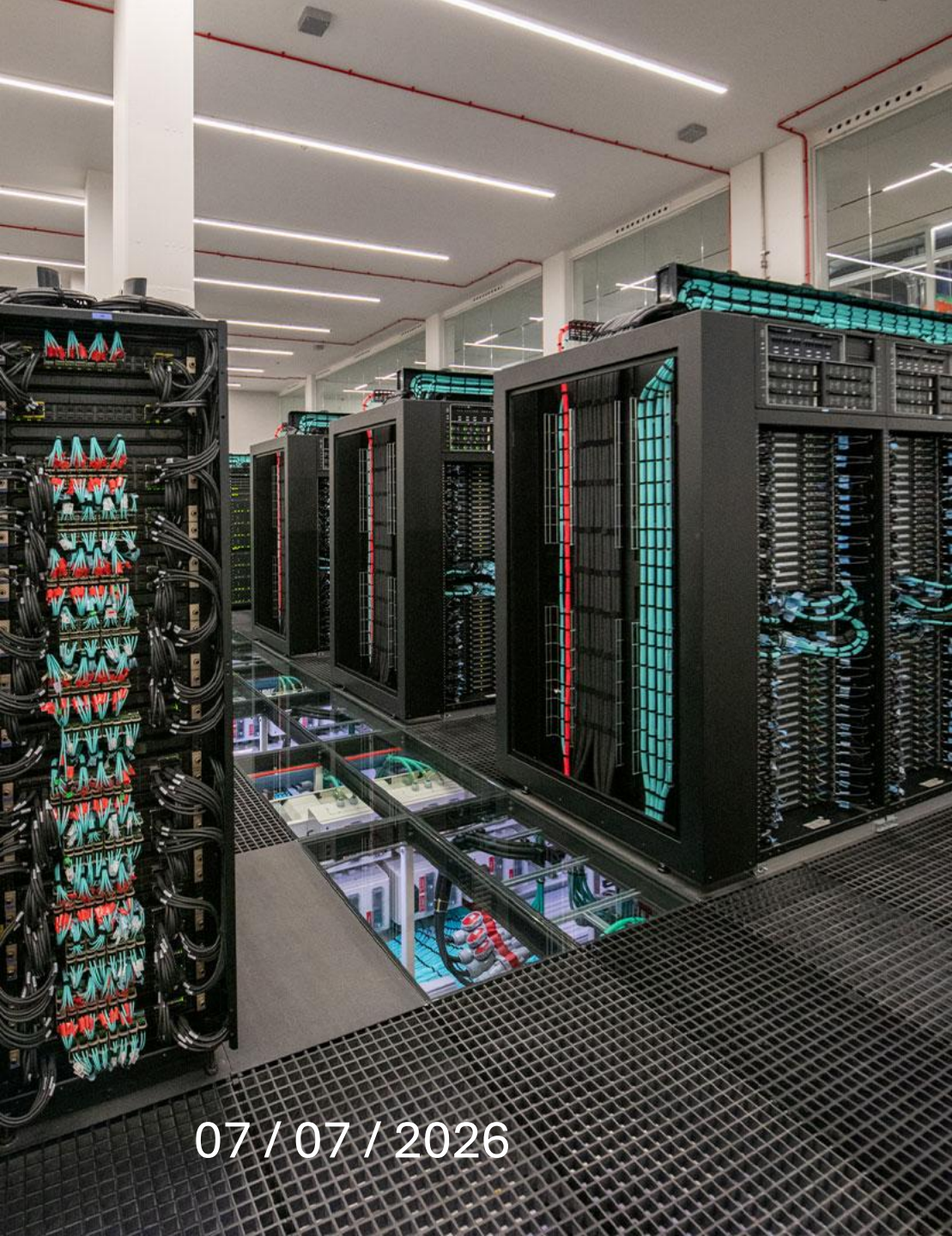




07 / 07 / 2026



BSC AI Factory

Accelerating AI innovation

Miquel Corella

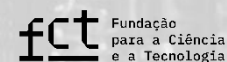
BSC AIF Technical and Innovation Coordination Officer



CLARIAH-CAT
Xarxa Catalana Multidisciplinar
per a les Humanitats Digitals



BSC AI Factory Partners



Affiliated entities



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European AI Factories



AI Factories as part of the AI Continent plan

19 AI Factories in Europe

Serving: Startups, SMEs and Public Sector entities

Three key capabilities:

- Supercomputing for AI
- Scientific and Technical Collaboration
- AI with Ethical and Regulatory Guarantees

AI Factories do not replace the market; they create the technological foundation to scale the European ecosystem.



This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101234399 and Spain, Portugal, Romania and Türkiye. The JU receives support from the European Union's Horizon Europe Programme.



BSC AI Factory (BSC AIF)

The **BSC AI Factory** is an **innovation ecosystem** connecting SMEs, start-ups, researchers, and public bodies to drive the **responsible adoption of AI** by providing access to advanced computing infrastructure, specialized technical expertise, and curated data resources.

It is part of a **pan-European initiative**, and is co-led by **four countries**, each represented by their national research and technology organizations.



Spain



Barcelona
Supercomputing
Center (BSC-CNS)



Portugal



Fundação para a
Ciência e a
Tecnologia (FCT)



Türkiye



The Scientific and
Technological Research
Council of Türkiye
(TÜBİTAK)



Romania



National Institute for
Research & Development in
Informatics
(ICI Bucharest)



This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101234399 and Spain, Portugal, Romania and Türkiye. The JU receives support from the European Union's Horizon Europe Programme.



**Co-funded by
the European Union**



**Generalitat
de Catalunya**



EuroHPC
Joint Undertaking



Targeted industries

The primary audience of **BSC AI Factory** consists of **SMEs and start-ups** operating in **6 priority industries**



**Health, Pharma
& Biotech**



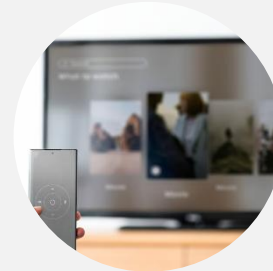
Energy



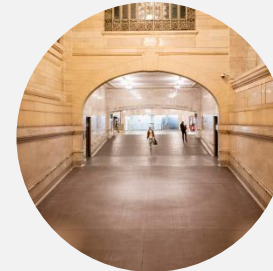
**Agriculture, Climate
& Blue Economy**



Finance & Legal



**Communications &
Media**

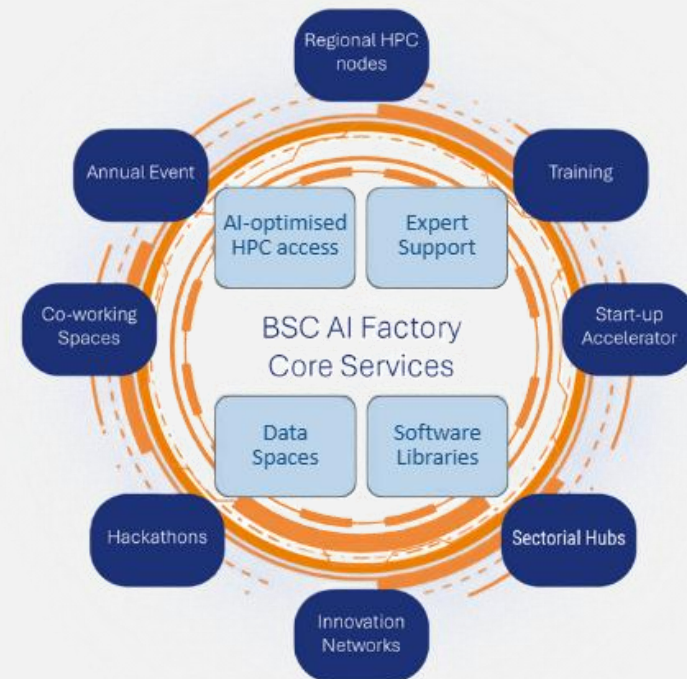


Public Sector

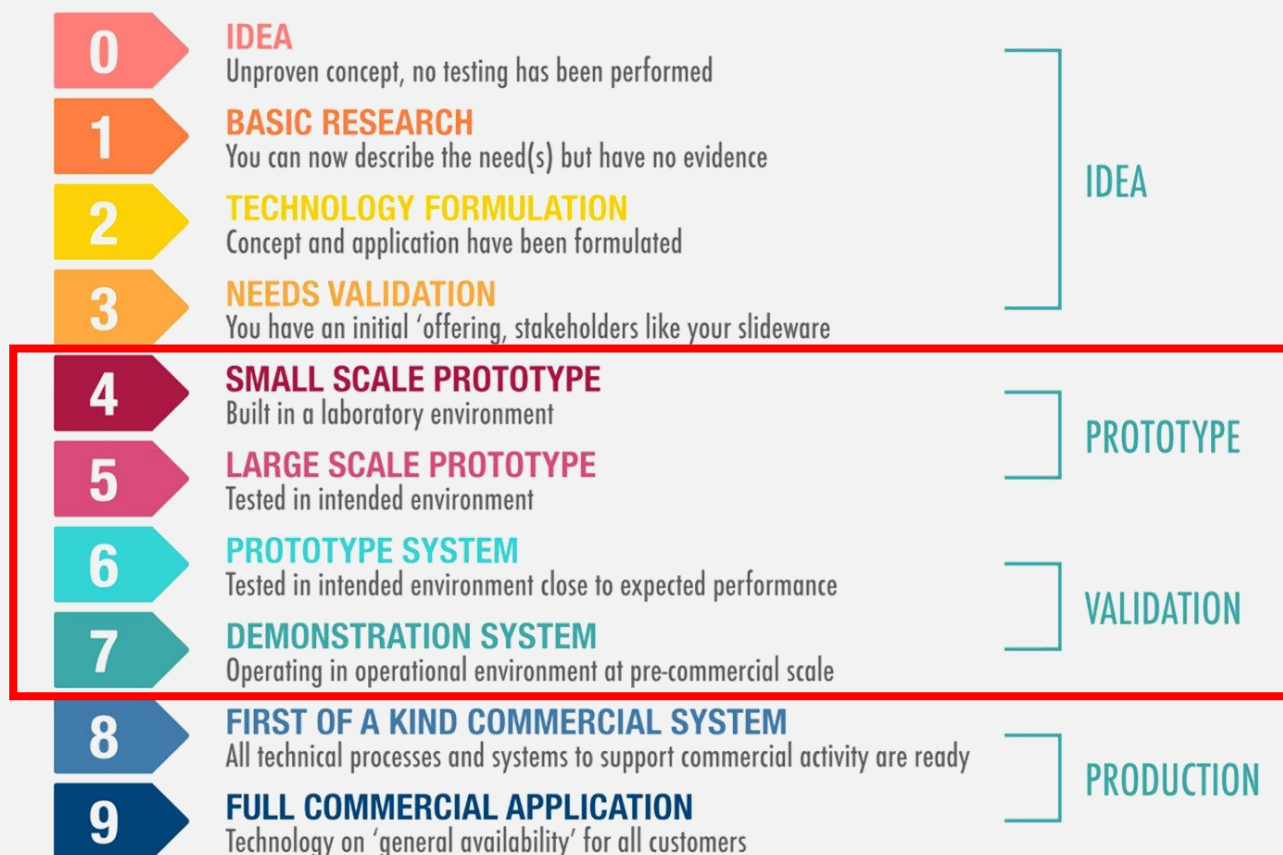
Targeted industries

The **BSC AI Factory** is built around **4 core services** and **8 support mechanisms** aimed at:

- **Breaking AI innovation entry barriers** through HPC resources and specialized technical expertise
- **Generating an AI-related innovation ecosystem** by supporting networking, funding, talent development, and collaboration.
- **Training the next generation of experts** to drive a knowledge-based, AI-driven economy.



Accelerating innovation with AI & HPC boosters

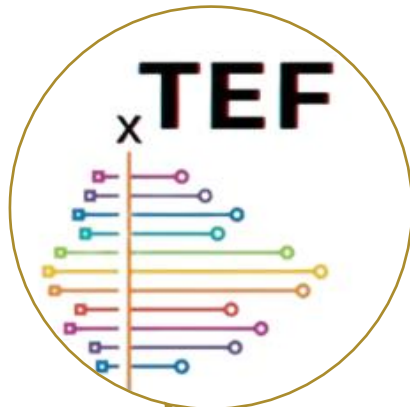


Artificial Intelligence (AI)
Supercomputing (HPC)

BSC AI Factory European Ecosystem

EDIH Network, HPC EuroCC and TEFs

- AI European collaborative network
- Dissemination



DIH4CAT (7 tech partners)

- Direct access to infrastructure
- Dissemination



Portugal, Turkey and Romania

- Direct access to infrastructure
- Onsite support



RES Network (14 HPC centres)

- Direct access to infrastructure
- Onsite support



**BSC
AIF**



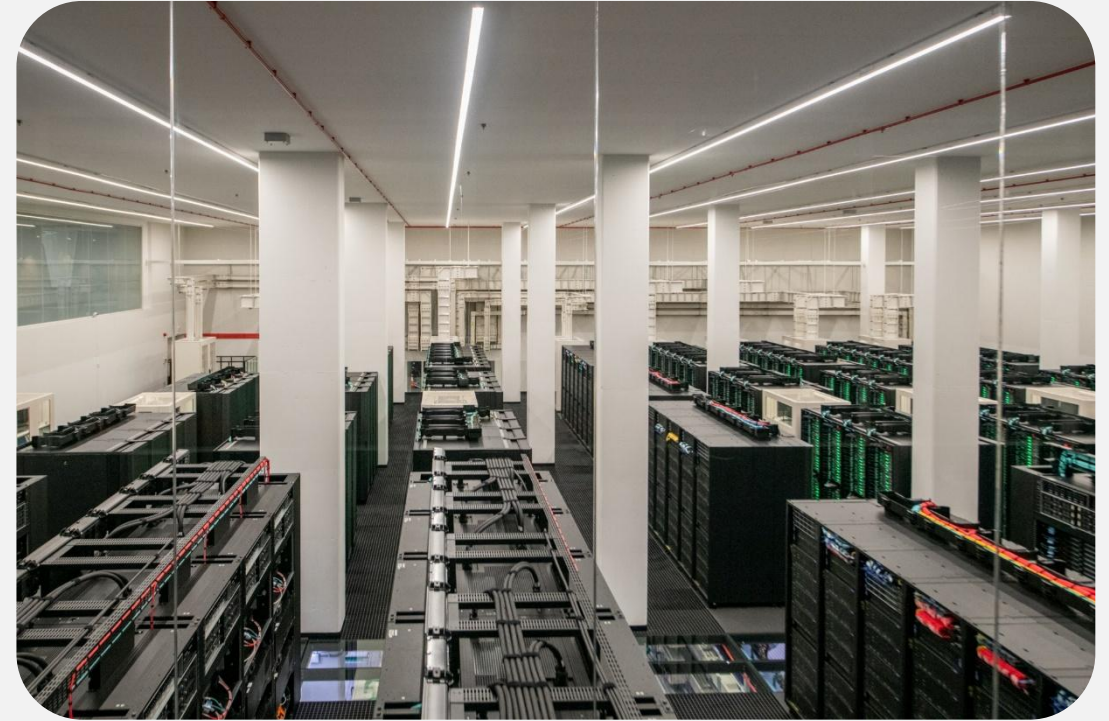
MareNostrum 5

MareNostrum5: The main infrastructure

One of the world's most versatile supercomputers, **MareNostrum 5** hosts two systems ranked among the **top globally supercomputers**: General Purpose Partition & Accelerated Partition.

Hosted and operated by **BSC**, it is a key European infrastructure driving **scientific progress** across domains, from digital twins and cancer research to sustainable cities and advanced materials.

Its upcoming **AI Upgrade**, developed under the **AI Factory project**, will further accelerate workflows from model training to large-scale inference, optimized for LLMs and data-intensive applications.



MareNostrum5: A European Pre-exascale Supercomputer

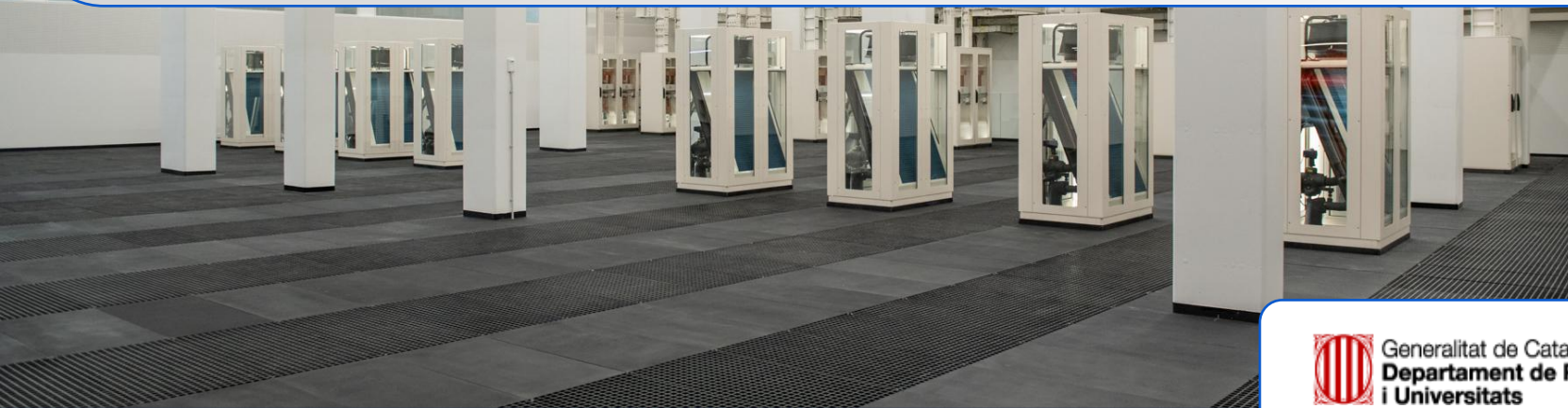
- **>314 Petaflops** peak performance (314×10^{15})
- World-changing scientific breakthroughs such as the creation of digital twins and the advancement of precision medicine
- Total investment: **>200 M€**

Hosting Consortium

Spain

Portugal

Turkey



Generalitat de Catalunya
Departament de Recerca
i Universitats



GOBIERNO
DE ESPAÑA

MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



The acquisition and operation of the EuroHPC supercomputer is funded jointly by the EuroHPC Joint Undertaking, through the European Union's Connecting Europe Facility and the Horizon 2020 research and innovation programme, as well as the Participating States Spain, Portugal, and Turkey



EuroHPC
Joint Undertaking

MareNostrum5: A European Pre-exascale Supercomputer



General Purpose Partition

- **6480** nodes
- 12.960 Intel 8480+ CPUs
- 725.760 computing cores
- DLC&RDHX refrigeration

Accelerated Partition

- **1120** nodes
- 2240 Intel 8640Y+ CPUs
- 4480 NVIDIA H100, 64GB
- DLC refrigeration

Memory: 2,3 PB DDR5 RAM

Local storage: 7 PB NVMe

Central storage:

HDD: 248 PB - 1.6 TB/s read, 1.2TB/s write

Tapes: 400 PB - 64 drives, 400MB/s per drive

MareNostrum5 Upgrade

- Setup in progress – Planned to be operational by **Q4 2026**
- World-changing scientific breakthroughs such as the creation of digital twins and the advancement of precision medicine
- Total investment: **130 M€**

**Training
partition**

**Inference
partition**

**High-Performance
SSD storage**

Access to AI-oriented High Performance Computing (HPC)

AI Factory Access Calls

AI-ready supercomputing power to train, test and scale your AI models, with direct free infrastructure access through different access mechanisms, each managed by the respective consortium partner of the BSC AI Factory.



European Access Mechanism



Applications at **European level** are managed through the **EuroHPC Joint Undertaking** and can be submitted online at any time through **three access modes**.

Playground Access

For new or **entry-level users** who want to explore BSC AI Factory capabilities or run **small-scale experiments**.
For **short testing**, **tool evaluation**, and **onboarding support**.

[APPLY HERE](#)

Fast Lane Access

It provides access to **up to 50,000 GPU hours** or projects lasting up to **three months** on a single system.
For running **MVPs**, **applied research**, or **pilot deployments**.

[APPLY HERE](#)

Large Scale Access

It provides access for **more than 50,000 GPU hours** or **extended compute time** (allocations for three, six, or twelve months).
For **high-impact** or **mature AI projects**.

[APPLY HERE](#)



Spanish Access Mechanism



The **BSC AI Factory** also facilitates access through the **Spanish Supercomputing Network (RES)**, a nationally distributed infrastructure composed of 14 interconnected nodes across Spain, with two annual innovation-focused calls for access.

[APPLY HERE](#)



Portuguese Access Mechanism



The **Scientific and Technological Research Council of Turkey (TÜBİTAK)** provides access to **BSC AI Factory** through competitive national calls for projects in Turkey.

[APPLY HERE](#)



Turkish Access Mechanism



Portugal enables access to the **BSC AI Factory** through the **Foundation for Science and Technology (FCT)**:

- **Open FCT Calls**: competitive evaluations for a wide range of projects in research & innovation.
- **Inovia**: specific call for Portuguese startups and SMEs.

[APPLY HERE](#)

EuroHPC - Playground call

CALL STATUS: OPEN

Playground Access to AI factories

Playground mode is intended for SMEs, startups and entry level users. It offers rapid, FIFO access to test technologies, including access within 2 working days and onboarding services for new users.

- For **Industry users** (startups and SMEs)
- For **New or entry level users** or those with smaller computational needs.
- The process comprises **eligibility** and **technical assessment**.
- Allocations are granted for a period of 1, 2, or 3 months.
- To provide **Access within 2 working days**

<https://access.eurohpc-ju.europa.eu/60>

SYSTEM*	SITE (COUNTRY)	PARTITION	PROCESSOR	ACCELERATOR	FIXED ALLOCATION**
 MN5 MARENOSTRUM	BSC (ES)	MN5 ACC	Intel Sapphire Rapids	Nvidia Hopper	5 000
 LEONARDO CINECA	CINECA (IT)	Leonardo Booster	Intel Xeon	NVIDIA A100	5 000
 LUMI	CSC (FI)	LUMI-G	AMD Epyc	AMD Instinct	5 000
 DISCOVERER Sofia Petascale Supercomputer	Sofia Tech Park (BG)	Discoverer GPU	AMD Epyc	NVIDIA H200	5 000
 MELUXINA HIGH PERFORMANCE COMPUTING IN LUXEMBOURG	LuxProvide (LU)	MeluXina GPU	AMD Epyc	NVIDIA A100	5 000
 VEGA HPC	IZUM Maribor (SI)	Vega GPU	AMD Epyc	NVIDIA A100	5 000

EuroHPC - Fast Lane call

CALL STATUS: OPEN

Fast Lane Access to AI factories

Fast Lane access is intended for SMEs and startups performing AI activities that require medium size allocations.

- For **Industry users**
- For Users **familiar with HPC and** requiring up to **50,000 GPU hours** for a maximum of 3 months
- **Expert support** is provided by the selected AI Factory
- The process comprises **eligibility** and **technical assessment**.
- To provide **Access within 4 working days**

<https://access.eurohpc-ju.europa.eu/59>

SYSTEM*	SITE (COUNTRY)	PARTITION	PROCESSOR	ACCELERATOR	MAX. (MIN.) REQUEST**
 MN5 MARENOSTRUM	BSC (ES)	MNS ACC	Intel Sapphire Rapids	Nvidia Hopper	50 000 (Min. 10 000)
 LEONARDO CINECA	CINECA (IT)	Leonardo Booster	Intel Xeon	NVIDIA A100	50 000 (Min. 10 000)
 LUMI	CSC (FI)	LUMI-G	AMD Epyc	AMD Instinct	50 000 (Min. 10 000)
 MELUXINA HIGH PERFORMANCE COMPUTING IN LUXEMBOURG	LuxProvide (LU)	Meluxina GPU	AMD Epyc	NVIDIA A100	50 000 (Min. 10 000) (Max. per month 22 200)

EuroHPC – Large Scale call

CALL STATUS: OPEN

Large Scale Access to AI factories

Large Scale access mode is for AI models and applications requiring more than 50,000 GPU hours for a maximum of one year.

- For **Industry users**
- For More than **50,000 GPU hours**.
- Large Scale Access call is intended for applications performing **AI activities with high-impact**, high-gain innovative research.
- Allocations are granted for a period of 3, 6, or 12 months.
- To provide **Approval within 10 working days**

<https://access.eurohpc-ju.europa.eu/58>

SYSTEM*	SITE (COUNTRY)	PARTITION	PROCESSOR	ACCELERATOR	MAX. PER MONTH**	MAX. (MIN.) REQUEST***
	BSC (ES)	MN5 ACC	Intel Sapphire Rapids	Nvidia Hopper	250 000	3 096 576 (Min. 50 000)
	CINECA (IT)	Leonardo Booster	Intel Xeon	NVIDIA A100	946 660	11 360 000 (Min. 50 000)
	CSC (FI)	LUMI-G	AMD Epyc	AMD Instinct	1 403 000	16 840 260 (Min. 50 000)
Deadline model		Multiple cut-off				
Deadline dates		30 Jan 2026, 10:00 / 16 Feb 2026, 10:00 / 27 Feb 2026, 10:00 / 16 Mar 2026, 10:00 / 31 Mar 2026, 10:00 / 15 Apr 2026, 10:00 / 30 Apr 2026, 10:00 / 13 May 2026, 10:00 / 29 May 2026, 10:00 / 15 Jun 2026, 10:00 / 30 Jun 2026, 10:00 / 15 Jul 2026, 10:00 / 31 Jul 2026, 10:00 / 14 Aug 2026, 10:00 / 31 Aug 2026, 10:00 / 15 Sep 2026, 10:00 / 30 Sep 2026, 10:00 / 15 Oct 2026, 10:00 / 30 Oct 2026, 10:00 / 13 Nov 2026, 10:00 / 30 Nov 2026, 10:00 / 15 Dec 2026, 10:00 / 4 Jan 2027, 10:00 (CET)				

Access Calls – EuroHPC Playground call form

EuroHPC AI Factory Playground call
Proposal ID: DRAFT-19205
Draft

■ Project Application ^

● The Project

● Project Lead and Organisation information

● Team Members Information

● **AI Factory Selection**

○ Code Details and Feasibility

○ Ethics Self-Assessment

○ Eligibility Confirmation and Data Consent

AI Factory Selection

AI Factory Selection*

MareNostrum 5 ACC

Code(s) used*

This field is a multi-text field, for adding another code separate it with a comma

Requested amount of resources (GPU hours)*

5000

Maximum number of GPUs*

Total storage required (GB)*

Total amount of data to transfer to/from (GB)*

Deadline

31/12/2026 23:59 CET

 Documents

Delete Application

This section collects the key resource data that defines the technical scope of the request: the target cluster, which codes will be used, the total GPU hours for the project, the maximum number of GPUs per job, and the associated storage and data transfer requirements. Field labels are self-explanatory.

Access Calls – EuroHPC Playground call form

Project Application

The Project

Project Lead and Organisation information

Team Members Information

AI Factory Selection

Code Details and Feasibility

Ethics Self-Assessment

Eligibility Confirmation and Data Consent

Code Details and Feasibility

Code details

Name and version of the code*

Webpage and other references*

Description of the code

+ Code details

Scalability and performance

Describe the scalability and performance of the application*

Optimization of the work proposed

Explain how the optimization work proposed will contribute to future large scale applications*

Deadline

31/12/2026 23:59 CET

Documents

Delete Application

Specify the AI framework (*PyTorch, TensorFlow, JAX*) and version, the main programming language, and the key libraries or packages required. If applicable, include distributed training libraries (e.g., *DeepSpeed, FSDP, Horovod*) and optimization strategies (e.g., *FlashAttention, activation checkpointing, mixed precision*).

Access Calls – EuroHPC Large Scale call form



EuroHPC AI Factory Large Scale call

Proposal ID: DRAFT-19207

Draft

Project Application

- The Project
- Project Lead and Organization Information
- Team Members Information
- AI Factory Selection
- Code Details and Feasibility
- Dissemination Strategy**
- Collaboration and Funding
- Ethics Self-Assessment
- Eligibility Confirmation and Data Consent

Dissemination Strategy

Describe the routes that you will use for dissemination of the project and for any appropriate knowledge transfer. This should include any resources that you will be using to support this.

Dissemination strategy description

Back

Save Changes

Next

Deadline

15/07/2026 10:00 CEST

 Documents

Delete Application

BSC Support Knowledge Center

EuroHPC AI Factory: Technical Guide for Proposals

May 22, 2026 · 7 min read



Felix Fernando Ramos Velazquez
HPC User Support

Purpose

This document helps applicants identify which AI Factory call best matches their project and provides guidance on the technical information needed to assess project viability on the requested HPC infrastructure (e.g., MareNostrum 5 ACC). A well-documented proposal accelerates the review process and increases the probability of approval.

Guidance on call selection

Call selection depends on multiple factors: GPU hours, GPUs per job, user experience, workload type, and scalability evidence. The selected call determines the evaluation process and the expected level of technical justification.

Choosing the right call

- EuroHPC AI Factory **Playground**: first-time users, prototyping, testing, small-scale training, moderate workloads.
- EuroHPC AI Factory **Fast Lane**: experienced users, medium-scale training.
- EuroHPC AI Factory **Large Scale**: high-impact research, projects requiring a large total number of

AI Factory calls

Call	GPU hours	Max GPUs	Key requirement
Playground	≤ 5,000	1 – 8	No scaling data required
Fast Lane	5,001 – 50,000	≤ 64 (typical)	Scaling justification required
Large Scale	> 50,000	up to 400+	Detailed scaling data required

Quick selection guide

If your project...	Choose...
First HPC experience, no scaling data, ≤5,000 GPU hours	Playground
Up to 8 GPUs per job, testing multi-GPU for the first time	Playground
Prior HPC experience, tested on 2–4 GPUs, up to 50,000 GPU hours	Fast Lane
Up to 64 GPUs per job, throughput measurements available	Fast Lane
Proven HPC experience with detailed scaling data, requesting >50,000 GPU hours	Large Scale
Large total volume of work (e.g., many jobs, sweeps, or high GPU counts) with strong justification	Large Scale

Access Calls - RES

Red Española de Supercomputación (RES), created in 2007

- Member of the Spanish Unique Scientific and Technical Infrastructures network (ICTS)
- Composed of 14 members, offering access to:
 - 16 High-Performance Computing systems
 - 9 Data Management facilities



Access Calls - RES

HPC - Supercomputación

Acceso a recursos basados en CPU para simulación y supercomputación convencional.

Convocatoria de **actividades:**

Cada 6 meses, fast-track siempre abierto.

Próxima deadline: Septiembre 2026

[Accede a los recursos HPC](#)

[Más Sobre Recursos HPC →](#)

IA - Inteligencia artificial

Acceso a recursos de computación acelerados por GPU para proyectos de IA y Deep Learning.

Convocatoria de **actividades:**

Cada 6 meses, fast-track siempre abierto

Próxima deadline: Septiembre 2026

[Accede a los recursos de IA](#)

[Más Sobre Recursos IA →](#)

Access Calls - RES

QUANTUM - Computación Cuántica

Acceso a ordenadores cuánticos digitales y emuladores de la RES.

Dispone de [guía de acceso propia](#).

Convocatoria de [actividades](#):

Cada 6 meses, fast-track siempre abierto

Próxima deadline: Septiembre 2026

[Accede a los recursos QUANTUM](#)

[Más Sobre Recursos QUANTUM →](#)

DATOS - Gestión de Datos

Acceso a recursos de gestión y explotación de grandes volúmenes de datos

Convocatoria de [actividades](#):

Anual

Próxima deadline: Noviembre 2026

[Accede a los recursos de IA](#)

[Más Sobre Recursos DATOS →](#)

RES – Fast Track call

1. General Information
2. Research Project Description
3. Software and Numerical Libraries
4. Research Team Description
5. Resources (MN5 GPP / ACC)
6. Abstract
7. Contact with CURES during last year
8. Usage Terms & Conditions

<https://res-intranet.bsc.es/res-intranet/add-fast-activity>





Barcelona
Supercomputing
Center
Centro Nacional de Supercomputación



RED ESPAÑOLA DE
SUPERCOMPUTACIÓN

RES - Red Española de Supercomputación
Intranet Area

RES Users Committee External links ▼ Miquel Corella ▼

Home > New Application
newActivityViewTemplate.php

New Application
New activity application for actual period

 **Warning:** You have not authorized the incorporation of your e-mail address to our distribution list. This means that you will not receive a reminder of RES deadlines for applications. You can change this option in [My Account](#)

1. General Information

a) Activity Title

b) Area

Astronomy, Space and Earth Sciences ▼

Your application will be evaluated by different expert teams depending on your area selection.

c) Type of application

☒ Fast HPC Access application, with estimated allocation in 2 weeks. Limited resources allocated in low priority queues, with evaluation of results obtained before allowing access renewal

2. Research Project Description

a) Brief description of the Project

If this Activity takes place in the context of a Scientific Research Project, give a brief description of the Project, including the reference of National or International grants which support it. Summarize the research in the context of the current state-of-the-art, including references if appropriate. (Maximum 5000 characters).

Contact & Follow us



www.bsc-aifactory.eu



<https://www.linkedin.com/company/bsc-ai-factory>



<https://form.typeform.com/to/Pog9iEFH>



This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101234399 and Spain, Portugal, Romania and Türkiye. The JU receives support from the European Union's Horizon Europe Programme.



Co-funded by
the European Union



Generalitat
de Catalunya



EuroHPC
Joint Undertaking



Thank you!

Miquel Corella

miquel.corella@bsc.es



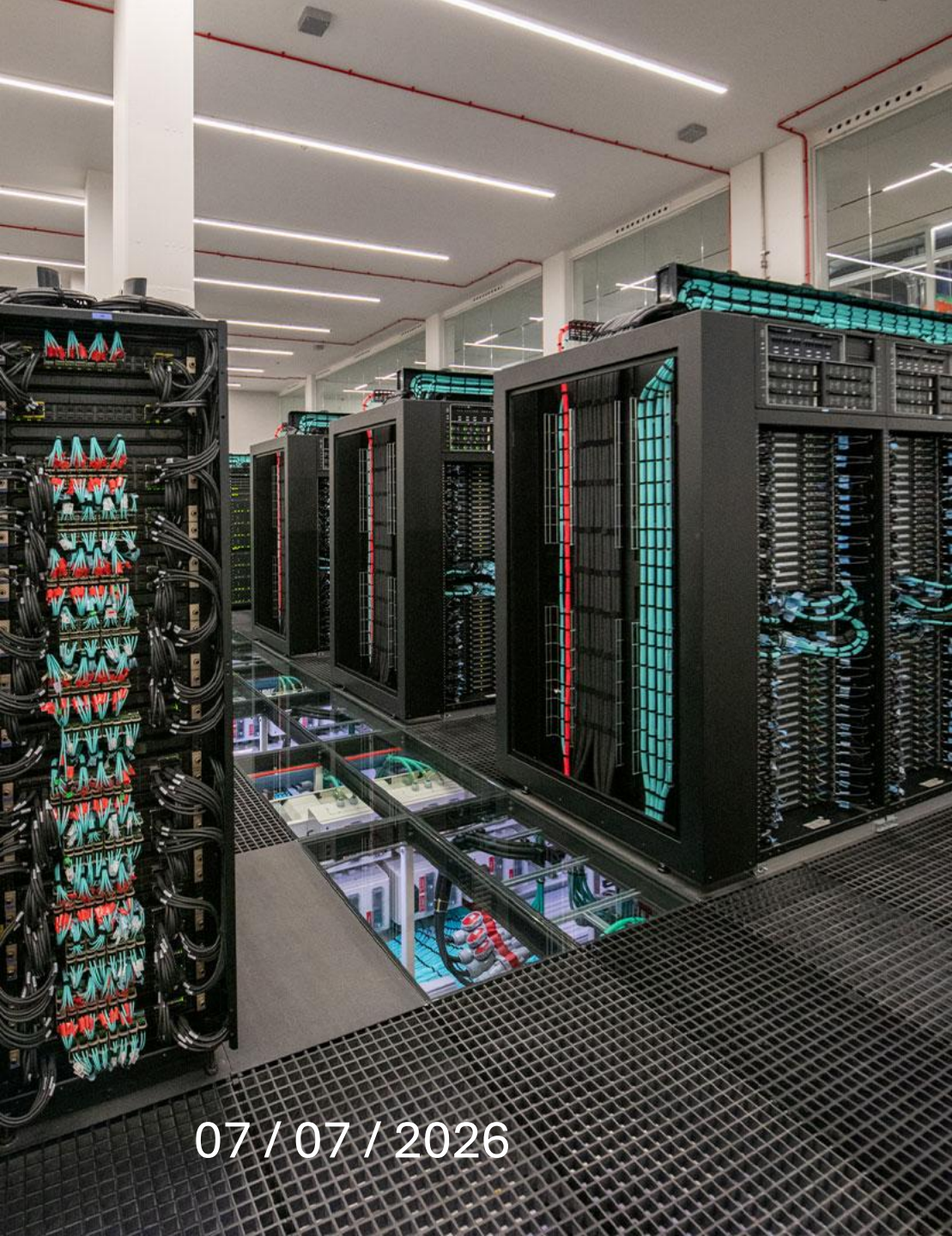
BSC AI Factory Partners



Affiliated entities



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07 / 07 / 2026



BSC AI Factory

Accelerating AI innovation

Albert Cañigueral

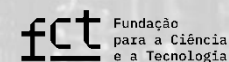
BSC AIF One-stop-shop manager



CLARIAH-CAT

Xarxa Catalana Multidisciplinar
per a les Humanitats Digitals

BSC AI Factory Partners



Affiliated entities



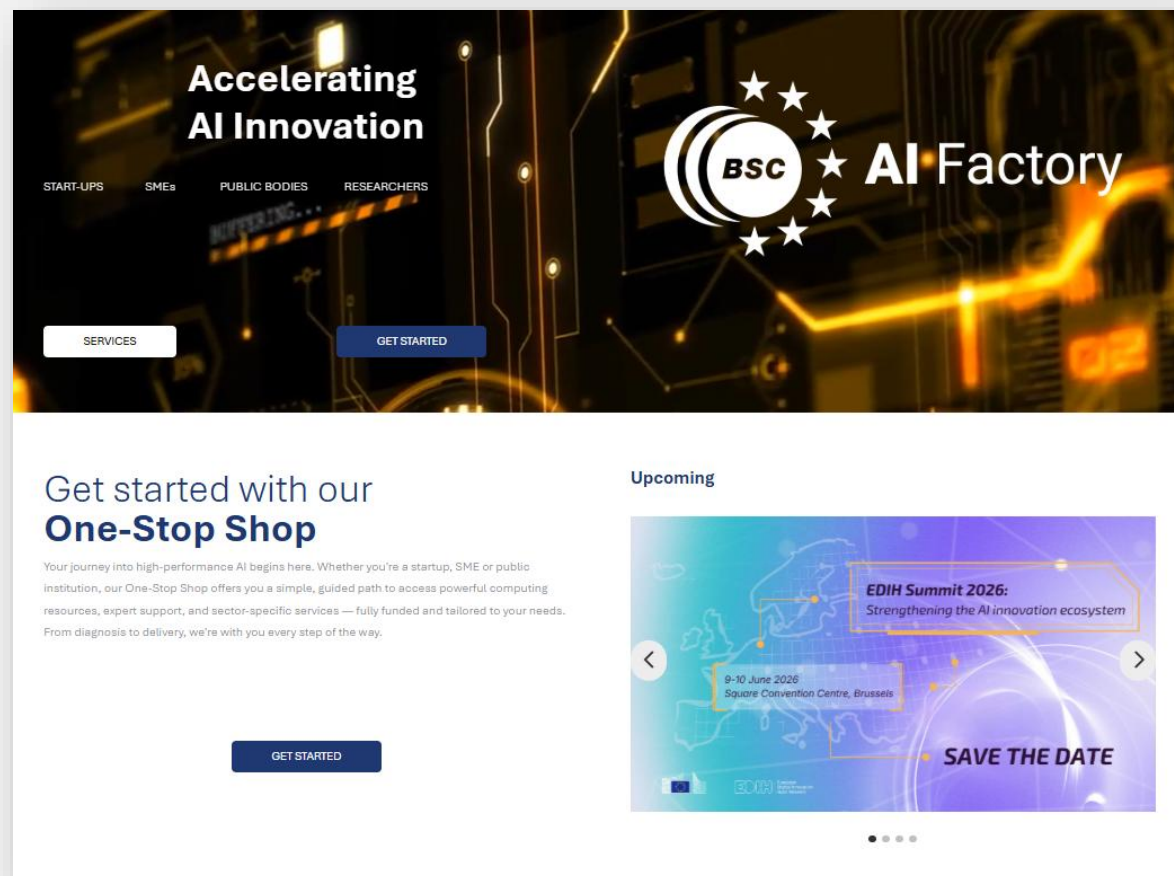
UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



BSC AI Factory



BSC AI Factory



<https://bsc-aifactory.eu/>

What makes BSC AI Factory so special?

One of the first AI
Factories in
Europe

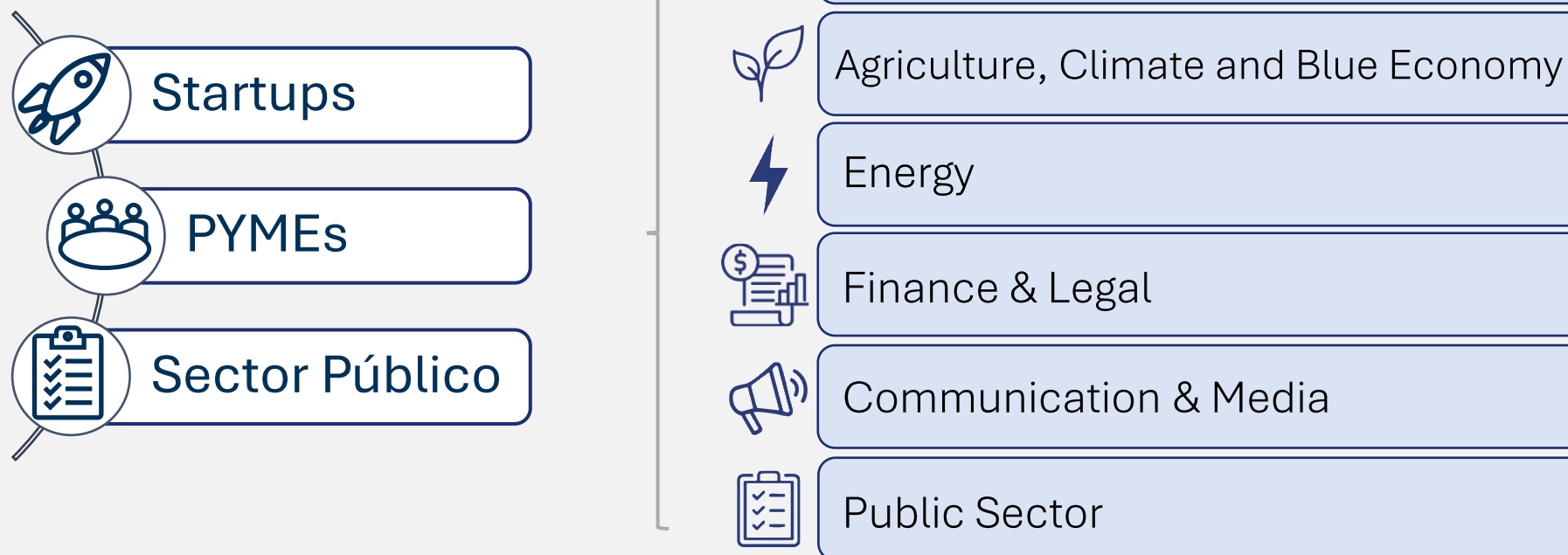
20 years of BSC's
scientific
trajectory

HPC
MareNostrum 5
& AI upgrade



Dónde la BSC AI Factory puede generar impacto

La BSC AI Factory impulsa la adopción de IA en organizaciones clave y en sectores estratégicos



One-stop-shop: the path towards resources



Foundations & AI Expertise

Infrastructure & Computational Resources Access	AI Development Data-Related Services	AI Development Advisory Services	Trustworthy AI	Ad hoc AI Services & Expert Consulting
- Infrastructure & Computational Resources Access - Onboarding Support - High-level Technical Access Support	- Data Discovery - Data Stewardship - Data as a Service - Model & Dataset Publication	- Advisory on Model Fine-tuning - Advisory on Model Benchmarking - Advisory on Prompt Engineering - Advisory on RAG Systems	- Consultancy on Ethical & Legal AI Self-Assessment - AI Trustworthiness Consultancy	- Ad hoc AI Services - Healthcare & Clinical Environments - Climate & Earth System Analysis - LangTech Expert Briefings

Adoption, Skills & Ecosystem

Training & Skills Development	AI Ecosystem & Engagement	Enablement & Introductory Services
- Courses Catalogue - Learning Platform / Online Modules	- Events & Co-Marketing - Incubation Spaces	- Briefing about BSC AI Factory and initial customer assessment - Sectoral AI Maturity Assessment - Questionnaire - Issuance of BSC AIF Certificates

One-stop-shop: the path towards resources



Foundations & AI Expertise

Infrastructure & Computational Resources Access	AI Development Data-Related Services	AI Development Advisory Services	Trustworthy AI	Ad hoc AI Services & Expert Consulting
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Adoption, Skills & Ecosystem

Training & Skills Development	AI Ecosystem & Engagement	Enablement & Introductory Services
- Courses Catalogue - Learning Platform / Online Modules	- Events & Co-Marketing - Incubation Spaces	- Briefing about BSC AI Factory and initial customer assessment - Sectoral AI Maturity Assessment - Questionnaire - Issuance of BSC AIF Certificates

USE CASE 1

Qualigrafo: Intelligent Publishing Assistant

THE CHALLENGE

Publishing teams spend significant time reviewing manuscripts, generating summaries, preparing marketing materials, and adapting content for different audiences and distribution channels.

THE AI SOLUTION

- **Content Assistant:** AI-powered support for manuscript analysis, summarization, and editorial workflows.
- **Immediate Value:** Faster content preparation and reduce manual effort across publishing teams.
- **Audience Reach:** Generate tailored content for readers, marketing campaigns, and digital channels from a single source.



BSC AIF Service – 2.1 Data Discovery, 2.2 Data Stewardship, 3.2 Advisory on Model Benchmarking, 5.1 Ad hoc AI Services

BSC AI Factory supported the evaluation of AI technologies for publishing and content management activities, assessing different approaches to improve content processing, editorial productivity, and information accessibility.

USE CASE 2

Cercle d'Economia: Knowledge Intelligence Platform

THE CHALLENGE

Research teams manage large volumes of reports, studies, policy documents, and economic analyses that are difficult to search, compare, and reuse efficiently.

THE AI SOLUTION

- **Research Copilot:** AI-powered search and synthesis across institutional knowledge repositories.
- **Immediate Value:** Faster access to relevant insights and reduce research preparation time.
- **Institutional Knowledge:** Preserve and leverage decades of reports, publications, and expert contributions.



BSC AIF Service – 2.1 Data Discovery, 2.2 Data Stewardship, 5.1 Ad hoc AI Services

BSC AI Factory provided advisory support to identify, assess, and structure relevant information sources across reports, publications, policy papers, and institutional knowledge assets. The engagement focused on understanding the available data landscape and identifying opportunities to enhance knowledge accessibility and reuse.

USE CASE 3



MAFER: Industrial Knowledge Assistant

THE CHALLENGE

Operational teams rely on dispersed technical documentation, procedures, and expert knowledge that can be difficult to access during maintenance and production activities.

THE AI SOLUTION

- **Industrial Assistant:** AI-powered access to procedures, manuals, and operational know-how.
- **Immediate Value:** Reduce time spent searching documentation and faster issue resolution.
- **Knowledge Retention:** Capture expert knowledge and make it accessible across the organization.



BSC AIF Service – 2.1 Data Discovery, 2.2 Data Stewardship, 2.3 Data as a Service, 3.4 Advisory on RAG Systems, 7.2 Incubation Spaces

BSC AI Factory provided advisory support on Retrieval-Augmented Generation (RAG) approaches to enable secure access to technical documentation, operational procedures, and internal knowledge repositories. The engagement helped identify suitable architectures, information retrieval strategies, and governance considerations for an AI-powered knowledge assistant.

Accelerating innovation with AI & HPC boosters



Artificial Intelligence (AI)
Supercomputing (HPC)

BSC AIF – What it is and what it is not



- Strategic guidance (you are the one doing it)
- All IPR is yours (but we appreciate if you can open some results)
- Free of charge (but we'll tell you what's the cost)



- Free hands-on development
- A strategic long-term relationship with BSC
- A free cloud service to deploy your projects

One-stop-shop: the path towards resources



Foundations & AI Expertise

Infrastructure & Computational Resources Access	AI Development Data-Related Services	AI Development Advisory Services	Trustworthy AI	Ad hoc AI Services & Expert Consulting
- Infrastructure & Computational Resources Access - Onboarding Support - High-level Technical Access Support	- Data Discovery - Data Stewardship - Data as a Service - Model & Dataset Publication	- Advisory on Model Fine-tuning - Advisory on Model Benchmarking - Advisory on Prompt Engineering - Advisory on RAG Systems	- Consultancy on Ethical & Legal AI Self-Assessment - AI Trustworthiness Consultancy	- Ad hoc AI Services - Healthcare & Clinical Environments - Climate & Earth System Analysis - LangTech Expert Briefings

Adoption, Skills & Ecosystem

Training & Skills Development	AI Ecosystem & Engagement	Enablement & Introductory Services
- Courses Catalogue - Learning Platform / Online Modules	- Events & Co-Marketing - Incubation Spaces	- Briefing about BSC AI Factory and initial customer assessment - Sectoral AI Maturity Assessment - Questionnaire - Issuance of BSC AIF Certificates

One-stop-shop: the path towards resources



Foundations & AI Expertise

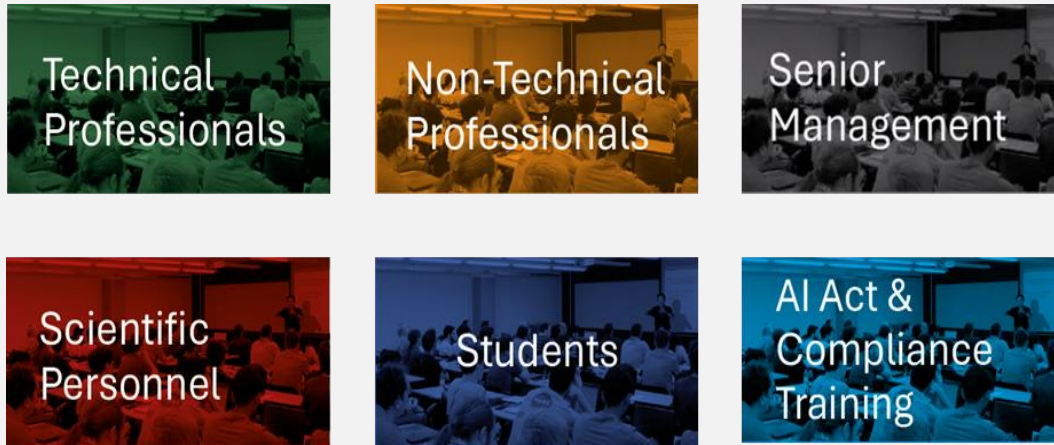
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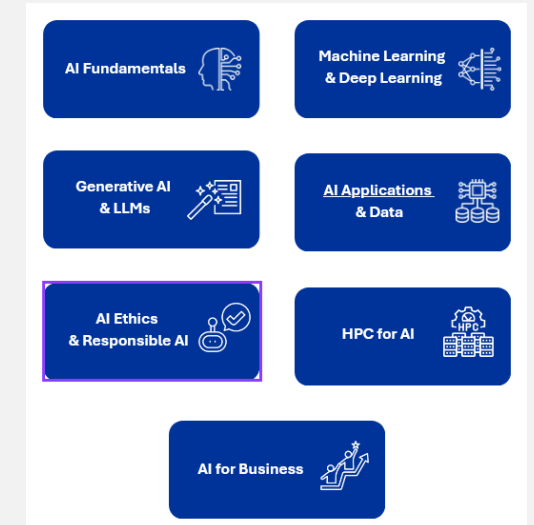
BSC AIF – Lots of training opportunities

Six Programmes



Seven Thematic Domains

- AI Fundamentals
- Machine Learning & Deep Learning
- Generative AI & LLMs
- AI Applications & Data
- AI Ethics & Responsible AI
- HPC for AI
- AI for Business



BSC AIF - Service Catalogue – Adoption, Skills & ecosystem

Training & Skills Development 	AI Ecosystem & Engagement 	Enablement & Introductory Services 
• Courses Catalogue • Learning Platform / Online Modules	• Events & Co-Marketing • Incubation Spaces	• Briefing about BSC AI Factory and initial customer assessment • Sectoral AI Maturity Assessment - Questionnaire • Issuance of BSC AIF Certificates



MAFER AI

Crata AI



<https://x4hpc.cat/mwc26/ai-startup-exhibitors/>

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Acces Modalities

1. Incubation Space

A Dedicated Incubation Space for Early-Stage Startups, providing a structured and tailored growth environment and a specific activity plan for them. This access is provided through competitive calls and lasts for 6 months.

- Barcelona, Lisbon, Guimarães and Bucharest.

2. Coworking Space

Open Coworking Spaces for AI Stakeholders, experts , aimed at fostering collaboration, knowledge exchange, and ecosystem connectivity. This access is via an open form where you can select your planned dates of attendance.

- **Where:** Barcelona, Lisbon, Guimarães and Bucharest.



Barcelona



Lisboa & Guimarães

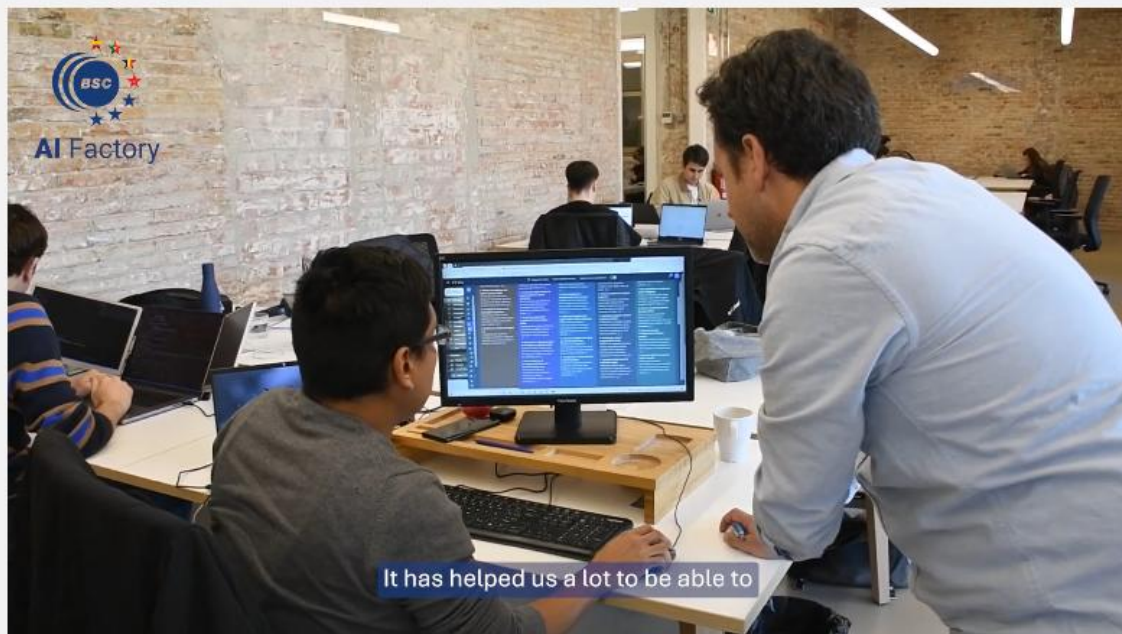


Bucharest

BSC AIF – Incubation & coworking space @ Pier07 BCN



BSC AIF - Coworking (daily) & incubation (6 months)



BSC AIF - Coworking (daily) & incubation (6 months)



Product For who Features About Team

Medical when it

Try it out!



Foundation

IA

Guía del producto

Industrias



Reservar una demo

La plataforma de sistemas de ingeniería por

Una plataforma intuitiva para ingeniería
certificación con IA, garantizando trazabilidad

Solicitar una demo



Blog



ES

Iniciar Sesión

Convierte tu tecnología en mercado y pipeline, en días

IA que unifica análisis técnico (patentes y estado del arte),
inteligencia de mercado, cuentas objetivo y outreach.
Validación 83% más rápida — de ~6 meses a ~5 semanas.

Para equipos de I+D industrial, innovación, producto e ingeniería. También para
oficinas de transferencia tecnológica (TTOs) y centros de investigación que buscan
reducir su backlog de activos sin salida comercial.



BSC AIF – Lots of training opportunities

 Scientific Personnel <u>Building and Deploying LLMs (Large Language Models)</u> Date 06/07/2026 Location Room E106, C6 Building, Campus Nord UPC C. Jordi Girona, 1-3 08034 Barcelona, Spain More info	 Students <u>Advanced Econometrics and Deep Learning for Financial Time Series</u> Date 07/09/2026 Location UPC North Campus More info	 Student <u>Deep Learning for Computer Vision</u> Date 14/09/2026 Location UPC North Campus More info
 Students <u>Shallow Learning</u> Date 14/09/2026 Location UPC North Campus	 Students <u>Neural Language, Speech, and Multimodal Models</u> Date 05/10/2026 Location UPC North Campus	 Students <u>Visual Tools for AI</u> Date 30/11/2026 Location UPC North Campus, Barcelona

BSC AIF - Start here

1



Apply

Fill in a short form telling us about your organisation and goals.

2



Talk to us

A free exploratory call to understand your challenges and ideas.

3



Get a plan

We propose a tailored, low-effort pilot — no obligation.

4



Run the pilot

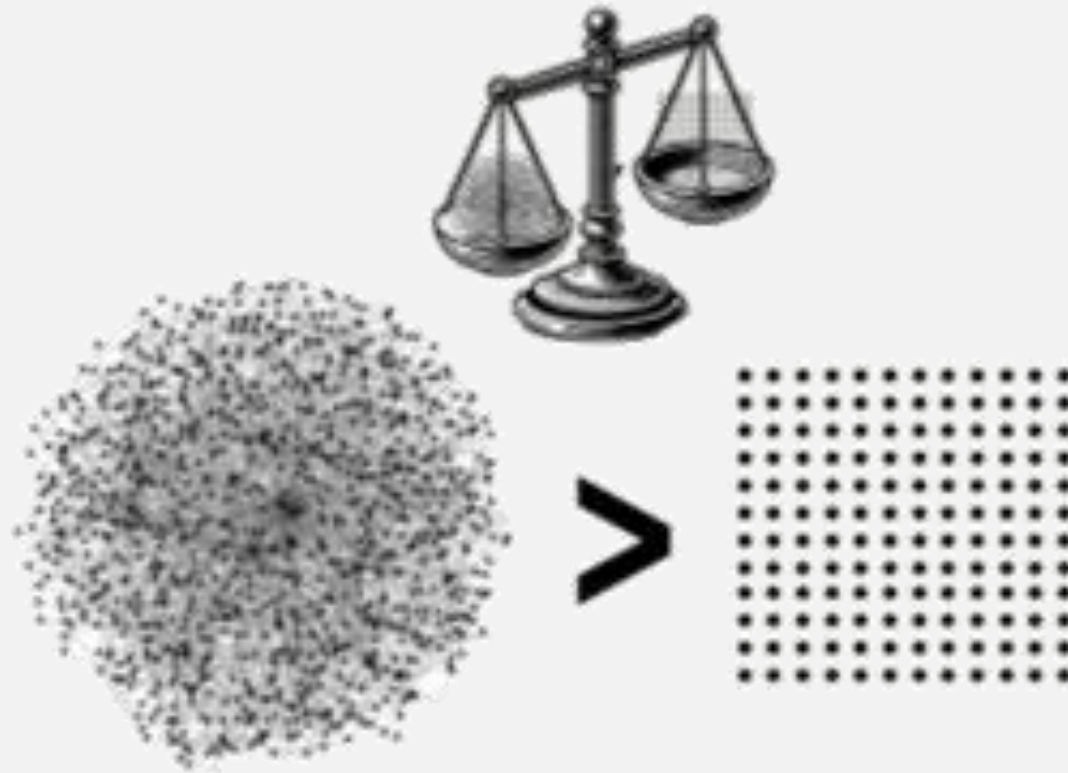
Build and test your AI use case with our experts and infrastructure.

Start with one targeted department or use case, then expand only if it works.

BSC AI Factory Ecosystem Activities



Beyond BSC – Systems thinking & indirect impact



BSC AIF – “Partners Program”

IEEC^R

Institut d'Estudis
Espacials de Catalunya

ACCIÓ



asabys



 **Nextbit**

 **OuiCheck**
RESPONSIBLE AI

 **Galtea**

asabys



BSC AIF Sectoral Hubs – Fostering sectoral collaboration



Hub Sectora Focus	Lead organisation
Health, Pharma & Biotech	Tecnalia
Agriculture, Climate & Blue Economy	CTIC
Energy	ITG
Finance & Legal	ITI
Communication & Media	Eurecat

Fostering sectoral collaboration for ambitious AI solutions

BSC AIF - Acceleration program



4 x locations



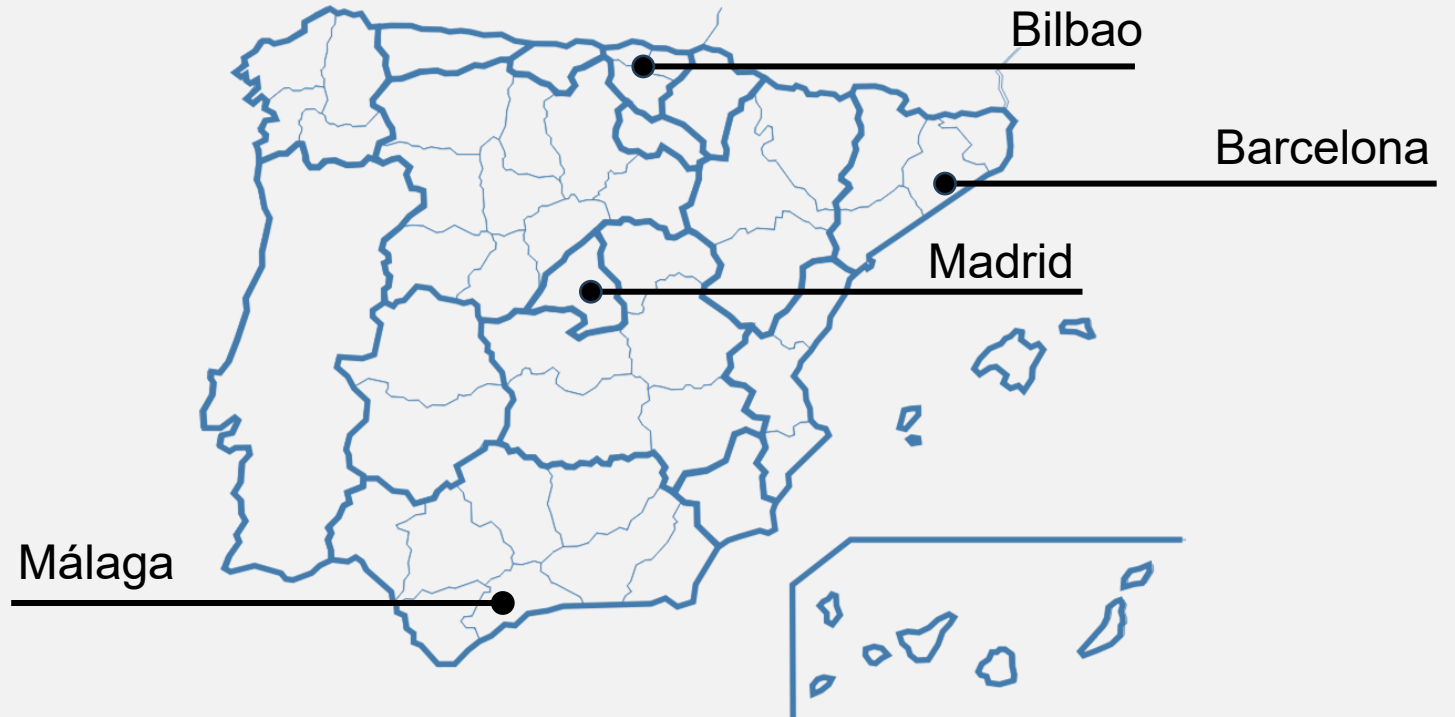
3 x calls until mid 2028



25 startups @ location x call

Operated by:

peninsula



Contact & Follow us



www.bsc-aifactory.eu



<https://www.linkedin.com/company/bsc-ai-factory>



<https://form.typeform.com/to/Pog9iEFH>



albert.canigueral@bsc.es

www.bsc-aifactory.eu



BSC AI Factory Partners



Affiliated entities



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