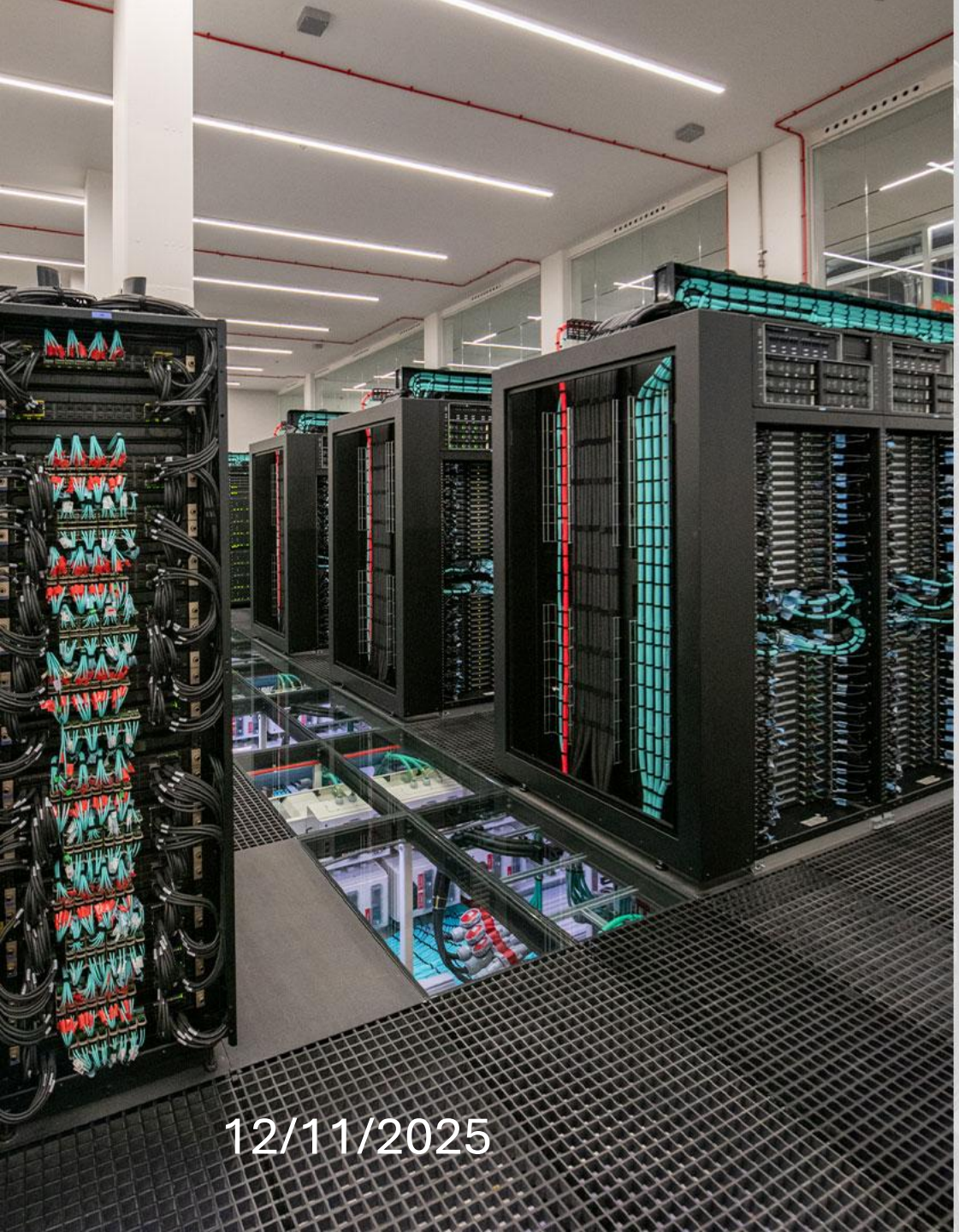


12/11/2025

BSC AI Factory

BSC AI Factory

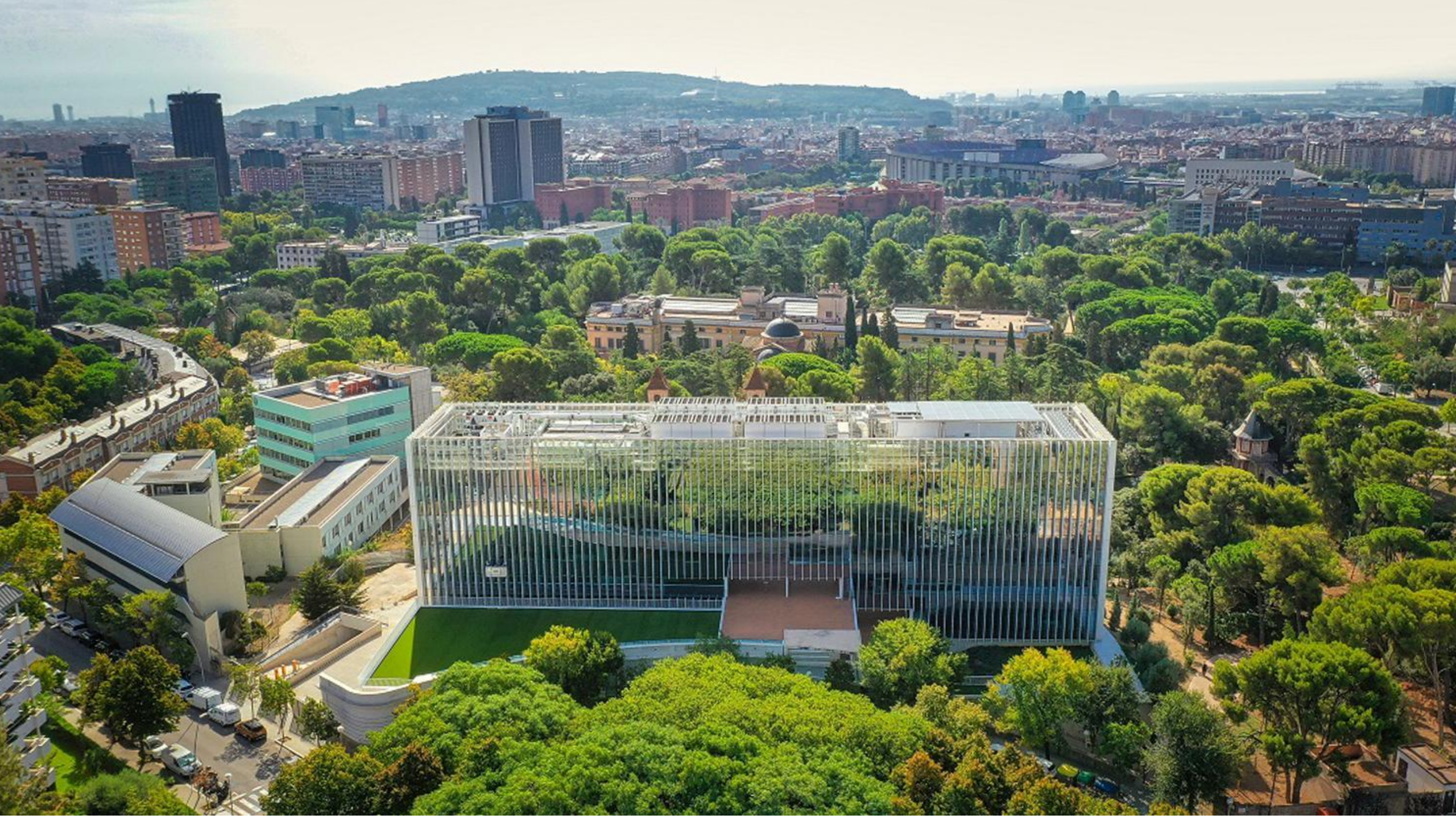
AI in Europe: Unlocking opportunities for your business

Sergi Besonias, Spin Off Portfolio Manager

Sergi.besonias@bsc.es

BSC AI Factory Partners

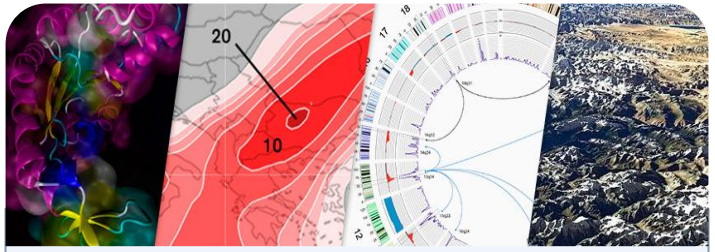
Affiliated entities



Barcelona Supercomputing Center – Centro Nacional de Supercomputación

BSC-CNS objectives

Supercomputing services to Spanish and EU researchers



R&D in Computer, Life, Earth and Engineering Sciences

PhD programme, technology transfer, public engagement

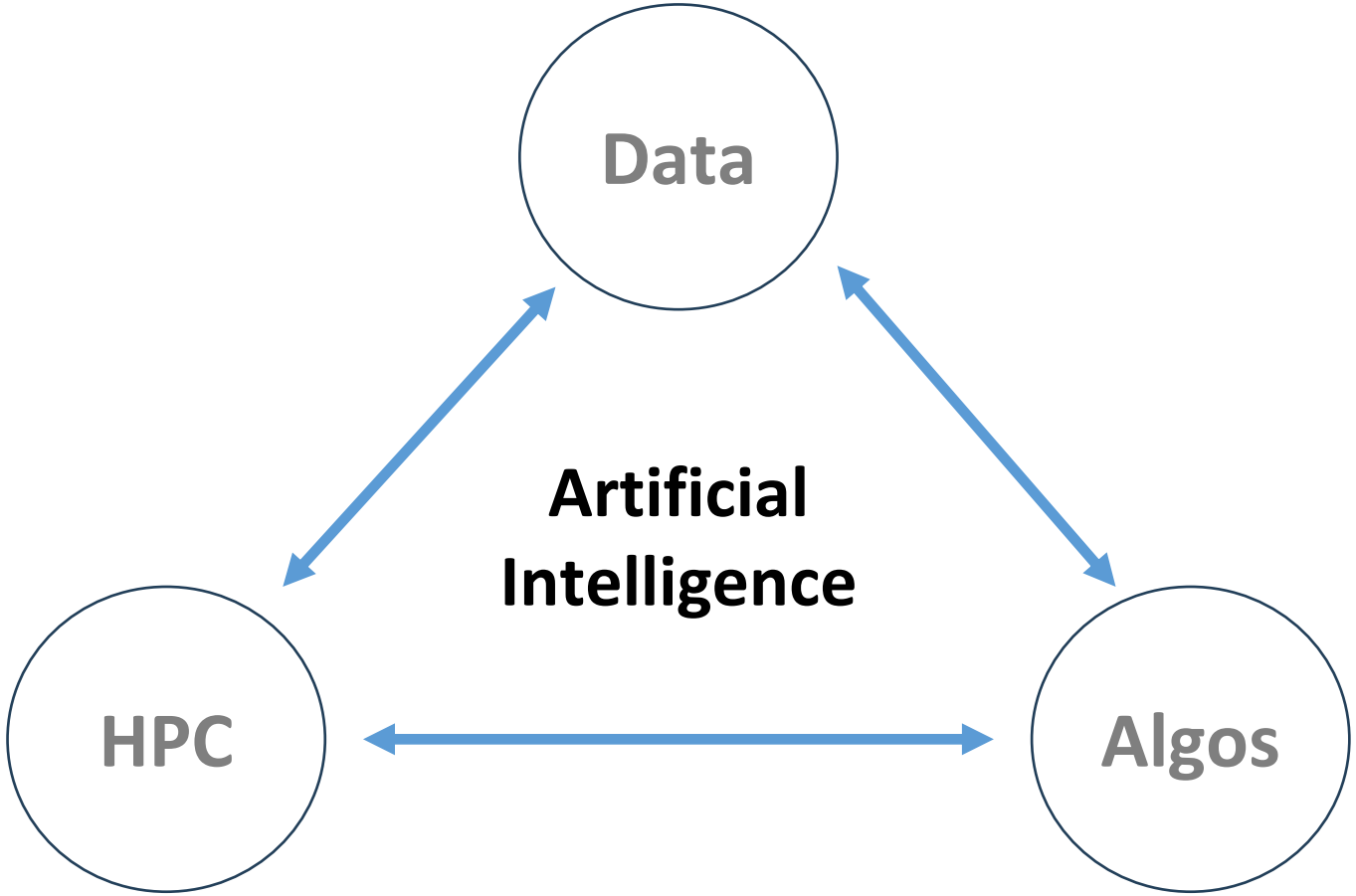
BSC-CNS is a consortium that includes

Spanish Government	60%	Gobierno de España · Ministerio de Ciencia, Innovación y Universidades
Catalan Government	30%	Generalitat de Catalunya · Departament d'Empresa i Coneixement
Univ. Politècnica de Catalunya (UPC)	10%	Universitat Politècnica de Catalunya · BarcelonaTech

Barcelona Supercomputing Center
Centro Nacional de Supercomputación

20 YEARS BSC

The AI revolution



From academia to innovation!

Barcelona Supercomputing Center
Centro Nacional de Supercomputación

AI Factory

TRANSFORMING A RESEARCH CENTER INTO AN INNOVATION CENTER!

AI Factory

BSC AI Factory – Overview

A joint initiative

- Barcelona Supercomputing Center – Centro Nacional de Supercomputación (BSC-CNS)
  - Universitat Politènica de Catalunya
- Fundação para a Ciência e a Tecnologia, I.P. (FCT)
  - Centro Nacional de Computação Avançada
- Scientific and Technological Research Council of Türkiye (TÜBİTAK)
- National Institute for Research & Development in Informatics (ICI București)

BSC AI Factory - Objectives

#1 Lowering entry barriers to AI

BSC AI Factory simplifies access to computing resources and offers support to start-ups, public administrations, SMEs, and new users across Europe.

#2 AI talent capacity development

Invest in education, training, and skills to grow Europe's AI workforce

#3 From research to society & market at scale

Accelerate the translation of innovation into real-world impact.

#4 Foster the open innovation ecosystem

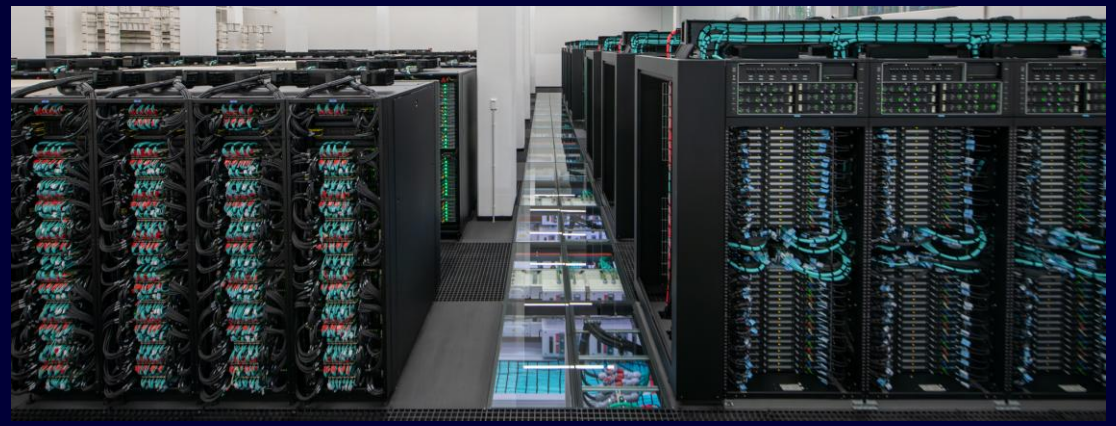
Encourage collaboration across academia, industry, and public institutions.

BSC AI Factory

BSC AI Factory – Overview

AI Factory SERVICES

42M€



MN5 AI 154M€ (TCO)

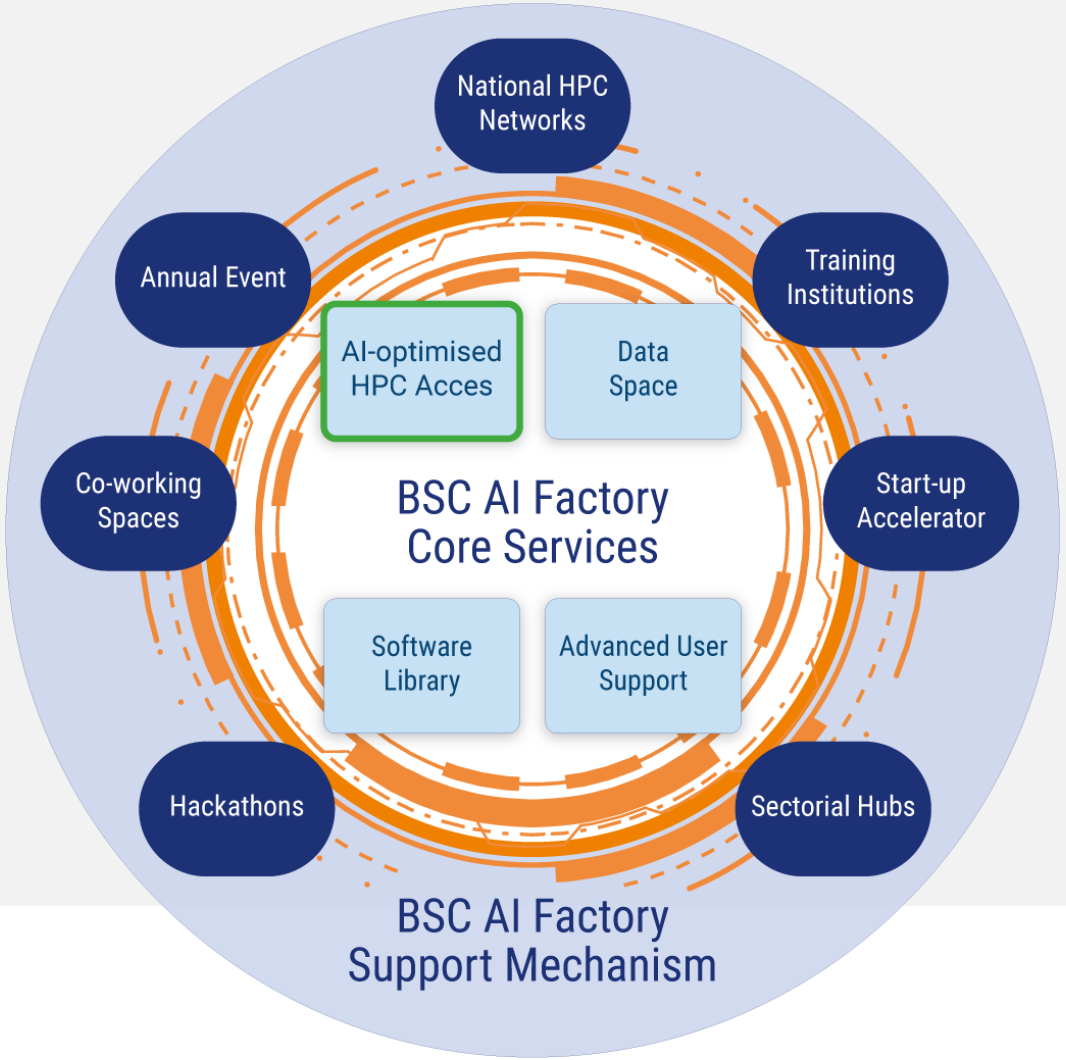
Experimental Platform
1,28M€

BSC AI Factory

BSC AI Factory – Services

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

- **Breaking AI innovation entry barriers** (HPC capacity & technical expertise)
- **Generating an AI-related innovation ecosystem** (networking, funding, talent…)
- **Training the workforce for AI-driven economies**



BSC AI Factory

BSC AI Factory – Eligibility & priority sectors

EuroHPC
Joint Undertaking

Startups

SMEs

Public sector

- Health
- Agriculture and Climate
- Finance and Legal
- Public Sector
- Communication and Media
- Energy

BSC AI Factory

BSC AI Factory - Initial Entry Form

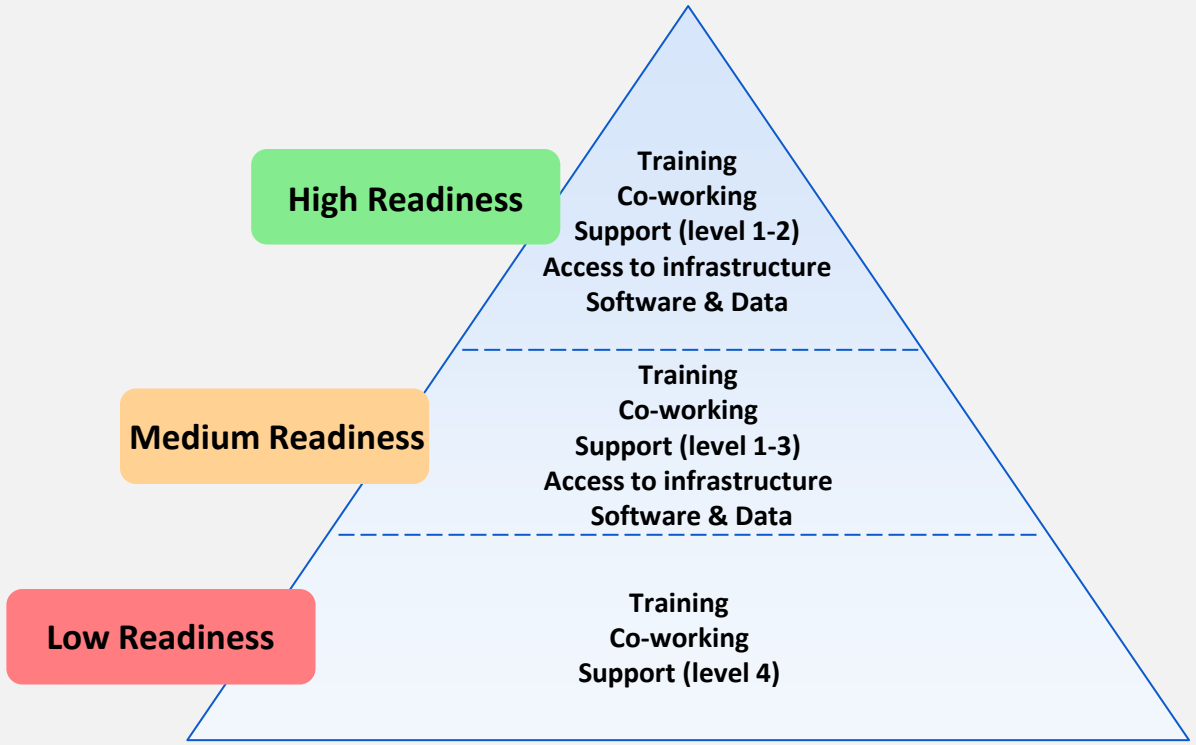
https://bit.ly/BSC_AIF

BSC AI Factory

BSC AI Factory – User journey

BSC AI Factory

AI Factory support services by user AI readiness



BSC AI Factory

BSC AI Factory – User journey

BSC AI Factory

BSC AI Factory – AI talent capacity development

Service: Training on Trustworthy AI

Senior Management Training Development

Technical Training Program Development (Fundació UPC)

Non-Technical Training Program Development

Student-Focused Initiatives Development (UPC)

Scientist Training and Support Development (BSC)

Ethical AI Training (TÜBITAK)

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BSC AI Factory – Coworking service

Service: Coworking space

10
COMPANIES

22
HOT DESKS

5
SPOTS AVAILABLE PER COMPANY

- **Office**
  **Equipped with microwave, coffee, fridge....*
- **Security**
- **Internet connection**
- **2 Meeting Rooms (8 pax)**
- **3 Individual Meeting Cabins**
- **Hot Desk Secretary**
- **Adapted Equipment**
- • • • **Other available facilities**
  **Terrace, Auditorium..*

Tech Barcelona

BSC AI Factory

BSC AI Factory – Advanced user support

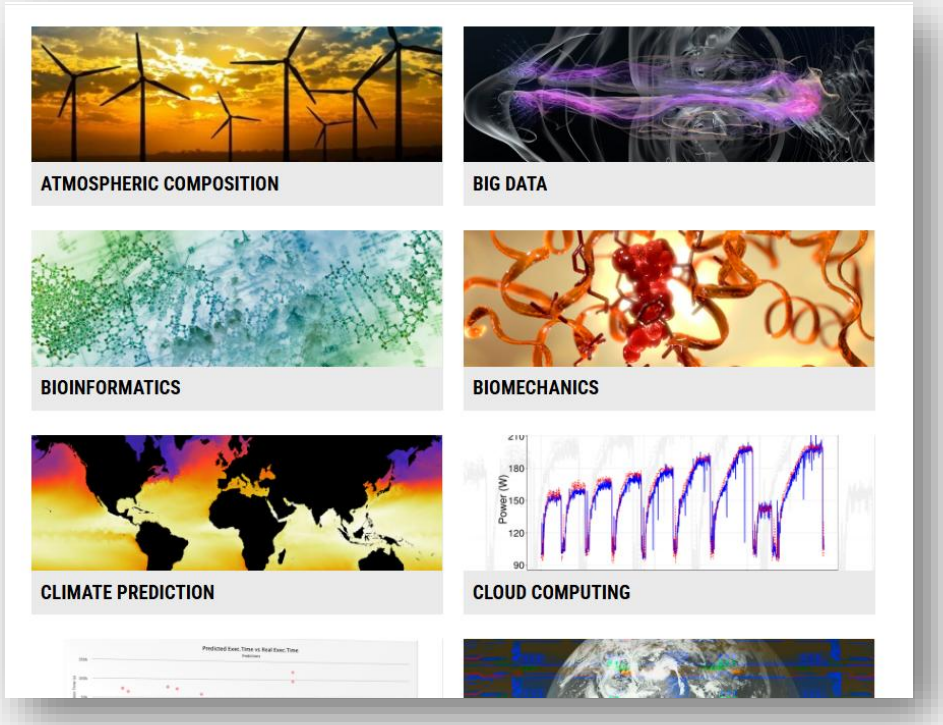
Service: Advanced user support (~30h)

BSC AI Factory

BSC AI Factory – Advanced user support

Service: Advanced user support (~30h)

1) Providing sectorial scientific expertise
   - Curated software
   - Curated datasets



https://www.bsc.es/research-and-development/research-areas

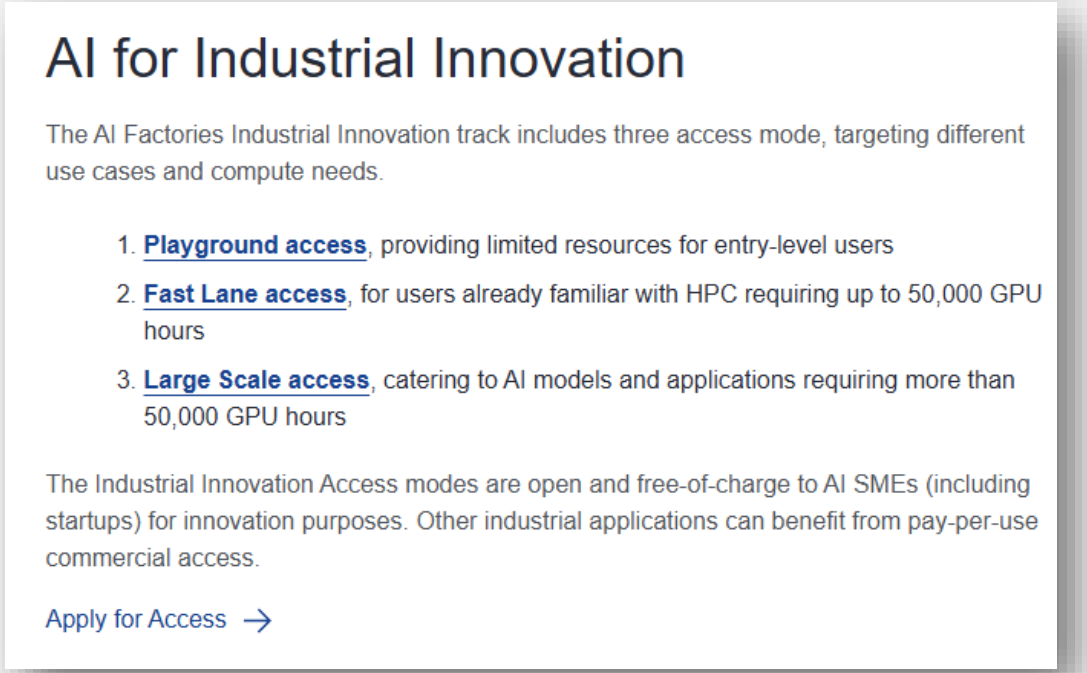
BSC AI Factory

BSC AI Factory – Advanced user support

Service: Advanced user support (~30h)

1) Providing sectorial scientific expertise
   - Curated software
   - Curated datasets

2) Requesting access to HPC resources
   - Via EuroHPC forms



AI for Industrial Innovation

The AI Factories Industrial Innovation track includes three access mode, targeting different use cases and compute needs.

1. **Playground access**, providing limited resources for entry-level users
2. **Fast Lane access**, for users already familiar with HPC requiring up to 50,000 GPU hours
3. **Large Scale access**, catering to AI models and applications requiring more than 50,000 GPU hours

The Industrial Innovation Access modes are open and free-of-charge to AI SMEs (including startups) for innovation purposes. Other industrial applications can benefit from pay-per-use commercial access.

Apply for Access →

BSC AI Factory

https://www.eurohpc-ju.europa.eu/ai-factories/ai-factories-access-modes_en

BSC AI Factory – Advanced user support

Service: Advanced user support (~30h)

1) Providing sectorial scientific expertise
   - Curated software
   - Curated datasets

2) Requesting access to HPC resources
   - Via EuroHPC forms

3) Operating on a HPC environment
   - Mid level abstraction (Containers)
   - Low level access (Console)

BSC AI Factory

Turkish-specific LLM for Information Processing and Contextual Analysis

Core Innovation

- Turkish-tailored LLM optimized for complex morphology and sector-specific language
- Builds dynamic knowledge networks and enables natural AI interaction
- **375.000 node-hours GPU** used of MareNostrum5 supercomputer

Accessible & Scalable Technology

- **No coding needed: simple interface powered by advanced orchestration systems**
- **Upload documents, select from 200+ models, and extract insights via AI chat**

Strategic Impact

- **Democratizes AI:** Accessible for research labs, SMEs and enterprises
- Accelerates digital transformation with affordable, scalable tools
- Boosts national AI capacity **aligned with Türkiye's AI strategy and development plan**
- **Strengthens sovereignty** by reducing foreign AI dependency
- Positions Türkiye as a **global leader in AI** innovation backed by European HPC collaboration

Business applications

- **Legal** : Contract analysis, compliance automation, smart legal research
- **Financial** : Risk assessment, regulatory monitoring, enhanced customer service
- **Public Administration**: Policy analysis, citizen service automation, inter-agency coordination

BSC AI Factory

BSC AI Factory – How to stay up to date

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

https://aifactory.bsc.es/

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AI Factories

SERGI.BESONIAS@BSC.ES

Co-funded by the European Union

EuroHPC Joint Undertaking

Gobierno de España · Ministerio para la Transformación Digital y de la Función Pública

Generalitat de Catalunya

Plan de Recuperación, Transformación y Resiliencia

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BSC AI Factory Partners

20 BSC YEARS

fct Fundação para a Ciência e a Tecnologia

TÜBİTAK

ICI

Affiliated entities

UPC Universitat Politècnica de Catalunya BarcelonaTech

CNCA Centro Nacional de Computação Avançada