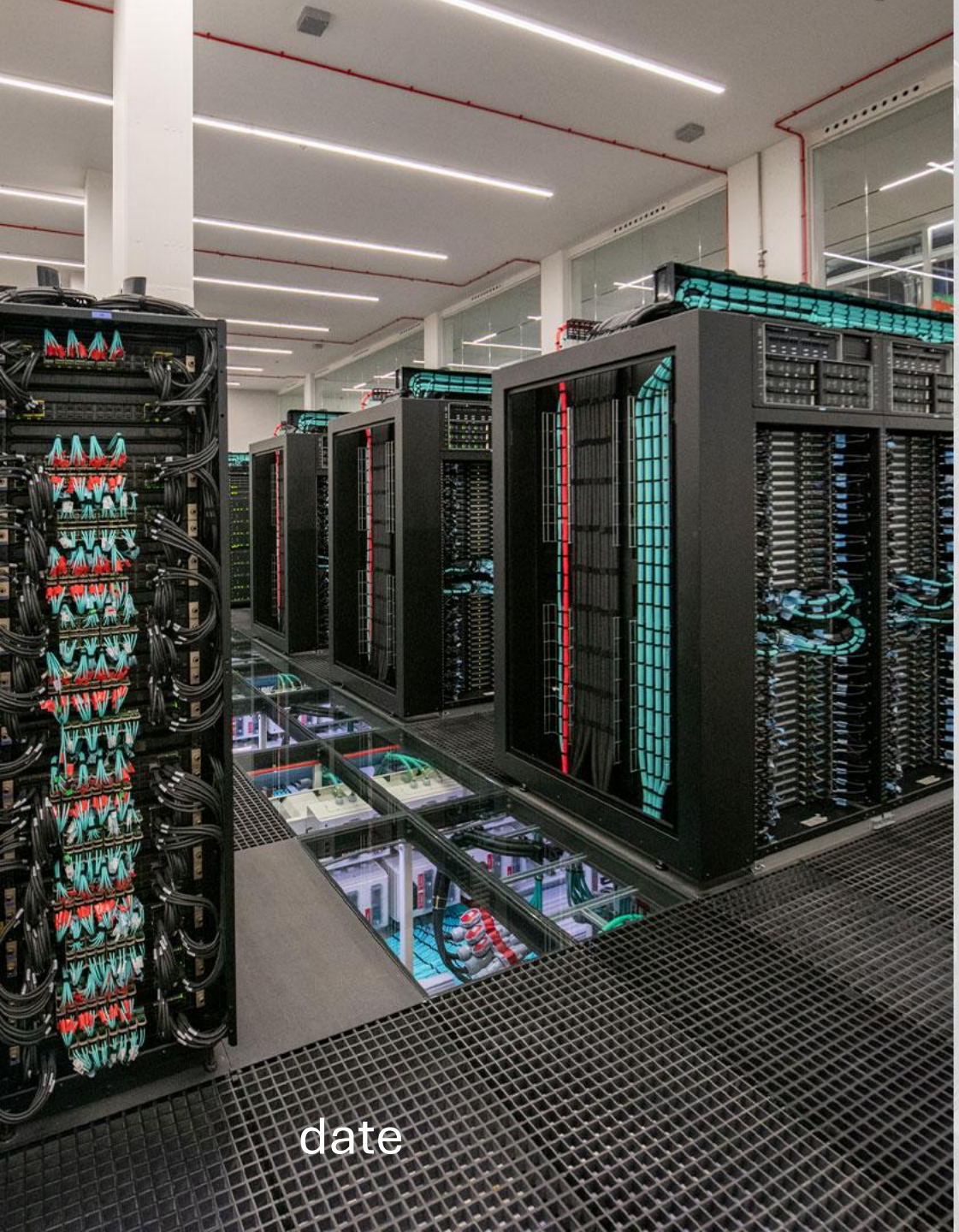


date

BSC AI Factory

BSC AI Factory

Accelerating AI innovation

Advanced Computing Service

FCCN, serviços digitais da FCT

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

The initiative

- Europe needs to **accelerate AI adoption** across industries, especially **SMEs, startups, enterpreneurs** and **public bodies**.
- To do this, it needs **enhanced supercomputer power**, with the latest AI technologies.
- Organizations need **training, networking** and **hub facilities**.

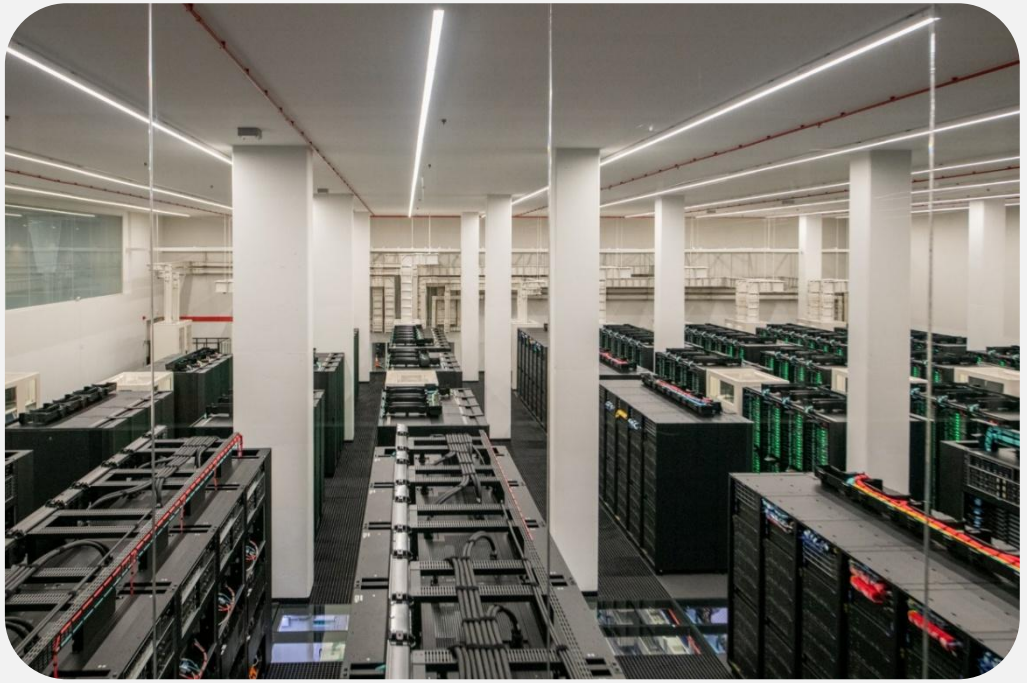
BSC AI Factory

Access to MareNostrum5

Hosted and operated by the **Barcelona Supercomputing Center (BSC)**.

One of the world's most versatile supercomputers, MareNostrum 5 hosts two systems ranked among the top 20 globally: **General Purpose Partition & Accelerated Partition**.

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



BSC AI Factory

Consortium partners

Spain

Barcelona Supercomputing Center (BSC-CNS)

Portugal

Fundação para a Ciência e a Tecnologia (FCT)

Türkiye

The Scientific and Technological Research Council of Türkiye (TÜBITAK)

Romania

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

Affiliated entities

UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH

Centro Nacional de Computação Avançada

BSC AI Factory

Objectives

Lowering entry barriers to AI

Simplified access to computing resources.

Society & market at scale

Accelerate the translation of innovation into real-world impact.

AI talent capacity development

Education, training, and skills.

Open innovation ecosystem

Encourage collaboration.

BSC AI Factory

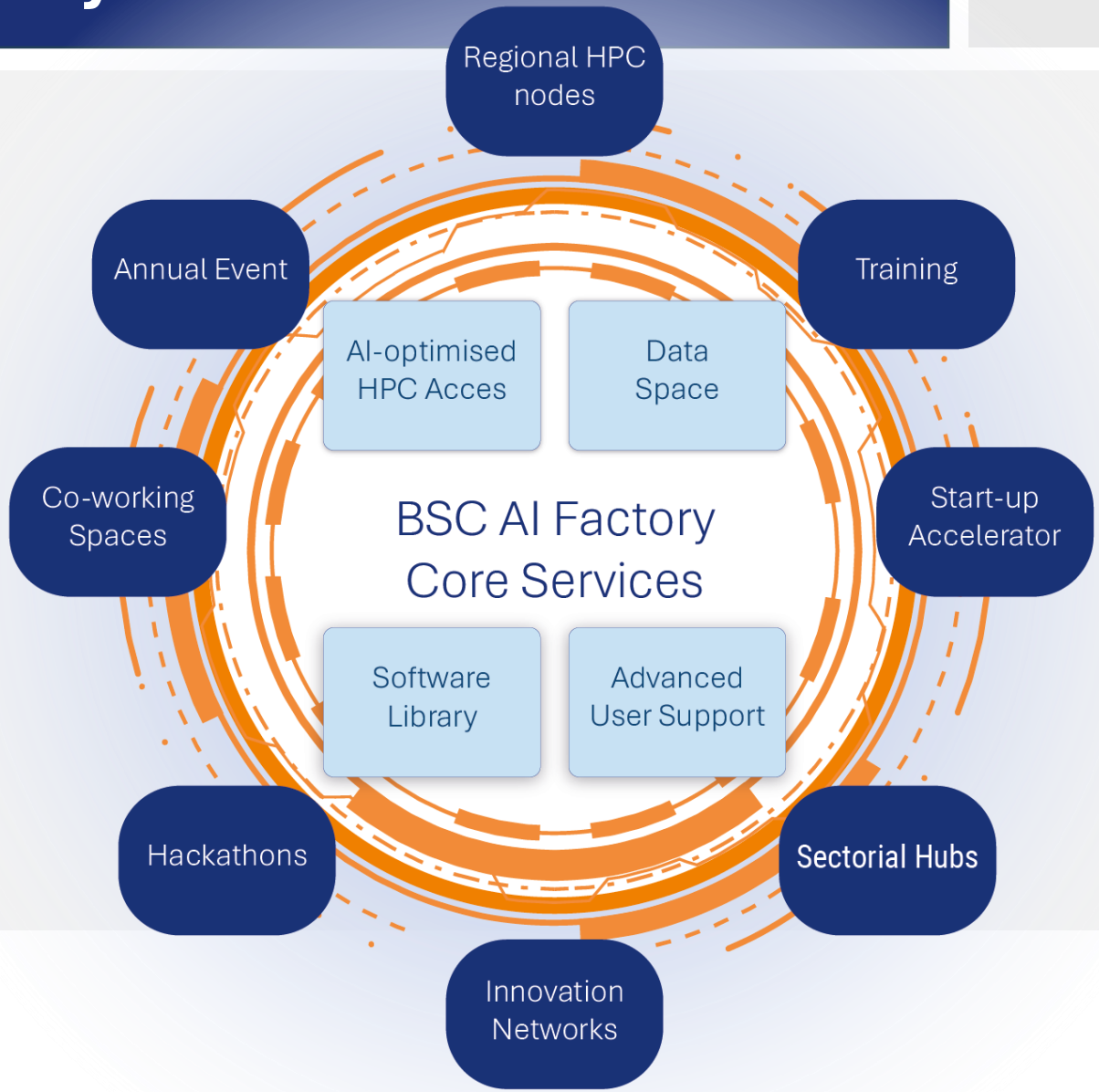
BSC AI Factory Services

- The BSC AI Factory is designed around **4 core services**

BSC AI Factory

BSC AI Factory Services

- The BSC AI Factory is designed around **4 core services** and **8 support mechanisms**



BSC AI Factory

Flow of users to BSC AI Factory Services

BSC AI Factory services

On-boarding

One-Stop Shop

BSC AI Factory

The path towards resources

Starts here:

BSC AI Factory

AI Factories

www.bsc-aifactory.eu

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

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UPC Universitat Politècnica de Catalunya BarcelonaTech

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