AI Congress Barcelona

20 - 21 - 22 OCT 2026

Auditori L'illa

Un esdeveniment de:

CIDAI Centre of Innovation for Data tech and Artificial Intelligence

Organitzat per:

eurecat

Alineat amb l'Estratègia Catalunya IA 2030:

Generalitat de Catalunya

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CVC Centre de Visió per Computador

i2cat

UPC Universitat Politècnica de Catalunya Barcelona Tech

IDEAI Intelligent Data Science and Artificial Intelligence Research Center

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INICIATIVES D'IMPULS A LA INNOVACIÓ TECNOLÒGICA PER A LES EMPRESES

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INICIATIVES D'IMPULS A LA INNOVACIÓ TECNOLÒGICA PER A LES EMPRESES

Presenta:



Barbara Eisele
Gestora de la comunitat d'IA
DCA (Digital Catalonia Alliance, Fundació i2CAT)

Ponents:



Estel Blay
Program Manager
IEEC (Institut d'Estudis Espacials de Catalunya)



Eudald Lerga
Responsable de serveis de dades de BSC AI Factory
BSC



Víctor Rotellar
Coordinador Xarxa RDI-IA, The Catalan AI Innovation Hub
Centre de Visió per Computador



Estel Blay
Program Manager
IEEC (Institut d'Estudis Espacials de Catalunya)

PONÈNCIA:

ESA PHI-LAB SPAIN: IA I INNOVACIÓ ESPACIAL PER A LA COMERCIALITZACIÓ DE TECNOLOGIES QUE MILLOREN LA RESILIÈNCIA CLIMÀTICA

esa Phi-Lab NET Spain

IEEC



Image “Earth from Space The Ebro Delta” contains modified Copernicus Sentinel data (2024), processed by ESA, licensed by ESA Standard Licence.

ESA Phi-Lab Spain

Innovation for commercialisation of space technologies enhancing climate resilience

AI CONGRESS 21/10/2026

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esa | Phi-Lab NET | Spain

ESA Commercialisation Network

Disruptive research innovation projects	Start-up creation & incubation services for entrepreneurs	Commercial innovation projects integrating space technologies
Phi-Lab NET	ESA BICs NETWORK	ESA BROKERS NETWORK

BOOSTING INNOVATION AND COMMERCIALISATION



Image “Ariane 6 takes flight”
©ESA - S. Corvaja

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Austria

Industrial innovation for the upstream domain

Switzerland

Deep tech innovation (quantum, data, materials)

Poland

Robotic and AI for autonomy

Ireland

Next generation space-optimised hardware



ESA Φ-lab
ESRIN, Italy

Norway

Arctic requirements and needs

Spain

Space technologies and their application to boost climate resilience

Netherlands

EO, critical PNT infrastructure, secure satellite communication

Finland

Sensors & Geospatial Innovation

UK

Space enabled sustainability technologies

Sweden

AI and Edge Learning

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ESA Phi-Lab Spain: Pioneering climate resilience

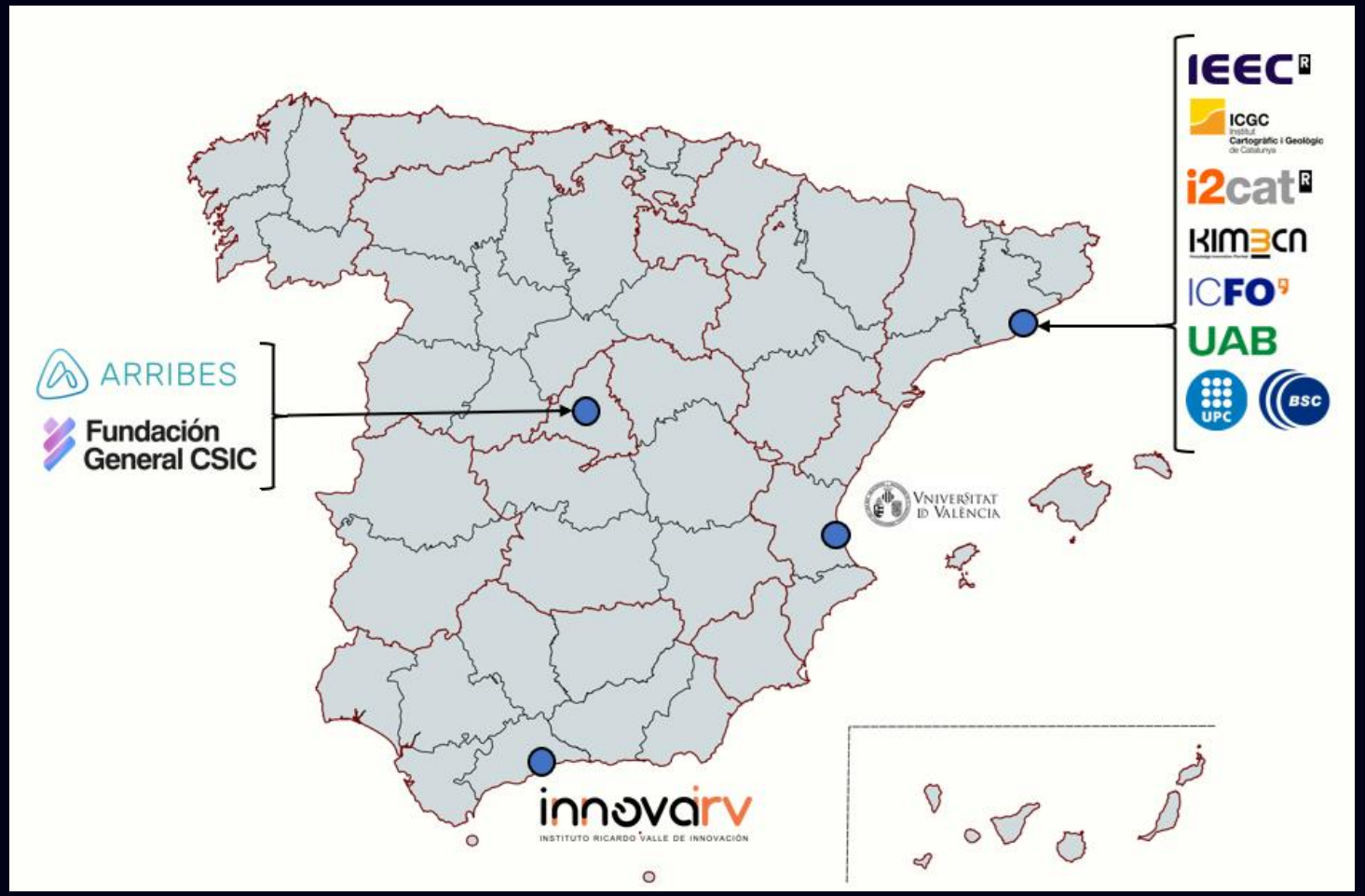
ESA Phi-Lab Spain aims to drive **innovation** in the space sector by supporting disruptive projects and fostering the transfer of **space technologies** to address **climate resilience** and accelerate their market application.



Image “Earth from Space The Ebro Delta” contains modified Copernicus Sentinel data (2024), processed by ESA, licensed by ESA Standard Licence.

Consortium and co-funding

- Main co-funding: Generalitat de Catalunya through the **Space Strategy**
- In-kind contributions from core partners.



Funding opportunities

- **ESA funds** - open call to select research projects, evaluations distributed over the first 4 years
  - Total budget: **4.4 M€** for research projects over 6 years
  - Cut-off dates until 2028 (or until funds are exhausted)
  - Typical funding levels: 200.000€ - 400,000€

- **Local funds** (from the Space Strategy of Catalonia)
  - Use Cases: **150k€** for 3 uses cases
  - Payloads development: **900k€**
  - Access to NewSpace Lab: **115k€**
  - Support to industrial PhD: **30k€**

esa Phi-Lab NET Spain

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WAVESS

WATERBODY **A**SSESSMENT AND **V**ERIFICATION FUSING **E**ARTH OBSERVATION AND **S**EABOT **S**URVEYING

SPASCAT TECHNOLOGIES seabots cttc

WAVESS improves how we **map and monitor Mediterranean shores** and other **water bodies** by combining satellite data with real-time measurements from Unmanned surface vehicles. This approach delivers accurate, bathymetric and environmental maps at low cost.



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RESCAT

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RESILIENCE AND **E**NVIRONMENTAL **S**ATELLITE MONITORING FOR **C**LIMATE **A**CTION AND **T**RANSFORMATION

isardSAT Lobelia. eurecat Centre Tecnològic de Catalunya Centre en Resiliència Climàtica by eurecat

RESCAT develops a **platform** to monitor the environmental status of the **Ebro Delta** and strengthen its **resilience to climate change** using satellite and in-situ data. It will track key variables such as coastal erosion, saltwater intrusion, and biodiversity loss.



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SKOP

BEYOND THE LIMITS OF CLIMATE INTELLIGENCE

GEOSKOP CLIMATE INTELLIGENCE

CIMNE International Centre for Numerical Methods in Engineering

This project boosts long-term **climate predictions** by combining satellite data with AI. The solution improves prediction accuracy to support **climate adaptation**, especially in the **energy sector**.



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RISKCHAIN

SUPPLY CHAIN RISK SIMULATOR

earthpulse! eurecat Centre Tecnològic de Catalunya Fundación Empresa & Clima

This project develops a tool to **anticipate risks** in **agriculture**-based supply chains increasingly affected by climate change. Using EO data, socioeconomic information and AI, it simulates scenarios to support proactive contingency planning.



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AETHER

IEEC

ADVANC**E**D AIR QUALI**T**Y SERVICES FOR **H**OLISTIC URBAN MANAG**E**MENT AND **R**ESILIENCE

hyds METEO SIM GRASP IEEC Institut d'Estudis Espacials de Catalunya AJUNTAMENT SANT BOI DE LLOBREGAT

AETHER combines satellite observations with hyperlocal modeling to deliver street-level **air quality forecasts and health risk indicators**. This cloud platform empowers cities to comply with EU directives and proactively protect vulnerable populations.



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GOSHAWK

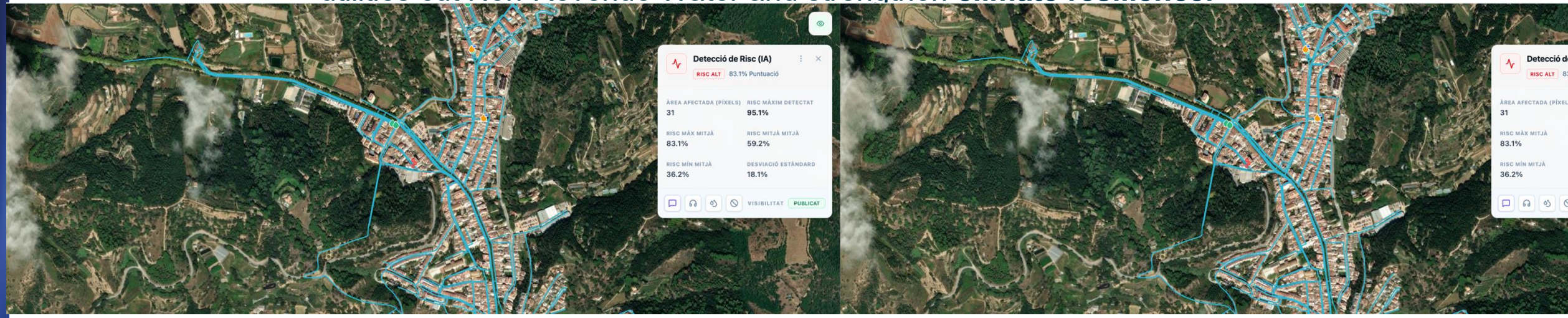
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SATELLITE-BASED WATER LEAK DETECTION FOR CLIMATE RESILIENCE

Kimedes

cttc Centre Tecnològic de Telecomunicacions de Catalunya

GOSHAWK fuses multi-frequency satellite radar with physics-informed AI to detect hidden **water leaks** across urban networks. This approach delivers continuous, city-scale **leak detection at low cost**, helping utilities cut Non-Revenue Water and strengthen **climate resilience.**



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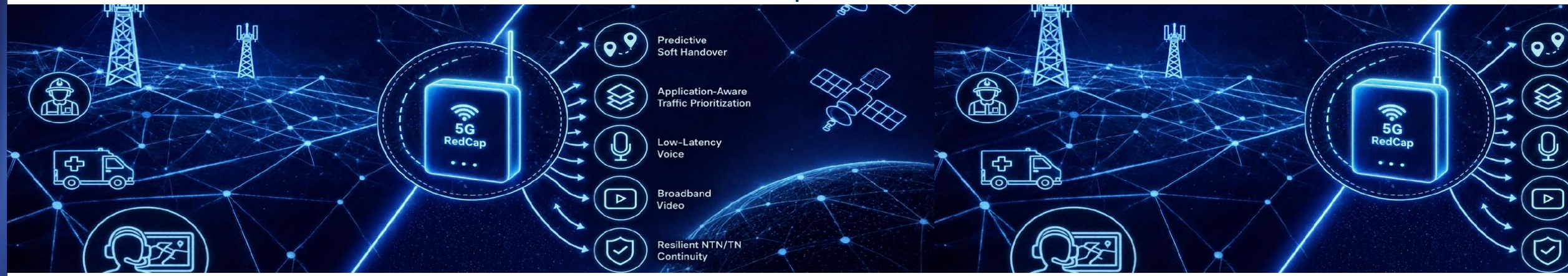
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HYBRID-LINK MCX

nemergent solutions

vicomtech
MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

HYBRID-LINK MCX develops and validates a hybrid NTN/TN connectivity solution for seamless communications during climate disaster operations by introducing new Mission Critical Services (MCX) capabilities, including a predictive soft-handover mechanism and managing communications with application-aware traffic prioritization.



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JUPITER

AI-ENHANCED SATELLITE MONITORING OF CLIMATE-DRIVEN GEOHAZARDS

GEO KINESIA

cttc

Jupiter aims to develop AI-enhanced satellite services for **climate-driven geohazard monitoring**. By combining Sentinel-1 InSAR and AI models, the project will deliver three operational capabilities: continuous **monitoring of active deformation areas** and their impact areas, automatic classification and **hazard mapping of ground deformation**, and **rapid detection of collapses** and fast **landslides** for emergency response.





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ORBITA TETRA

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BRINGING CRITICAL COMMUNICATIONS TO SPACE

AD Telecom

i2cat

ORBITA TETRA keeps emergency teams connected when terrestrial communication networks go down, **enabling existing radio TETRA terminals to communicate via satellite** without needing to change the equipment. Our solution provides firefighters, police and other responders with communication services during wildfires, floods and other disasters.



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SHERPA

IEEC

SHARED **H**IGH-**E**FFICIENCY **R**ESILIENCE **P**LATFORM ON-BOARD **AI**

BSC Barcelona Supercomputing Center
Centro Nacional de Supercomputación

FENTISS
FENT INNOVATIVE SOFTWARE SOLUTIONS

KLEPSYDRA TECHNOLOGIES

SHERPA improves **climate disaster monitoring** by processing satellite imagery **directly in space** using **on-board artificial intelligence**. By developing a multi-tenant satellite platform, it makes advanced space-based prevention financially affordable and accessible for local institutions and public administrations, delivering critical early warnings to emergency teams in minutes.





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REMOT

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GESTIÓ EFECTIVA DELS SECTORS DE REG A PARTIR DE TECNOLOGIES D'OBSERVACIÓ DE LA TERRA

SPASCAT TECHNOLOGIES

AGROPIXEL

1551 1872 RAVENTÓS CODORNÍU

REMOT uses Earth observation technologies to **optimize vineyard irrigation**, inferring plant water stress in a scalable and automated way. This allows irrigation to be planned according to crop needs, fusing **multispectral satellite image data**, field samples and predictive models. The solution is in the form of a **WebApp platform**, integrated into end-user workflows to **reduce time and improve decision-making**





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TIAFA

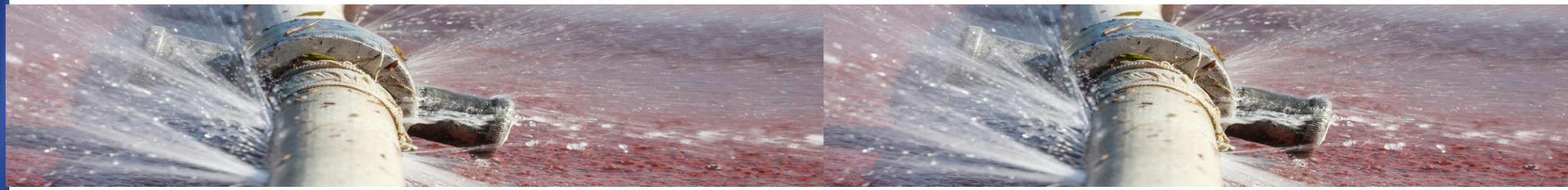
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TELEDETECCIÓ AUTOMÀTICA DE FUGUES D'AIGUA AMB DADES SATÈL·LITALS

MOAI

endesa

TIAFA consists of the a**utomated detection of water leaks** in underground and open-air canals, using **satellite image analysis** technologies and **artificial intelligence algorithms**. The main objective is to identify early any signs of leakage, such as alterations or abnormal changes in vegetation or soil moisture adjacent to the canal, in order to a**void water losses, reduce safety risks and improve efficiency in water management**.



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SAPIC

IEEC

SERVEI **A**VANÇAT DE **P**REVENCIÓ d'**I**ncendis a **C**atalunya

Lobelia. l'electra ENERGIA

PEFC PEFC/14-1-1 Asociación Española para la Sostenibilidad Forestal

SAPIC develops a viewer that provides an **advanced fire hazard indicator** capable of reporting the **risk of fire** in any area selected by the user; in this case the area of influence of the energy transport operator **Electra Caldense**. Any incident in electrical infrastructures can generate sparks and start high-intensity fires. The SAPIC system responds to the challenge of **detecting points susceptible** to giving rise to a fire through the use of **Earth observation technologies** combined with **high-resolution climate data**.





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FLUVIA

IEEC

Fluvial Intelligence and Alert system

SPASCAT TECHNOLOGIES

Aigües de Barcelona

A water quality monitoring and alert system for the Llobregat and Besòs rivers that combines multispectral satellite imagery with artificial intelligence. It analyzes turbidity, chlorophyll, and organic matter to detect uncontrolled discharges or anomalous patterns along the entire course of the rivers, particularly in areas near water treatment and wastewater treatment plants.



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ViaINAT

IEEC

Monitoring service for solutions based on nature in infrastructures in Catalonia

Lobelia.

Romero Polo

A digital predictive maintenance viewer for critical infrastructure (tracking risk indicators for landslides, fires, and floods to anticipate failures) and for monitoring Nature-based Solutions (NbS) in Catalonia using satellite data. The goal is to anticipate failures and reduce the need for on-site field inspections.





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Payload development

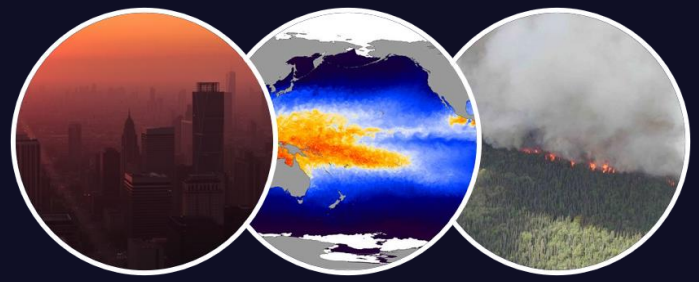
Funding: 2 payloads awarded with a financial prize and a service contract (≈400.000€)

Goal: To promote innovative developments of space technology that can be embarked on small satellite platforms for Earth observation with sufficient technological maturity to be able to obtain an Engineering Model.

OTTER

ASENSE

It develops a compact thermal infrared camera for small satellites that measures ground temperatures to detect urban heat islands, optimize water use in agriculture, or monitor forest fires.



LaX'n'SAR

MWSE

It develops a dual-frequency satellite radar (X and L bands) capable of penetrating clouds and operating at night to monitor floods, landslides, and changes in forest biomass.



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ESA Phi-Lab Spain

SpaceTech for Climate Resilience

contact: esaphilabnet-spain@ieec.cat

More information at: https://esaphilabnet-spain.ieec.cat/



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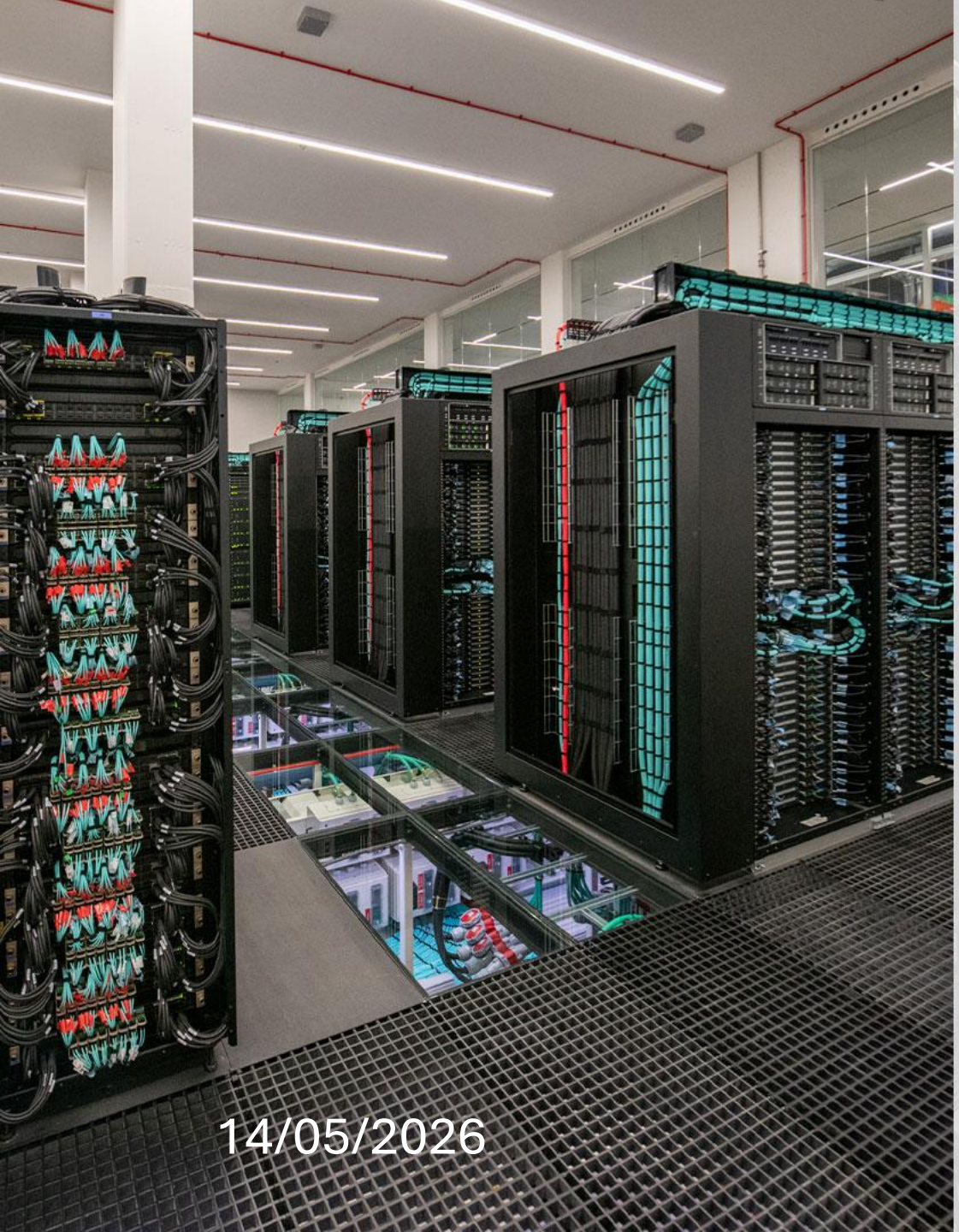
Patrocinadors PLATA: apdcat Autoritat Catalana de Protecció de Dades · LABORAL kutxa



Eudald Lerga
Responsable de serveis de dades de BSC AI Factory
BSC

PONÈNCIA:

SERVEIS DE DADES DE LA BSC AI FACTORY PER A PIMES: INFRAESTRUCTURA I GOVERNANÇA



14/05/2026

BSC AI Factory

BSC AI Factory

Accelerating AI innovation

Eudald Lerga Felip

Data Services Manager

BSC AI Factory Partners

20 BSC YEARS

fct Fundação para a Ciência e a Tecnologia

TÜBİTAK

ICI

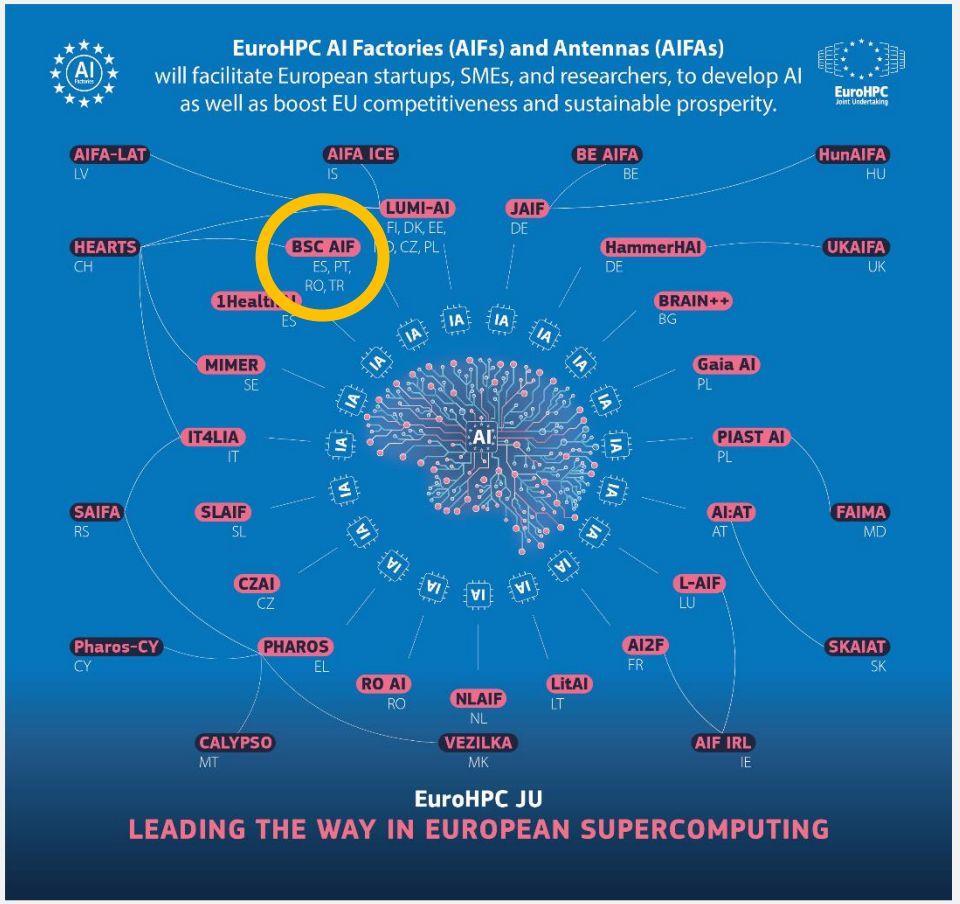
Affiliated entities

UPC UNIVERSITAT POLITÈCNICA DE CATALUNYA BARCELONATECH

CNCA Centro Nacional de Computação Avançada

AI Factories: Powering Europe's AI Future

- Dynamic ecosystems built around **AI-optimized supercomputers.**
- **Providing computational power and specialized support** for innovation processes.
- **Promoting AI skills and expertise** across the European Union.
- An **open innovation** environment.



BSC AI Factory

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Who is the AI Factory for?

The services of the BSC AI Factory are available to innovative entities that fall into one of the following categories:



Startups

Innovative, AI-focused companies



SME's

Small and medium-sized enterprise



Public entities

For example: research institutes, universities

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What does the AI Factory offer?

The client



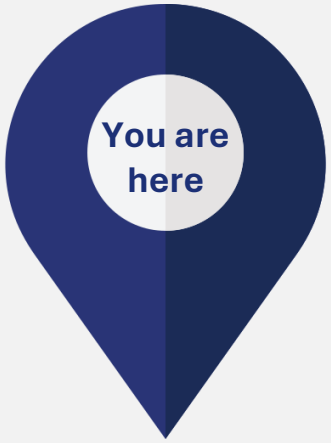
Client Responsibilities

- Has an AI project
- Has a development team

AI Factory support

- **Looking for infrastructure**
- **Looking for technical support**

- **CPUs, GPUs, Storage**
- **Assistance with transitioning cloud or on-premises services**
- **Assistance in building the software library**
- **Assistance in structuring data**

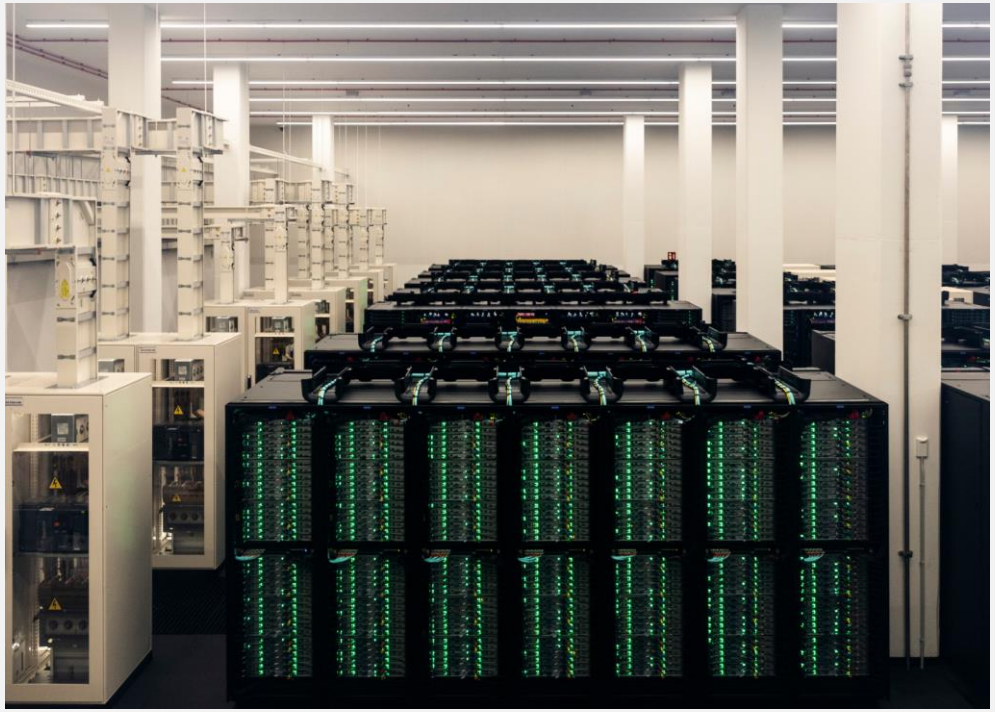


That’s where we come in

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BSC AI Factory: Accelerating AI innovation



A complete ecosystem for building and scaling AI solutions

Scientific and technical expertise

From the BSC research teams

AI specialized support

Up to 30 hours of expert consulting

24+ services

Designed to ttransfer knowledge and accelerate AI adoption

HPC Resources

Up to 50,000 hours of supercomputing

Access to AI services and HPC to create real impact

BSC AI Factory

BSC AIF - Service Catalogue – Foundations & AI services

Infrastructure & Computational Resources Access

- Infrastructure & Computational Resources Access
- Onboarding Support
- High-level Technical Access Support

AI Development Data-Related Services

- Data Discovery
- Data Stewardship
- Data as a Service
- Model & Dataset Publication

AI Development Advisory Services

- Advisory on Model Fine-tuning
- Advisory on Model Benchmarking
- Advisory on Prompt Engineering
- Advisory on RAG Systems

Trustworthy AI

- Consultancy on Ethical & Legal AI Self-Assessment
- AI Trustworthiness Consultancy

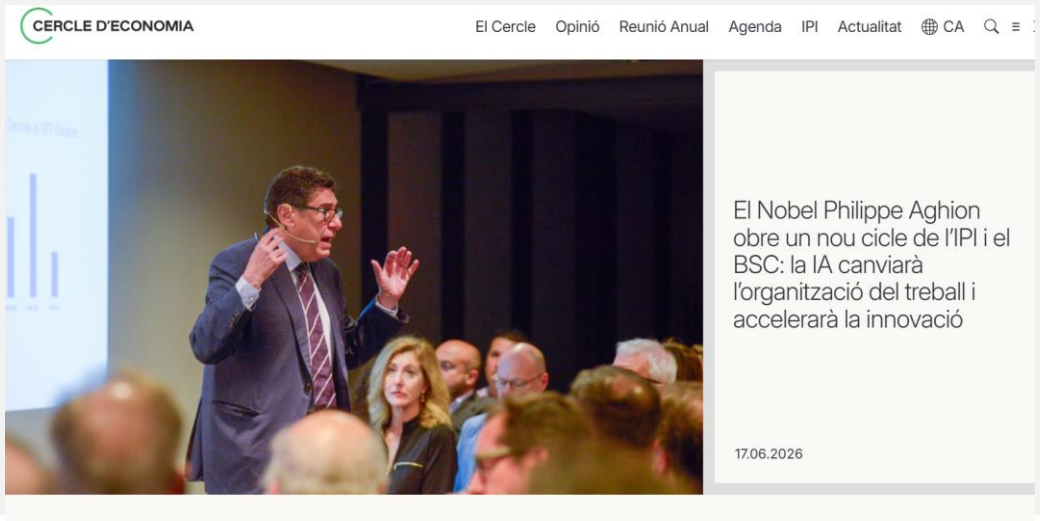
Ad hoc AI Services & Expert Consulting

- Ad hoc AI Services
- Healthcare & Clinical Environments
- Climate & Earth System Analysis
- LangTech Expert Briefings

BSC AI Factory

BSC AIF - Service Catalogue – Foundations & AI services

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

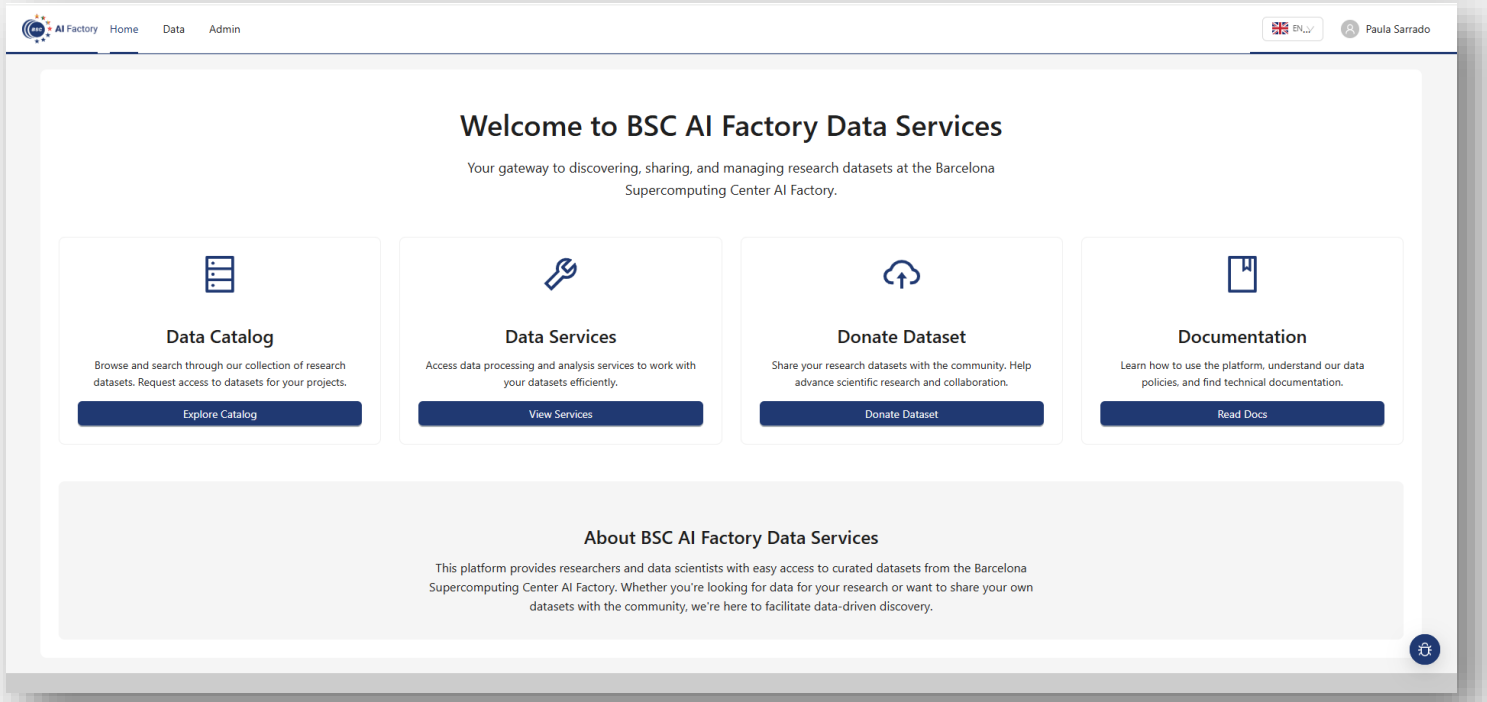


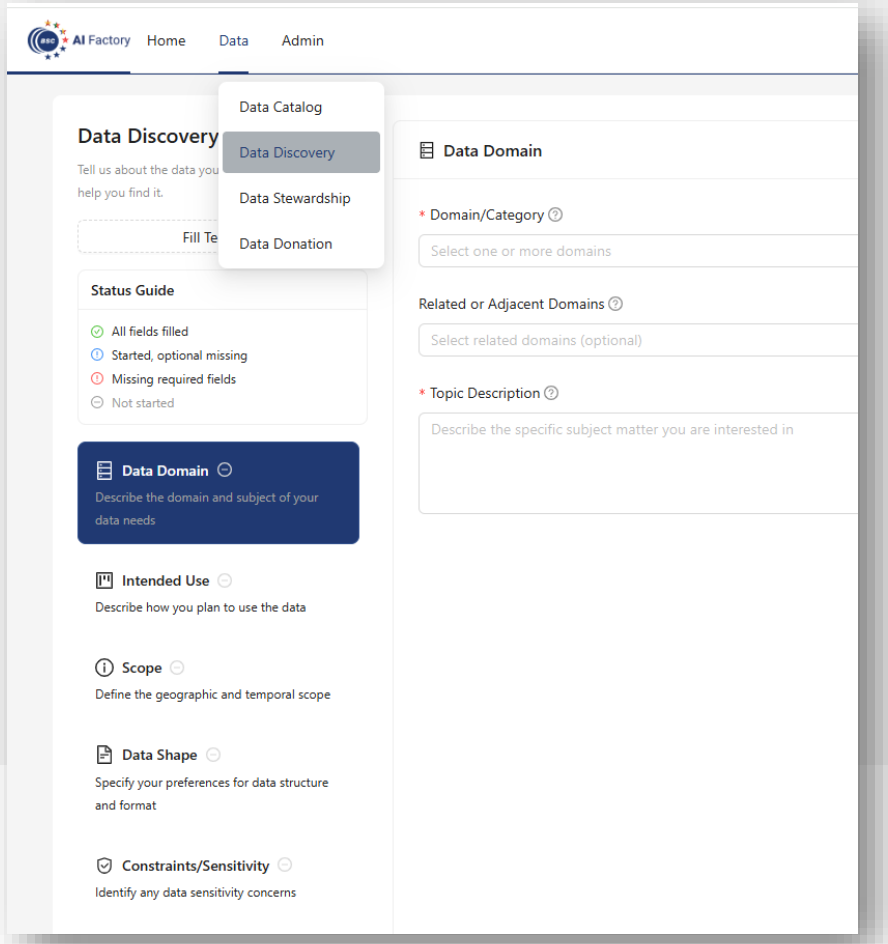
BSC AI Factory

https://cercledeconomia.com/

The BSC AI Factory Data Portal

The [BSC AI Factory Data Services Portal] acts as the entry point to a growing ecosystem of data-related services supporting AI development, collaboration, and future resource integration.





BSC AI Factory

The BSC AI Factory Data Services

The Data Services support organisations throughout the data lifecycle, helping them discover, access, govern, improve, and share data assets that can accelerate AI adoption and innovation.

BSC AI Factory Data Services Portal

Data as a Service (Daas)

Access to curated datasets through a structured request process.
Current catalogue: 34 datasets, spanning language technologies, healthcare, environmental, geospatial, and scientific domains.

Data Stewardship

Guidance on data management, governance practices, access management, and lifecycle considerations.

Data Discovery

Support to identify datasets relevant for training, benchmarking, RAG, and sectoral AI use cases.

Dataset Publication

Support for reviewing and integrating datasets into the ecosystem.

Phase 2

Data preparation, Wrangling and Annotation Tools

Synthetic Data Generation

BSC AI Factory

Current Resources & Dataset Catalogue

The catalogue currently provides datasets across multiple AI-relevant domains, combining language resources, synthetic data, healthcare information, environmental intelligence, and scientific datasets.

Language & Foundation

Resources for multilingual AI, speech technologies, foundation model development, and NLP applications.

Includes:

- Parallel corpora
- Speech datasets (ASR / TTS)
- Conversational datasets
- Evaluation benchmarks
- Wikipedia-derived corpora
- Synthetic language datasets

Health & Life Sciences

Datasets supporting healthcare analytics, epidemiological research, and scientific discovery.

Includes:

- COVID-19 epidemiological datasets
- Patient feedback datasets
- Molecular exploration datasets
- Drug discovery resources

Environment & Geospatial Intelligence

Datasets supporting environmental monitoring, climate analysis, and spatial intelligence.

Includes:

- Climate datasets (e.g. GHOST)
- Hydrographic and GIS datasets
- Environmental monitoring resources

The catalogue is expected to progressively expand through future collaborations and sectoral dataset identification initiatives.

You can find the **current catalogue** here:

https://dataverse.bsc.es/dataverse/bsc-ai-factory

BSC AI Factory

BSC AIF SUCCES STORY

mafer
AI for specialty chemicals.

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.

Data Discovery | Data Stewardship | Data As a Service | Advisory on RAG | Incubation spaces

BSC AI Factory

EMPRENDEDORES

Mafer AI capta dos millones para llevar la IA a la industria química

ERIC GALIÁN Actualizado 28 MAY. 2026 - 11:52



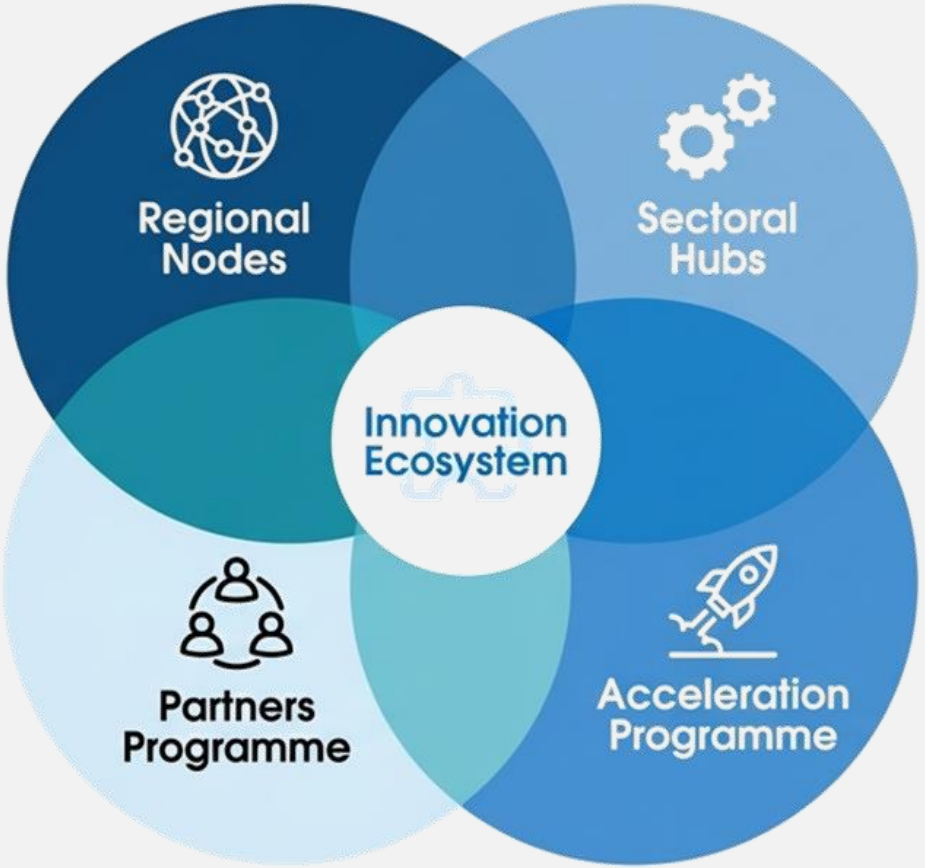
Equipo de Mafer AI.

En la operación han participado los fondos de capital riesgo Kfund, 4Founders Capital, Masia y Lavanda Ventures, este último brazo inversor en 'start up' de la familia Puig.

From 2 founders to 15+ employees and 2M€ investment in the 1st year. Hosted at BSC AIF Incubation spaces

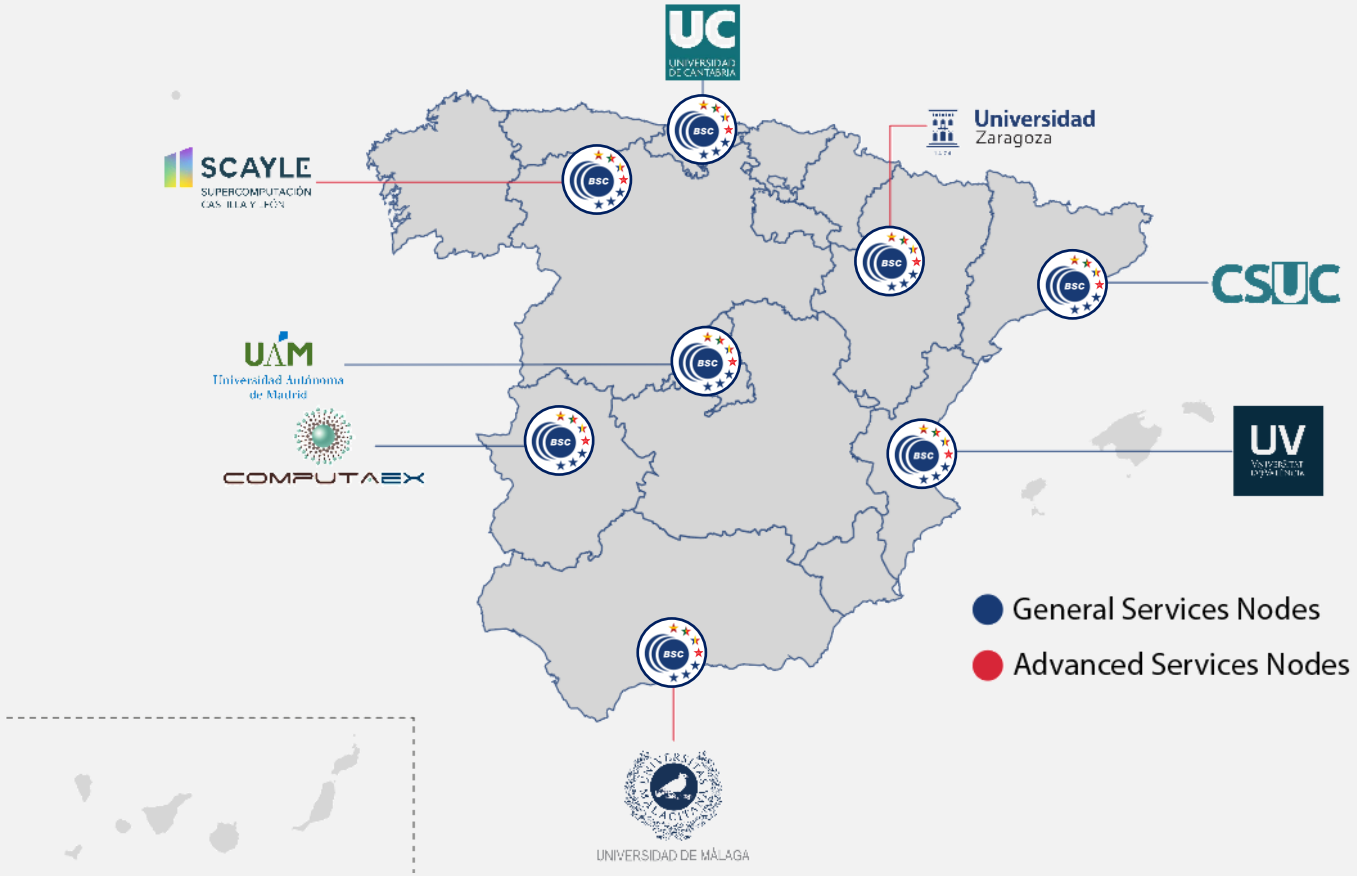
BSC AIF Ecosystem Activities

1. Regional Nodes
2. Sectoral Hubs
3. Acceleration Program
4. Partners Program



BSC AI Factory

8 x KAMs @ Regional Nodes for local support



Local resources

1 x KAM
Access to RES HPC

1x AI Expert

Activities

- Local direct support
- Events to connect innovation actors

BSC AI Factory

https://bsc-aifactory.eu/regional-hpc-nodes/

Sectoral Hubs – Fostering sectoral collaboration



SECTORAL HUBS

Open solution for sectoral use

6 large scale AI solutions x 5 sectors

Developed by Innovation Centers

Leveraging BSC AIF resources & services

Sectoral AI Training

Sectoral AI events

Fostering sectoral collaboration for ambitious AI solutions

BSC AI Factory

Sectoral Hubs – Fostering sectoral collaboration

Salud, Pharma y Biotech	Sergio Muñoz sergio.munoz@tecnalia.com	tecnalia MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE
Agricultura, Clima y Economía Azul	Chus García chus.garcia@ctic.es	CTIC centro tecnológico
Energía	Gonzalo Blázquez gblazquez@itg.es	itg
Finanzas y Legal	Francisco Ricau, Ángel González hubsectorialfinleg@iti.es	CENTRO TECNOLÓGICO ESPECIALIZADO EN TIC
Comunicación y Medios	Daniel González hubsectorialmedia@eurecat.org	eurecat Centro Tecnológico
Sector Público	Ana Santos ana.santos@bsc.es	BSC Barcelona Supercomputing Center Centro Nacional de Supercomputación

BSC AI Factory

https://bsc-aifactory.eu/sectoral-hubs/

https://www.youtube.com/watch?v=BHFtPumHC1E

BSC AIF Accelerator program

A selective programme

25 startups

Phase 1: Business Track

1st Cut off

12 startups

Phase 2: Tech Track

2nd Cut off

3 startups

Demo day



BSC AI Factory

https://bsc-aifactory.eu/acceleration-programme/

BSC AI Factory

AI Factories

Thank you for your attention

This project received funding from the European High Performance Computing Joint Undertaking (EuroHPC JU) under the Horizon Europe Program, under grant agreement No. 101234399, and from Spain, Portugal, Romania, and Türkiye. The upgrade of MareNostrum 5 is also co-funded under the Digital Europe Program and, in Portugal, by the Recovery and Resilience Facility (PRR)

Co-funded by the European Union

EuroHPC Joint Undertaking

PRR Plano de Recuperação e Resiliência

REPÚBLICA PORTUGUESA

Financiado pela União Europeia NextGenerationEU

GOBIERNO DE ESPAÑA MINISTERIO PARA LA TRANSFORMACIÓN DIGITAL Y DE LA FUNCIÓN PÚBLICA

Generalitat de Catalunya

Plan de Recuperación, Transformación y Resiliencia

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 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

AI Congress Barcelona

Un esdeveniment de: CIDAI Centre of Innovation for Data tech and Artificial Intelligence

Organitzat per: eurecat

Alineat amb l'Estratègia Catalunya IA 2030: Generalitat de Catalunya

20 - 21 - 22 OCT 2026
#AICongressBCN
aicongress.barcelona

INICIATIVES D'IMPULS A LA INNOVACIÓ TECNOLÒGICA PER A LES EMPRESES

Patrocinadors OR: CaixaBank TECH · conversia compliance is our business · forvis mazars & infini DIGITAL EFFICIENCY · orange Empresas · raona coding corporate futures · softeng Maximize the cloud. Securely.

Patrocinadors PLATA: apdcat Autoritat Catalana de Protecció de Dades · LABORAL kutxa



Víctor Rotellar
Coordinador Xarxa RDI-IA,
The Catalan AI Innovation Hub
Centre de Visió per Computador

PONÈNCIA:

XARXA RDI-IA; EL HUB D'INNOVACIÓ EN IA DE CATALUNYA

XARXA RDI-IA

Catalonia AI Innovation Hub

From research to innovation, business and impact.

Víctor Rotellar

Catalonia AI Innovation Hub - Xarxa RDI-IA

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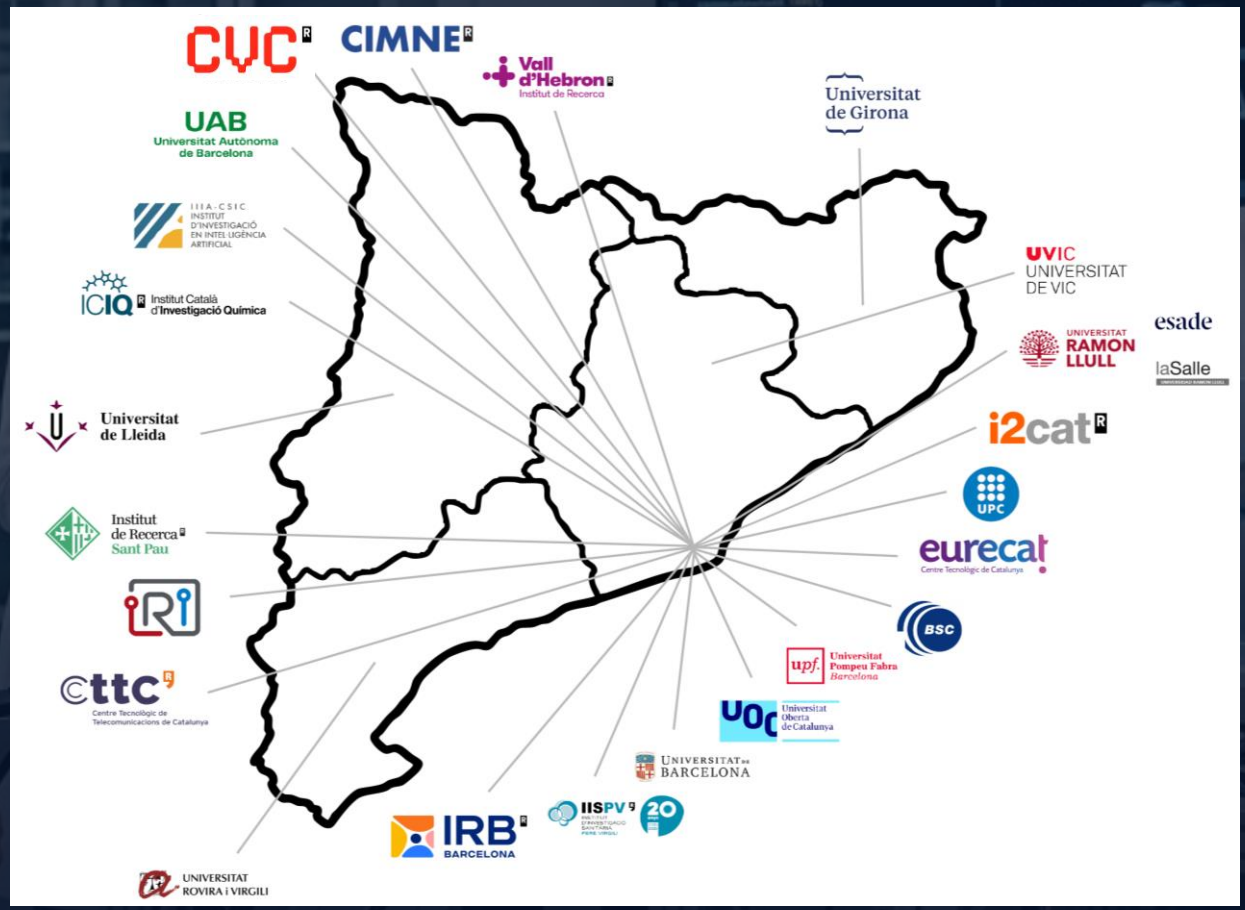
CVC Computer Vision Center

WHO WE ARE

Empower the **Catalan AI ecosystem** by promoting **technology transfer** and **knowledge valorization** to transform research into real-world impact.

25
Institutions

70+
Research groups



30+
Partners

180+
Technology portfolio

THE OPPORTUNITY

Connecting the potential of AI with real market needs

Research produces technology that doesn’t always reach the market.

Companies face challenges AI could solve, but lack direct access to it.

We are the bridge between both worlds.



MISSION

Empower the **Catalan AI ecosystem** by promoting **technology transfer** and **knowledge valorisation** to transform research into real-world impact.

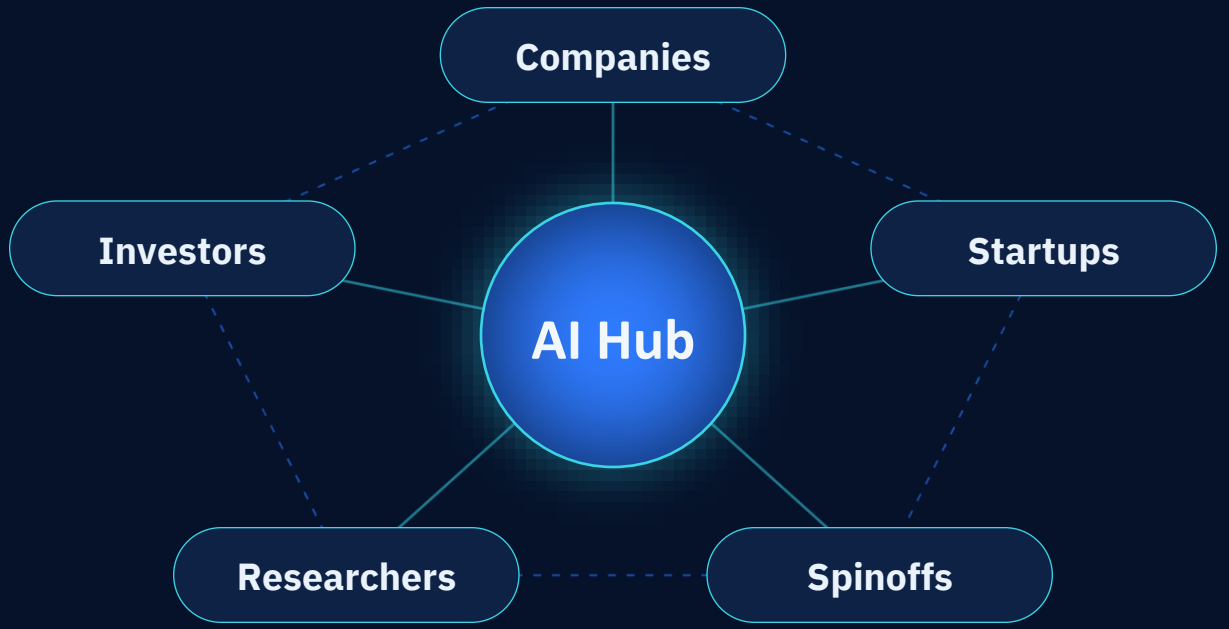
- Increase **innovation rate**
- Promote **partnerships with industry**
- Reduce ti**me-to-market** for AI tech
- Create **new start-ups**
- Retain **talent**

ECOSYSTEM

One platform for the whole ecosystem

Catalonia AI Innovation Hub

XARXA RDI·IA



MAIN SECTORS AND OPPORTUNITIES

Six industries AI is already transforming

Agritech
Precision agriculture and efficient use of resources

Computer Vision
Inspection, quality and visual analysis

Mobility
Smart transport and logistics

Climate
Energy, sustainability and resilience

Industry
Automation and the smart factory

Health
Health AI Application



ECOSYSTEM

To empower the **Catalan AI ecosystem** by promoting **technology transfer** and **knowledge valorisation** to transform research into real-world impact.

RESEARCH

Research and Innovation Centers

BUSINESS

Companies, Spinoffs and AI Ecosystem



RESEARCH

Research and Innovation Centers

KEY AREAS

Six services, three key areas, one goal

Innovation Consulting

Specialized consulting services

Venture Building

Creating science-based companies

Talent Factory

Training for researches in business

INNOVATION CONSULTING

2026 - **2 CALLS**: Programs (Pathfinder/Innovation Lab)

PATHFINDER PROGRAM TRL1 – TRL3

- MARKET STUDY
- FUNDING ROADMAP
- AI REGULATORY
- GO TO MARKET VALIDATION

INNOVATION LAB TRL4 – TRL6

- MARKET STUDY
- PUBLIC FUNDING ROADMAP
- STRATEGIC BUSINESS CONSULTING
- PATENTABILITY ASSESSMENT
- GO TO MARKET VALIDATION
- PRIVATE FUNDING ROADMAP
- TECHNOLOGY VALUATION
- AI REGULATORY

VENTURE BUILDING

Estratègia
Catalunya IA 2030

(i) AI ACCELERATOR is a Catalonia-wide sciencepreneurship initiative **to promote the creation of new AI-based startups** by connecting top scientific, technical, and entrepreneurial talent with cutting-edge research from universities and research centers. DURATION: 6 months.



TALENT SEARCH



AI STARTUP WEEKEND



AI ACCELERATOR VALIDATION



AI ACCELERATOR INCUBATION
AI4ALL



INVESTORS DAY

AI Accelerator esade

VENTURE BUILDING

(ii) TECH BUILDER SERVICES provide specialized business-focused support to transform research-based technologies into scalable companies. The goal is to guide research teams throughout the creation process, helping them build strong, competitive ventures ready to reach the market.

GO TO MARKET STRATEGY

- Business model
- Pricing definition
- Time to market
- Marketing & Sales
- Customer acquisition strategy

FINANCE & LEGAL

- Cap table
- Equity
- Valuation
- Shareholders' agreement

HUMAN RESOURCES

- Team creation based on each project's needs

OPERATIONS

- Internal operations
- Workflow design
- Process definition

PRODUCT

- Product design
- Market-ready product

VENTURE BUILDING

(ii) INVESTORS CLUB: An initiative of the AI Hub to bridge capital and technological innovation — connecting investors with the best AI projects from technology centres and research institutions. (*under development*)

Build Community

A network of investors, entrepreneurs and researchers in Barcelona's AI ecosystem.

Foster Tech Transfer

An active bridge between research centers and the market, accelerating real-world impact.

Access to Capital

The best AI projects connected to investors who believe in deep tech.

Quarterly Pitch Days

Once per quarter: live pitches of AI projects in front of Club members.

TALENT FACTORY

Training for researchers in entrepreneurship & innovation

INTENSIVE IN-PERSON TRAINING

Face-to-face training designed to deepen knowledge in technology transfer and project valorization, guided by industry experts.

- Expert-led training sessions
- Key topics: strategy, IP & funding
- Applied and intensive learning format

PRACTICAL WORK SESSIONS

Applied learning environments where researchers work in small groups on real cases, developing tools and solutions directly connected to their research projects.

- Small-group, applied sessions
- Work on real research projects
- Expert guidance, actionable results

INSIGHT CAPSULES

Short and flexible sessions designed to introduce key concepts, emerging trends, and practical insights in an agile and accessible format.

- Short sessions (1–2 hours)
- Key concepts & emerging trends
- Flexible, online or in-person
- Online sessions are recorded for later access



BUSINESS

Companies, Spinoffs and AI Ecosystem

COMPANIES, SPINOFFS and AI ECOSYSTEM

We turn research into business

Licences

Agreements for companies to exploit the groups' technology

Products

Solutions developed with companies from research

New companies

Spinoffs and startups created through a venture building model



WHAT WE OFFER

Business transformation

01

Business collaborations

Collaboration: Companies, startups, spinoffs and research groups

02

Trainings

Specific business AI trainings

03

Ecosystem connection

Events, visibility and connection

04

Access to Capital

For Companies, startups and Spinoffs

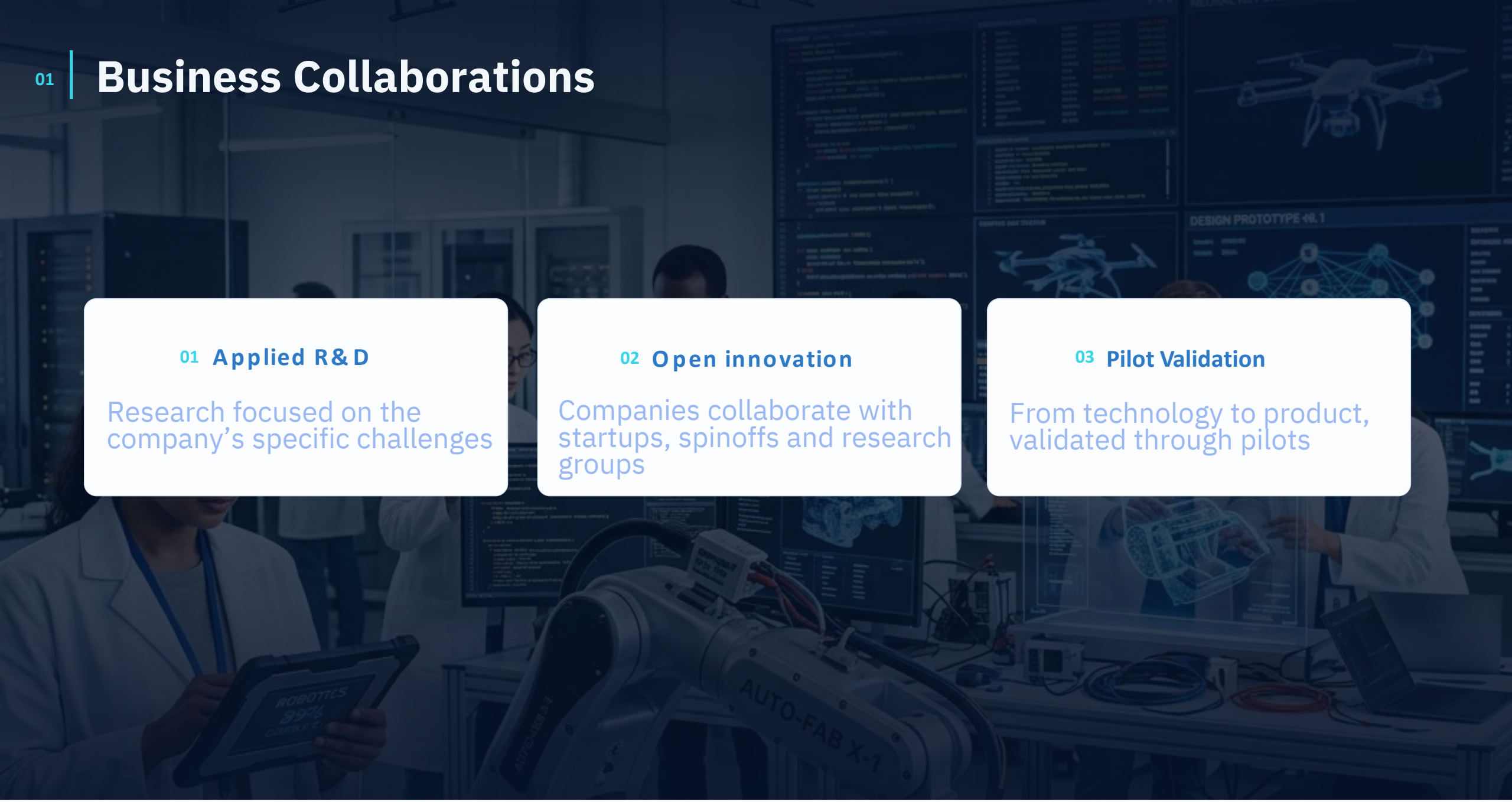
05

International Positioning

Global presence



01 Business Collaborations



01 Applied R&D

Research focused on the company's specific challenges

02 Open innovation

Companies collaborate with startups, spinoffs and research groups

03 Pilot Validation

From technology to product, validated through pilots

01

Business Collaborations

A clear process:

From idea to market



01

Challenge identification

We identify companies' real needs

02

Technology matching

We match each challenge with the right technology and group

03

Pilots

We validate the solution in a real environment

04

Market

We take the solution to market

02

Trainings



Research Valorization

Intellectual and Industrial Property

Business Models and Strategy

Market and Competition Analysis

Funding Strategies

Regulatory & Certification Requirements

Fiscal and Legal Aspects

Team Building and Management

Pitch and Effective Communication

Sales and Negotiation Techniques

Project and Roadmap Management

Social Impact and Sustainability

03 Ecosystem Connection

a Events and visibility

Create opportunities to showcase innovation and increase visibility.

MWC GSMA

4YFN

SMART CITY EXPO WORLD CONGRESS

BARCELONA DEEPTECH SUMMIT

b Strategic Connections

Connecting key players to foster strategic partnerships.



c AI News

AI News, Updates and ecosystem



04

Access to capital

Investors, Capital, Technology

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04

International Positioning

Global Networking
Market Access
International Opportunities and Partnerships



IMPACT

+10
Collaborations
Industry and Technology

64
Consultancy services
Innovation Consulting

+50
Entrepreneurs
Venture Building

+100
Soft skills training
Talent Factory

+90
Events & Conferences
Visibility

+180
Portfolio technologies
Tech Scouting

20
Fast-tracked projects
Venture Building

5
Start-ups created
Venture Building

XARXA RDI-IA

Catalonia AI Innovation Hub

"Turning scientific knowledge into innovation, business opportunities and economic growth"

Víctor Rotellar

Catalonia AI Innovation Hub - Xarxa RDI-IA

Vrotellar@cvc.uab.cat

CVC Computer Vision Center

AGAUR Agència de Gestió d'Ajuts Universitaris i de Recerca

Generalitat de Catalunya Departament de Recerca i Universitats

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LABORAL kutxa

Col·laboradors:

Barcelona

BSC Barcelona Supercomputing Center Centro Nacional de Supercomputación

CVC Centre de Visió per Computador

i2cat

UPC Universitat Politècnica de Catalunya Barcelona Tech

IDEAI Intelligent Data Science and Artificial Intelligence Research Center