



# AI Factories & Gigafactories Building Europe's AI Infrastructure

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# A Strategic Imperative for Europe



**EuroHPC**  
Joint Undertaking



## **Von der Leyen's Vision**

Up to 5 AIGFs to supercharge Europe's AI approach through strategic infrastructure investment.



## **Ensuring EU Sovereignty**

Establishing leadership in large-scale AI development, training and inference.



## **Cornerstone Infrastructure**

AIGFs as the foundation of the AI Continent Action Plan.



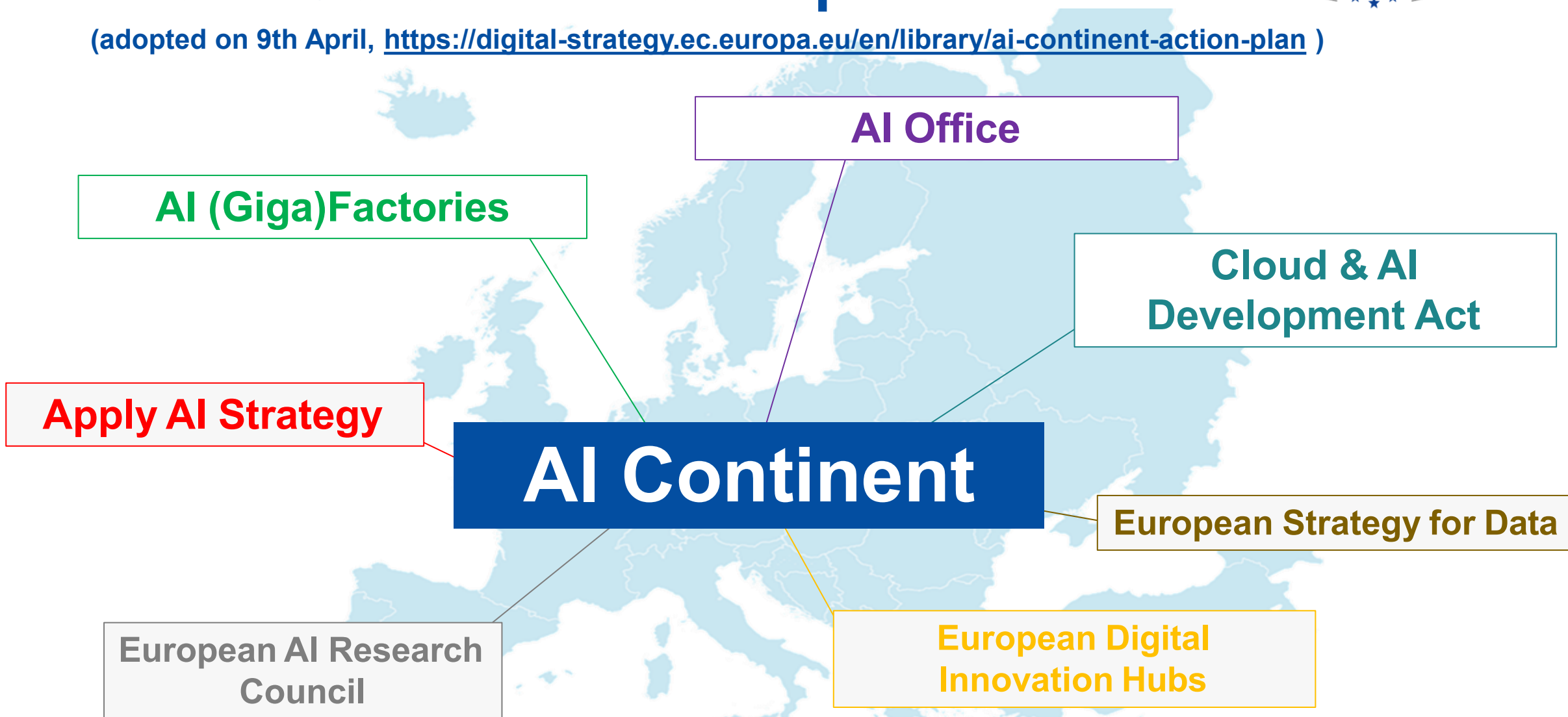
## **Novel Partnership Model**

Implementing an ambitious Public-Private approach.



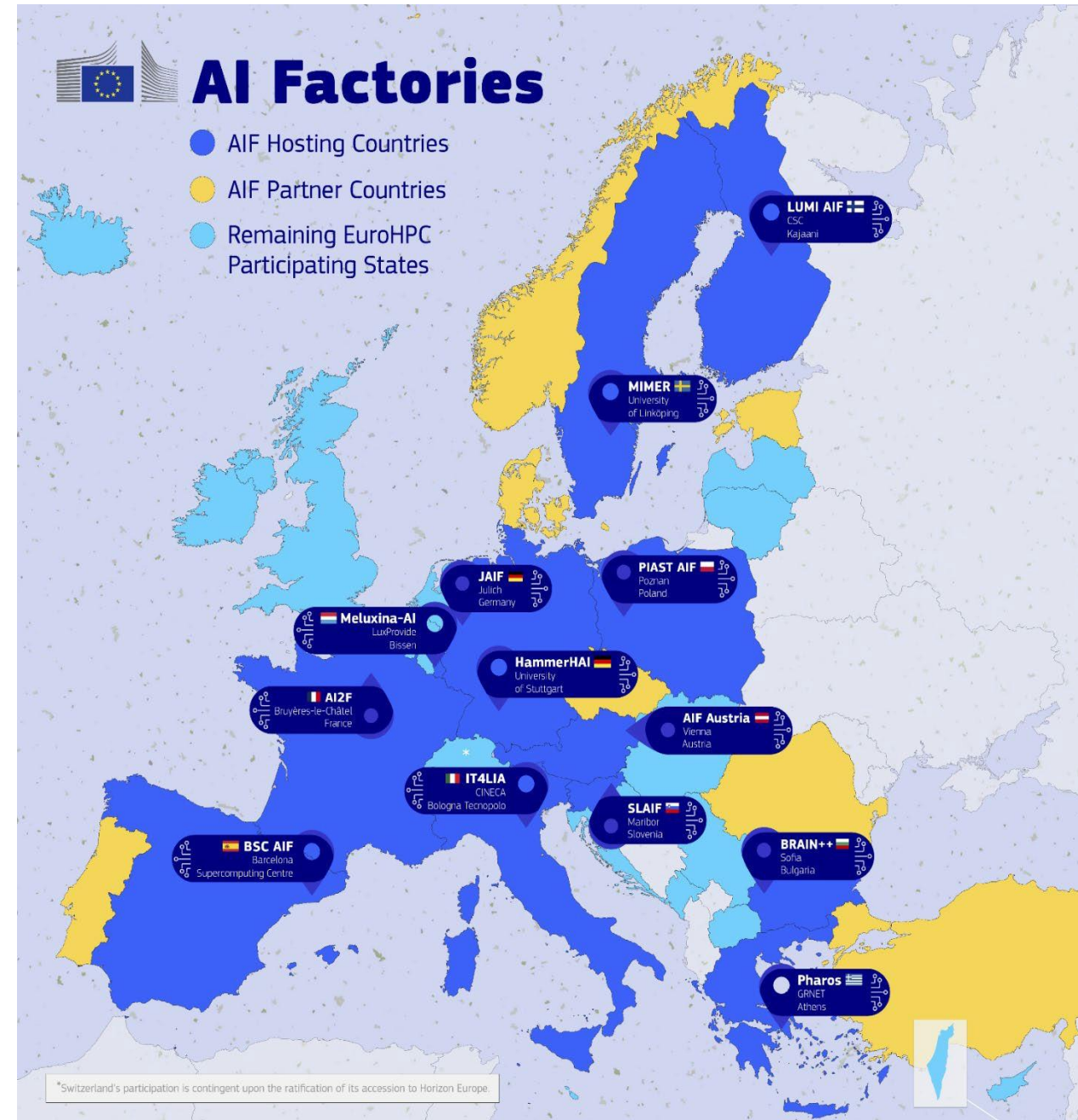
# The AI Continent Action plan

(adopted on 9th April, <https://digital-strategy.ec.europa.eu/en/library/ai-continent-action-plan> )



# AI Factories

- **Dynamic ecosystems, including AI-optimised supercomputers, data capacities, programming and training facilities, and human capital** to support the EU AI industrial and research ecosystems in developing large AI models and applications
- Novel approach to AI innovation based on a network of public supercomputers providing an open environment to AI developers
- **Health/Life Science; Manufacturing; Climate/Environment; Defence; Mobility; Energy; Space; Finance; Cybersecurity; Agri-tech/Agrifood; Education/Arts/Culture;** and more
- **13 AI Factories** across 17 Member States and two EuroHPC Participating States. Expecting additional 2+ AIFs and around 8 AIF Antennas (both calls ongoing)
- AIFs will be **interconnected** and establish a collaborative framework for effective networking



# AI Factories access - landing



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AI Factories

[https://eurohpc-ju.europa.eu/ai-factories\\_en](https://eurohpc-ju.europa.eu/ai-factories_en)

AI Factories: computing power and customised support services for free!

## Expanding and scaling business innovation for SMEs and Startups.

The European Union has established 13 new AI Factories that offer **free, customised support** to SMEs and Startups



Apply for Access to AI Factories

Support and Training for Access

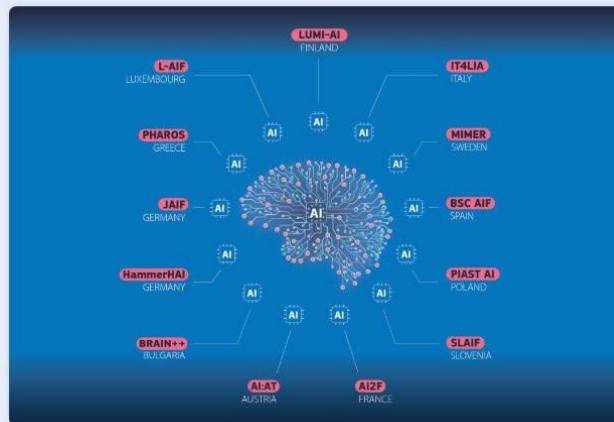
Contact us via email

Consult an expert

[Find more information on the Revised Access Policy of the EuroHPC Joint Undertaking](#)

## What are AI Factories?

AI Factories are dynamic ecosystems that will build around AI-optimised supercomputers, offering computing resources and support services to the European industry, as well as to the European scientific users for the development of large AI models to take advantage of AI technology capabilities in the European Union, and for the development of skills and knowledge in the domain of AI.



## AI Factories

Finland Czechia, Denmark, Estonia, Norway, and Poland	Luxembourg	Italy	Sweden
Germany	Spain Portugal, Romania and Turkey	Greece	France
Slovenia	Bulgaria	Austria	Poland

# AI Factory Antennas call

- Call published on EuroHPC website
- Pending publication and opening for submission on F&T portal



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## Description

The AI Factory Antennas will strengthen the network of EuroHPC [AI Factories](#). The aim of an AI Factory Antenna is to provide national AI ecosystems of a Participating State of the EuroHPC JU with relevant support services, algorithmic support, training activities and access to talent. The AI Factory Antenna will also have to ensure access to supercomputing resources from an established AI Factory.

This call for proposals will allow for more EuroHPC Participating States to have their own 'AI Factory Antenna' without having to invest in supercomputing resources required for the establishment of a fully-fledged AI Factory.

To be eligible under this call, proposals by EuroHPC Participating States for establishing an AI Factory Antenna must fulfil the following two conditions:

- The Participating State has not yet been selected to host an AI Factory or be already partner of a selected AI Factory;
- The proposal must include a (pre- agreed) association with an established AI Factory.

All selected AI Factory Antennas under this call will thus be in a position to provide AI-optimised computing capabilities and services for the large-scale training and development of general-purpose AI models, and other AI applications/ solutions to their national stakeholders and users of their countries.

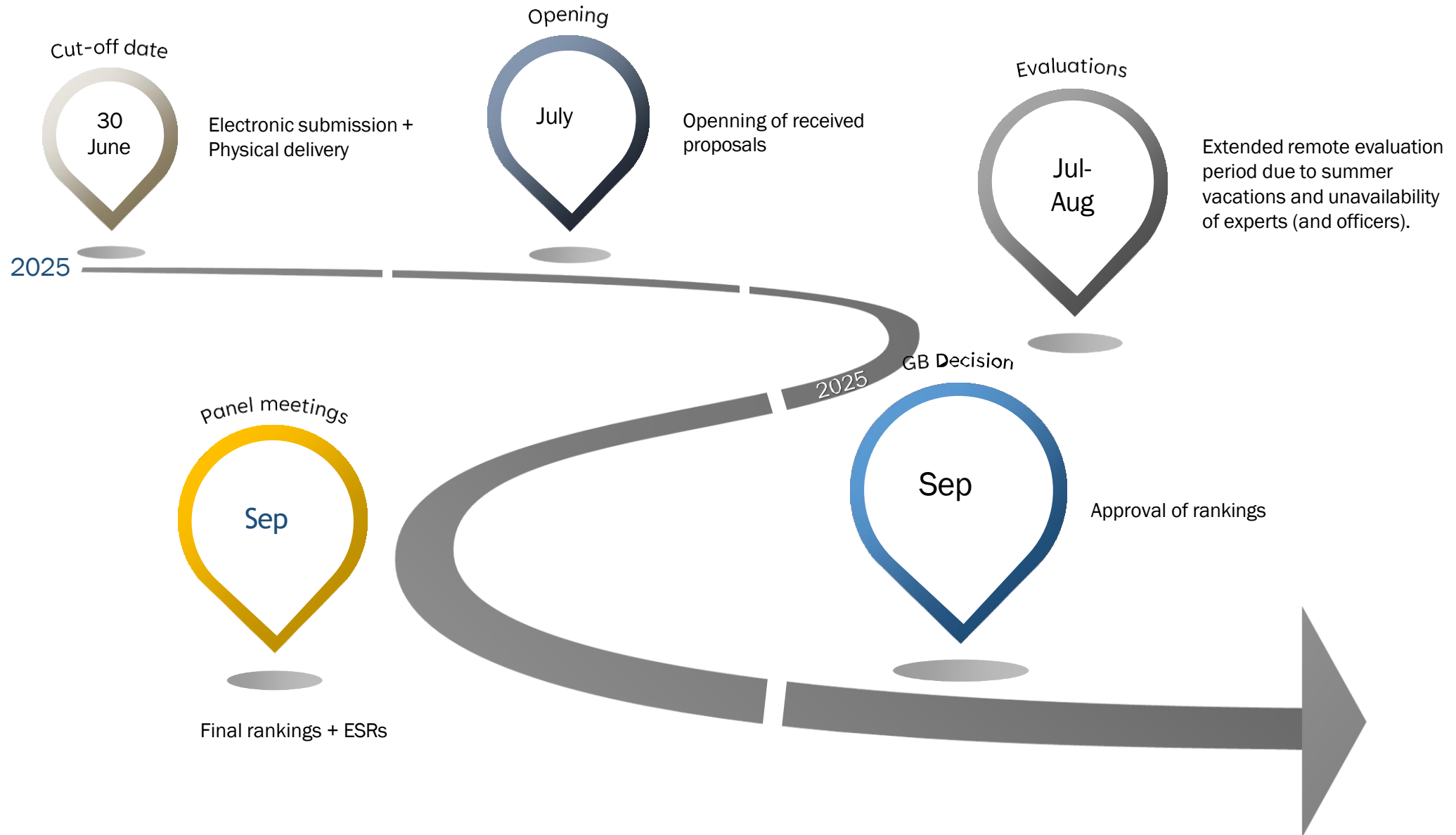
## Details

<b>Status</b>	N/A
<b>Reference</b>	HORIZON-EUROHPC-JU-2025-AIFA-01
<b>Publication date</b>	9 April 2025
<b>Deadline model</b>	Single-stage
<b>Deadline date</b>	9 July 2025, 17:00 (CEST)
<b>Funding programme</b>	Horizon Europe – the Framework Programme for Research and Innovation (2021/2027)

## Budget

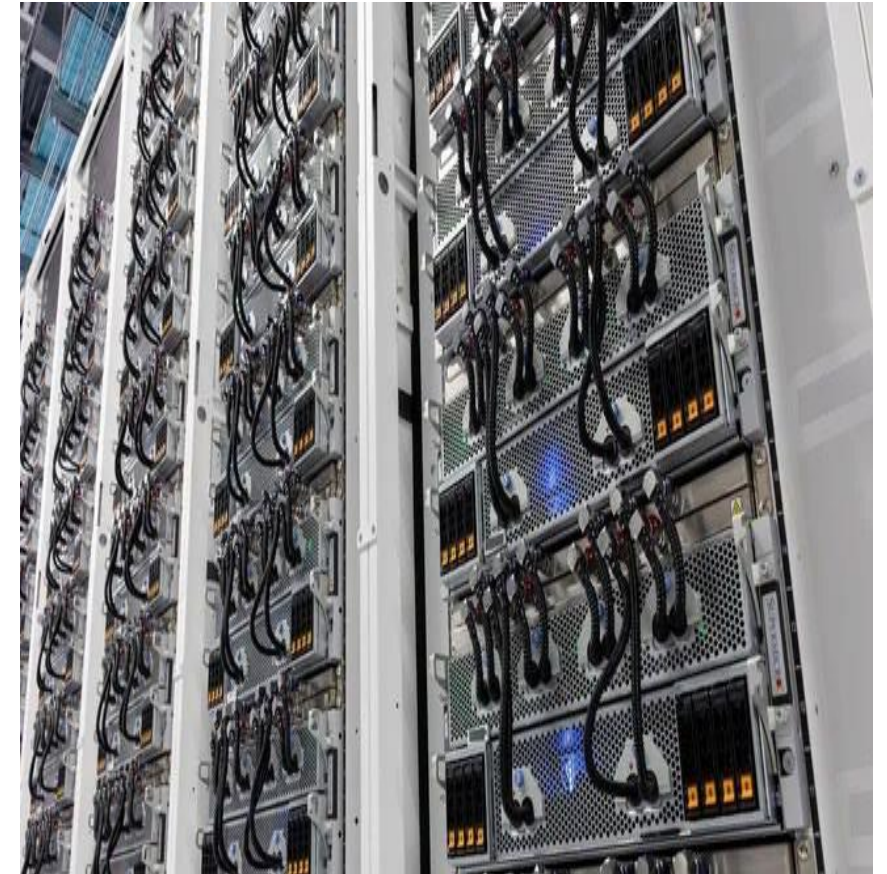
The total indicative budget for the AI Factory Antenna call is up to EUR 70 million. The maximum amount of the European Union (EU) contribution (up to 50% of the total eligible costs) under the [Horizon Europe](#) funding programme that may be allocated to an AI Factory Antenna is up to EUR 5 million and is subject to EU budget availability.

# AI FACTORIES CEI 3<sup>RD</sup> CUT-OFF



# AI Gigafactories

- Very large-scale facilities designed to **develop, train, and deploy the next generation most complex AI models at an unprecedented scale** (e.g., tens of trillions of parameters).
- Essential for Europe to be able to **compete on the global level** and ensure its **strategic autonomy in science and in critical industrial sectors**.
- Building on the concept of AI Factories, taking it to the next level by **integrating coherently** massive computing power, **beyond 100 000 advanced AI processors**.
- Focus on **power capacity, supply chain, cutting-edge networks, energy-efficiency, and AI-driven automation**.
- **Federated with the EuroHPC network of AI Factories and sovereign cloud**.
- Need for **public-private partnerships** given the magnitude of the required investments.



# Call for Expression of Interest (CfEoI) Launched: Gauging Interest

**9 April 2025**

Call for Expression of Interest launched by EuroHPC JU.  
Non-binding exploratory phase begins.  
Expecting project ideas, partnership approach, and  
technical and financial feasibility

**Private Sector Engagement**

Strong interest from tech companies, data centres,  
energy providers, and European and International  
investment funds.

1

2

3

4

**Current Status**

Solid support from EuroHPC Governing Board.  
EU Member States reaching out.

**20 June 2025**

Deadline for submissions.  
Several promising proposals expected to be submitted.

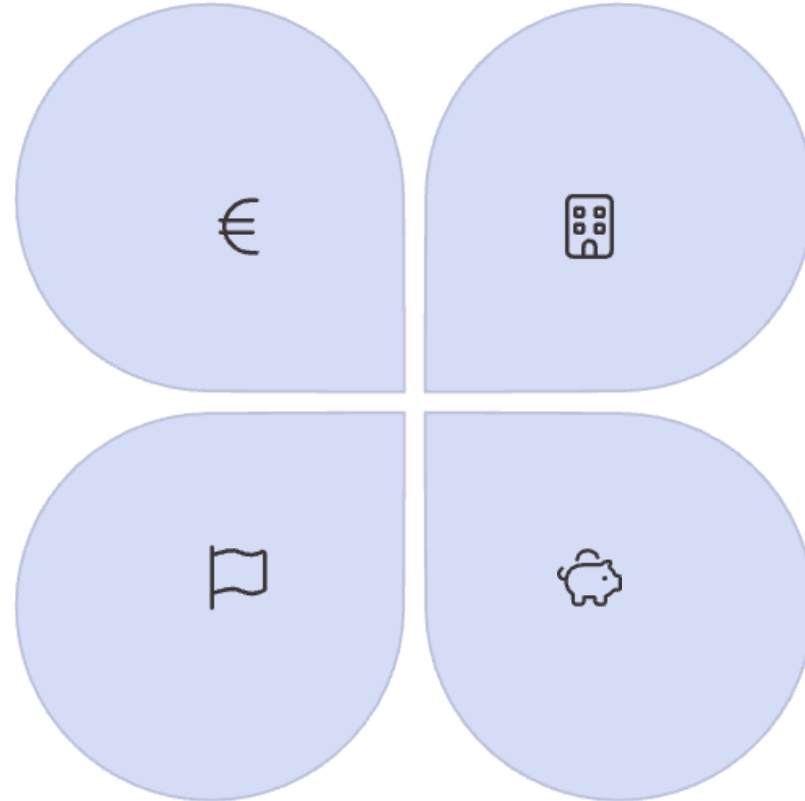
# Next Steps



# Funding Sources

## EU contribution

Funding mobilisation from EU Programmes (DEP, HE, CEF)



## Participating State(s) Resources

## Private Sector Resources

Direct company investments, Equity investments, loans, and in-kind contributions (land, facilities, power...)

## InvestAI Facility

Coordinated with EIB Group under InvestEU<sup>1</sup>

*(1) Guarantee programme to de-risk part of the investment and attract private capital.*

# Next Steps for Stakeholders

- **Build consortia and business plans**
- **Engage national authorities**
- **Focus on sustainability and security**
- **Prepare for the official call**

# Conclusion

- **AI Factories: already delivering**
- **Gigafactories: Europe's AI future**
- **Federated, sustainable, strategic**
- **Let's build this ecosystem together**



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# Thank You!