

# Belgium joins the network of AI Factories and AI Factory Antennas

17 December 2025

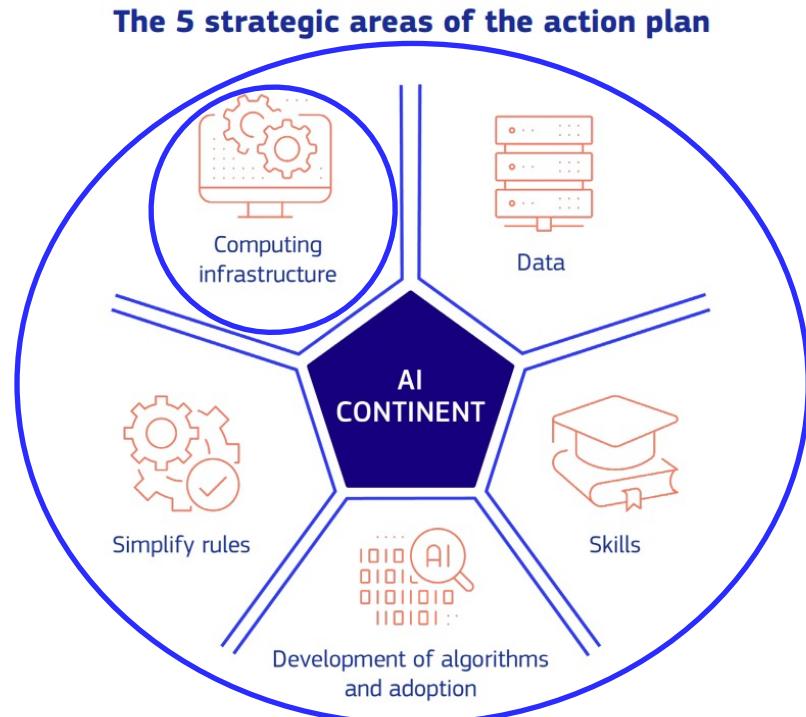
Ward Poelmans

BE-AIFA



**EuroHPC**  
Joint Undertaking

# Europe AI continent plan

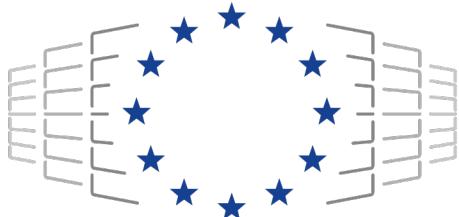


Source: <https://digital-strategy.ec.europa.eu/en/factpages/ai-continent-action-plan>

# EuroHPC

## EuroHPC:

- Strategy autonomy in HPC
- Start in 2018 with (large) investment in HPC
- 6 petascale, 3 pre-exascale and 1 exascale cluster
- Belgium took part in LUMI
- 2024: extended to AI Factories



**EuroHPC**  
Joint Undertaking



# AI Factories and AI Factory Antennas

## AI Factories

around AI-optimized supercomputers

offering **computing resources**

offering **support** services and **access to data**

to the European **industry** and **scientific users** and **public services**  
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**.

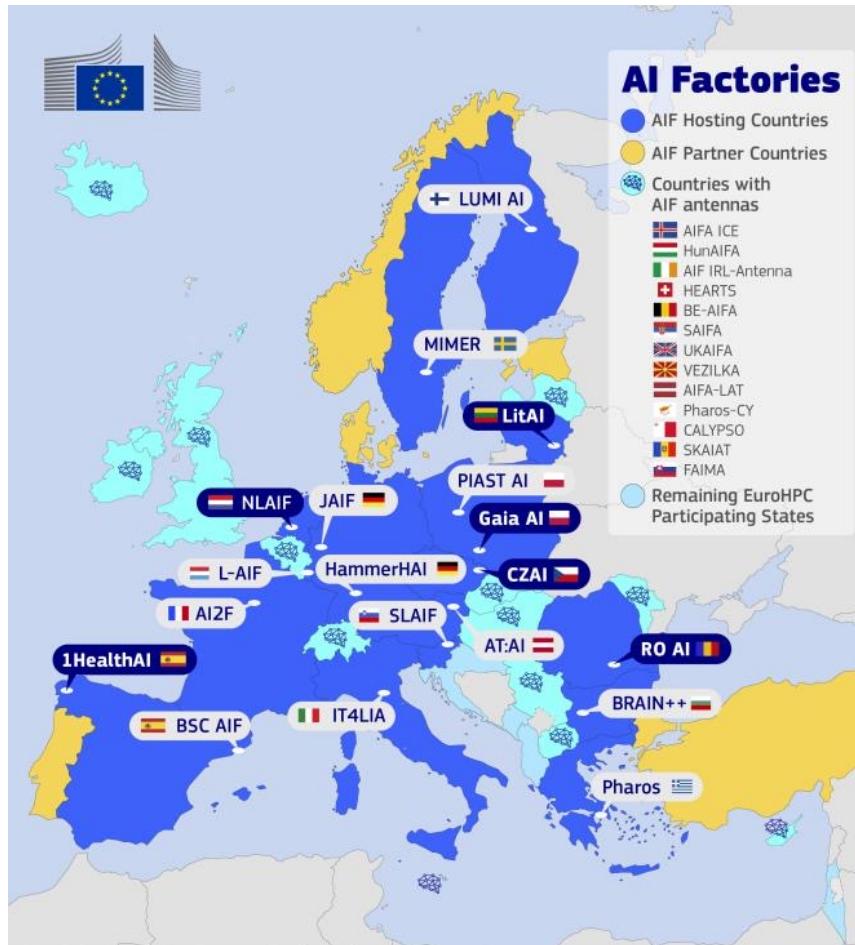
## AI Factory Antennas

Dynamic ecosystems

**complementing** existing AI Factories  
without requiring **significant investment**  
in AI-optimized supercomputers

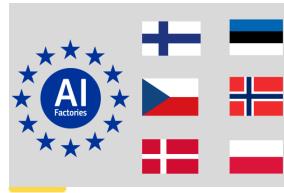
offering **access**  
**to computing resources** across Europe

# AI Factories and AI Factory Antennas



Source: [https://www.eurohpc-ju.europa.eu/ai-factories\\_en](https://www.eurohpc-ju.europa.eu/ai-factories_en)  
Status 20 October 2025

# The Belgian AI Factory Antenna will connect to AI Factories in Finland (LUMI(AI)) and in Germany (JUPITER/JAIF)

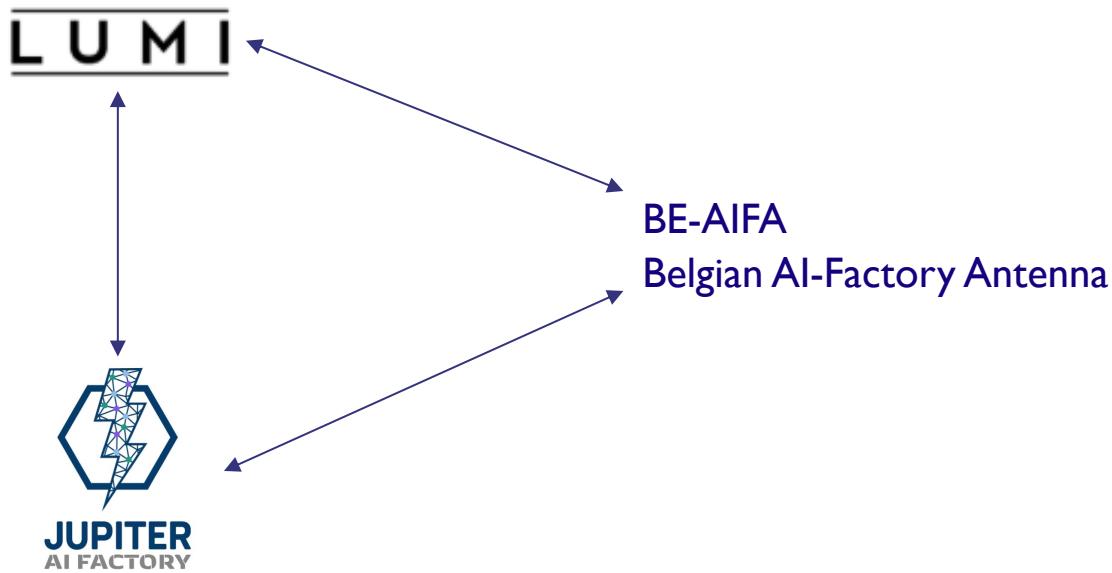


Finland

Czechia, Denmark, Estonia, Norway,  
and Poland



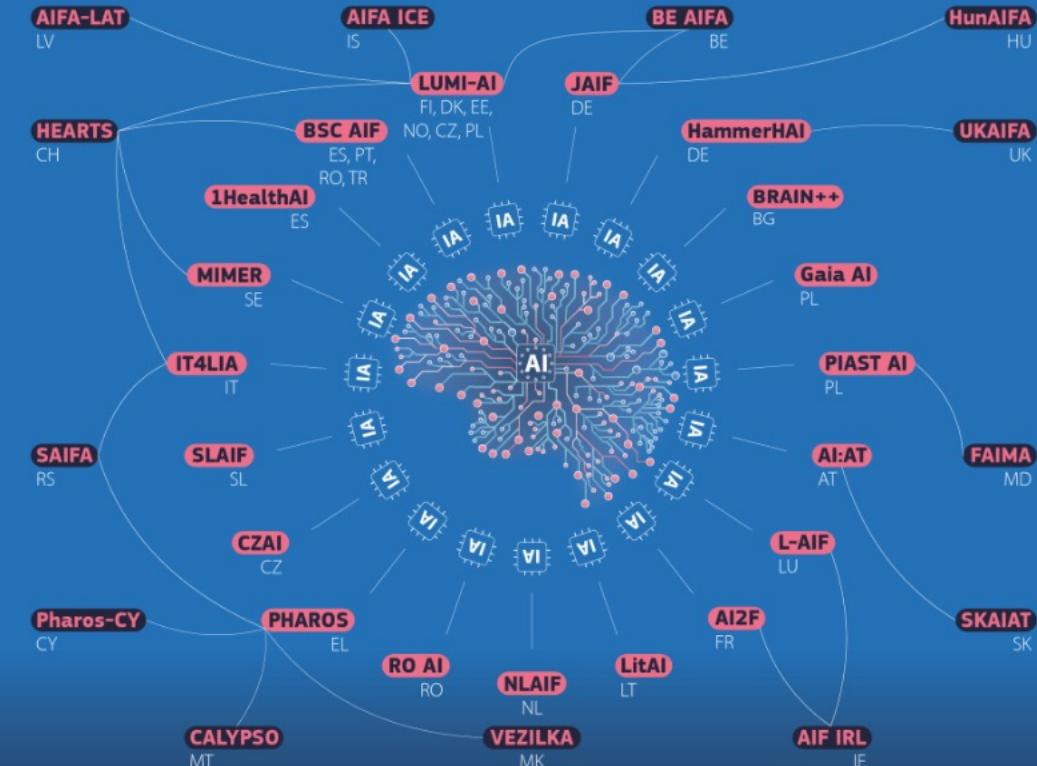
Germany





## EuroHPC AI Factories (AIFs) and Antennas (AIFAs)

will facilitate European startups, SMEs, and researchers, to develop AI as well as boost EU competitiveness and sustainable prosperity.



**EuroHPC JU**  
**LEADING THE WAY IN EUROPEAN SUPERCOMPUTING**

# Belgian AI Factory Antenna Consortium

4 Entities – 23 partners

Federal level	Flanders	Wallonia	Brussels-Capital Region
<b>Research centres</b>			
Sciensano	<b>IMEC</b>	<b>Cenaero</b>	<b>Sirris</b>
SCK CEN	Sirris	CETIC	
	VIB	Multitel	
<b>Universities</b>			
	KU Leuven	UCLouvain	ULB
	UAntwerpen	ULB	VUB
	UGent	ULiège	
	UHasselt	UMons	
	VUB	UNamur	
<b>Public organisations</b>			
<b>BELSPO</b>		Agence Du Numérique	
Belnet			
FPS BOSA			
FPS Economy			

# Belgian AI Factory Antenna - Domains

## Focus Domains:

1. Defense and Security
2. Health, Biotech & Life Sciences
3. Manufacturing, Robotics and Process Control
4. Space and Aeronautics
5. Digital transformation of Public Services

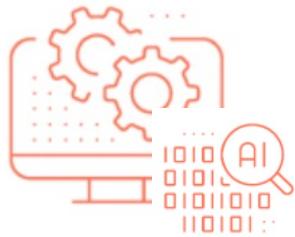
## Other Domains:

Agri-Food, Environment and Climate, Mobility, Transport and Logistics, Science and Research, Media, Culture and Entertainment, Digital Services, Construction, and Cross-cutting and emerging technologies

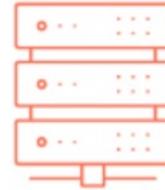
# Belgian AI Factory Antenna - Objectives

1. Accelerated AI adoption, innovation and productivity across key strategic sectors.
2. Affordable and easy access for companies and public organisations to AI optimised computing capabilities and data for the training and development of large-scale AI models, in combination with high-performance computing.
3. Companies and public organisations use the BE-AI Antenna services to develop, test and validate emerging trustworthy and resource-efficient applications.
4. Collaboration in the Belgian and European AI ecosystem leverages the expertise.
5. Better and lifelong training, and development, attraction and retention of AI talent.

# Services provided by the Belgian AI Factory Antenna



Technical Services related to infrastructure and algorithms



Technical Services related to Data



Training Services



Services related to trustworthy AI, compliance, legal aspects and funding



Ecosystem and Networking Services

# Belgian AI Factory Antenna

**23 Partners**

Consortium

**4 Ecosystems**

**Ecosystems & governments**

Flanders  
Wallonia  
Brussels-Capital  
Federal

**2 AI Factories**

LUMI(AI), Finland  
JUPITER/JAIF, Germany

**10 M€**

**Budget**

5M€ Funding EuroHPC JU  
5M€ Member State

**3 Years**

Start planned for April 2026

**1-stop shop**

1 service catalog  
for companies, research and public services