



European Way to Artificial Intelligence?

From Regulation to Investment:
ENFIELD in this ecosystem
& R&I Opportunities

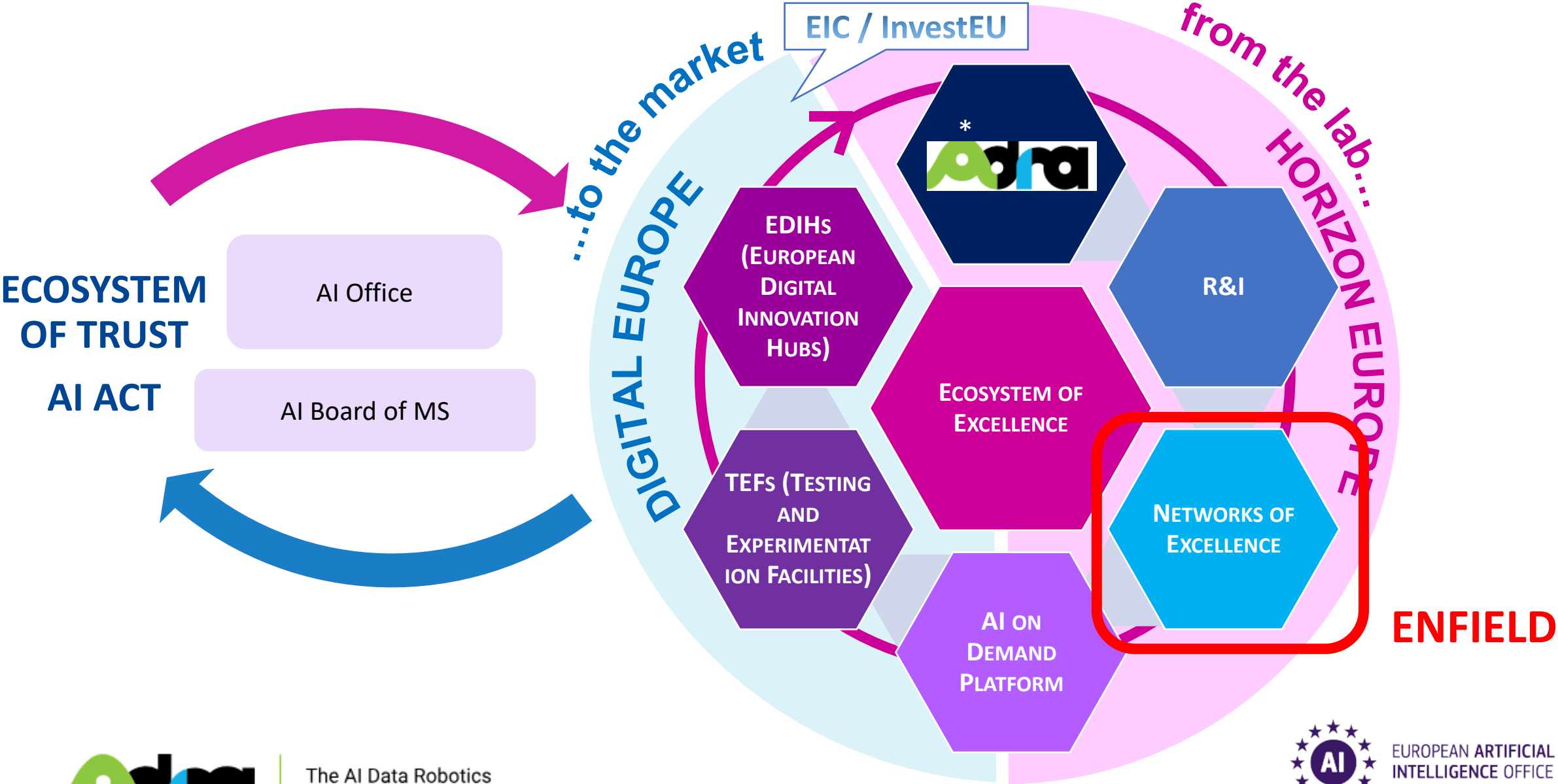
Cécile HUET, PhD

Head of Unit – Excellence in AI and Robotics
DG CONNECT – European Commission



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ENFIELD in Today's Ecosystem



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The AI Data Robotics Association



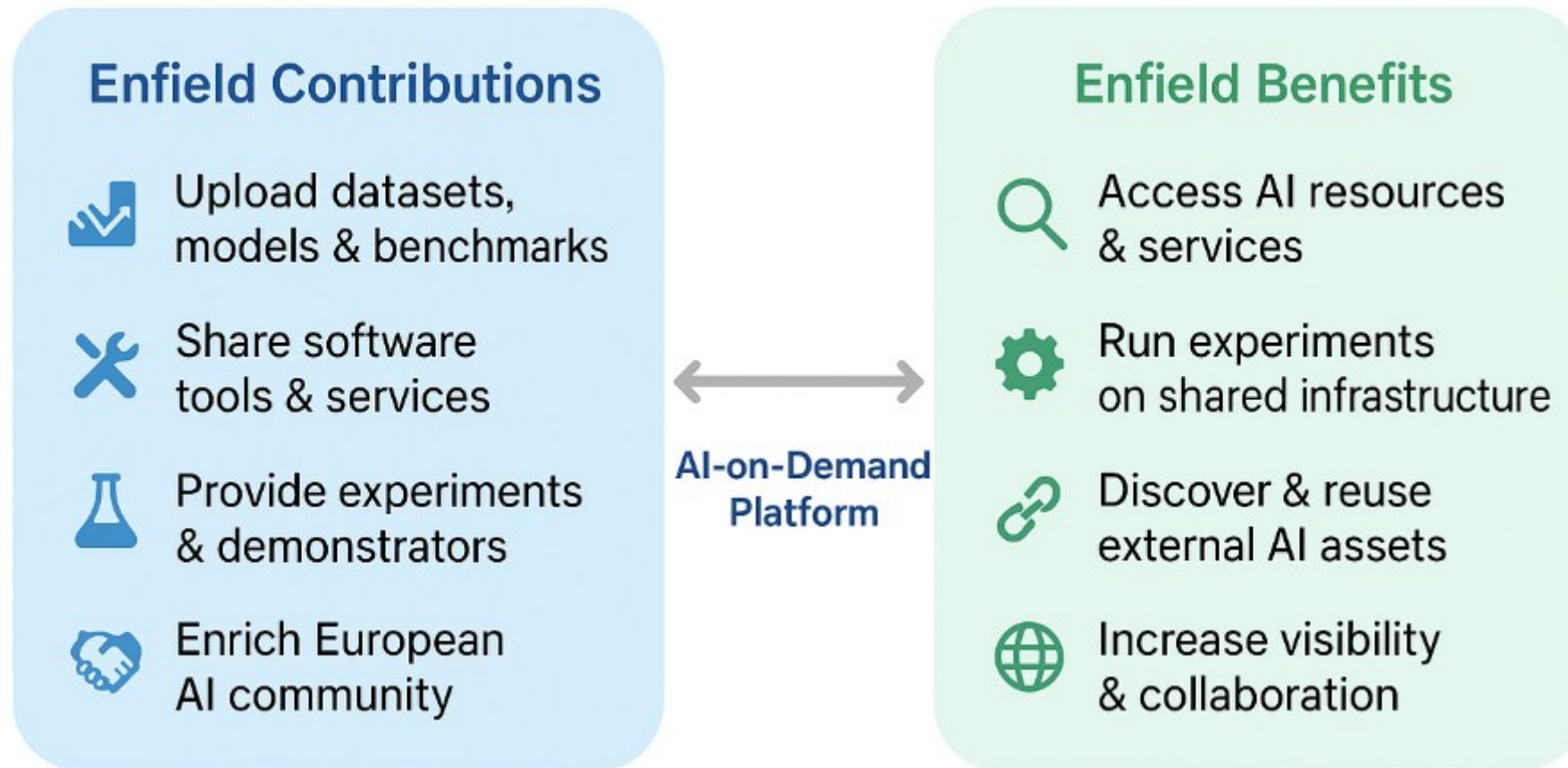
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- ENFIELD focus on advancing fundamental research in **Green, Adaptive, Human-Centric, and Trustworthy AI** is highly relevant.
- Its applied research in key sectors like **Energy, Healthcare, Manufacturing, and Space** will contribute to the AI Continent action plan.



How ENFIELD can use the AloD Platform



➔ **Join The AloD Session @ADRF**



AI4EUROPE



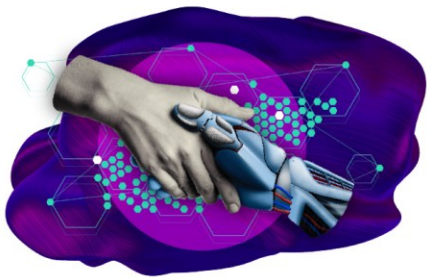
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BUILDING THE FUTURE

AI Continent Action Plan

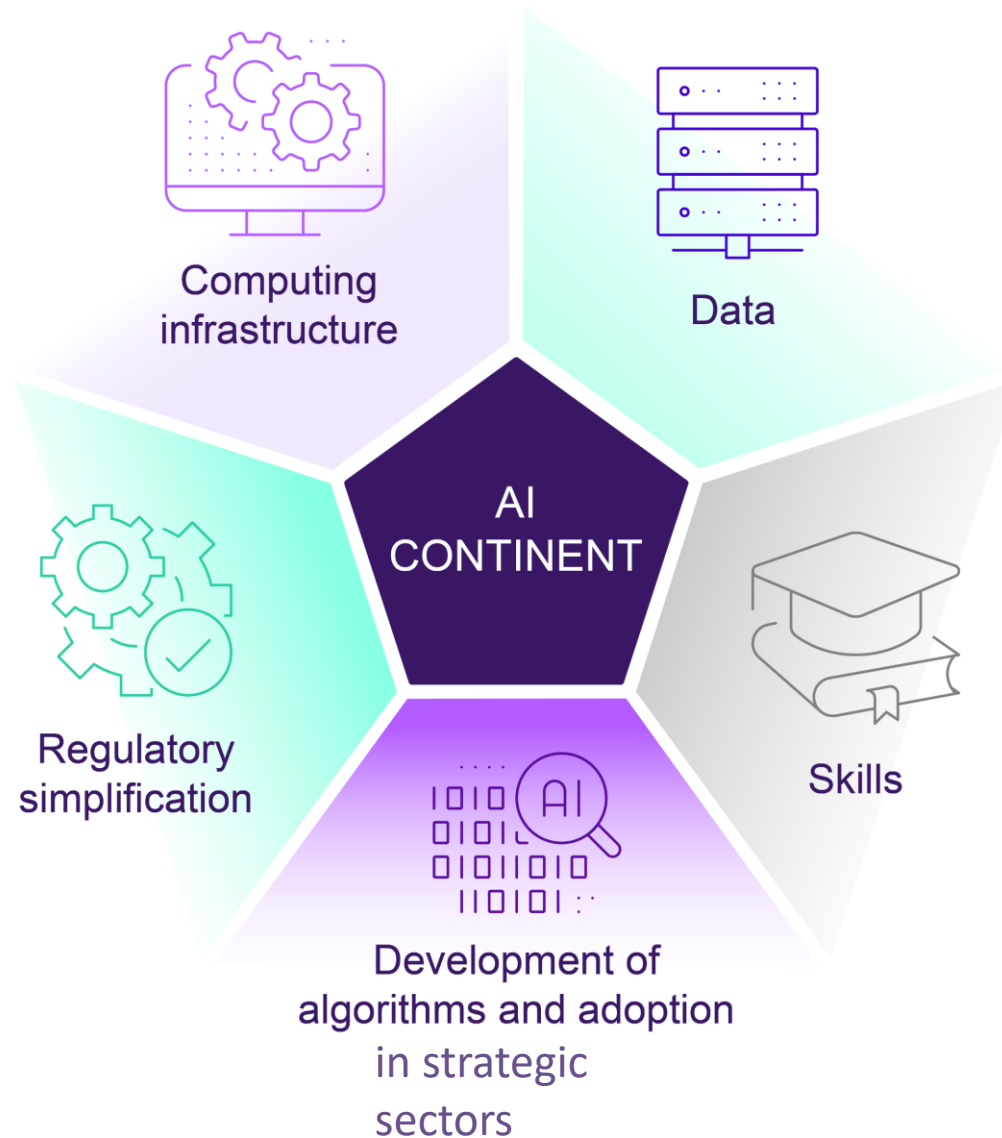


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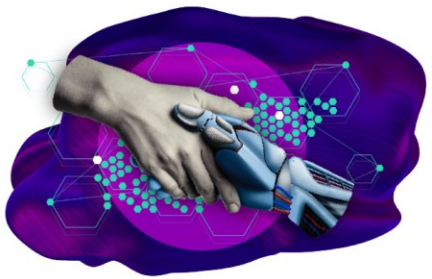


AI Continent Action Plan – 9 April 2025

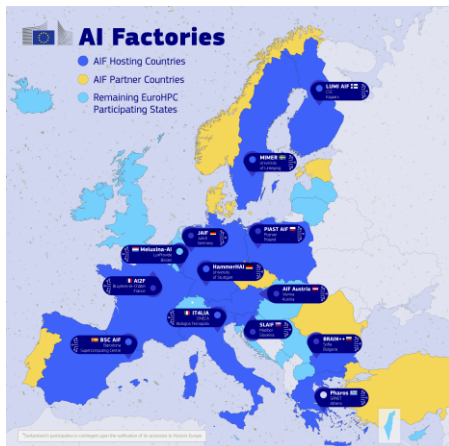
5 Pillars:



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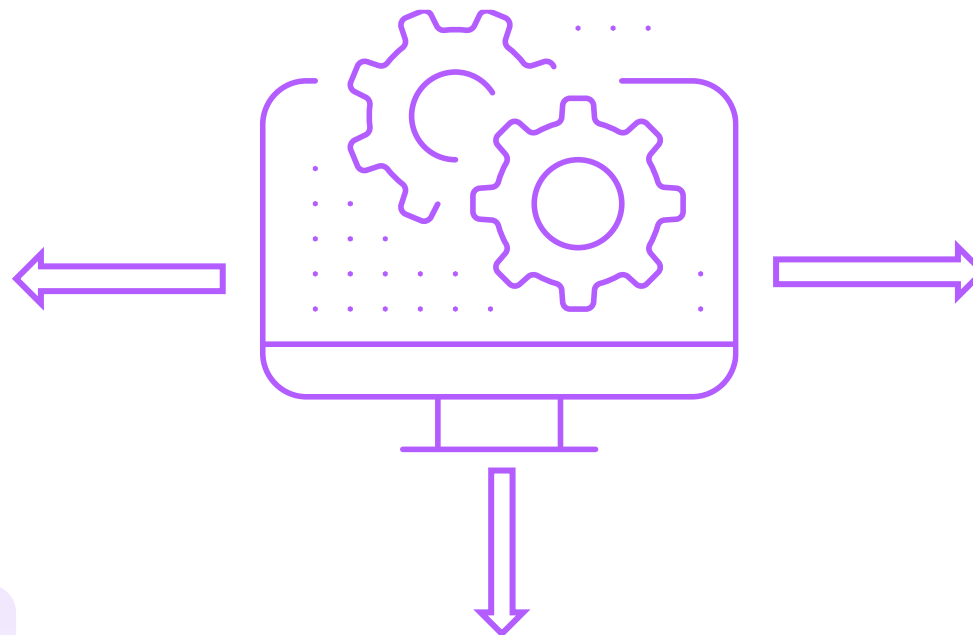


Pillar 1: Computing infrastructure



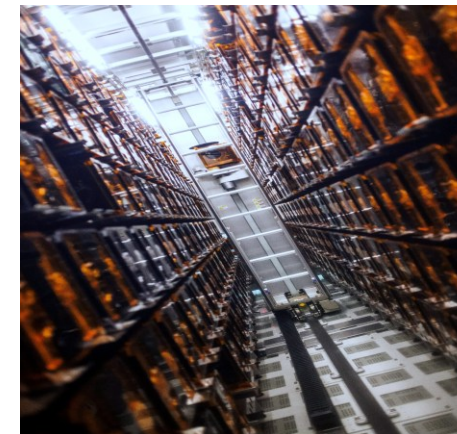
AI Factories

- Dynamic innovation ecosystems, connecting **supercomputing centres**, start-ups, research organisations, industry
- **13 AI Factories** set up throughout the EU
- AI Factories **access policy**
- AI Factories **antennas call**



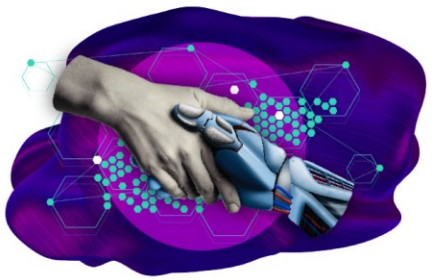
Cloud and AI Development Act

- At least **triple the EU data centre capacity within the next 5 to 7 years**
- **Incentivise European investments** in cloud and edge capacity – e.g. **simplifying the permitting process**

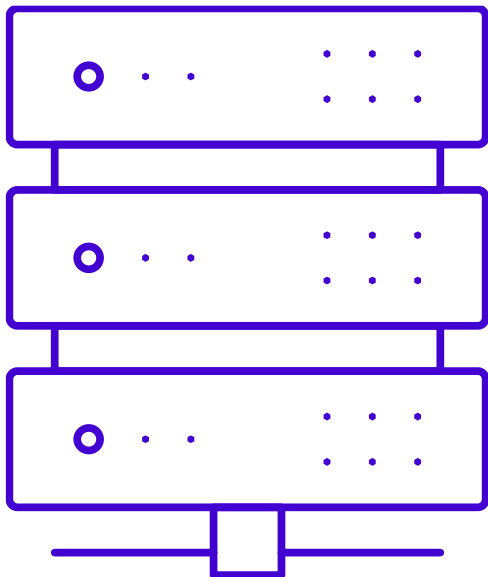


Up to 5 AI Gigafactories

- Large-scale facilities **developing and training complex AI models**
- Massive computing power (over **100,000 advanced AI processors**)
- **InvestAI Facility** to mobilise **EUR 20 billion** for AI GigaFactories
- A **call for expression of interest** for interested consortia launched with this Action Plan.

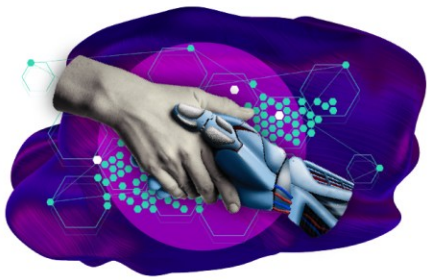


Pillar 2: High-quality data

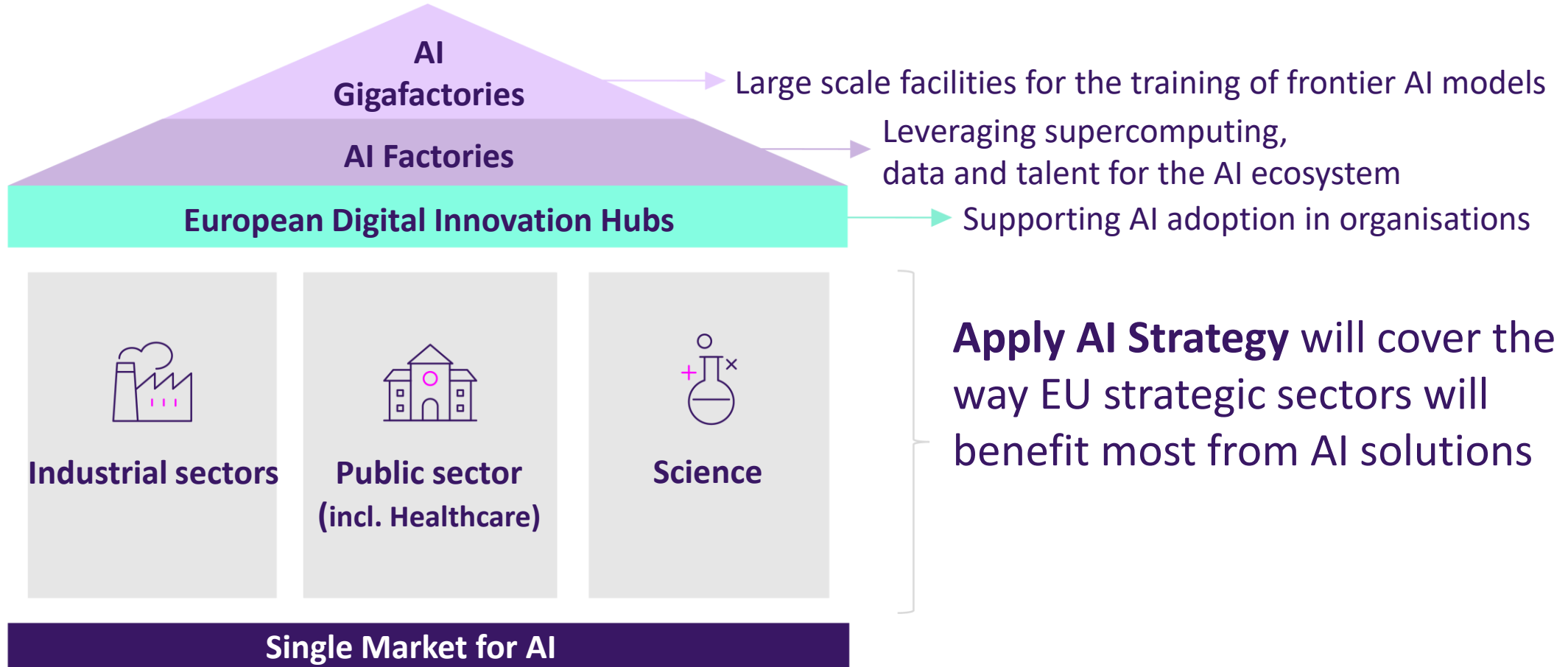
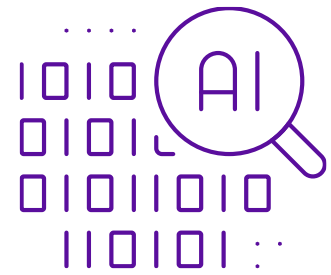


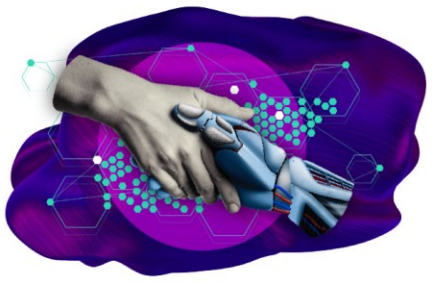
Data Union Strategy

- Deploy **Data Labs** within the AI Factories that will:
 - **Bring together and organise data** from different sources for AI developers
 - Link to **Common European Data Spaces**
 - Provide **data-related services** (e.g., cleaning and enriching datasets)
- Promote the development of a **shared cloud software to make it easier to manage and connect data spaces**
- Build a repository of high-quality language resources under the **Alliance for Language Technologies** (ALT-EDIC) initiative
- Investigate ways to **reduce unnecessary bureaucracy**, listening attentively to the needs of stakeholders

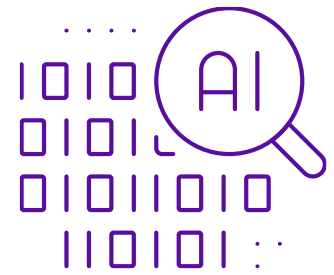


DEVELOPMENT OF ALGORITHMS AND ADOPTION: THE APPLY AI STRATEGY (1/2)





DEVELOPMENT OF ALGORITHMS AND ADOPTION: THE APPLY AI STRATEGY (2/2)



A use-case based approach in key industry sectors and the public sector

- **Identify potential** for AI adoption
- Tackle **sector-specific challenges** in strategic verticals, building on key EU support instruments

European Digital Innovation Hubs as the key drivers for advancing AI deployment

- EDIHs will become **Experience Centres for AI**, promoting the adoption of sector-specific AI solutions
- They will be the **link between the main actors of the AI ecosystem**

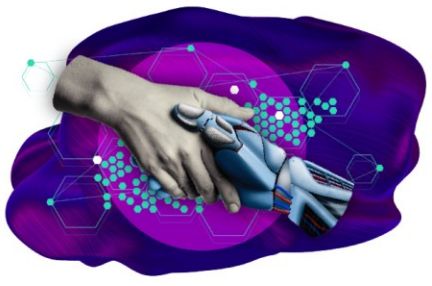
AI “made in Europe” from research to the market

- **Foster R&I**, as done through the GenAI4EU initiative
- Promote foundational research by establishing the **European AI Research Council – RAISE – Resource for AI Science in Europe**

GenAI4EU & Some upcoming Funding Opportunities



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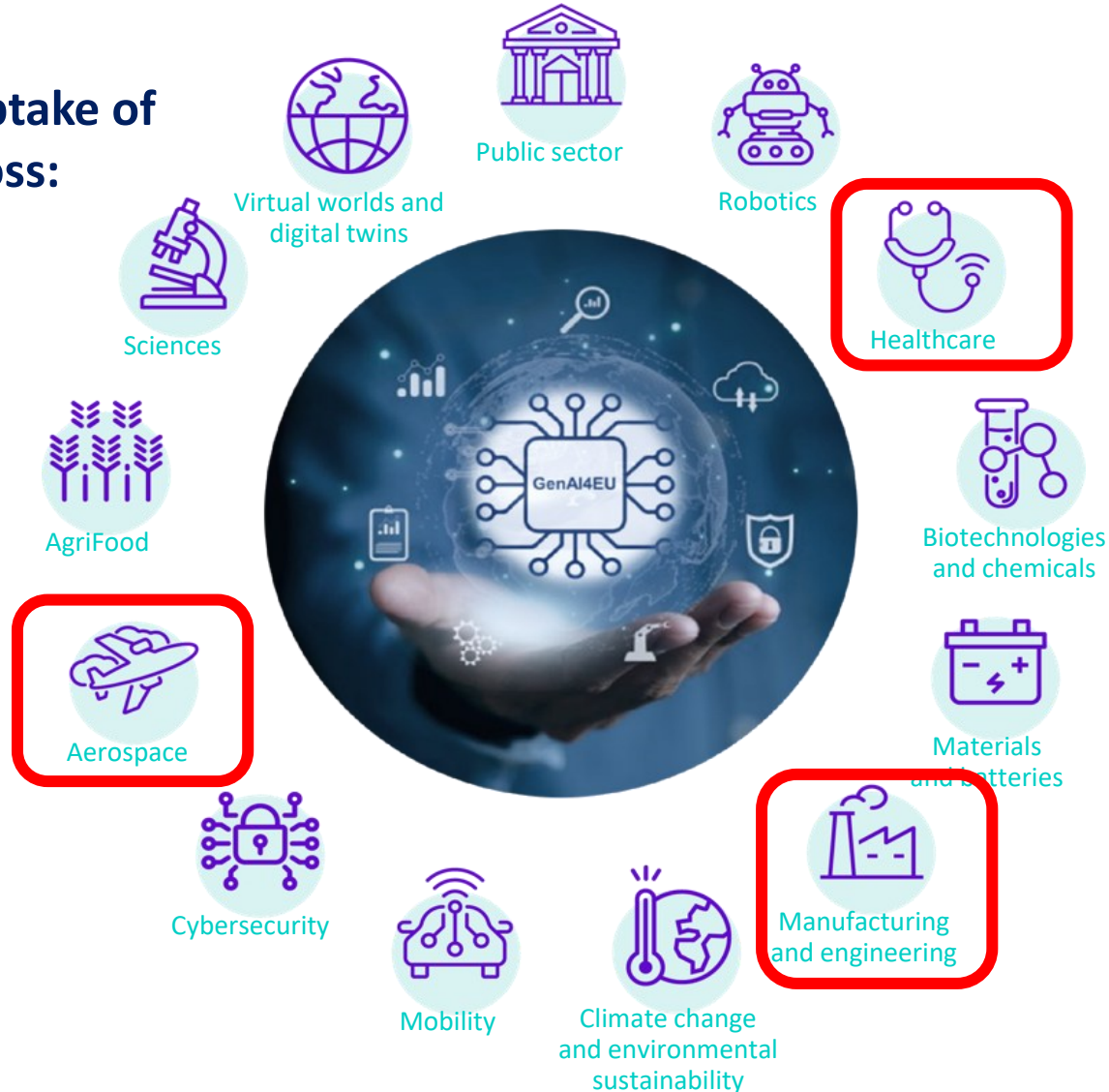


The GenAI4EU Initiative

Stimulate widespread uptake of genAI “Made in EU” across:

- strategic industries
- public sector
- science

Startups & innovators work closely with industrial users and PAs
→ attract investments + access key ingredients of AI - **data, computing, algorithms and talent**



€700M

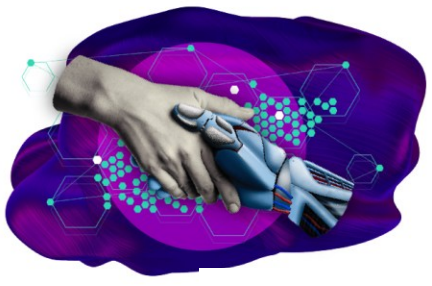


+ 14 Strategic Industrial Ecosystems

- Aerospace & Defence
- Digital
- Electronics
- Energy Intensive Industries
- Energy-Renewables
- Mobility-transport -Automotive
-



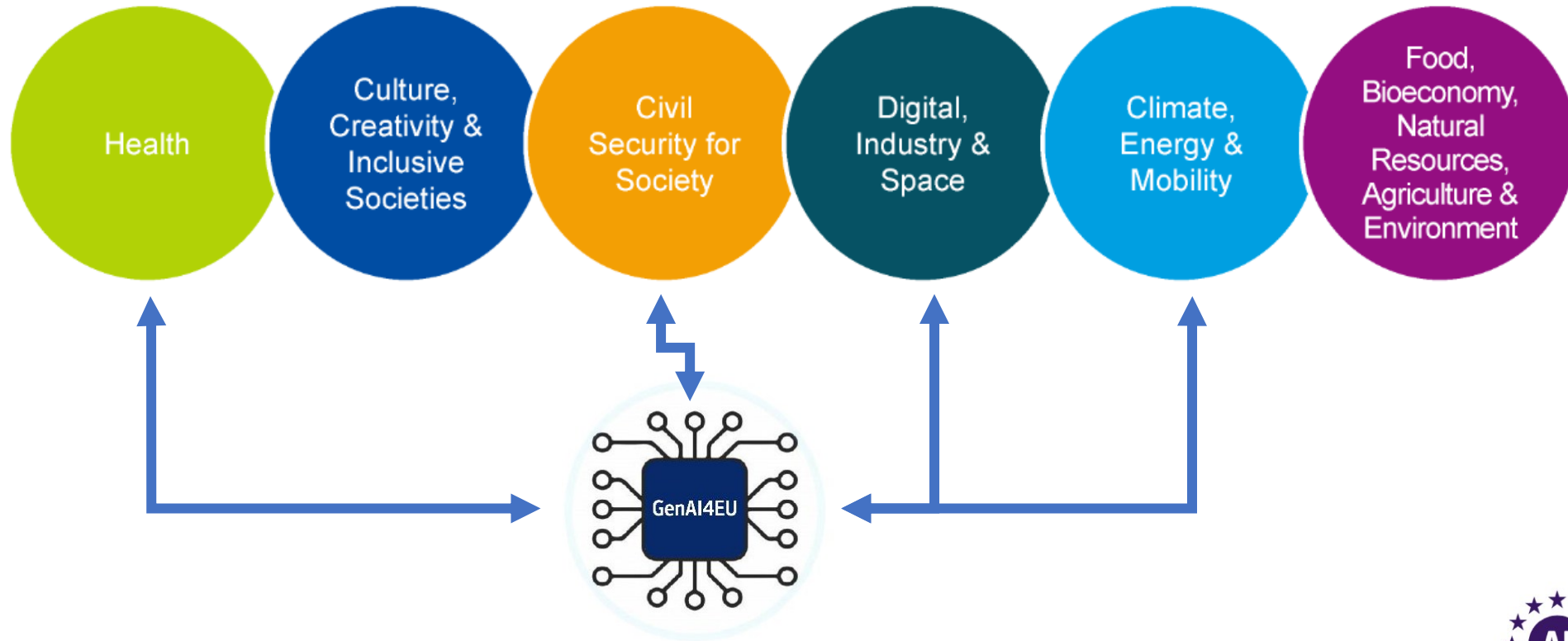
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Upcoming GenAI4EU Calls in the application-driven clusters

Pillar II - Clusters

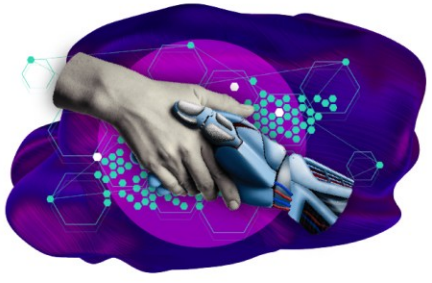
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS:



For more information: [Horizon Europe EU Funding & Tenders Portal](https://ec.europa.eu/horizon-europe/)



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Horizon Europe WP 2025 - Cluster 4

Upcoming Calls on GenAI & Robotics

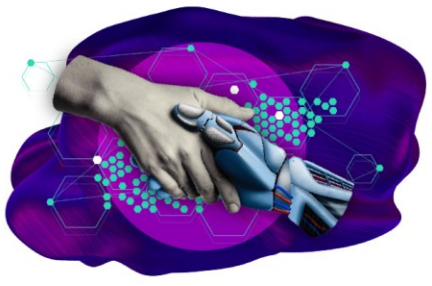
Enhanced Learning Strategies for General Purpose AI: Advancing GenAI4EU : 30 M€ (15 M€ /project)

Assessment methodologies for General Purpose AI capabilities and risks : 7 M€ (3-4 M€ /project)

Challenge-Driven GenAI4EU Booster : Drug/Pharma + Aerospace + Telecom Networks: 45 M€ (15 M€ /project)

Robust and trustworthy **GenerativeAI for Robotics and industrial automation** : 85 M€ (40-45 M€ /project)

GenAI4EU central Hub (Coordination and Support Action): 3 M€ (1 project)



Horizon Europe Cluster 4 Work Programme 2025

Horizon Europe Cluster 4 (Digital, Industry and Space) Work Programme 2025:

- Publication: April
- Info Day Cluster 4: May 13-14 - online
- Info Day & Matchmaking **AI-DATA-ROBOTICS**: May 16 – Brussels & hybrid - check ADRA
- **DEADLINE: 2nd of October 2025**



Info days

[Horizon Europe info days - Cluster 4](#)

Tuesday 13 May 2025, 09:30 -

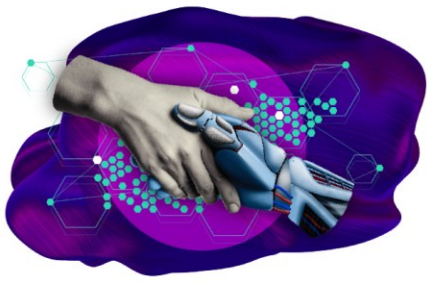
Wednesday 14 May 2025, 17:00
(CEST)

📍 Online only

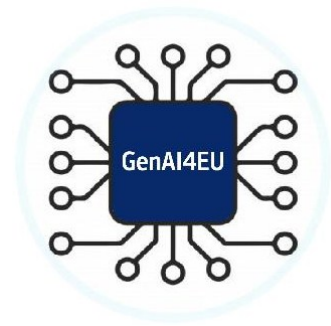
📺 Live streaming available



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GenAI4EU @EIC



Deadline:
29/10/2025

Cut-off dates:
12/03/2025 and 01/10/2025

PATHFINDER



- **Generative-AI based Agents to Revolutionize Medical Diagnosis and Treatment of Cancer**
- TRL: 3-4
- Budget 30M€

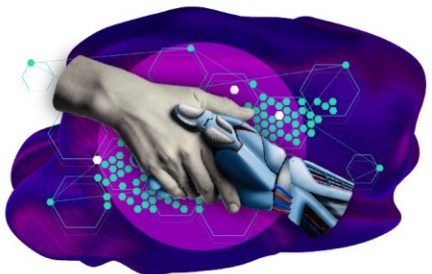
ACCELERATOR



- **GenAI4EU: Creating European Champions in Generative AI**
- TRL ≥ 6
- 50 M€



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GenAI for Public Administration: Open Call under DEP 2025



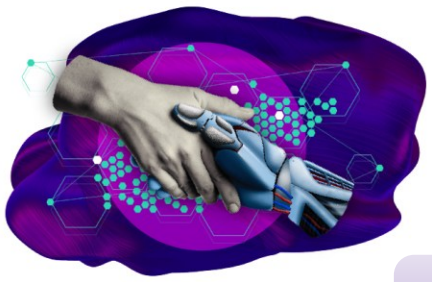
[Apply AI: GenAI for the public administrations](#)

DIGITAL-2025-AI-08-SUPPLY-AI | Call for proposal

 Open For Submission

€21 million
budget
(€5-7 million /
project)

- Through grants for procurement, **accelerate** adoption of European GenAI solutions in public administrations via 3/4 pilot projects focusing on different **use cases**:
 - Streamline **internal processes** by automating routine tasks, saving time and resources.
 - Enhance personalized **citizen services**.
 - Improve **decision-making** with data-driven insights.
 - Mitigate **staff shortages**.
 - Break down **language barriers**.
- Ensure replicability across EU Member States
- Create a GenAI Community of Public administrations



Timeline and Next Steps



Timeline:

- Call Opening: **15 April 2025**
- Call deadline: **2 OCTOBER 2025**
- Selection of consortia: **Nov/Dec 2025**



Funding and Tenders portal

Next steps:

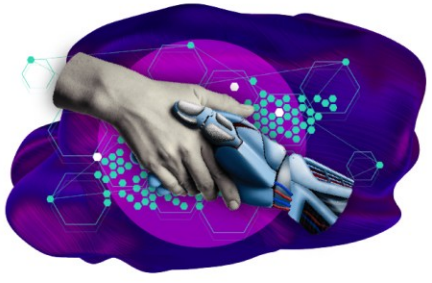
- B2Match platform to continue matchmaking offline (www.b2match.com/e/genai4publicadmin)
- [FAQ available soon on Funding & Tender Portal](#)



**B2Match
registration**



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AI Skills Academy (DEP 2025)



- **Master's in GenAI + modules** in Bachelor's, Master's, and VET
- **On-the-job trainings** with pilots for public sector and SMEs
- **AI apprenticeship program** in cooperation with companies
- **Scholarship and returnship programs**
- Dedicated actions for "**Women in AI**"
- Funding: 7+7 EUR mln (EU+MS)
- Timeline: Apr-2 **OCT 2025**



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THANK YOU



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