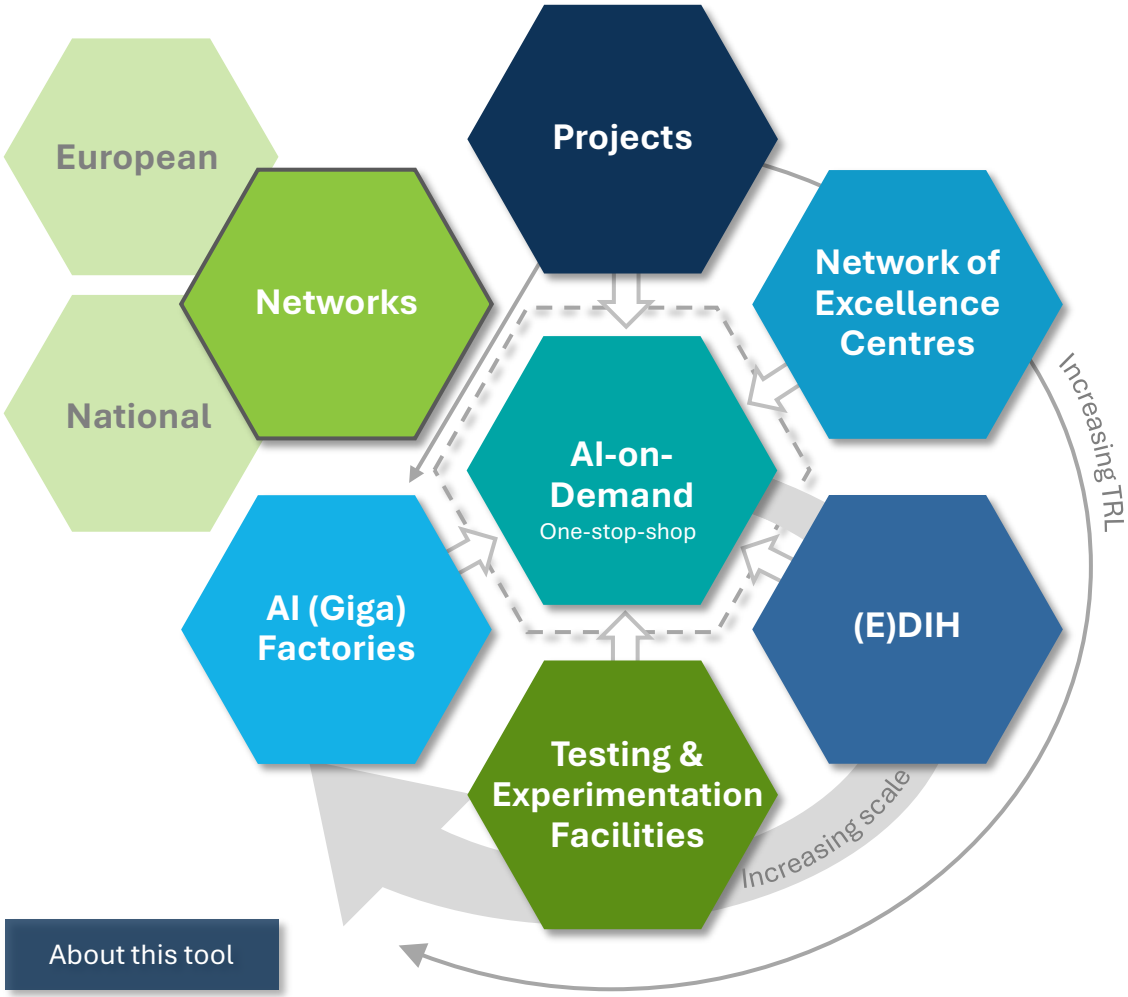
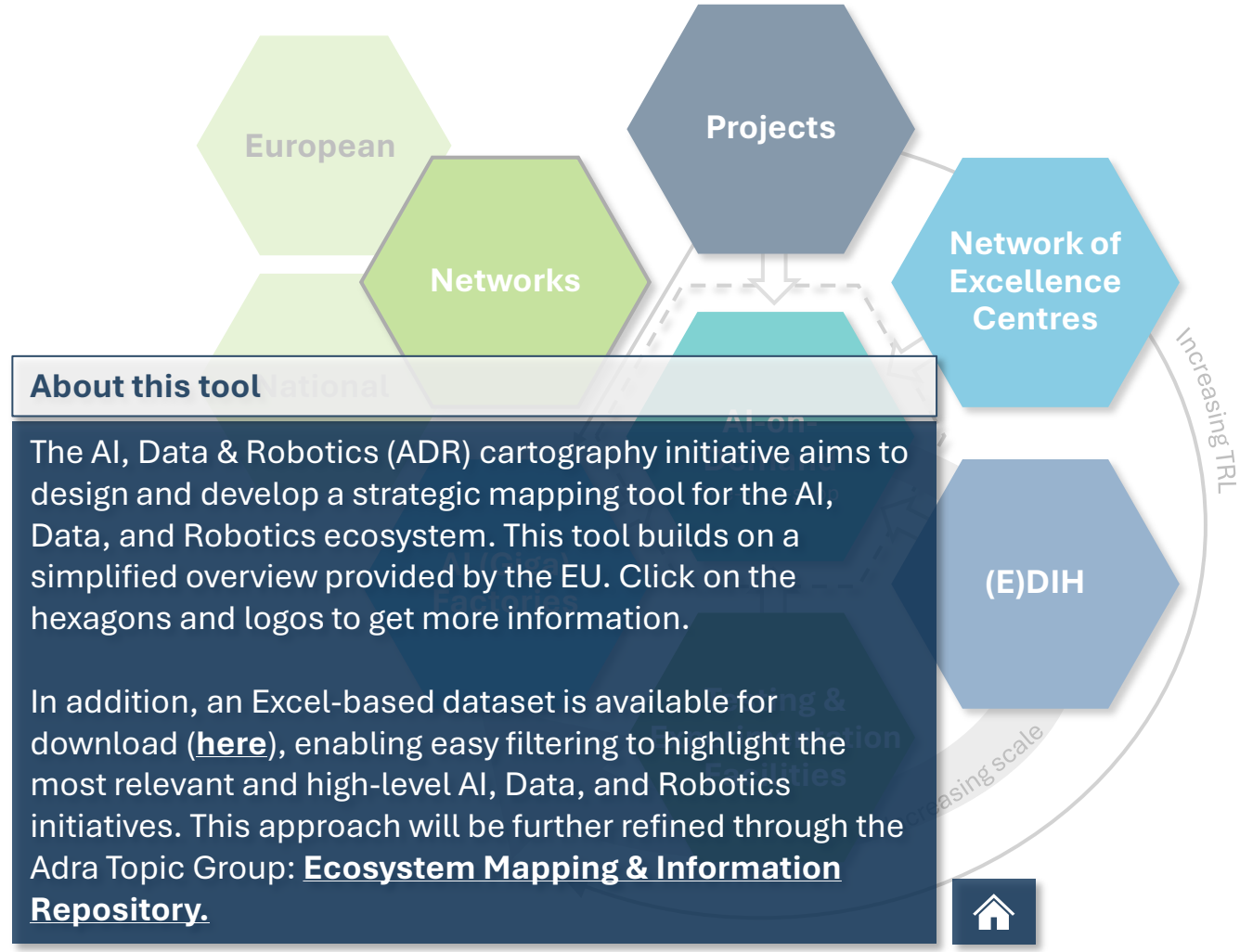


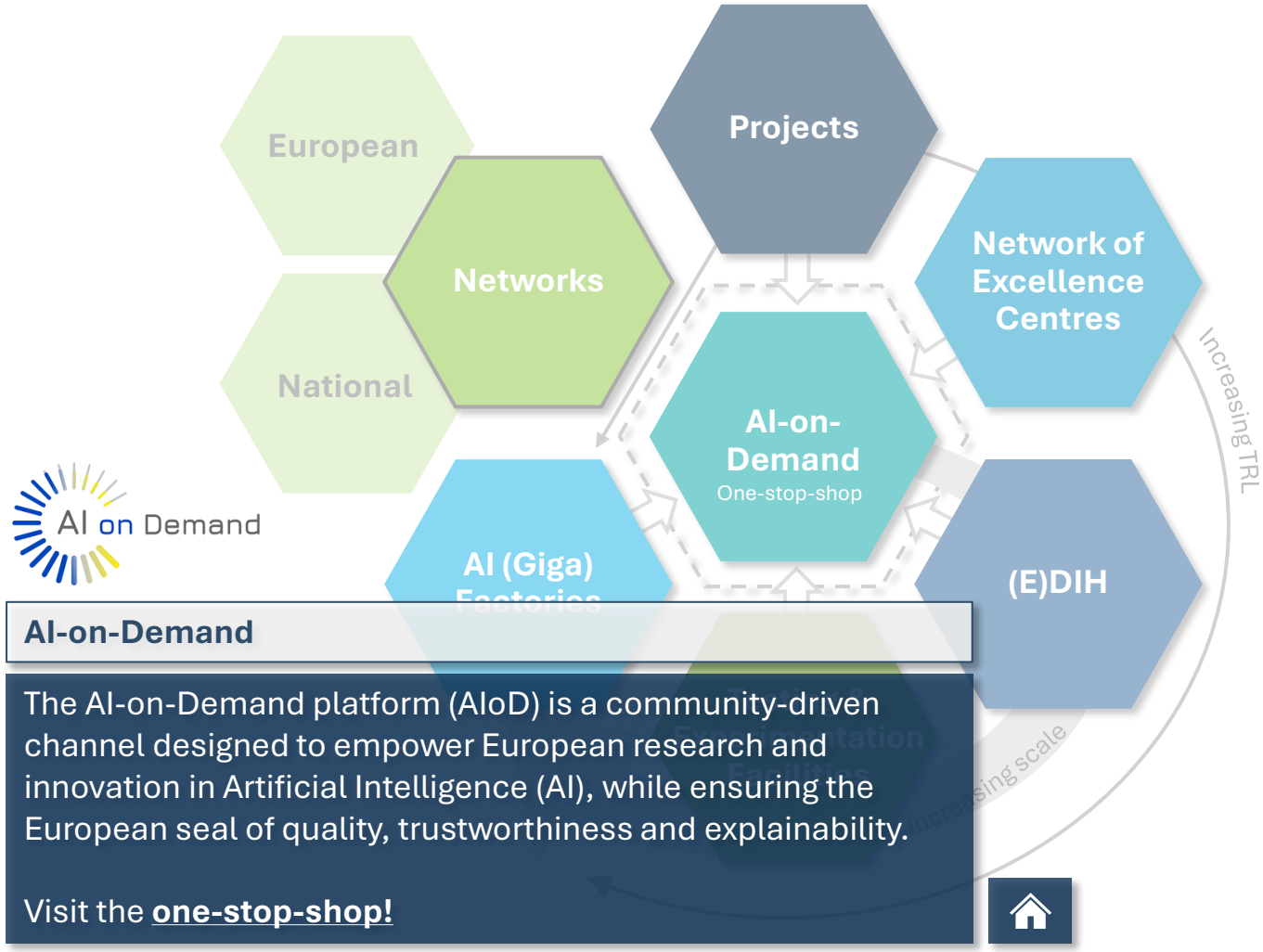
About this tool



About this tool

The AI, Data & Robotics (ADR) cartography initiative aims to design and develop a strategic mapping tool for the AI, Data, and Robotics ecosystem. This tool builds on a simplified overview provided by the EU. Click on the hexagons and logos to get more information.

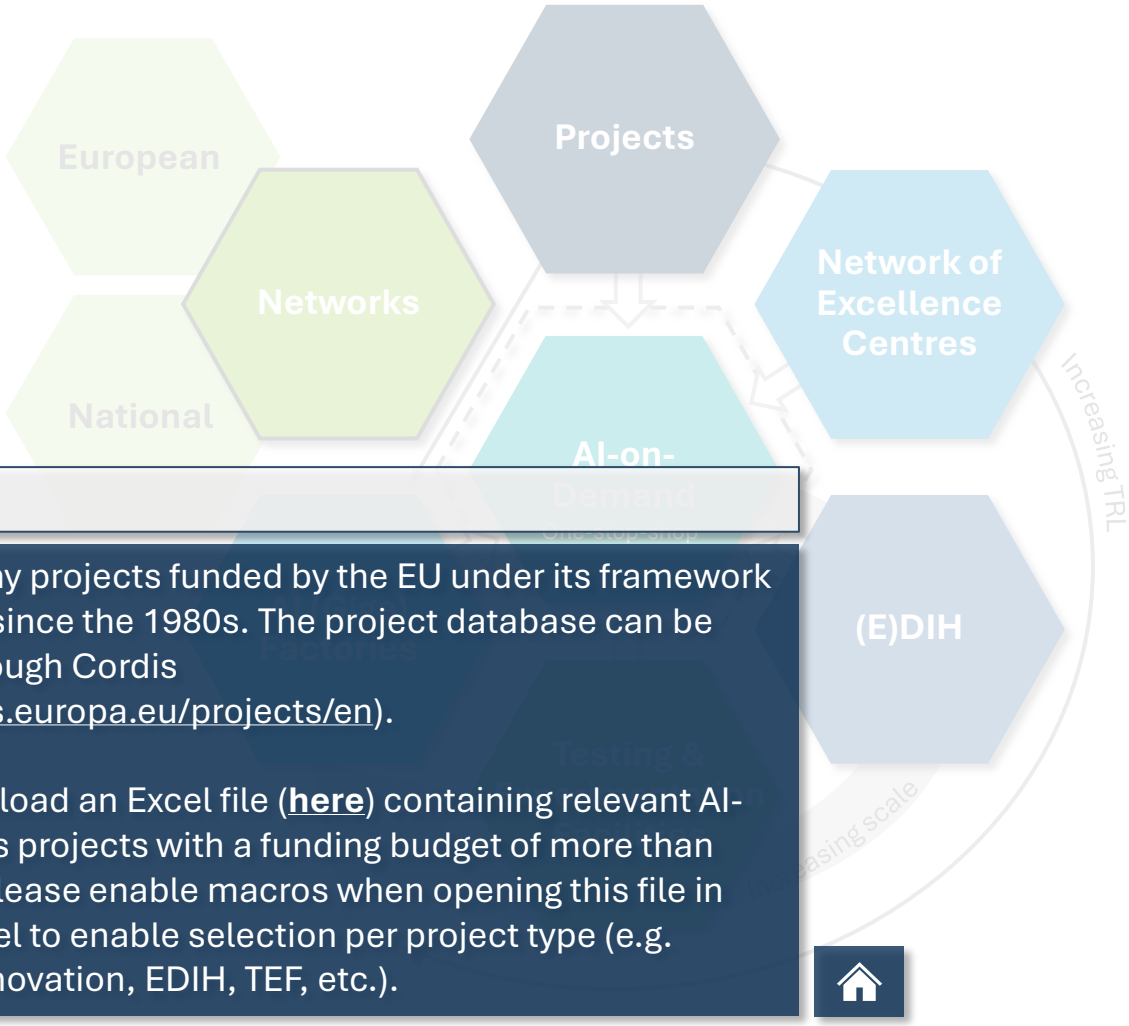
In addition, an Excel-based dataset is available for download (**here**), enabling easy filtering to highlight the most relevant and high-level AI, Data, and Robotics initiatives. This approach will be further refined through the Adra Topic Group: **Ecosystem Mapping & Information Repository.**



AI-on-Demand

The AI-on-Demand platform (AIoD) is a community-driven channel designed to empower European research and innovation in Artificial Intelligence (AI), while ensuring the European seal of quality, trustworthiness and explainability.

Visit the **one-stop-shop!**



Projects

There are many projects funded by the EU under its framework programmes since the 1980s. The project database can be accessed through Cordis (https://cordis.europa.eu/projects/en).

You can download an Excel file (**here**) containing relevant AI-Data-Robotics projects with a funding budget of more than €10 million. Please enable macros when opening this file in Microsoft Excel to enable selection per project type (e.g. research & innovation, EDIH, TEF, etc.).

Network-of-Excellence Centres

A **Network-of-Excellence Centres** is a collaboration of leading European AI-Data and Robotics (ADR) research groups. They foster cooperation among the best research teams in Europe, joining forces to tackle more efficiently major scientific and technological challenges in ADR hampering deployment of ADR-based solutions. It's here where you go to collaborate with researchers, share knowledge, and develop state-of-the-art methods that shape Europe's ADR future.

(E)DIH

European Digital Innovation Hubs (EDIHs) support SME's with their digitally transformation processes and improve the company's business and production processes, products, or services. The provide access to technical expertise, test-before-invest experimentation facilities, guidance on financing, training opportunities, and more! The new 2.0 generation EDIHs will focus much more than the original EDIHs on AI.

The EDIHs are supported by the **Digital Transformation Accelerator (DTA)** to accelerate the digital transformation of the European economy, and a few clusters were formed across specific domain challenges. Browse the **EDIH catalogue** to find information about your local EDIH's, including hub descriptions.

Additional support instruments: Testing and Experimentation Facilities (**TEFs**) provide domain specific environments for testing cutting-edge AI technologies. **The AI Factories** are specialised facilities designed to provide supercomputing capacity for the development and training of advanced AI models.

Testing & Experimentation Facilities

The large-scale reference testing and experimentation facilities (TEFs) offer a combination of physical and virtual facilities, in which technology providers can get primarily technical support to test their latest AI-based software and hardware technologies (including AI-powered robotics) in real-world environments.

There are 4 sectorial TEFs: agri-food, healthcare, manufacturing as well as smart cities and communities. Click on the logos for more information on the TEFs.

Additional support instruments: **EDIH**s support SME's with general digitally transformation processes, provide access to specific technical expertise and offer test-before-invest experimentation facilities. The **AI Factories** are specialised facilities designed to provide supercomputing capacity for the development and training of advanced AI models for specific application domains.

Not all AI factories currently have a website (for all factories visit here)

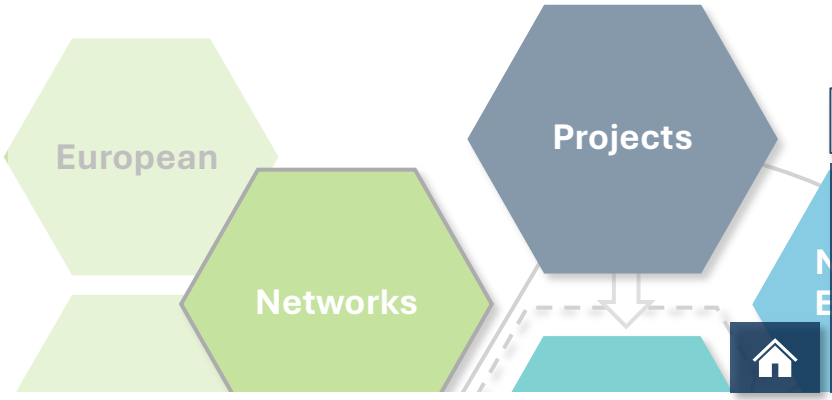
AI (Giga) Factories

AI Factories leverage the supercomputing capacity of the EuroHPC Joint Undertaking to develop trustworthy cutting-edge generative AI models. They drive research and real-world AI application development, alongside AI Regulatory Sandboxes that facilitate innovation within a specific regulatory context. An AI Factory is where you go when you need powerful compute and expert support to develop, train, or scale complex AI models that go beyond normal IT or research capabilities.

19 AI Factories and 13 Antennas (associated to AI-optimised supercomputers in existing AI Factories) are expected to be operational, prioritising access for AI startups and SMEs. In this context, at least 9 new AI optimised supercomputers will be procured and deployed across the EU.

Additional support instruments: **EDIH**s support SME's with more general digitally transformation processes, they provide access to specific technical expertise, test-before-invest experimentation facilities, guidance on financing, etc. Testing and Experimentation Facilities (**TEFs**) provide domain specific environments for testing of cutting-edge AI technologies.

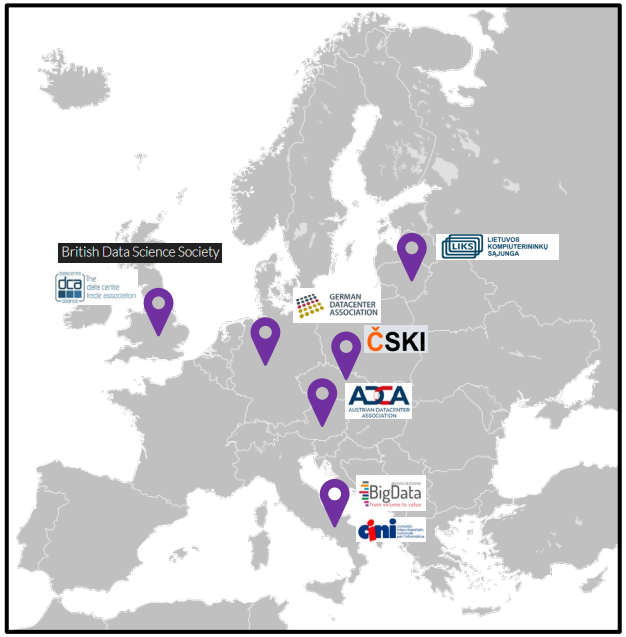
AI Gigafactories are very large, high-performance data center built to train and run the biggest AI models applicable when your AI workload needs far more compute, storage, and scaling than ordinary AI factory can provide.



National networks

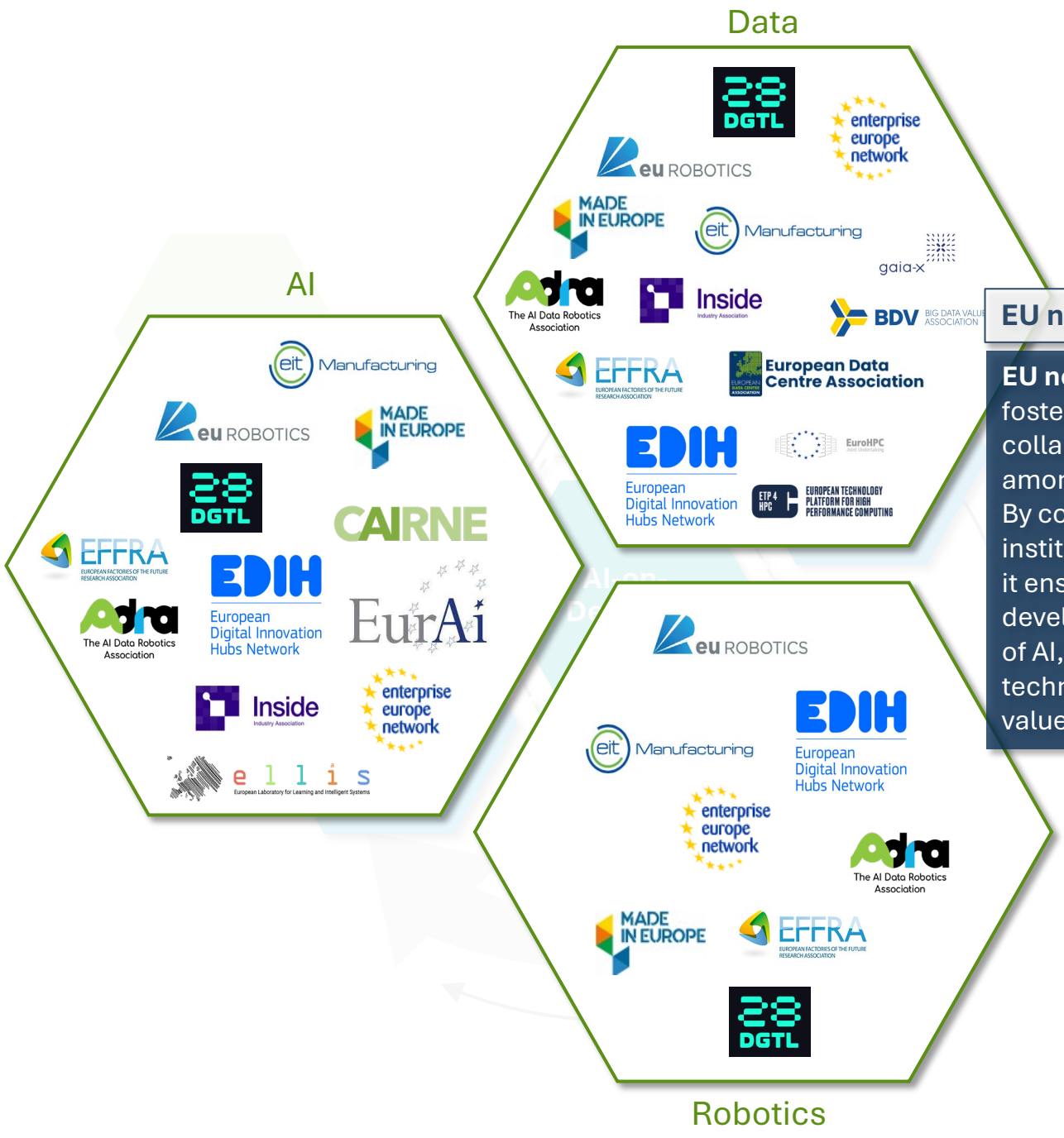
National networks support the development of AI, Data and Robotics capabilities within their country. These networks help to identify and support local innovation ecosystems and ensure inclusivity across regions.

AI



Data

Robotics



EU networks

EU networks focus on fostering cross-border collaboration and integration among European stakeholders. By connecting initiatives, institutions, and infrastructure, it ensures cohesive development and deployment of AI, Data and Robotics technologies aligned with EU values and strategic priorities.