



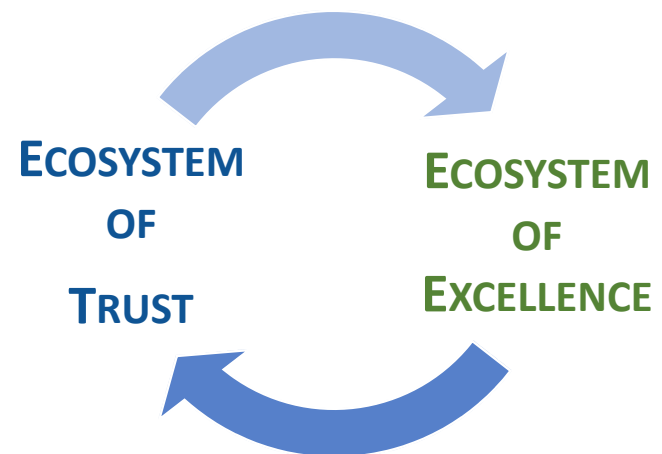
SHAPING EUROPE'S DIGITAL FUTURE

AI ecosystem of excellence

AI on Demand Platform & TEFs

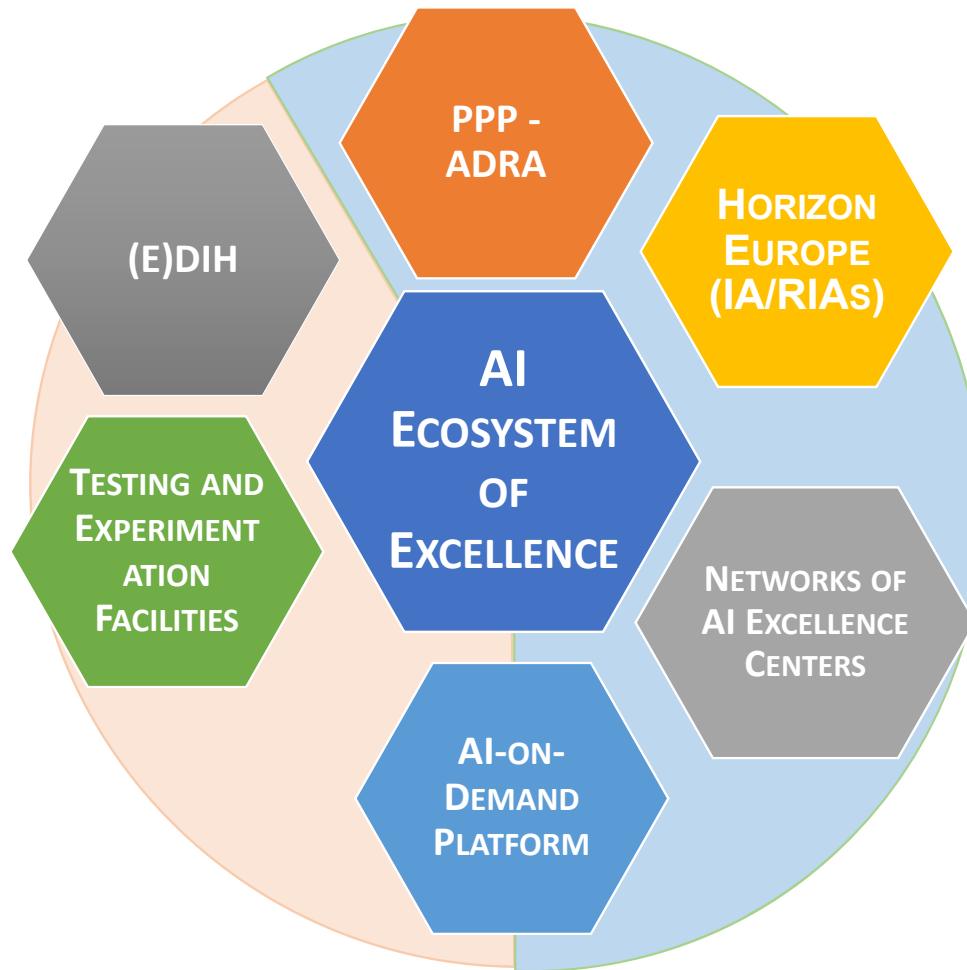
Evangelia Markidou
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European Commission

AI
ARTIFICIAL
INTELLIGENCE
EXCELLENCE
& TRUST



Ecosystem of Excellence in AI: From the Lab To the Market

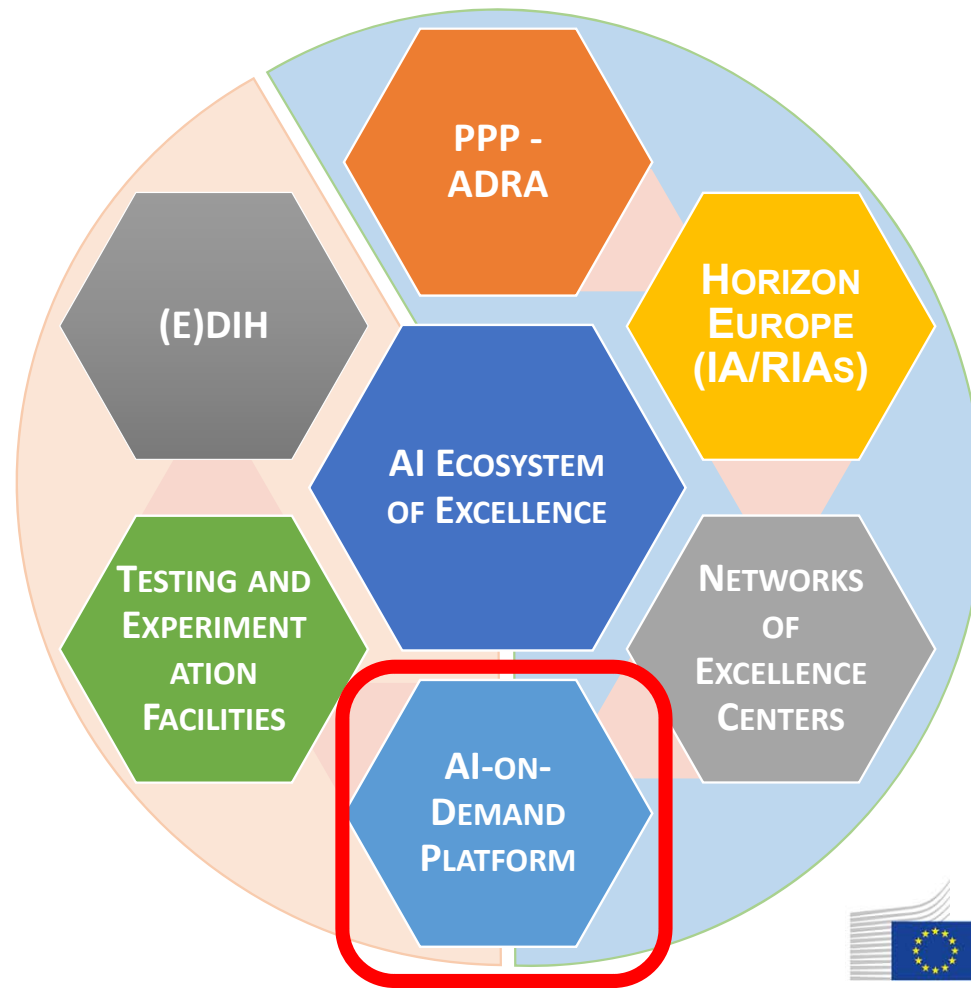
Digital
Europe



Horizon
Europe

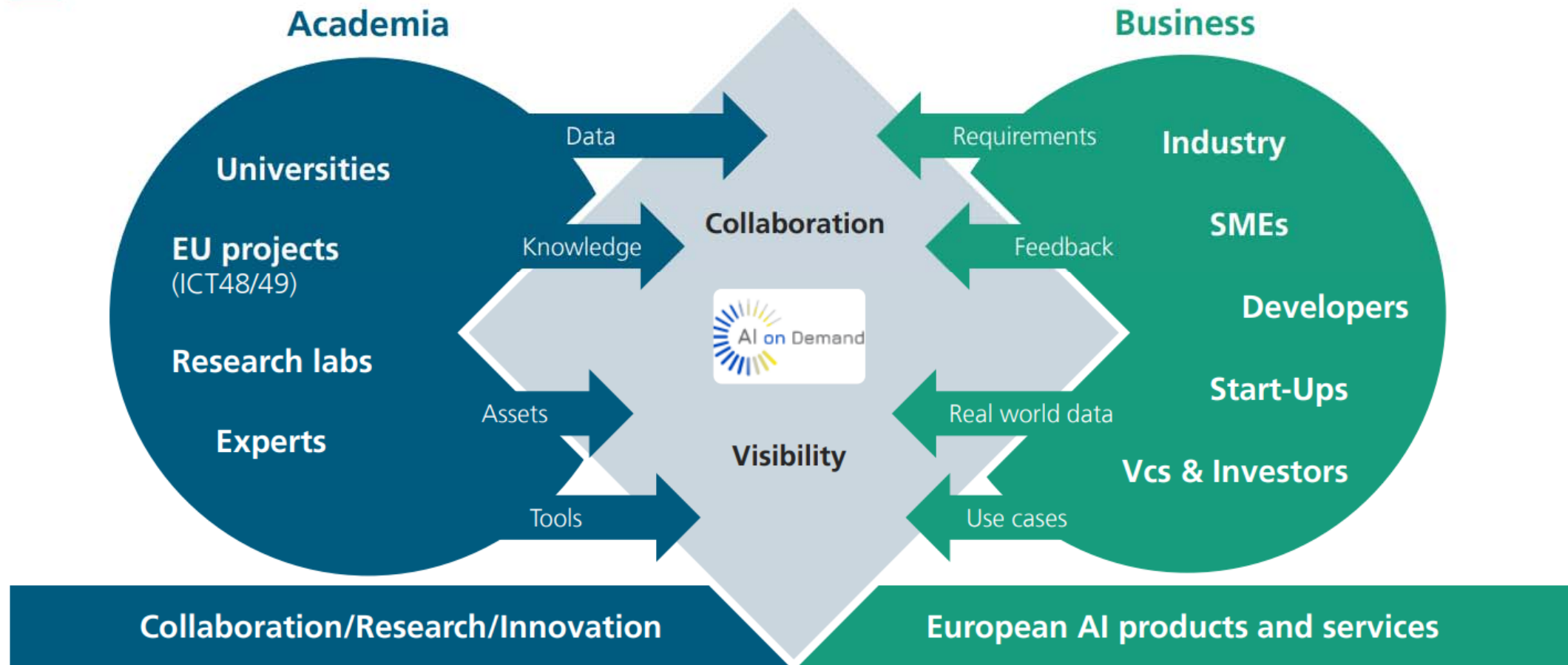
Ecosystem of Excellence in AI: From the Lab to the Market

OPPORTUNITIES FOR THE COMMUNITY

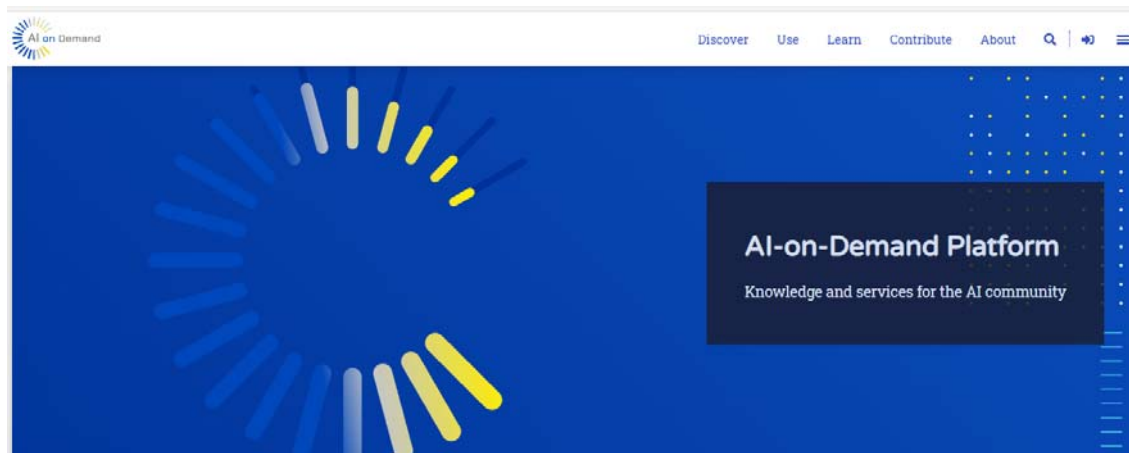


The European AI On-Demand Platform

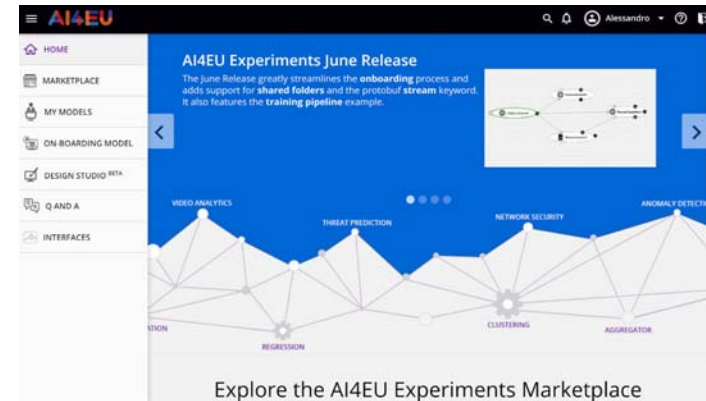
AloDP as Bridge & Catalyst between the European AI research and industry



AI on Demand Platform - Main features



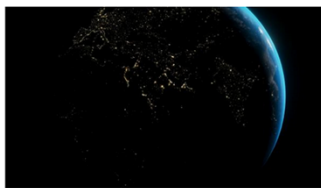
European AI assets portal



AI pipelines testing/experiments platform



Matchmaking



Earth Observation



Energy Service



Planning Service



Cyber Physical systems

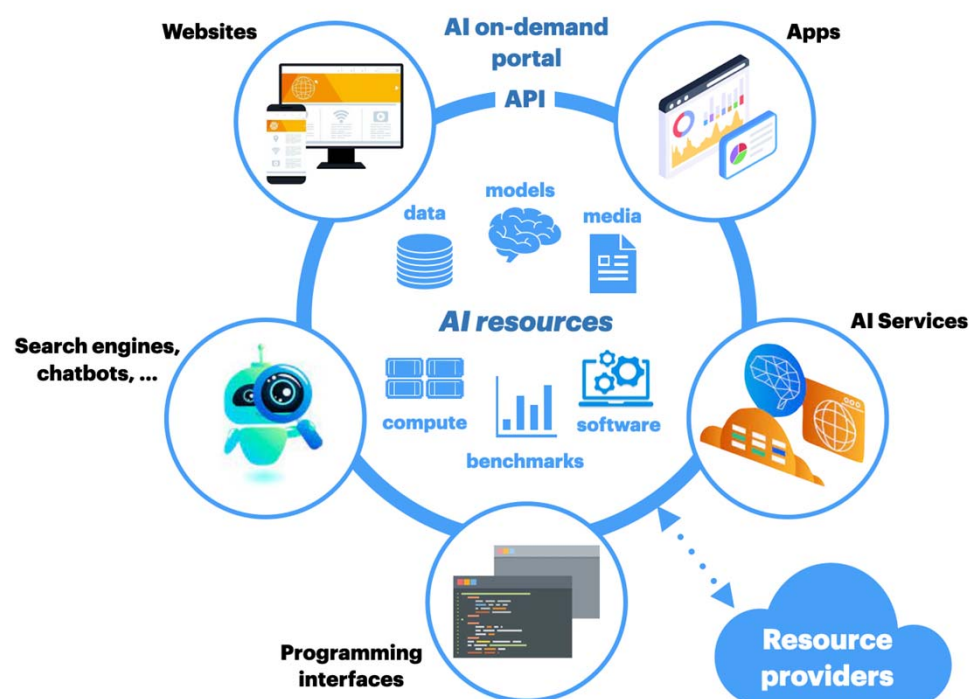


Digital Innovation Hubs

Horizontal and vertical services

<https://www.ai4europe.eu>

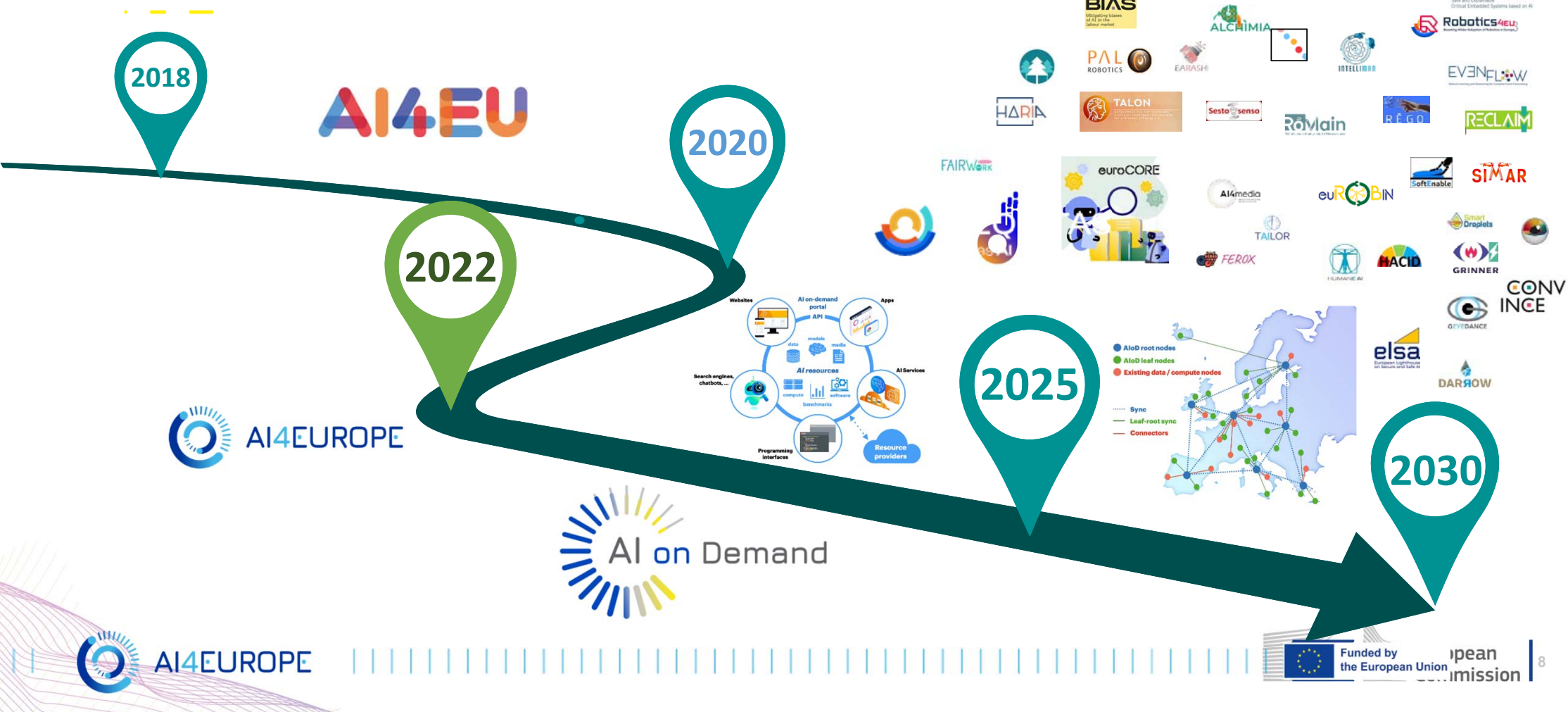
The concept of the AloD platform @AI4Europe



“The AI on demand is an AI POWERED platform that provides an environment to construct platforms with a common API that enables sharing existing research knowledge, accelerates the access to existing research, and provides an environment to construct and use cutting edge new services.”

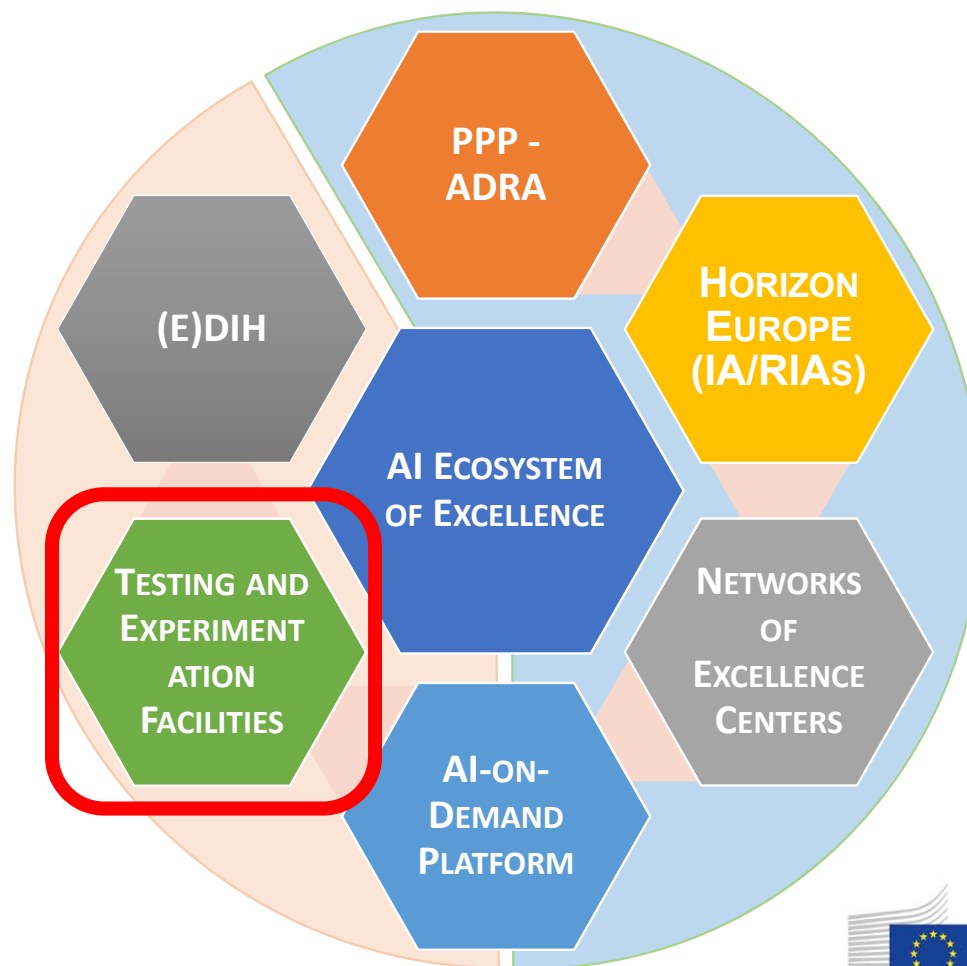
- The **platform will showcase the state-of-the-art science** being developed by leading AI research centres and laboratories, tackling topics including human centered, explainable AI, etc.
- The **trustworthiness of resources and the ethical design of AI tools** will be embedded within the Platform’s publication process, providing an **ecosystem of trust** within which public bodies and companies can uptake the assets produced by researchers.

AI4Europe - Collect services and tools from the community



Ecosystem of Excellence in AI: From the Lab To the Market

OPPORTUNITIES
FOR
THE COMMUNITY



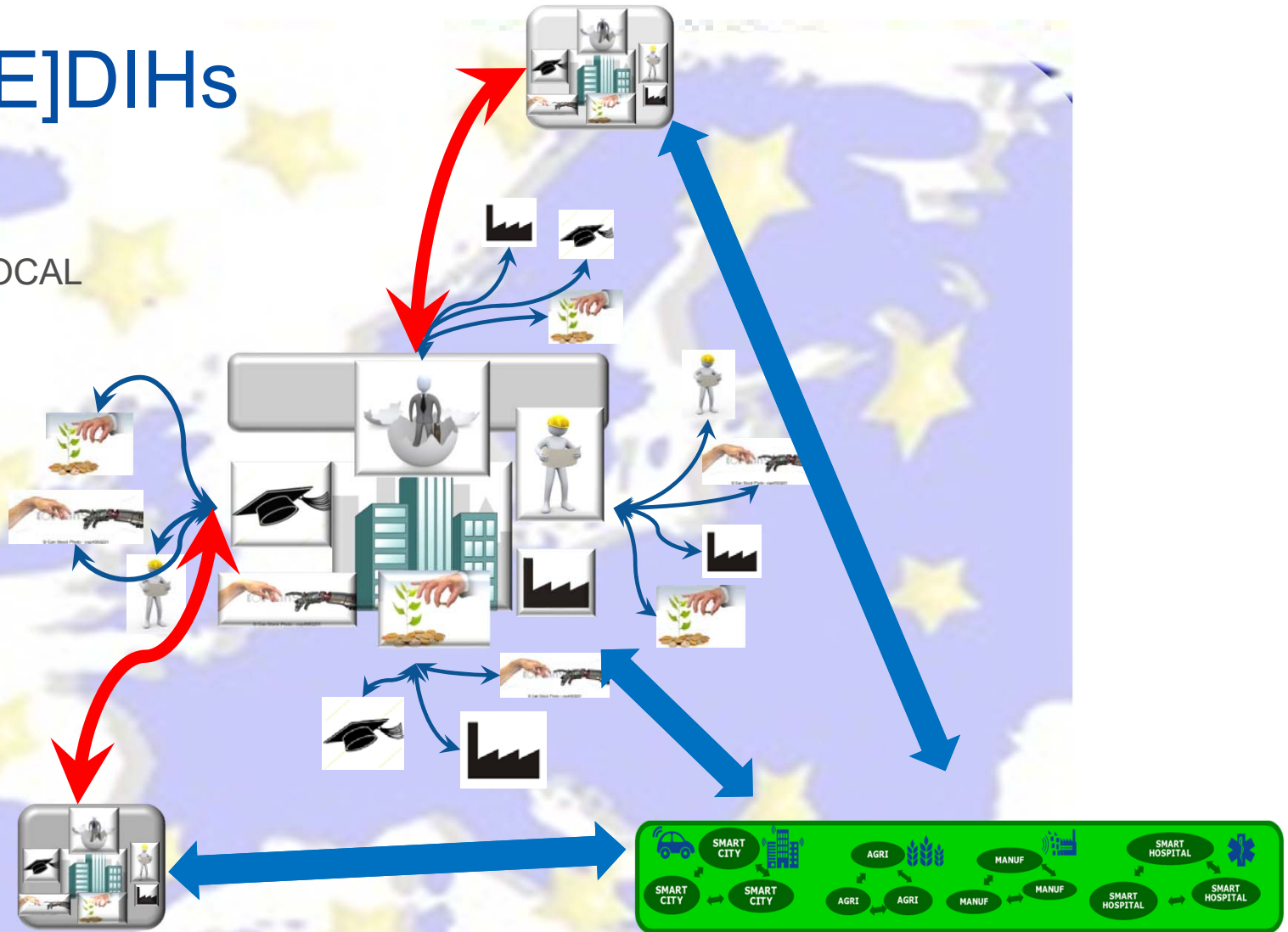
Ecosystem of Excellence in AI: Testing and Experimentation Facilities (TEFs)

- **220M€** co-investment with MS
- Support TEFs as **world-class reference technology infrastructures** at EU level **addressing gaps in the value chain**, from the lab, to the market
- Support the **deployment and uptake of trustworthy AI** and support the **implementation** of the AI Act
- Support for **European technology providers** of AI solutions to increase EU IP assets in AI



TEFs vs [E]DIHs

CENTRAL vs REGIONAL/LOCAL
In-depth test at scale
Users: Developers vs Users



**REFERENCE TESTING AND EXPERIMENTATION FACILITIES
CENTRAL SHARED FACILITY**

Collaboration EDIH, TEF, AloD Platform

- Make available tools, solutions, services, infrastructure available to: researchers, innovators, start-ups, SMEs
- Contribute from expertise and services offered by AI on Demand Platform, Network of Excellence Centres, related R&I projects, sandboxes, TEFs, etc.
- use services and make the services accessible to the other EDIHs and SMEs.
- Train the trainers programme to make best use of the AloD offers and the AI pipeline/experiments platform
- EDIHs to build their services on an AloD 'node' or even build their own services and install regional instances of the AloD to offer services to regional/local SMEs (e.g. <https://www.ai-lab.nrw/>)

Why collaborate?

- ***Diverse perspectives*** can lead to new ideas and approaches
- ***Access to new resources*** such as tools, technology, and expertise
- ***Faster innovation*** solve problems faster by bringing together different skillsets knowledge and lessons learnt
- ***Expanding your network*** opens new opportunities for partnerships, collaborations, and future projects.
- ***Improved decision-making*** by bringing in diverse perspectives and challenging *groupthink*, which can help avoid blind spots (and biases)

Useful Links

- AI4Europe Drupal Portal: <https://www.ai4europe.eu/>
- AloD Experiments + AI Playground: <https://aiexp.ai4europe.eu/#/home>
- Source Code AI Experiments + Tutorials:
<https://gitlab.eclipse.org/eclipse/graphene>
- Youtube Playlist:
<https://www.youtube.com/playlist?list=PLL80pOdPsmF6s6P6i2vZNoJ2G0cccwTPa>
- TEF:
<https://digital-strategy.ec.europa.eu/en/activities/testing-and-experimentation-facilities>



Thank you