RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

be EU

Flanders
State of the Art

Wallonie
service public
SPW

innoviris
.brussels
we fund your future

European
Commission

GLOBAL EUROPEAN AI LEADERSHIP THROUGH RESEARCH, DEPLOYMENT AND REGULATION: THREE SIDES OF THE SAME COIN?

CÉCILE HUET, PhD
HEAD OF UNIT
ROBOTICS & ARTIFICIAL INTELLIGENCE INNOVATION AND EXCELLENCE
EUROPEAN COMMISSION – CNECT A1
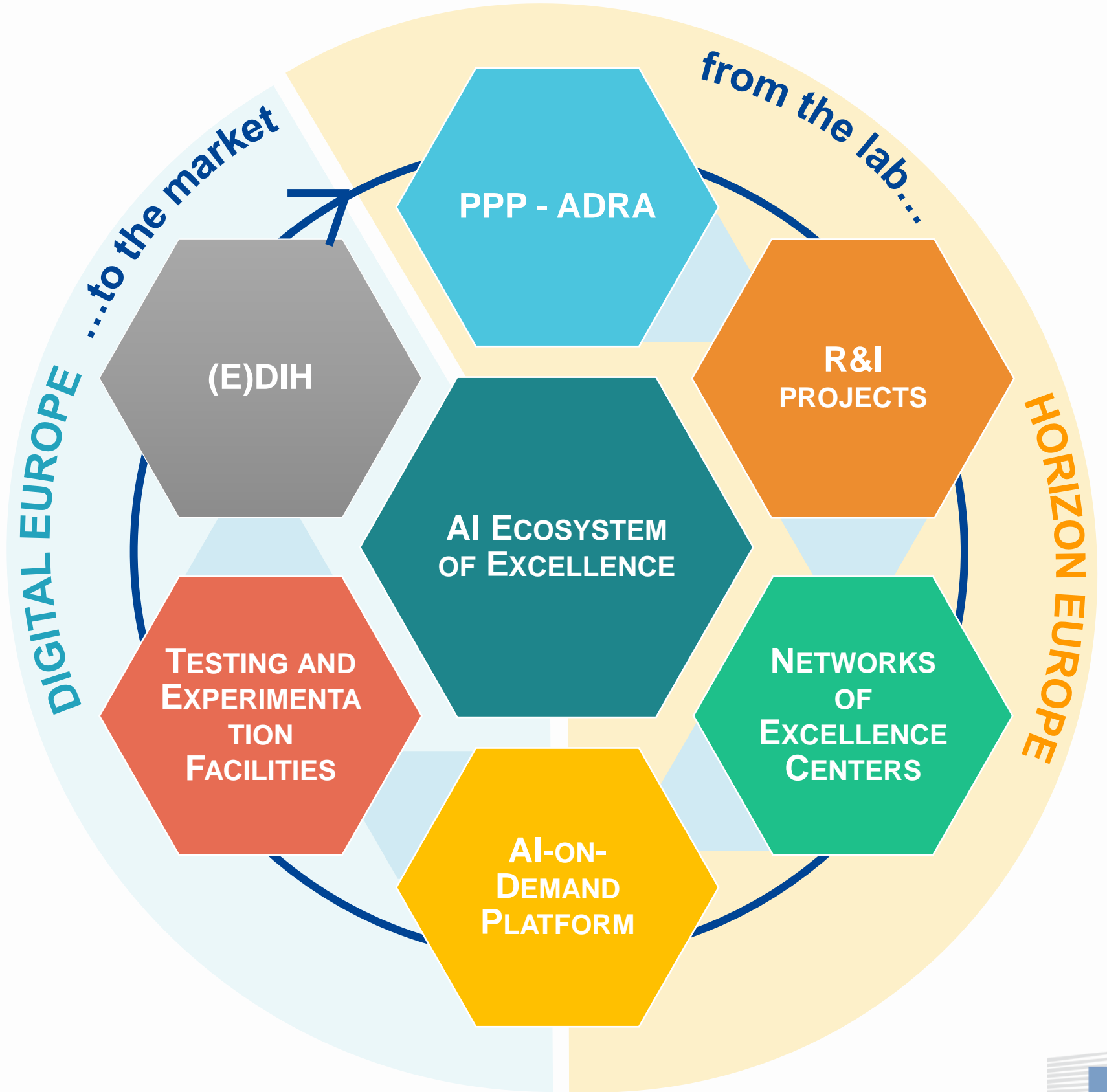CECILE.HUET@EC.EUROPA.EU

RESEARCH TO REALITY

COORDINATED PLAN ON AI

*Push S&T progress
For AI / Robotics for Good
and for ALL
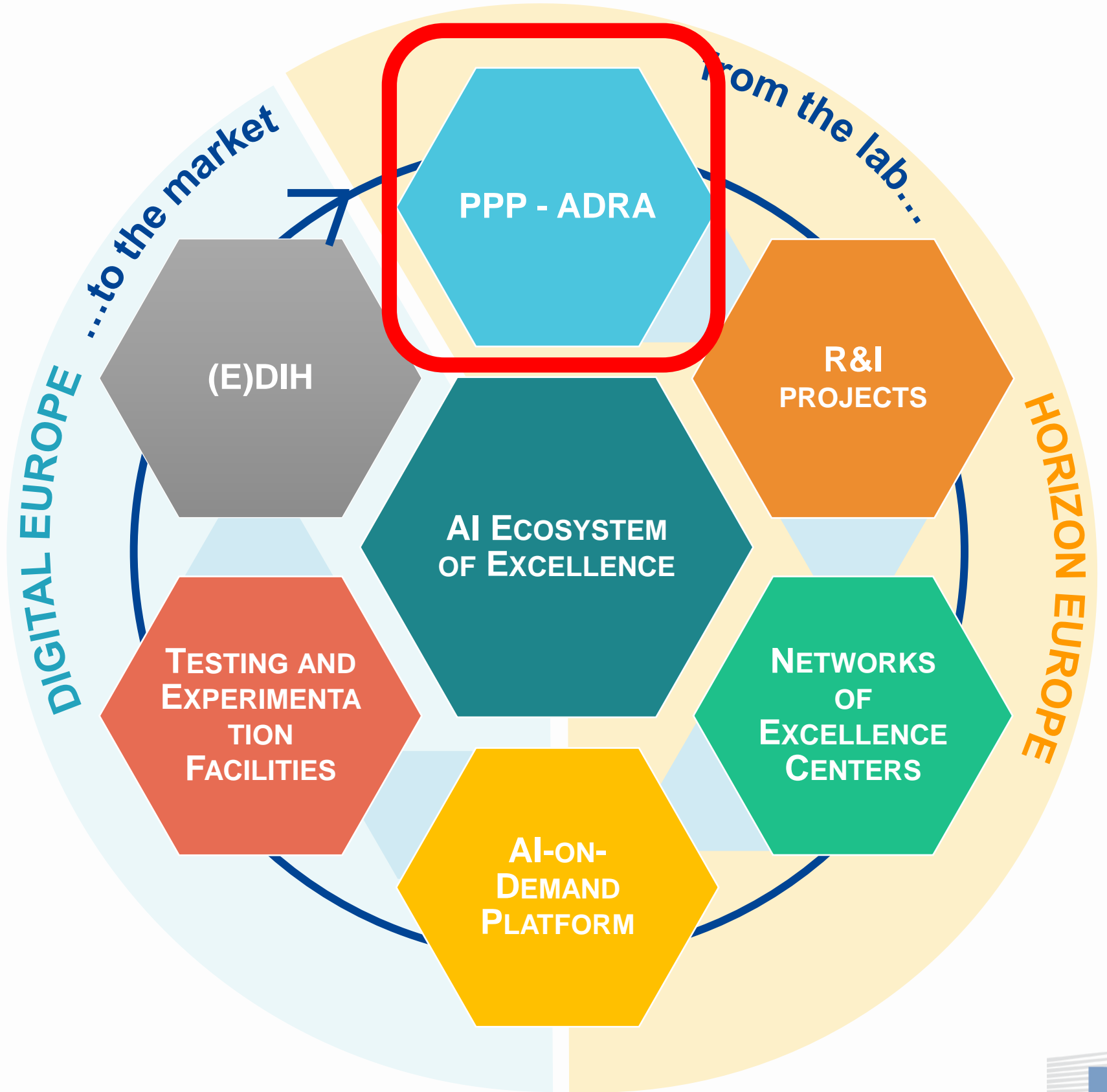"Made in Europe": Human
centred & trustworthy*

RESEARCH

ECOSYSTEM OF TRUST (AIA)

ECOSYSTEM OF EXCELLENCE

DEPLOYMENT

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

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

Public-Private Partnership – ADRA

European Commission
Public Side

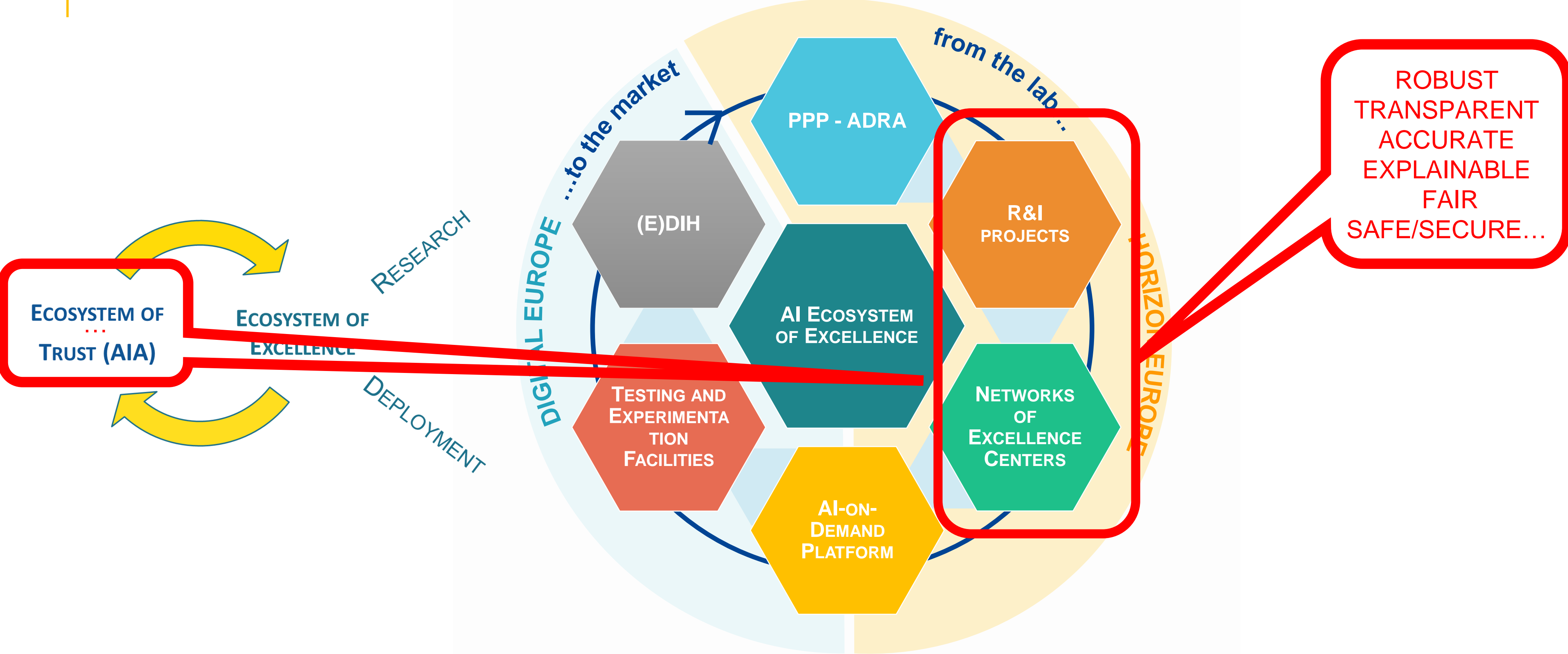**Public**
Private
Partnership
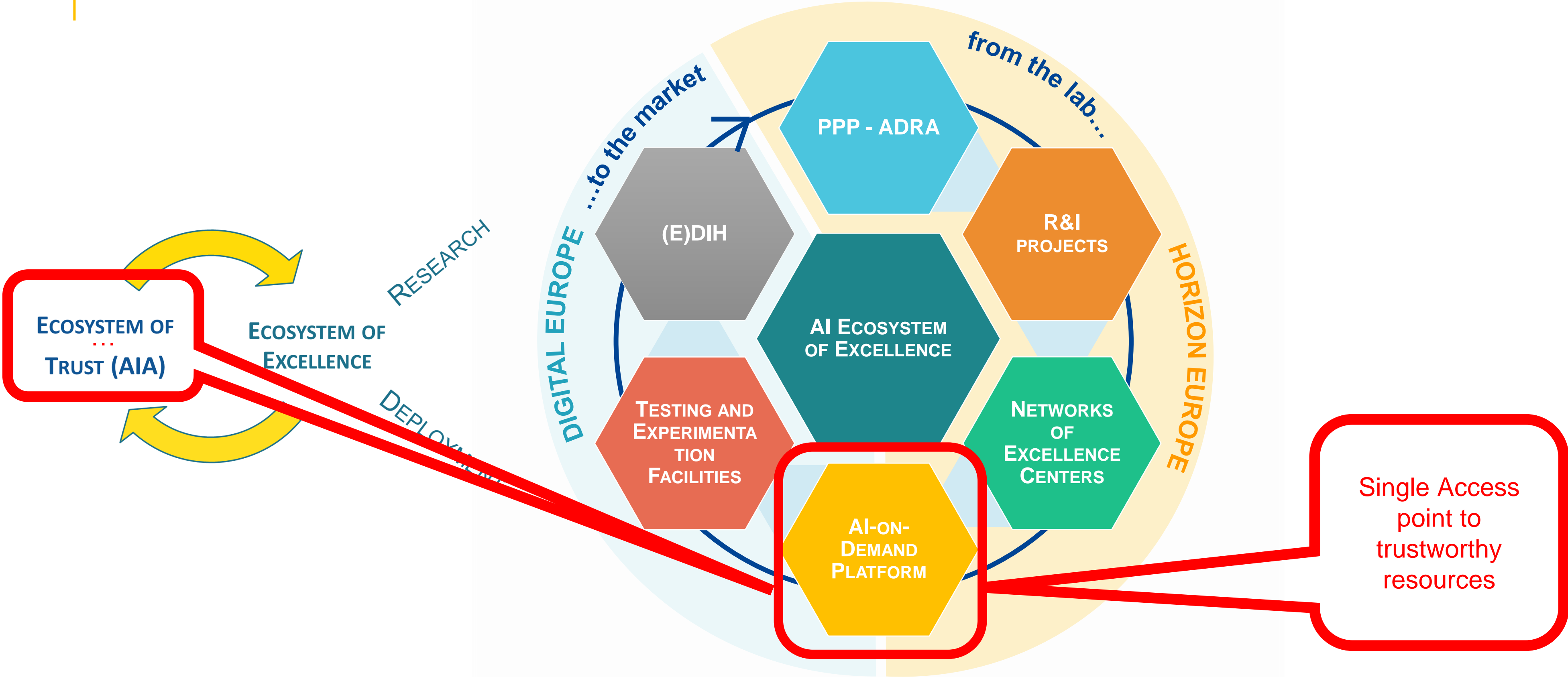
ADR Association
Private Side

Agreement to design programs and **raise 2.6 billion euros** for European companies:

- Up to **EUR 1.3 billion euros of <u>public investment</u>** by the European Commission (through Horizon Europe)

- Up to **EUR 1.3 billion of <u>private investment</u>** through Adra for the period 2021 – 2030

AI, Data and Robotics Association (Adra) (https://adr-association.eu/)

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

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ECOSYSTEM OF TRUST (AIA)

ECOSYSTEM OF EXCELLENCE

RESEARCH

DEPLOYMENT

DIGITAL EUROPE

...to the market

from the lab...

HORIZON EUROPE

PPP - ADRA

(E)DIH

R&I PROJECTS

AI ECOSYSTEM OF EXCELLENCE

TESTING AND EXPERIMENTATION FACILITIES

NETWORKS OF EXCELLENCE CENTERS

AI-ON-DEMAND PLATFORM

Single Access point to trustworthy resources

European Commission

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

ECOSYSTEM OF ... TRUST (AIA)

ECOSYSTEM OF EXCELLENCE

RESEARCH

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AI-ON-DEMAND PLATFORM

Test; Robustness, safety, accuracy…
&
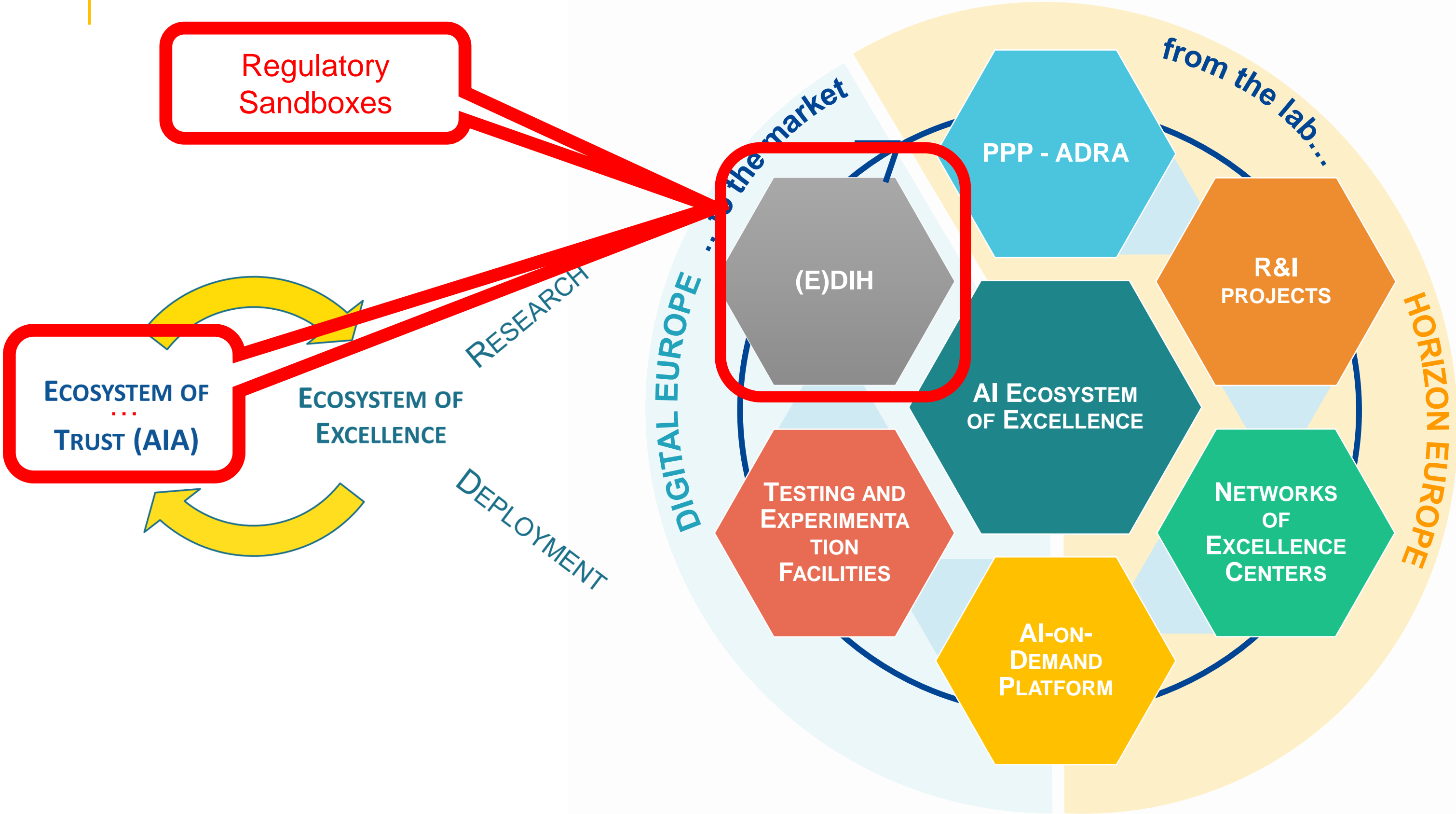Regulatory Sandboxes

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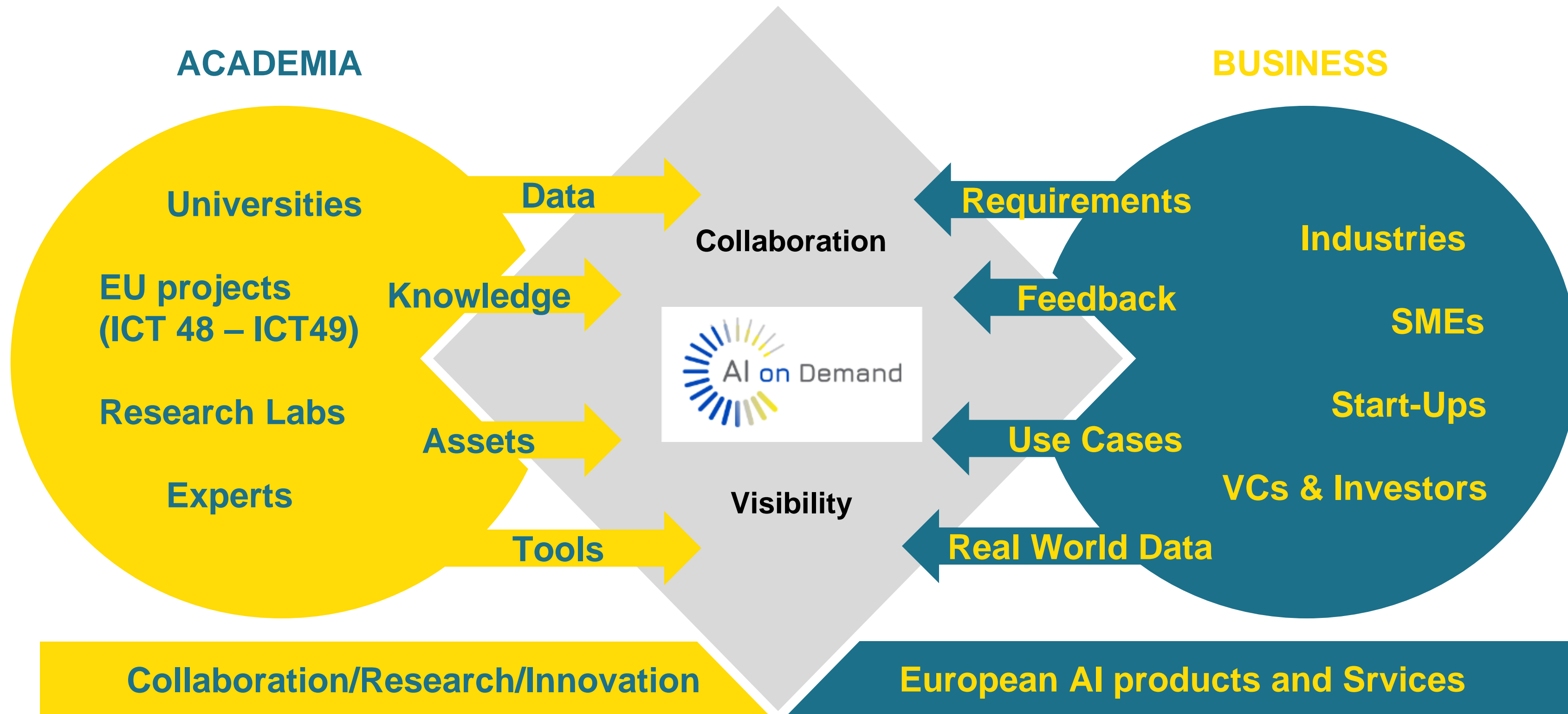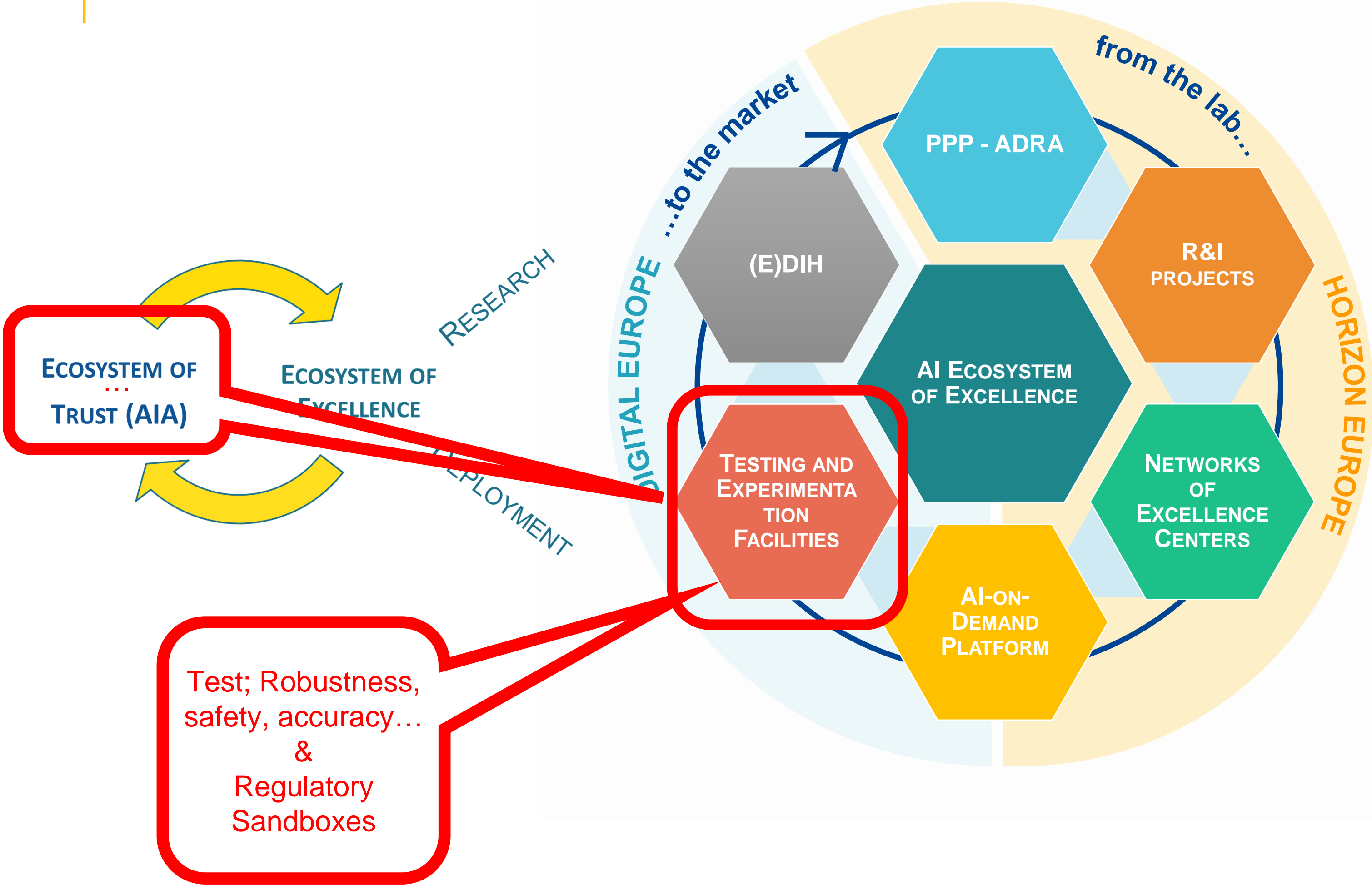
Ecosystem of Excellence in AI: Testing and Experimentation Facilities (TEFs)

- **220M€** co-invesment with MS

- TEFs: **world-class reference technology infrastructures** at EU test in real environment

- Support **the deployment and uptake of** **trustworthy AI** and support the **implementation** of the AIA

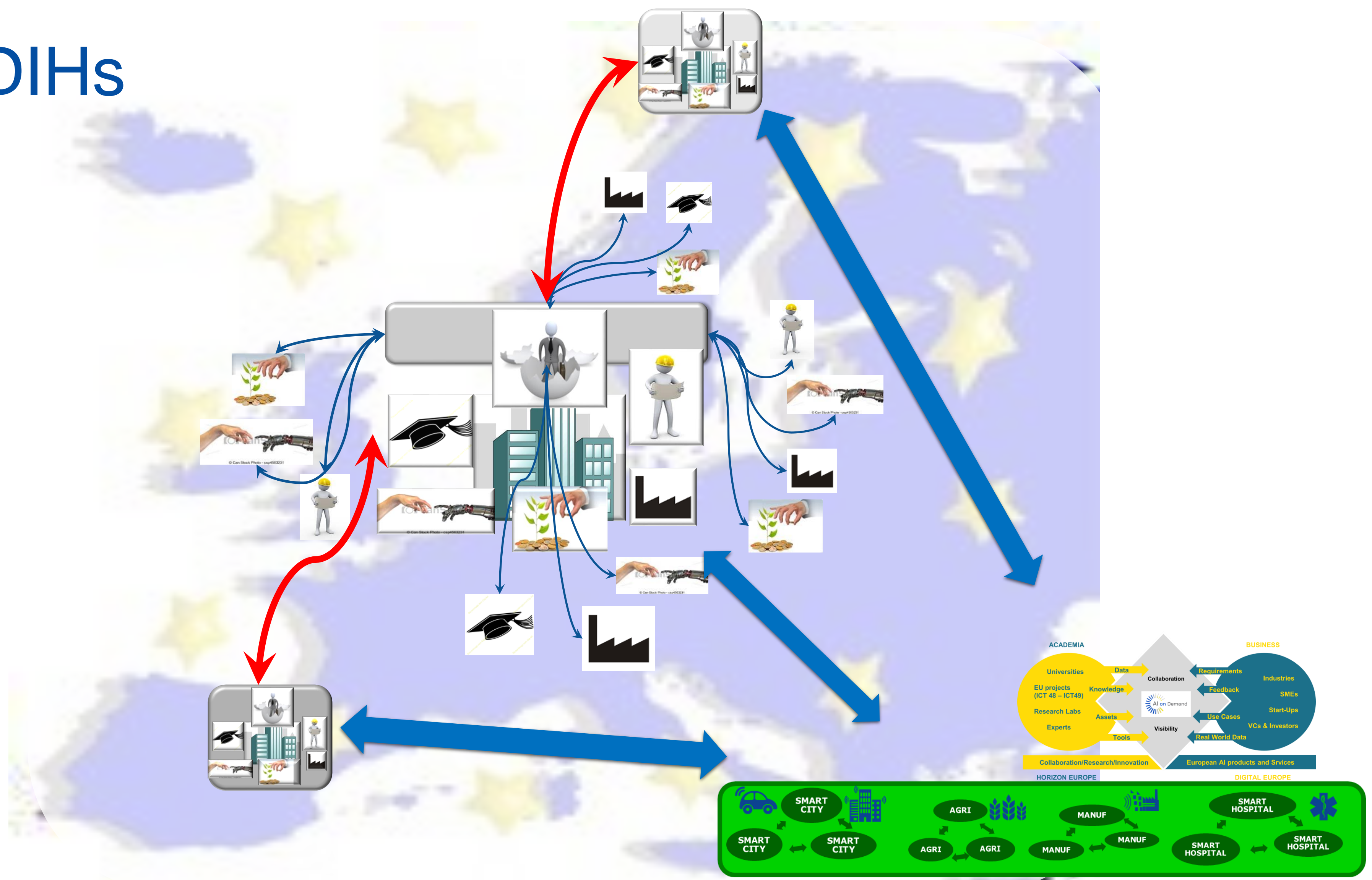- Support for **European AI providers** ➔ increase EU IP **assets in AI**

Sectorial AI Testing and Experimentation Facilities under the Digital Europe Programme
https://digital-strategy.ec.europa.eu/en/activities/testing-and-experimentation-facilities

European Commission

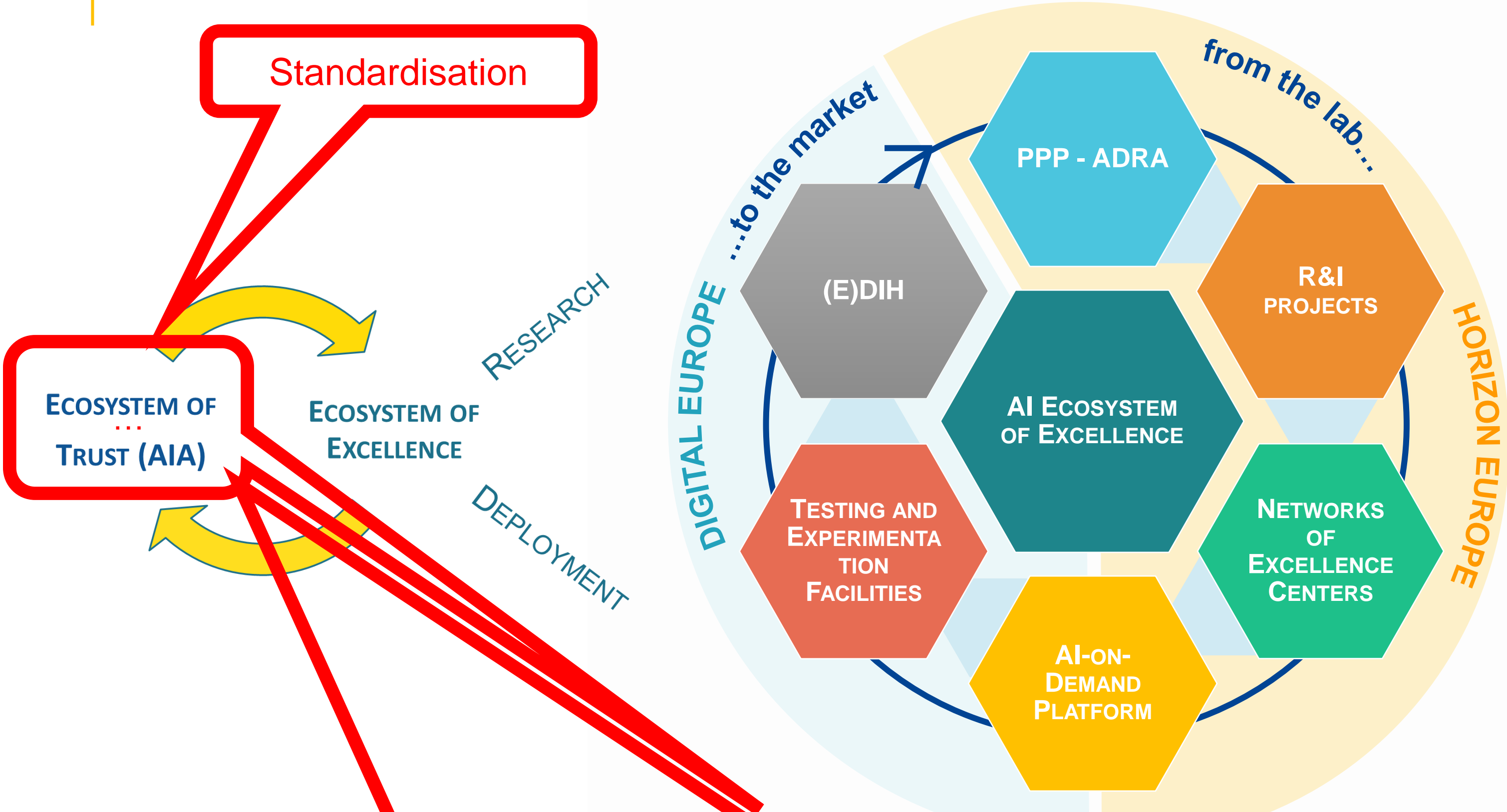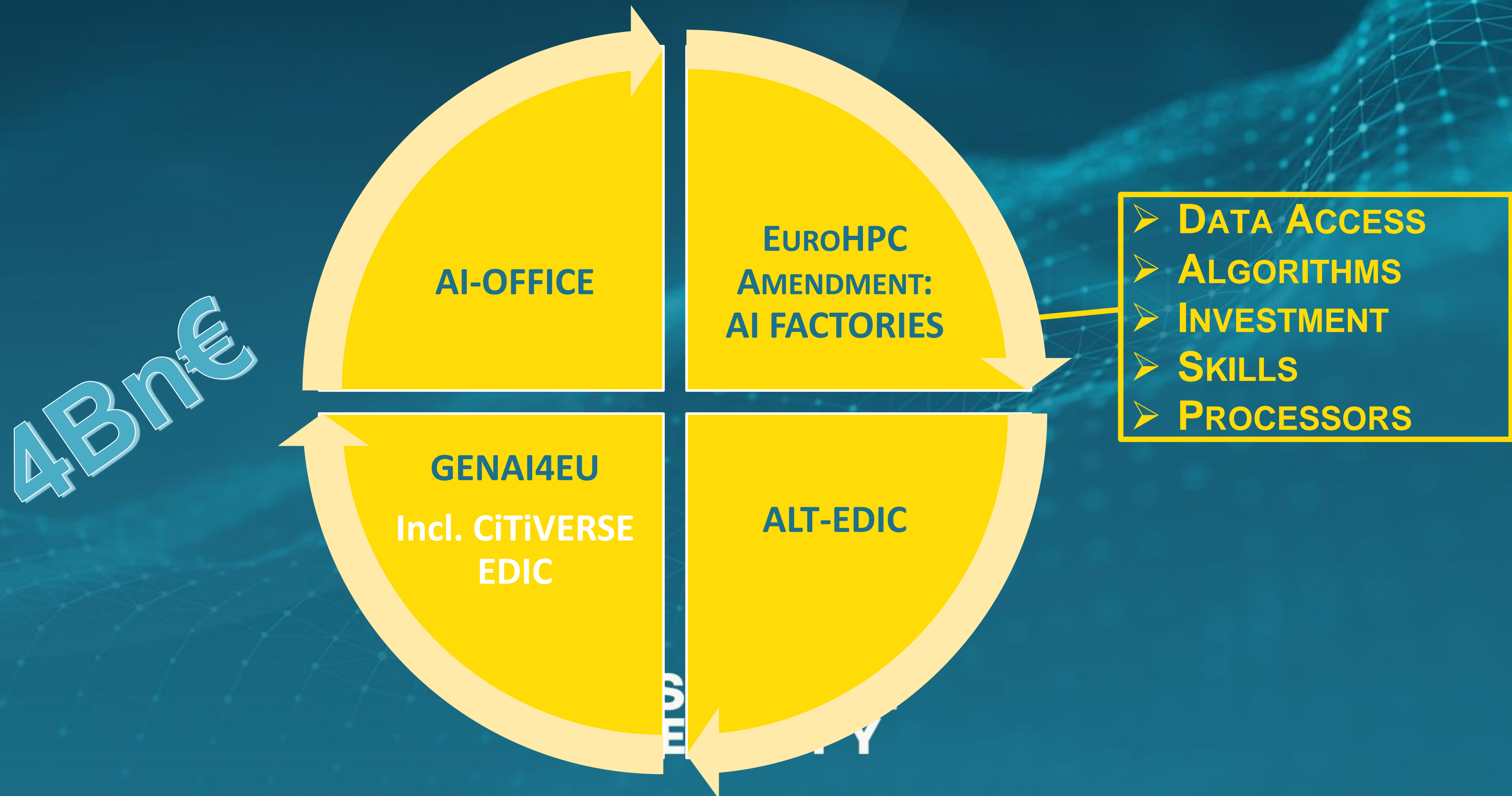# Ecosystem of Excellence in AI: from the Lab to the Market

[E]DIHs

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

Standardisation

Ecosystem of Trust (AIA)

Ecosystem of Excellence

Research

Deployment

...to the market

DIGITAL EUROPE

from the lab...

HORIZON EUROPE

PPP - ADRA

(E)DIH

R&I PROJECTS

AI ECOSYSTEM OF EXCELLENCE

TESTING AND EXPERIMENTATION FACILITIES

NETWORKS OF EXCELLENCE CENTERS

AI-ON-DEMAND PLATFORM

EU AI Innovation Accelerator preparatory action
AI regulatory sandboxes: EU-level
Pilot action for the establishment of future Union Testing Facilities in AI

European Commission

The AI Package – Generative AI

AI Start-up and Innovation Communication

4Bn€

- AI-OFFICE
- EuroHPC Amendment: AI FACTORIES
- GENAI4EU Incl. CiTiVERSE EDIC
- ALT-EDIC

➤ DATA ACCESS
➤ ALGORITHMS
➤ INVESTMENT
➤ SKILLS
➤ PROCESSORS

Putting EU in the map of Generative AI
Innovation: From the lab to the market

Opening 16/04/2023
Deadline 18/09/2023 (adoption tbc)

HORIZON EUROPE

- **Advancing Large AI Models:** Integration of New Data Modalities & Expansion of Capabilities €43 million
- **Explainable and Robust AI** €12 million

Opening 29/02/2024
Deadline 29/05/2024

DIGITAL EUROPE

- **Alliance for Language Technologies** €24 million
- Making available a **high performing open-source European foundation model** for fine-tuning €25 million

Cut-off dates: 13/02/2024 and 4/09/2024

EIC ACCELERATOR

- **Human Centric Generative AI made in Europe** €50 million
- Development of foundation 'frontier' models

Large AI Grand Challenge

Objective:

Support **innovative generative AI models** aligned with European values and **Europe's sovereignty** in the field

Reward:

·**up to 2 million GPU hours** per winner

1.000.000 € total prize

Participants:

European start-ups with experience in developing large AI models that require access to HPC

Up to 4 winners

Deadline: 13 February

[LARGE AI GRAND CHALLENGE – AI-BOOST (www.aiboost-project.eu)](www.aiboost-project.eu)

Thank you