

# DISCOURS DE CLOTURE

## La construction de l'Europe Numérique

Animée par Thomas Skordas

15h45 – 16h00



**Thomas Skordas**  
Directeur Général Adjoint  
Commission Européenne



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# Building the Digital Europe

**Thomas Skordas**

Deputy Director General  
DG CONNECT, European Commission

# Digital in Europe (2021-27): ~20 B€

## Digital Decade Compass



**Government**  
 Key Public Services: 100% online  
 e-Health: 100% availability medical records  
 Digital Identity: 80% citizens using digital ID

**Skills**  
 ICT Specialists: 20 million + Gender convergence  
 Basic Digital Skills: min 80% of population

**Connectivity: Infrastructures**  
 Gigabit for everyone. 5G in all populated areas

**Cutting edge Semiconductors:** double EU share in global production

**Data - Edge & Cloud:** 10,000 climate neutral highly secure edge nodes

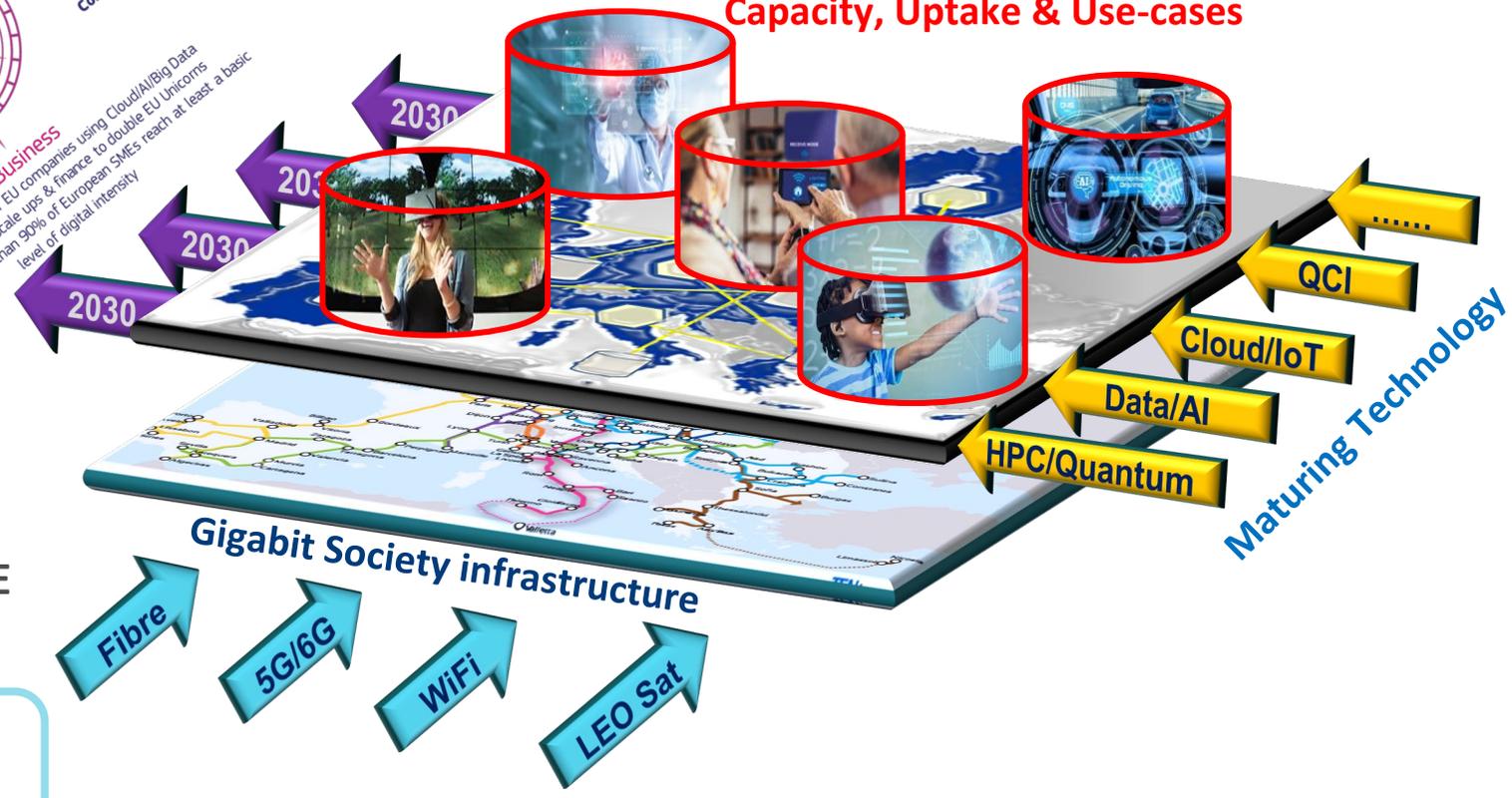
**Computing:** first computer with quantum acceleration

**Business**  
 Tech up-take: 75% of EU companies using Cloud/AI/Big Data  
 Innovators: grow scale ups & finance to double EU Unicorns  
 Late adopters: more than 90% of European SMEs reach at least a basic level of digital intensity

## DIGITAL EUROPE (7.6 B€)

- EU-Wide deployment
- Strategic capacities
- Advanced digital skills
- Testing Facility

## Capacity, Uptake & Use-cases



## CONNECTING EUROPE FACILITY (2 B€)

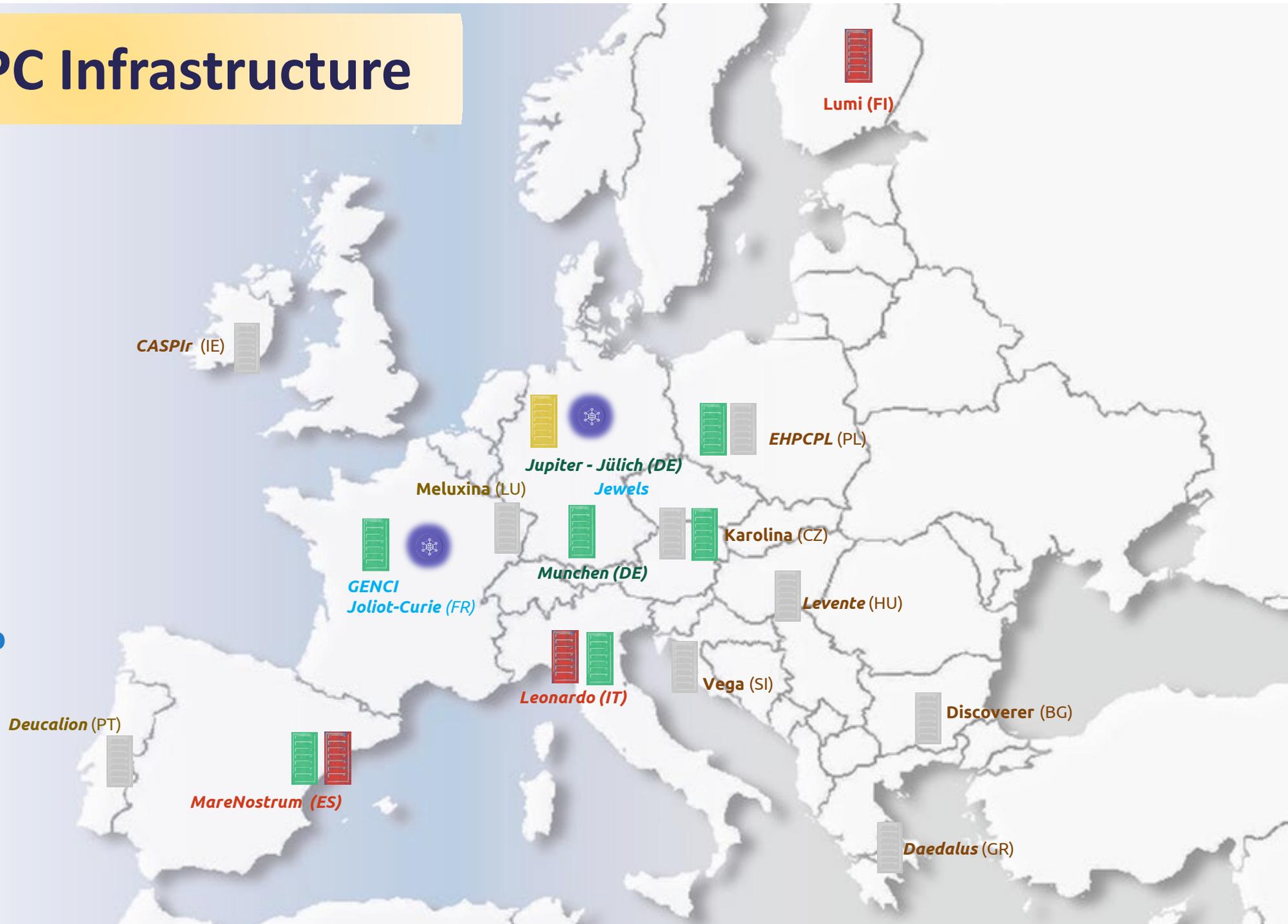
- Strategic Backbones
- Fixed + Wireless Connectivity

## HORIZON EUROPE

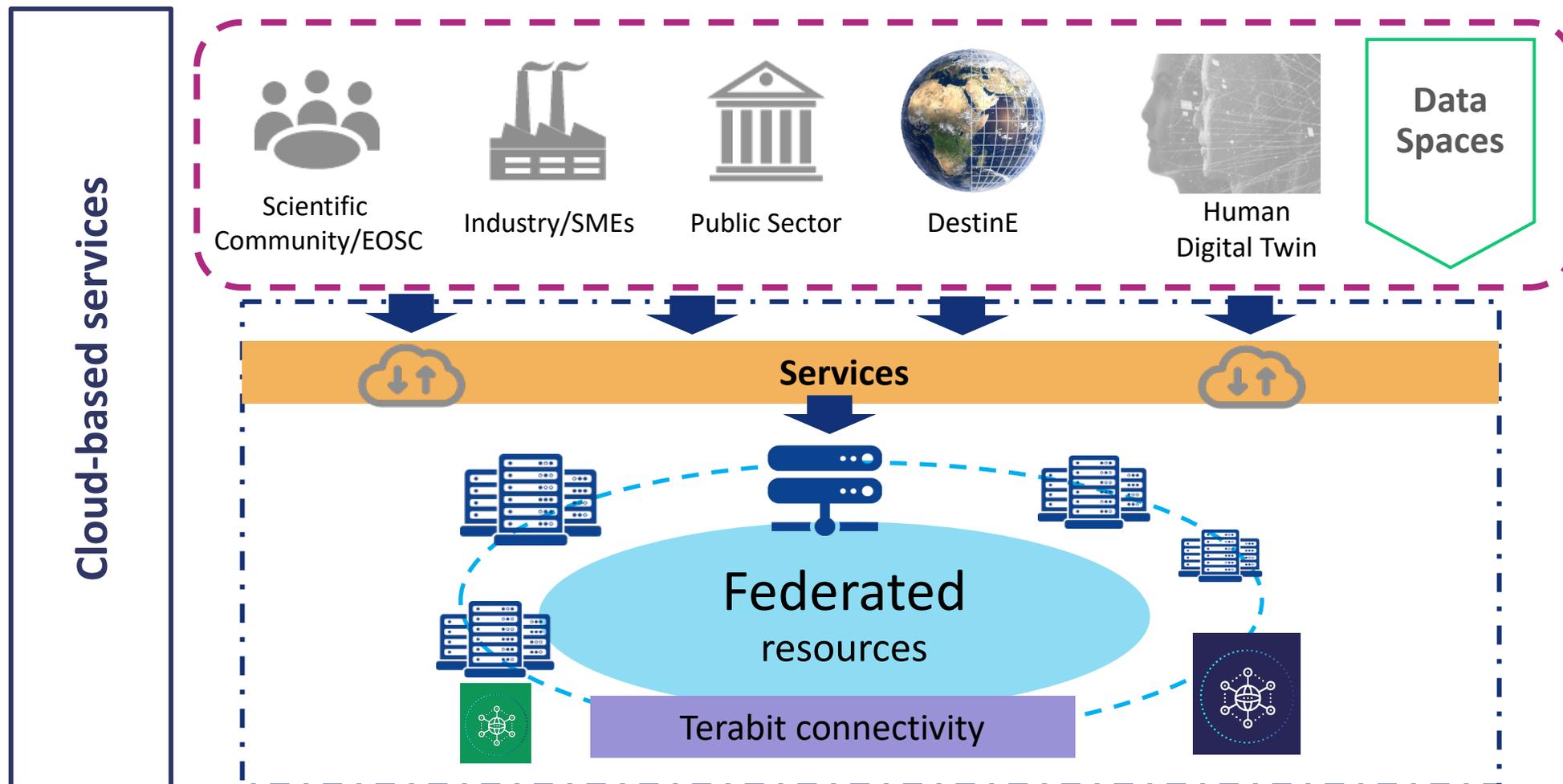
- Preparing/maturing technology & progress (AI/Quantum...)
- By-design regulatory compliance (e.g. privacy friendly, unbiased AI)
- Leading & best in-class (e.g. strategic open autonomy, quantum)
- Prosperity, people & planet lens (green tech, societal challenges, industrial lead...)

# The EuroHPC Infrastructure

-  Exascale
-  Pre-exascale
-  Petascale
-  Quantum Comp
-  Qsimulator



# EuroHPC: Hyper-connectivity & Federation



# The EU's Chips Act: the 3 Pillars of Activity

EU + MS Investments: ~43 B€

European Chips Act

European Semiconductor Board (Governance)

Pillar 1

## Chips for Europe Initiative

- Initiative on infrastructure building in synergy with the EU's research programmes
- Support to start-ups and SMEs

Pillar 2

## Security of Supply

- First-of-a-kind semiconductor production facilities

Pillar 3

## Monitoring and Crisis Response

- Monitoring and alerting
- Crisis coordination mechanism with MS
- Strong Commission powers in times of crisis

# EU Investments in Quantum

~9 B€ Public funding in 2021-2027 (3 B€ EU + 6 B€ MS)

**Equity Investments & Support to Start-ups**

300 M€

**IRIS2 & EuroQCI**

700 M€

**Space Gravimetry**

150 M€

**Quantum Flagship**

1 000 M€

COMMUNICA-TIONS

COMPUTING

SIMULATIONS

SENSING & METROLOGY

BASIC SCIENCE

CROSS-CUTTING ACTIVITIES

ENGINEERING /CONTROL

EDUCATION/TRAINING

SOFTWARE/THEORY

**Chips Act**

**Quantum Chips**

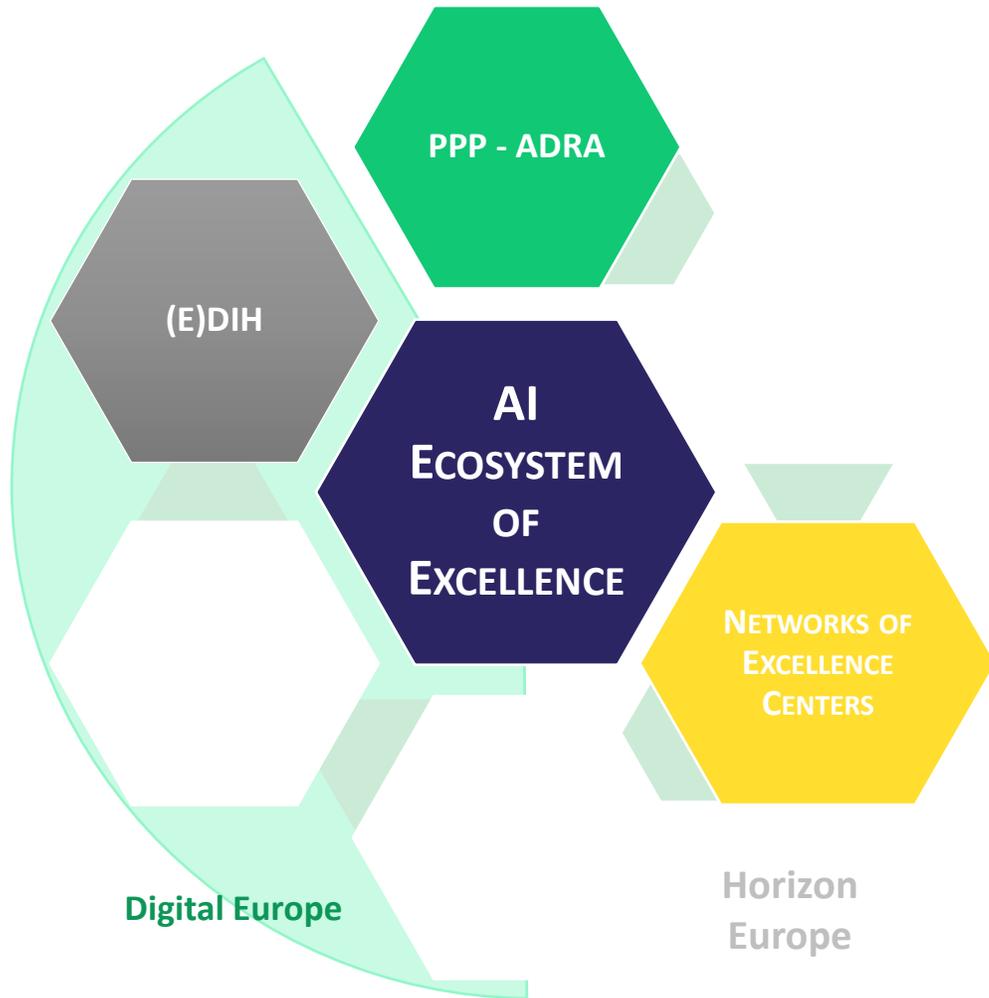
400 M€

**Skills & Education**



**EuroHPC**  
Joint Undertaking

# EU Excellence in AI: From the Lab to the Market

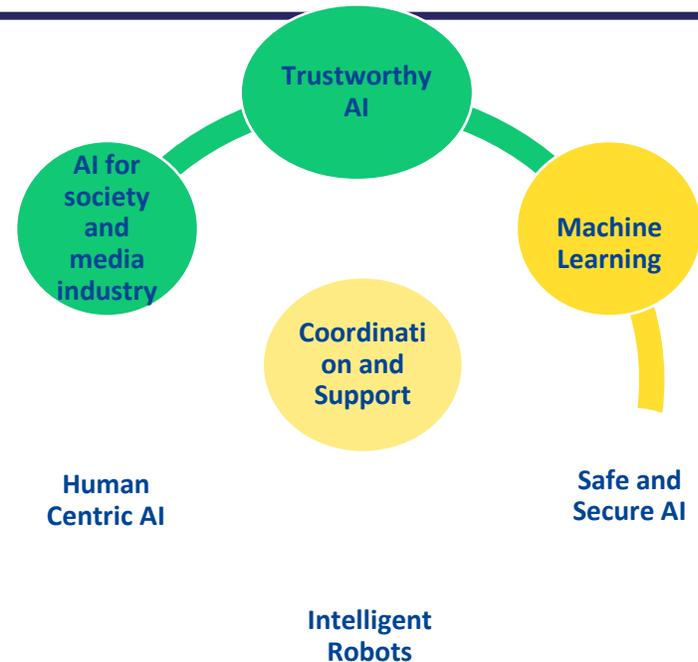


## INVESTMENT COMMITMENTS (2021-2027)

- 1.3 B€ EU FUNDING
- 20 B€ investments by EU and MS

## DIGITAL DECADE TARGETS:

- by 2030, 75% of European enterprises have taken up AI



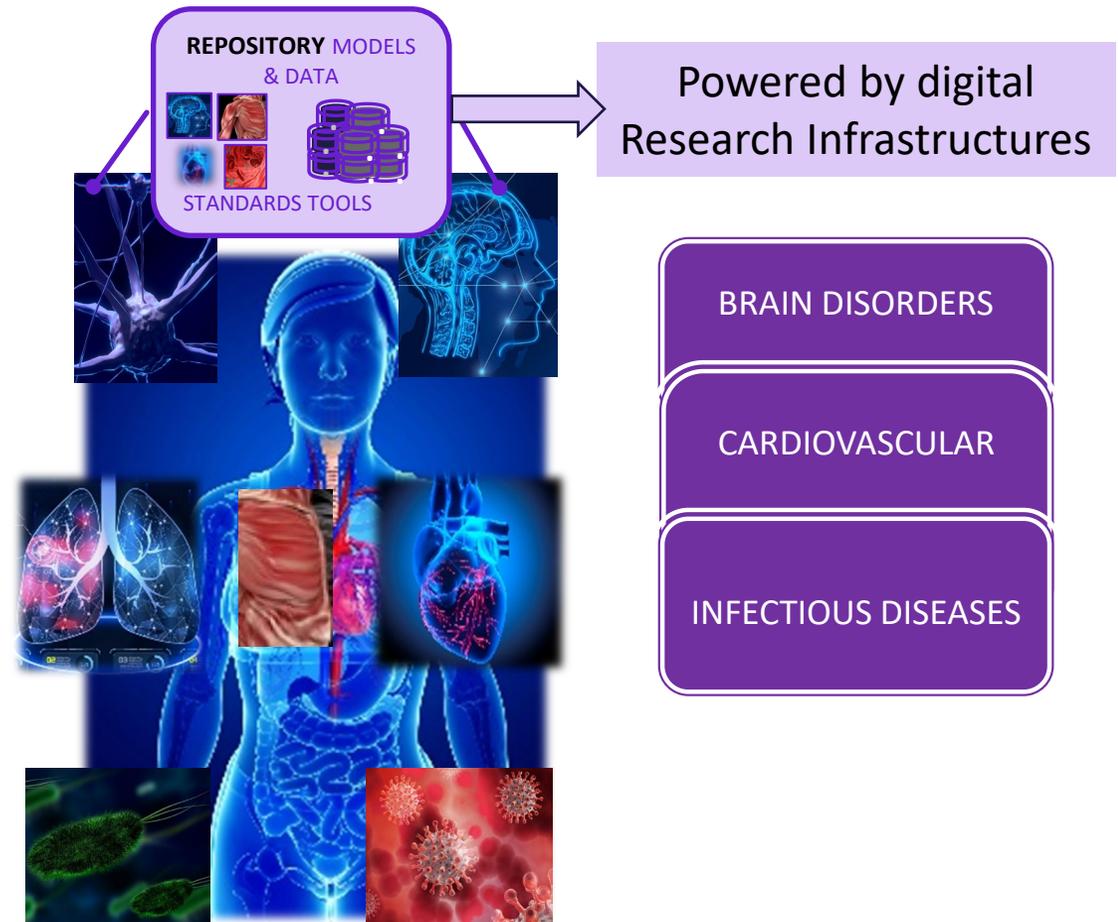
# Examples of EU initiatives in Digital Twins

## Destination Earth and Destination Human

*DestinE: Study the past, understand the present and predict the future*



## Building Virtual Human Twins



# Cyber Security and the EU Cyber Solidarity Act

## Cyber Solidarity Act

Strengthen solidarity at Union level in order to better detect, prepare and respond to cybersecurity threats and incidents

### Pillar 1

- European Cyber Shield
- National SOCs
- Cross-border SOCs
- Information sharing

### Pillar 2

- Cyber Emergency Mechanism
- Preparedness
- Response (EU Cybersecurity Reserve)
- Mutual Assistance

### Pillar 3

- Cybersecurity Incident Review Mechanism
- Review and assessment of incidents
- Lessons learned and recommendations



**Thank you!**