# European Digital Innovation Hubs (EDIHs) and Testing & Experimentation Facilities (TEFs)

**Lucilla SIOLI, Director**
**Artificial Intelligence & Digital Industry**
**DG CONNECT, European Commission**

RESEARCH TO REALITY

# European Digital Innovation Hubs in a nutshell

## TARGET

European Digital Innovation Hubs (EDIHs) are **demand-driven** one-stop shops supporting **companies (especially SMEs) and public sector** organisations in their digitalisation journey, for free or at a discounted price

## FUNDING

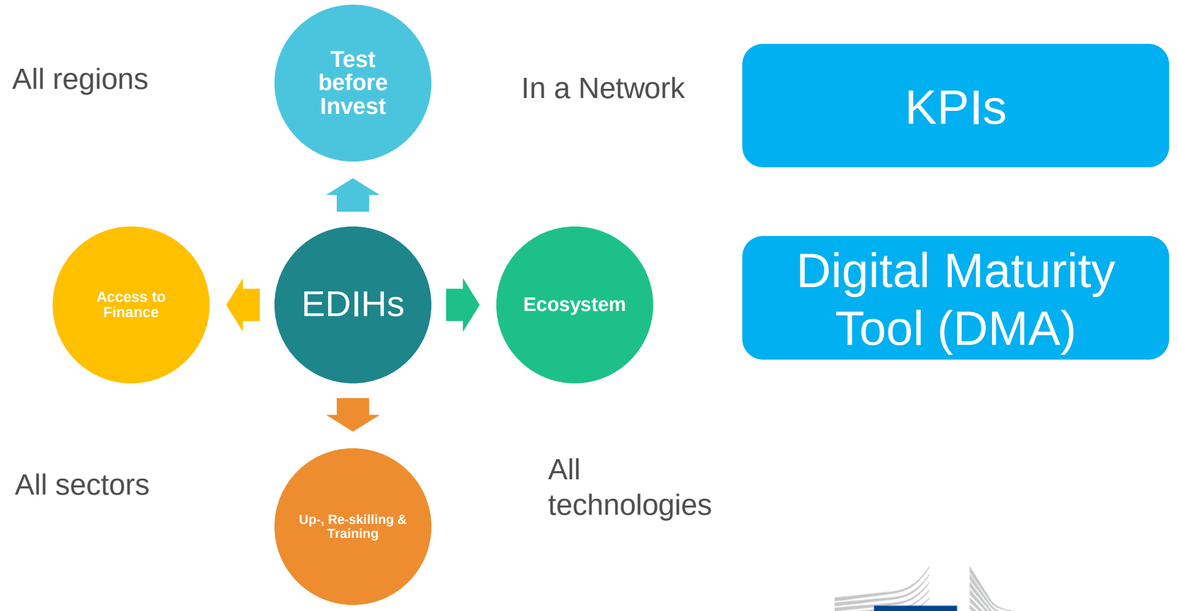
EDIHs are **funded 50% by DIGITAL** and 50% by national, regional or local resources

## COMPOSITION

Typical **participants of EDIHs** are **practitioners in digital technologies**, hosted by research and tech organisations, technical universities, innovation clusters, accelerators/incubators, private companies, etc

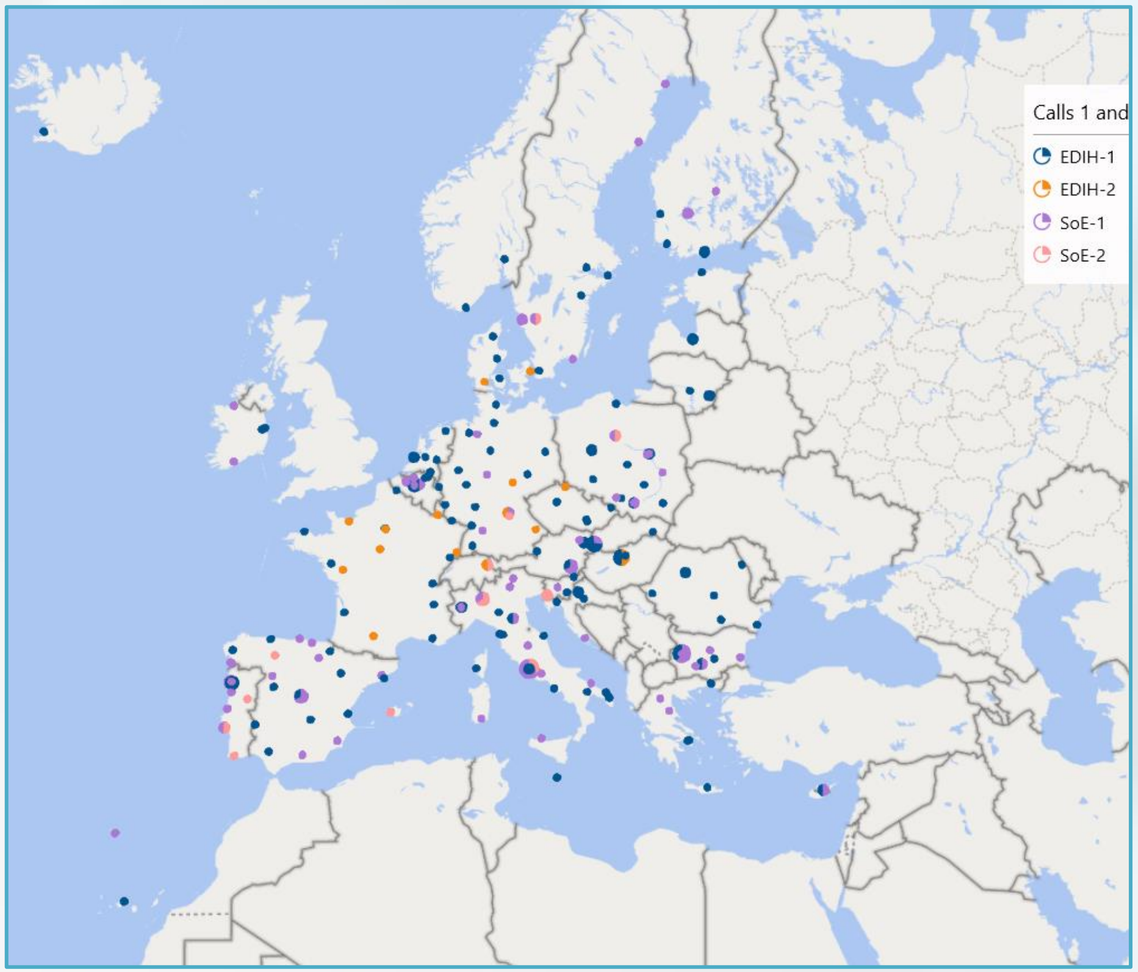
## SERVICES

- EDIHs offer support for digital transformation adapted to **local needs** and based on their area of **specialisation**
- They build regional ecosystems of users and suppliers, strengthening local **innovation** environment




European Commission

# A Unique EDIH Deployment




- 200+ EDIHs to meet the demand of SMEs and public organisations with digitalisation services
  - 151 EDIHs funded by DIGITAL
  - 40…60 Seal of Excellence EDIHs
  - Work at the regional level, with access to the support of a pan-European network

- EU27, Norway, Iceland, Liechtenstein
- Altogether, huge portfolio of technology competences and a coverage of most economic activity sectors

Catalogue: https://ec.europa.eu/edih

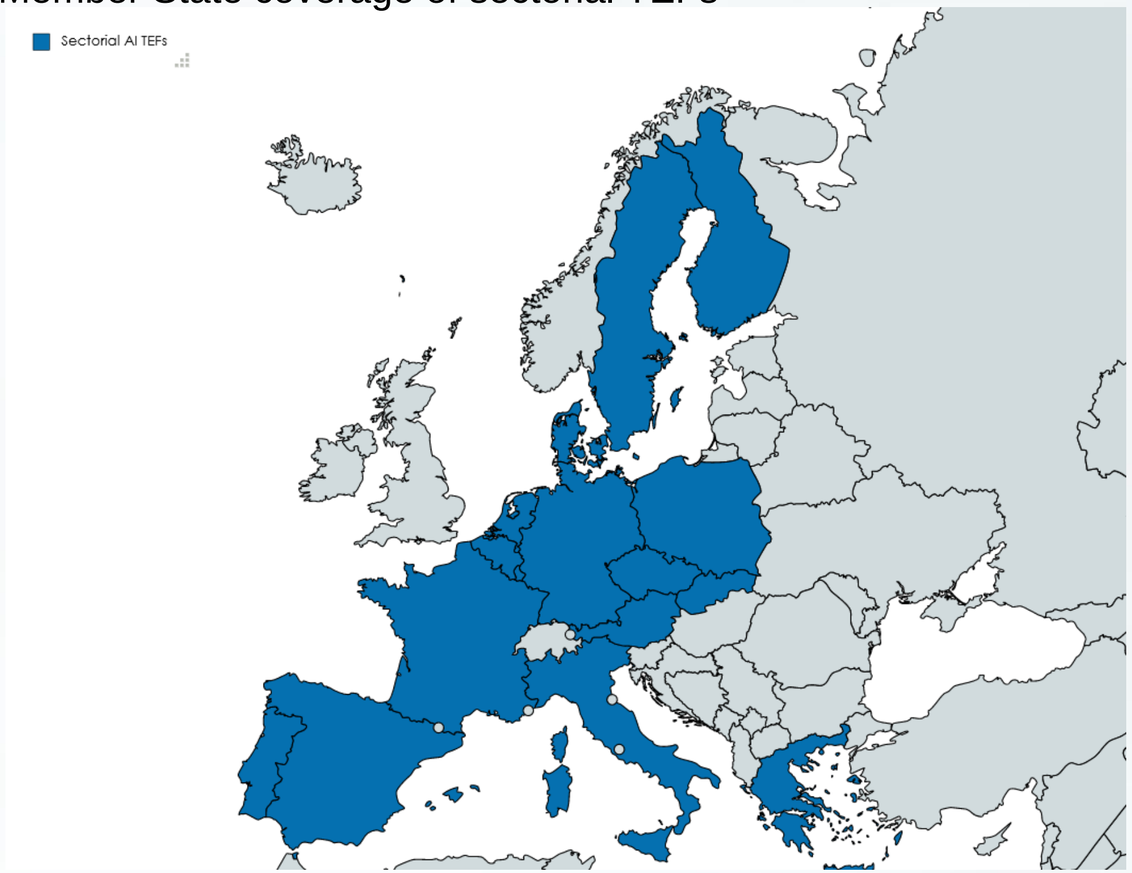
# Testing and Experimentation Facilities (TEFs)

- Support **the deployment and uptake of trustworthy AI** and support the **implementation** of the AI Act
- Support **European innovators** to with testing and validation services
- Support TEFs as **world-class reference technology infrastructures** at EU level **addressing gaps in the value chain**, from the lab, to the market

# TEFs: A strategic investment in Trustworthy AI

- **220M€** co-investment with MS under DEP
- 4 TEFs comprise **128 partners** in **16 Member States**
- Common EU resource

Member State coverage of sectorial TEFs

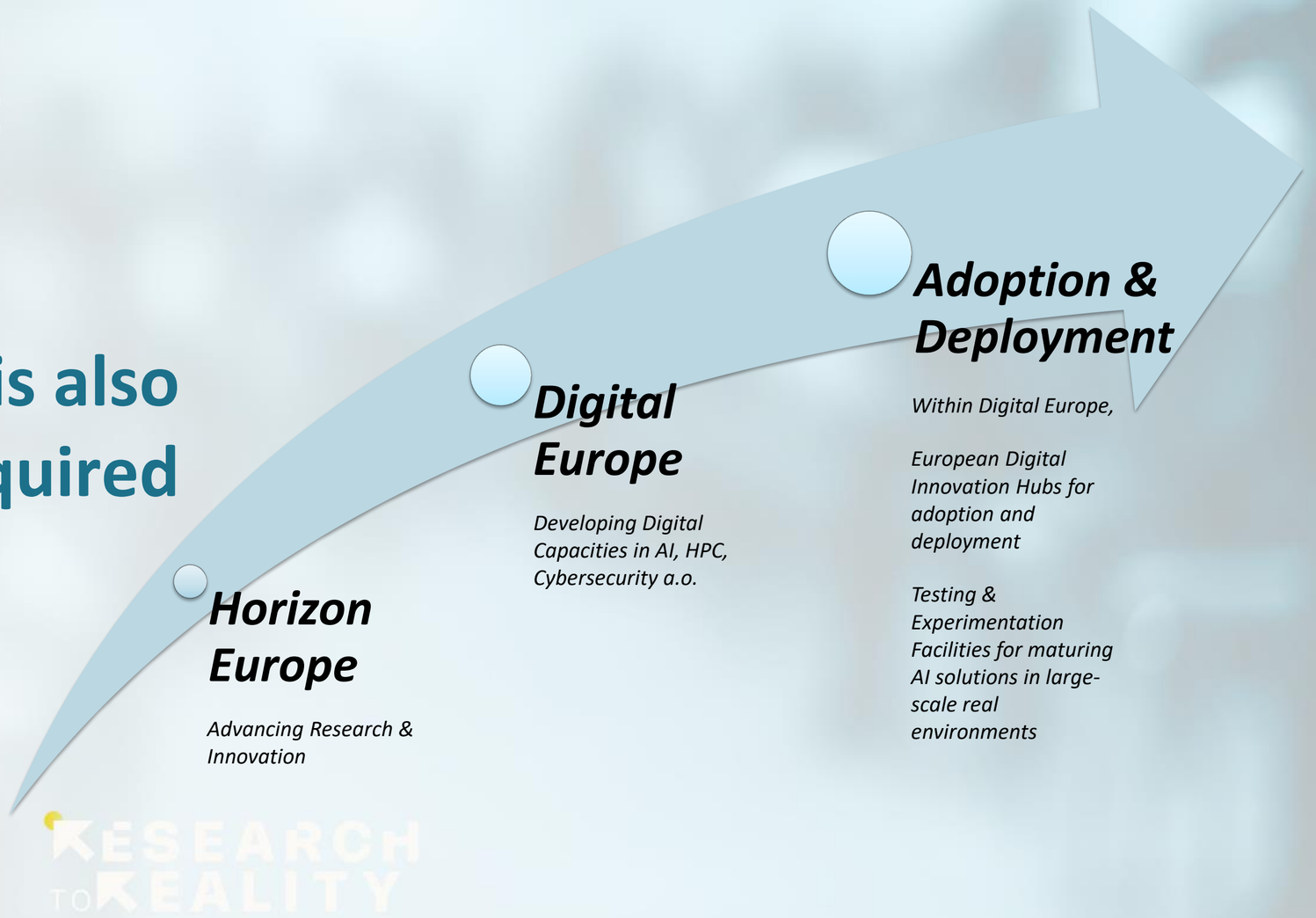



**Open for business event – 4 March 2024 Berlin**

# From Lab to Market

**Driving innovations is not enough**

**Broad adoption is also required**



# RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

beEU

Flanders State of the Art

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission

# EDIHs, TEFs: Value, how?

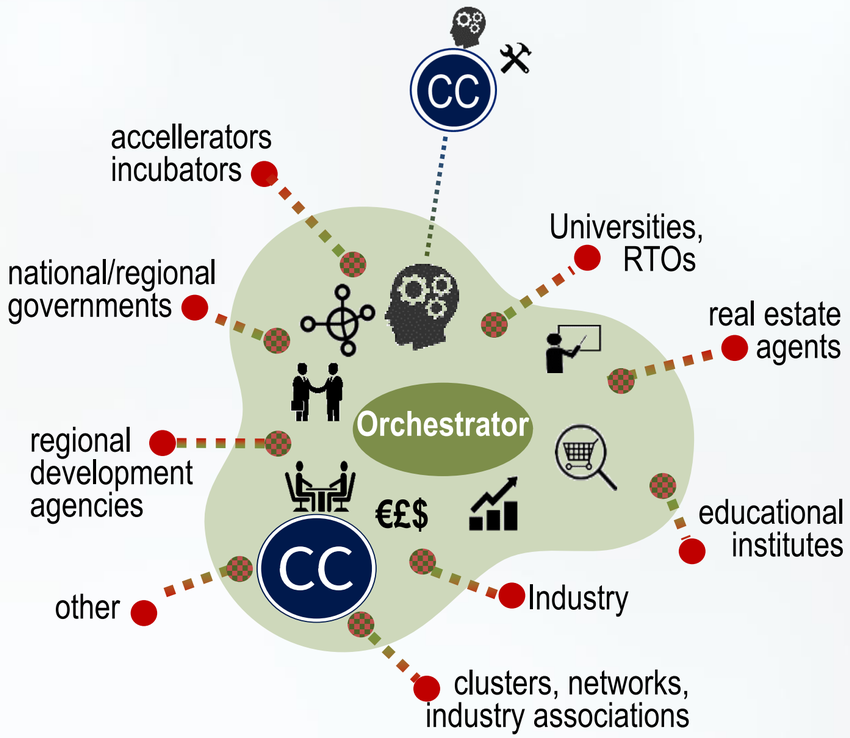
**Viewed through the lens of an research and technology organisation**

Maurits Butter (TNO)

TNO innovation for life

RESEARCH TO REALITY

# European Digital Innovation Hubs

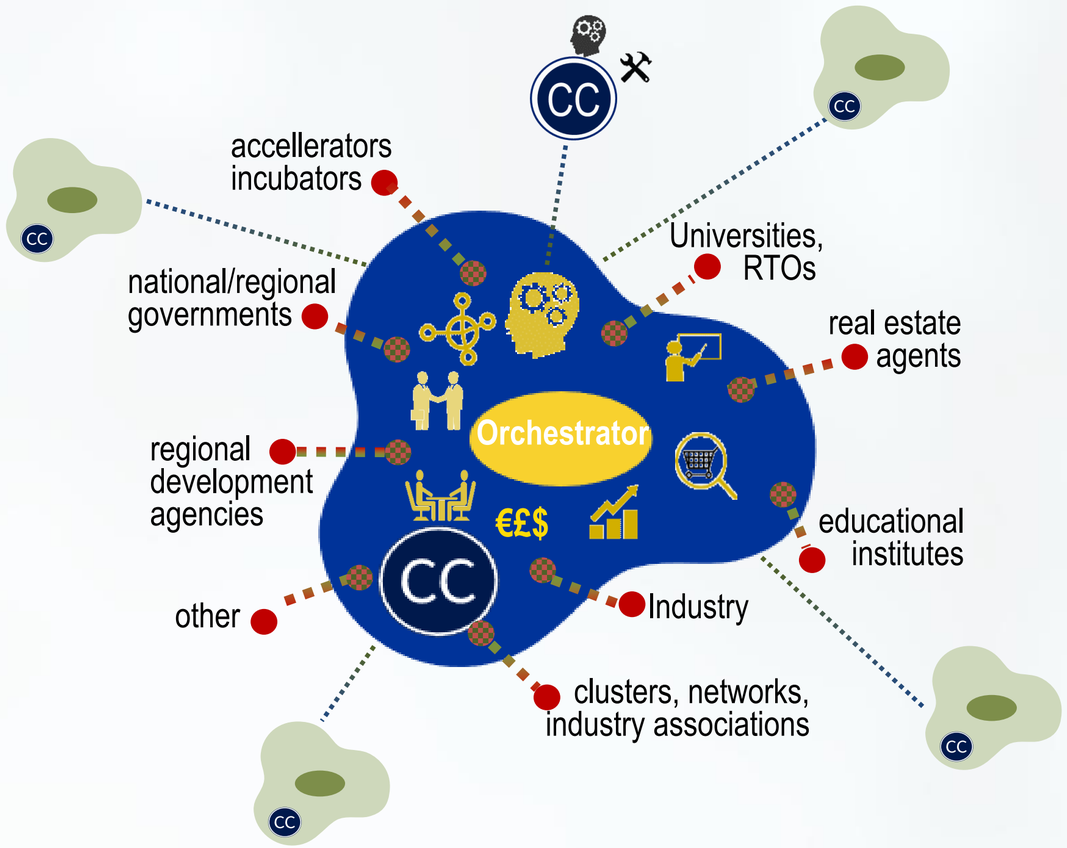



# *Value*

The regional function

- Coordinating the regional innovation relay game
- Supporting the regional development with regard to innovation
- Supporting the uptake of advanced digital technologies in SMEs

# European Digital Innovation Hubs




# *Value*

The regional function

- Coordinating the regional innovation relay game
- Supporting the regional development with regard to innovation
- Supporting the uptake of advanced digital technologies in SMEs

The European function

- Boosting interregional collaboration on innovation
- Enhancing the use of available infrastructures and expertise on EU-level
- Aligning, synchronizing innovation in different regions

# Testing and Experimentation Facilities

AI
manufacturing
healthcare
agriculture
smart cities


# *Value*

The regional function

- Supporting the uptake in regions of state of the art technologies (in SMES/start-ups)
- Promoting sustainable practices for these technologies
- Facilitating the research-industry collaboration

# Testing and Experimentation Facilities

AI
manufacturing
healthcare
agriculture
smart cities


# *Value*

The regional function

- Supporting the uptake in regions of state of the art technologies (in SMES/start-ups)
- Promoting sustainable practices for these technologies
- Facilitating the research-industry collaboration

The European function

- Providing access to the state-of-the-art technology infrastructures on EU-level
- Enhancing European collaboration on innovation with regard to these technologies
- Alignment/synchronization of the the technological infrastructures

# Value

## Value of EDIHs for RTOs

The regional function

- Limiting the costs of attracting the customer
- Supporting the transfer of innovation to its customers
- Offering a more holistic solution to the customer

The European function

- Identifying potential customers from other “regions” and their needs
- Reducing the costs of service delivery to customers from other regions
- Aligning/synchronizing the infrastructures from European “partners”

# *Value*

## Value of TEFs for RTOs

The regional function

- Re-enforcing the RTO in the region
- Increase valorisation of the knowledge and infrastructures
- Creating a point of attraction to the services

The European function

- Exchange of knowledge  and showcases on the subjects
- Further enhancing the market of the infrastructures on EU-level
- Support and cost reduction for EU collaborations

# Let me focus on the European function

# Project Europe!

*exchange experiences*

*pan-EU value chains*

*leading edge technologies*

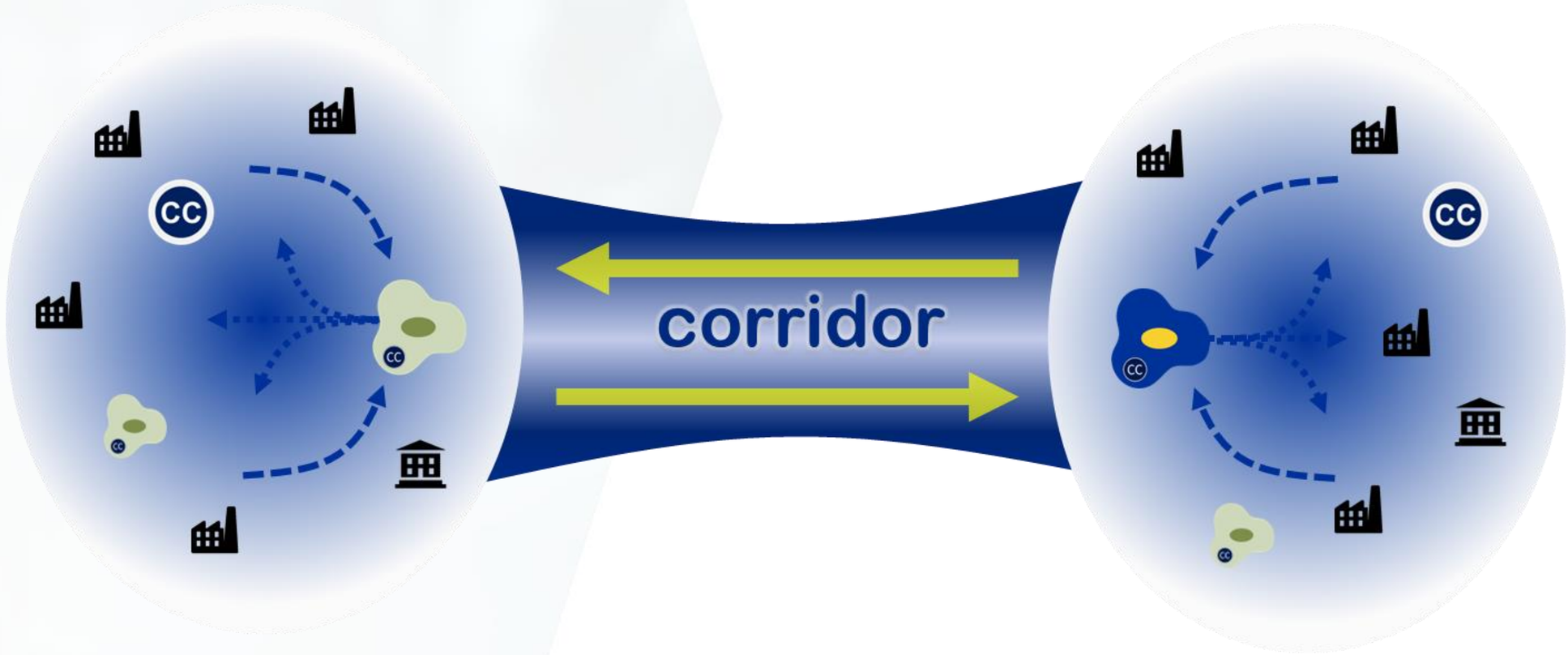
*synergies & complementarities*

*new business opportunities*

*impact public funding*

# Interregional Innovation Corridors

Structural collaborations between two or more regions, orchestrated by (European) Digital Innovation Hubs in which continuous exchange of industrial and research capacities/capabilities takes place




Boosting digital innovation

# Example: BOWI corridor

Univerzitný vedecký park TECHNICOM

Value created:

- Acting as a conduit to get SMEs to the other region
- Making use of the expertise/infrastructures from the hubs

Activities deployed:

- Peer and business visits (SMEs) organised
- Supporting interregional (startup) business activities

Sustainability aspects:

- Business plan for continuation activities
- Funding for the corridor through new EU projects

DIGITAL.HUB LOGISTICS

Boosting digital innovation

# Some lessons learned for interregional collaboration

- Value is not obvious and needs to be researched systematically
- A corridor is a long-term objective
- Well developed RTOs see less value than RTOs from “widening countries”
- Making an interregional collaboration work structurally needs projects **and more**
- ***Project Europe is not easy, but crucial for the future***

DIHNET.EU academy

TNO civitta

# Conclusion on drivers for RTOs to participate

- (Reduction of costs and efforts to) get their innovations to the customer
- Support to efficiently “sell” the infrastructures and expertise to customers in Europe
- Access and insights on what other RTOs in Europe do, also on a operational level
- Opportunities to work together with other RTOs and expand knowhow and innovation
- ***Availability of funding for research and European collaboration***

# Thank you!

Maurits Butter
Maurits.butter@tno.nl

TNO innovation for life

RESEARCH TO REALITY

# RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

beEU

Flanders State of the Art

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission

# AIRE EDIH
# Supporting Estonian Industry in Adapting AI & Robotics

Kirke Maar, manager of AIRE
Kirke.Maar@aire-edih.eu

RESEARCH TO REALITY

# AIRE’s team – since July 2022 European Digital Innovation Hub

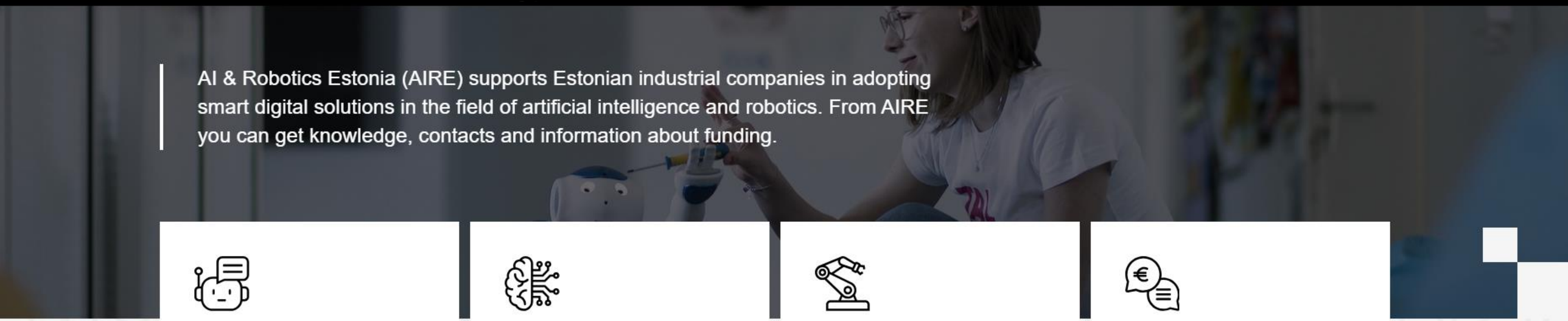
# AI & ROBOTICS ESTONIA

**170 +**
Clients

**600 +**
Participants in trainings

**1300 +**
AIRE club participants

**31**
Demonstration projects launched



AI & Robotics Estonia (AIRE) supports Estonian industrial companies in adopting smart digital solutions in the field of artificial intelligence and robotics. From AIRE you can get knowledge, contacts and information about funding.

- DIGITAL MATURITY ASSESSMENT
- AI SUITABILITY ASSESSMENT
- ROBOTICS SUITABILITY ASSESSMENT
- FINDING SOURCES OF FUNDING – PRIVATE CAPITAL
- FINDING SOURCES OF FUNDING – PUBLIC MEASURES
- TRAININGS
- AIRE CLUB
- **DEMONSTRATION PROJECTS**

AI & ROBOTICS ESTONIA

# PARTNERS

- Ministry of Economic Affairs and Communication (financer)
- Tallinn University Technology - TalTech (leading partner)
- University of Tartu (partner)
- Estonian University of Life Sciences (partner)
- Tallinn Science Park Tehnopol
- Tartu Science Park
- IMECC (Innovative Manufacturing Engineering Systems Competence Centre)

Majandus- ja Kommunikatsiooni-ministeerium

TAL TECH

Tartu Ülikool 1632 Universitas Tartuensis

Eesti Maaülikool Estonian University of Life Sciences

Tehnopol

TARTU TEADUSPARK

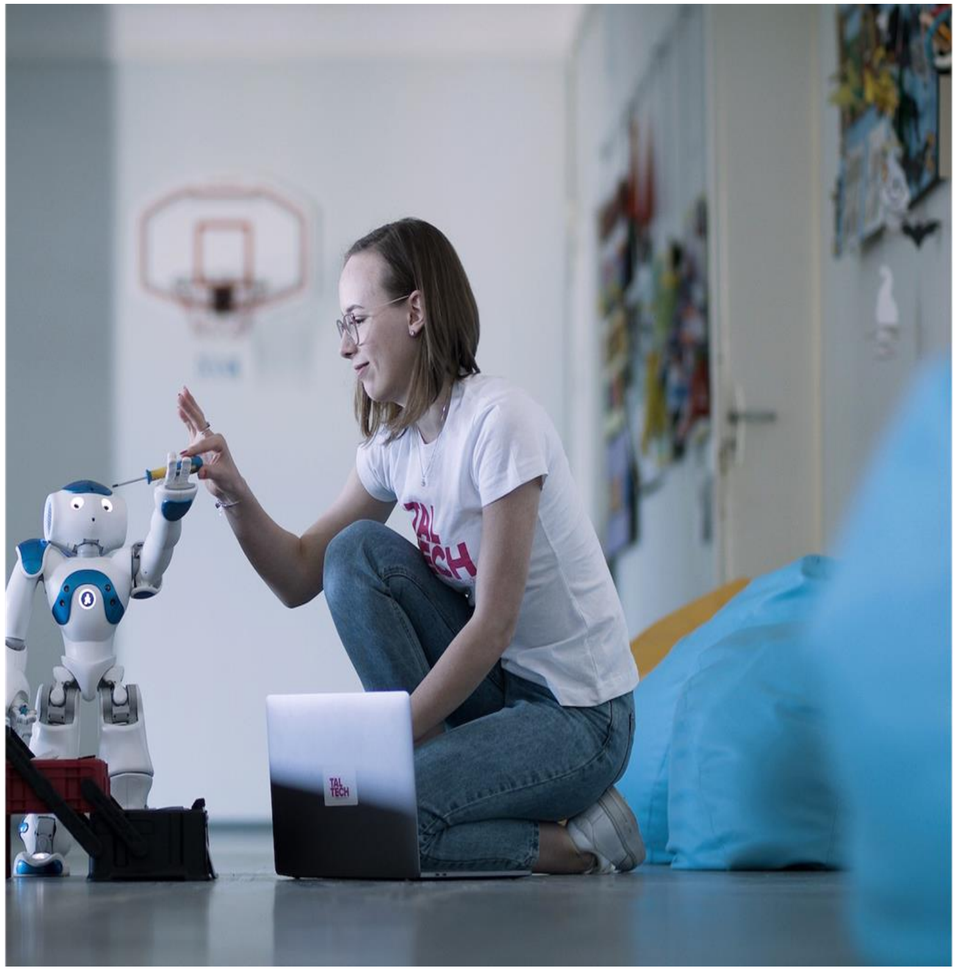
IMECC Innovative Manufacturing Engineering Systems Competence Centre

EESTI TÖÖSTUSETTEVÕTTED ON VÄGEVAD – NENDE TOODETU MUUDAB INIMESTE ELU MUGAVAMAKS, LIHTSAMAKS, NUTIKAMAKS JA LOODUST HOIDVAMAKS. NENDE PANUS TÖÖKOHTADE LOOMISSE MUUDAB EESTI MAJANDUSE KESTLIKUMAKS. JUST SEETÕTTU OLEME TEHISINTELLEKTI- JA ROBOOTIKAKESKUSES AIRE UHKED EESTI TÖÖSTUSETTEVÕTETE ÜLE NING INVESTEERIME NENDE KONKURENTSIVÕIME TÕSTMISSE.

AI & ROBOTICS ESTONIA

# Collaboration PARTNERS

- **200+ EDIHs in Europe**,
- 8 Associated partners involved: City of Tallinn, City of Tartu, Tallinn University, Estonian Chambre of Commerce and Industry (EEN coordinator), Federation of Estonian Engineering Industries, Association of Estonian IT and Telecommunication Companies (ITL), Association of Estonian Electronics Industries, Estonian Business and Innovation Agency (formerly Enterprise Estonia).
- State funding related organisations,
- IT developers, AI solution providers, technology providers and developers.
- Robotics engineers & manufacturers,
- Electronics & ICT companies, banks.



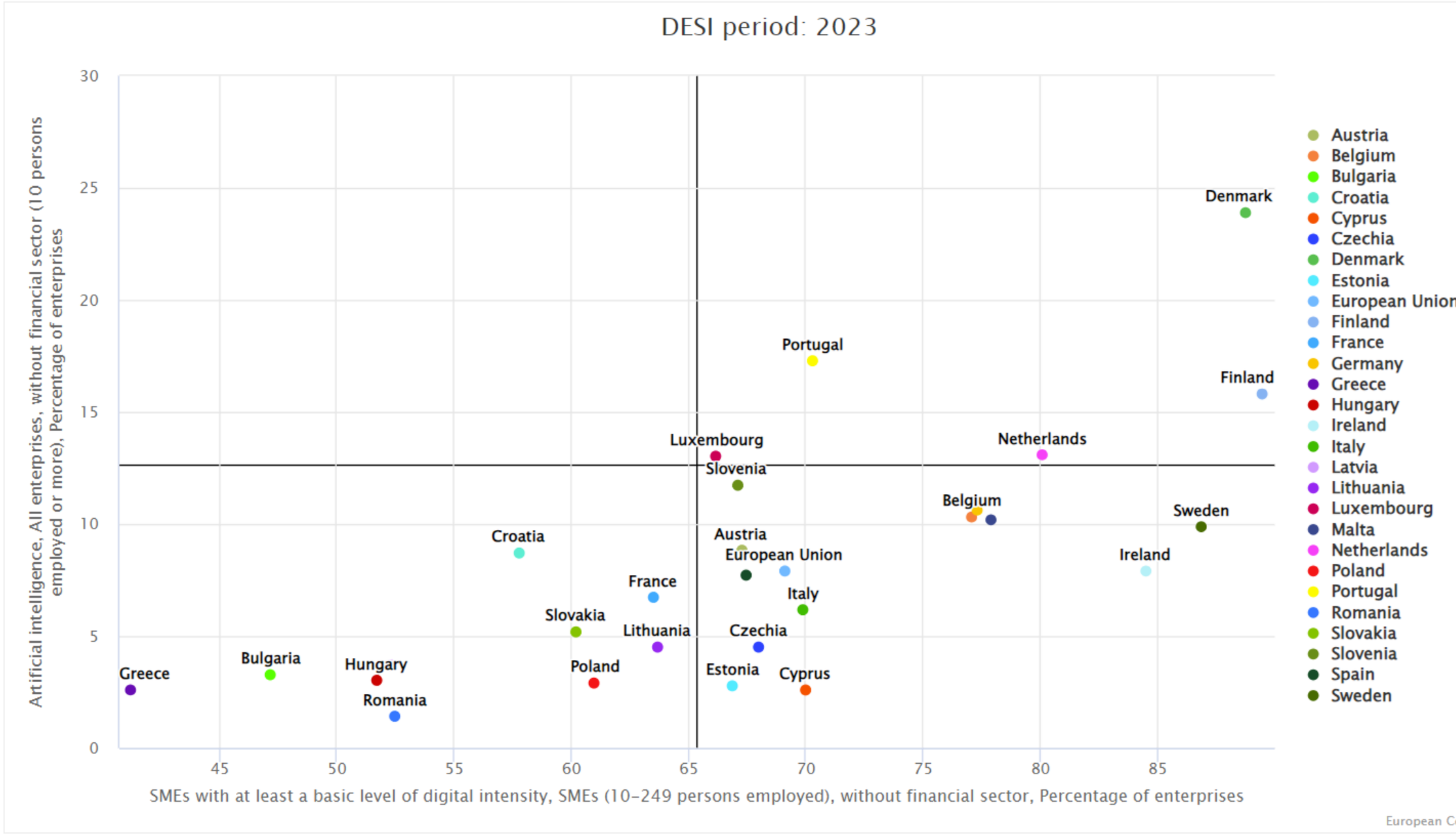
YOUR INDUSTRIAL COMPANY HAS GAINED A SUBSTANTIAL COMPETITIVE ADVANTAGE AND IS BECOMING SUCCESSFUL THANKS TO THE DIGITAL REVOLUTION WITH THE HELP OF ARTIFICIAL INTELLGENCE AND ROBOTICS SMALL & MEDUM-SIZED INDUSTRIAL COMPANIES, THE DIGITAL REVOLUTION CENTRE AIRE IS A KEY PARTNER

# Estonian AI EDIH: state priority to focus on manufacturing and production

- National priority was set on **manufacturing and production sector** (AI & robotics as technologies for digitalisation).
- Estonia is on top of EU (DESI), among others in e-government users, digital public services, and access to e-health records - DESI 2023, https://digital-decade-desi.digital-strategy.ec.europa.eu/
- Unfortunately Estonia is below average:
  - SMEs with at least a basic level of digital intensity
  - Use of big data by SMEs
  - Adaption of AI

- **EXCELLENT EVERYDAY COLLABORATION WITH THE ESTONIAN STATE!**

AI & ROBOTICS ESTONIA




EESTI TÖÖSTUSETTEVÕTTED ON VÄGEVAD – NENDE TOODETU MUUDAB INIMESTE ELU MUGAVAMAKS, LIHTSAMAKS, NUTIKAMAKS JA LOODUST HOIDVAMAKS. NENDE PANUS TÖÖKOHTADE LOOMISSE MUUDAB EESTI MAJANDUSE KESTLIKUMAKS. JUST SEETÕTTU OLEME TEHISINTELLEKTI- JA ROBOOTIKAKESKUSES AIRE UHKED EESTI TÖÖSTUSETTEVÕTETE ÜLE NING INVESTEERIME NENDE KONKURENTSIVÕIME TÕSTMISSE.

AI & ROBOTICS ESTONIA

Together, the three axes trigger three major changes to achieve the objective of the Strategy.

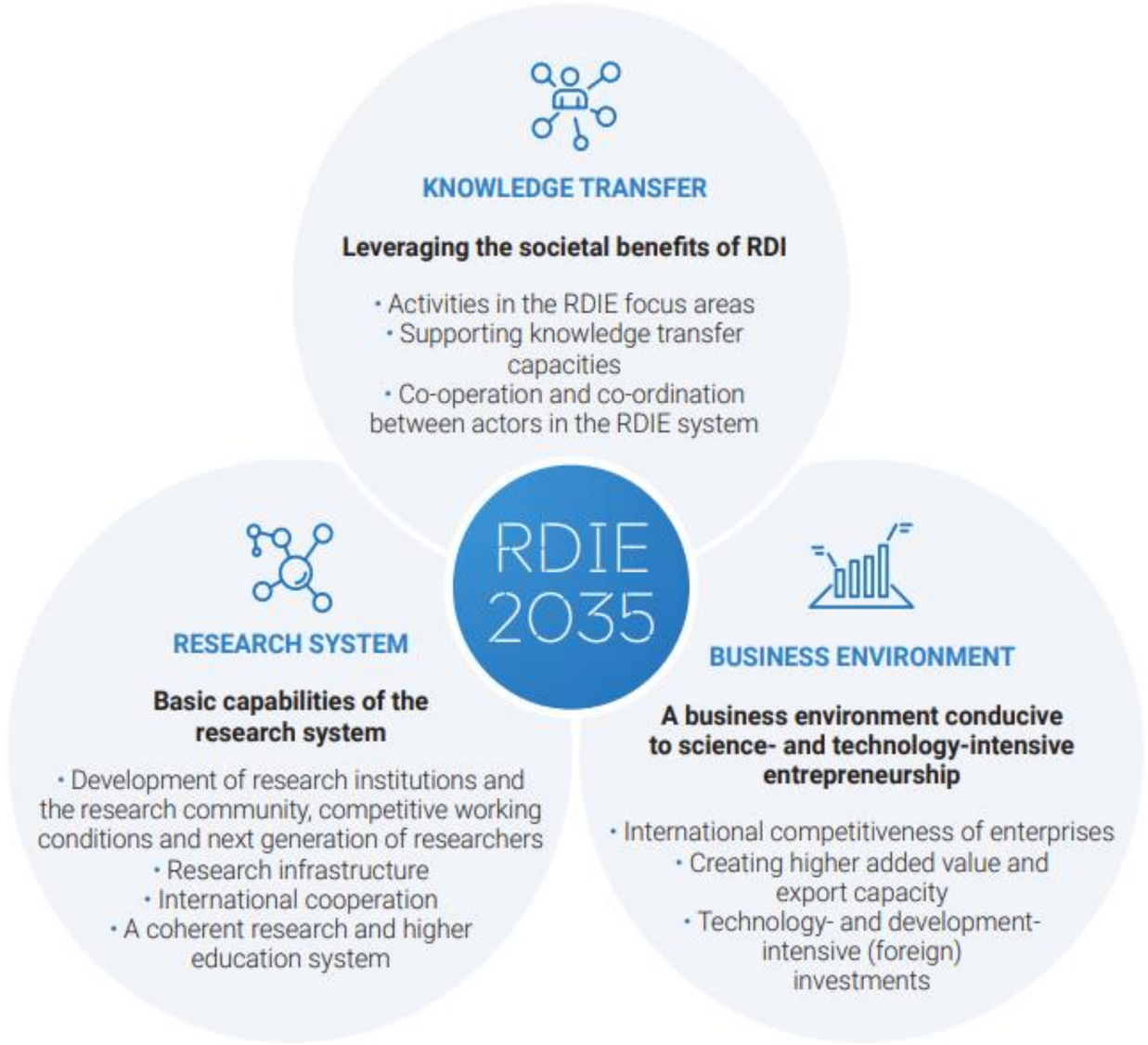
1. **RDIE addresses society's development needs.** RDIE helps to achieve societal and economic objectives. Efficient and effective solutions to society's development needs will be achieved, inter alia, through activities in the RDIE focus areas.
2. **Increasing impact and influence of science and researchers.** The research system is strongly linked to society and the economy. An effective knowledge transfer is achieved. Research and researchers are highly valued in society, and research institutions and researchers are capable and valued partners for enterprises in solving societal challenges and shaping policies.
3. **Business is becoming more RDI-intensive.** The aim is to achieve a growth in knowledge- and technology-intensive entrepreneurship and higher added value, and consequently higher levels of income and welfare, across Estonia.

## Strategic goals of the Estonia 2035 strategy


## UN Sustainable Development Goals


EESTI TÖÖSTUSETTEVÕTTED ON VÄGEVAD – NENDE TOODETU MUUDAB INIMESTE ELU MUGAVAMAKS, LIHTSAMAKS, NUTIKAMAKS JA LOODUST HOIDVAMAKS. NENDE PANUS TÖÖKOHTADE LOOMISSE MUUDAB EESTI MAJANDUSE KESTLIKUMAKS. JUST SEETÕTTU OLEME TEHISINTELLEKTI- JA ROBOOTIKAKESKUSES AIRE UHKED EESTI TÖÖSTUSETTEVÕTETE ÜLE NING INVESTEERIME NENDE KONKURENTSIVÕIME TÕSTMISSE.

AI & ROBOTICS ESTONIA


EESTI TÖÖSTUSETTEVÕTTED ON VÄGEVAD – NENDE TOODETU MUUDAB INIMESTE ELU MUGAVAMAKS, LIHTSAMAKS, NUTIKAMAKS JA LOODUST HOIDVAMAKS. NENDE PANUS TÖÖKOHTADE LOOMISSE MUUDAB EESTI MAJANDUSE KESTLIKUMAKS. JUST SEETÕTTU OLEME TEHISINTELLEKTI- JA ROBOOTIKAKESKUSES AIRE UHKED EESTI TÖÖSTUSETTEVÕTETE ÜLE NING INVESTEERIME NENDE KONKURENTSIVÕIME TÕSTMISSE.

# Lessons Learned from 170+ industrial companies in Estonia

- Companies have been very open towards us of our **demand-based collaboration** approach of **knowledge transfer.**
- We are recognized in the Estonian market and moving cross-border.
- **Test before invest: bringing down fears and risks of investment.**
- Custom software can be an enabler, but often inability to innovate fast
- **Only 5% companies have existing data for testing AI solutions.**
- Optimization and fine-tuning is not the source for growth
- Competition, Competition Law, Intellectual Property.
- **Need to focus on raising awareness over the next few years, especially regarding the EU AI Act.**
- Moving to other sectors, starting with **health technology in 2024**.

YOUR INDUSTRIAL COMPANY HAS GAINED A SUBSTANTIAL COMPETITIVE ADVANTAGE AND IS BECOMING SUC
CESSFUL THANKS TO THE DIGITAL REVOLUTION WITH THE HELP OF ARTIFICIAL INTELLGENCE AND ROBOTICS
SMALL & MEDUM-SIZED INDUSTRIAL COMPANIES, THE DIGITAL REVOLUTION CENTRE AIRE IS A KEY PARTNER

AI & ROBOTICS ESTONIA


# Sustainability with AI?

YOUR INDUSTRIAL COMPANY HAS GAINED A SUBSTANTIAL COMPETITIVE ADVANTAGE AND IS BECOMING SUC
CESSFUL THANKS TO THE DIGITAL REVOLUTION WITH THE HELP OF ARTIFICIAL INTELLGENCE AND ROBOTICS
SMALL & MEDUM-SIZED INDUSTRIAL COMPANIES, THE DIGITAL REVOLUTION CENTRE AIRE IS A KEY PARTNER

AI & ROBOTICS ESTONIA

# Innovation for Manufacturing Companies & Their Impact on SDGs


- **Energy-Efficient Machinery:** SDG 7: Affordable and Clean Energy


- **Sustainable Material Sourcing**: SDG 12: Responsible Consumption and Production
- **Waste Reduction & Recycling**: SDG 11: Sustainable Cities and Communities


- **Digitalization & Smart Manufacturing**: SDG 9: Industry, Innovation, and Infrastructure


- **Employee Upskilling**: SDG 4: Quality Education
- **Green Logistics & Transportation**: SDG 13: Climate Action

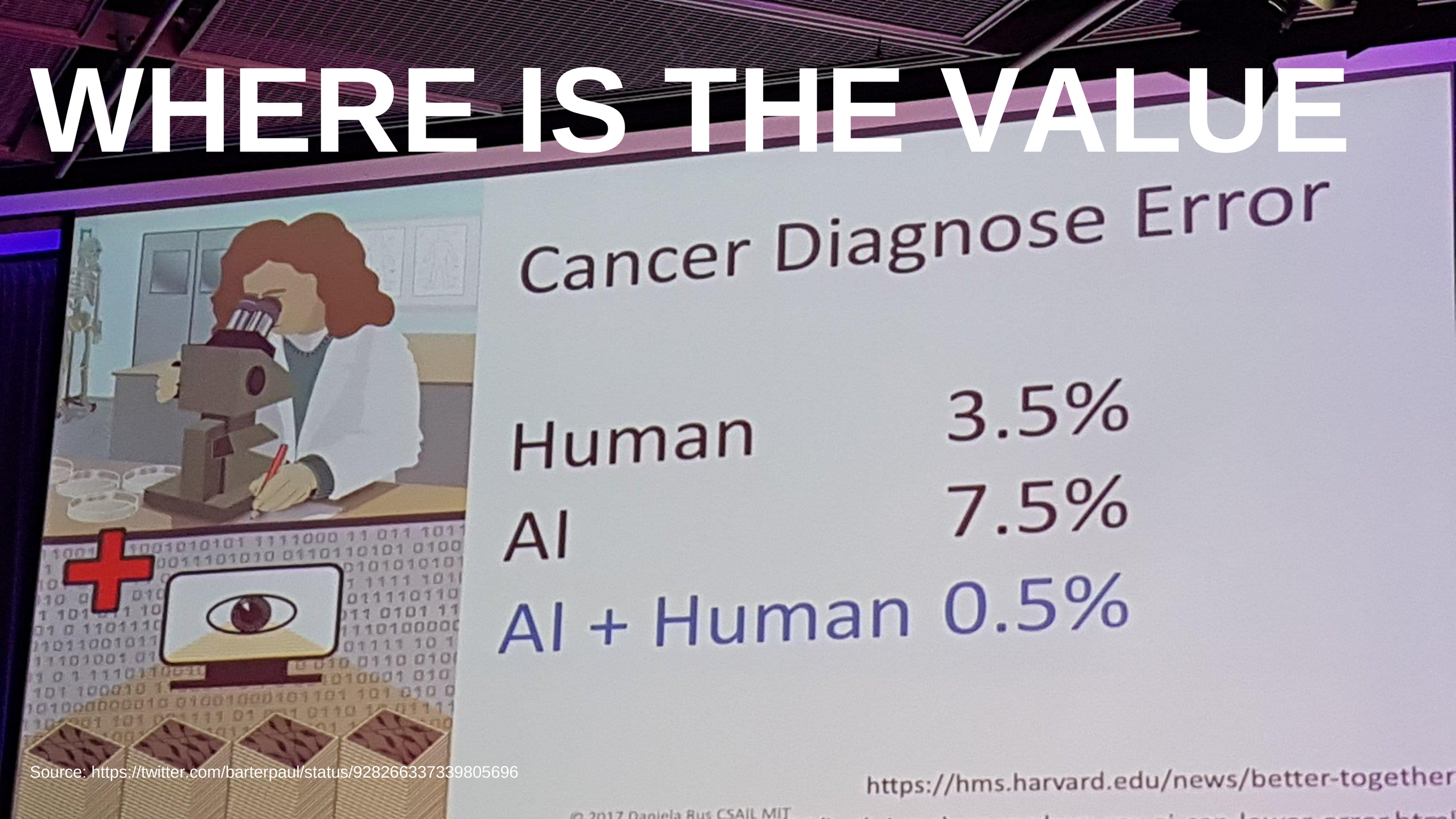

- **Water Conservation in Production**: SDG 6: Clean Water and Sanitation

YOUR INDUSTRIAL COMPANY HAS GAINED A SUBSTANTIAL COMPETITIVE ADVANTAGE AND IS BECOMING SUC
CESSFUL THANKS TO THE DIGITAL REVOLUTION WITH THE HELP OF ARTIFICIAL INTELLGENCE AND ROBOTICS
SMALL & MEDUM-SIZED INDUSTRIAL COMPANIES, THE DIGITAL REVOLUTION CENTRE AIRE IS A KEY PARTNER

# Health tech pilots starting in April 2024 – test before invest

- From research to reality
- Knowledge transfer for validation
- Small scale pilots for test before invest:
  - Validation of technologies and systems
  - Mainly not clinical testing (except SMEs with high TRL level and MDR licences)
  - Robotics for health care
  - Data integration
  - Predictive analysis
  - Personalized medicine
  - Virtual health assistance
  - Health monitoring
  - Remote monitoring
  - Diagnosis support with AI

# WHERE IS THE VALUE




Source: https://twitter.com/barterpaul/status/928266337339805696

AI & ROBOTICS ESTONIA

# Responsible digitalization

Only **25%** of the **digitalization** effort in a company is **reusable** for other companies.

**How to extract** and reuse that **knowledge**?

**Scalability** as an objective!

AI & ROBOTICS ESTONIA

# EDIH lessons learned

- **Knowledge transer** is extremely needed – near market support activities from the universities and science parks into end-users! AIRE as an universities' based EDIH to support scability (160+ unique SMEs served in 18 moths! 1000+ participants in awareness raising);
- **Cross-border collaboration** with EDIHs is just about to start after 18 months of kick-off! First Estonian clients forwarded to other EDIHs services.
- **Clear market demand** in parallel with AI boom. Focus on demand-based collaboration and use-cases for **impact.**
- Importance of awareness raising – trustworthy and ethical issues, **EU AI Act**
- Links and actual collaboration between **EDIHs and TEFs** are still to be established.
- Unfortunately high level of bureaucracy (3 parallel reporting systems) – **we need to be agile and flexible!**

AI & ROBOTICS ESTONIA

# Thank you!

Questions? Ideas!

Contact: kirke.maar@aire-edih.eu

AI & ROBOTICS ESTONIA

Co-funded by the European Union

EDIH European Digital Innovation Hubs Network

AI & Robotics Estonia - AIRE (EDIH) is financed by the European Digital Innovation Centers sub-programme of the Digital Europe Program and the Ministry of Economic Affairs and Communications (Project nr: 101083677)

Co-funder:

Majandus- ja Kommunikatsiooni-ministeerium

Partners:

TAL TECH

Tartu Ülikool 1632 University of Tartu

Eesti Maaülikool Estonian University of Life Sciences

Tehnopol

TARTU TEADUSPARK

IMECC Innovative Manufacturing Engineering Systems Competence Centre

YOUR INDUSTRIAL COMPANY HAS GAINED A SUBSTANTIAL COMPETITIVE ADVANTAGE AND IS BECOMING SUCCESSFUL THANKS TO THE DIGITAL REVOLUTION WITH THE HELP OF ARTIFICIAL INTELLGENCE AND ROBOTICS SMALL & MEDUM-SIZED INDUSTRIAL COMPANIES, THE DIGITAL REVOLUTION CENTRE AIRE IS A KEY PARTNER

# RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

beEU

Flanders State of the Art

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission

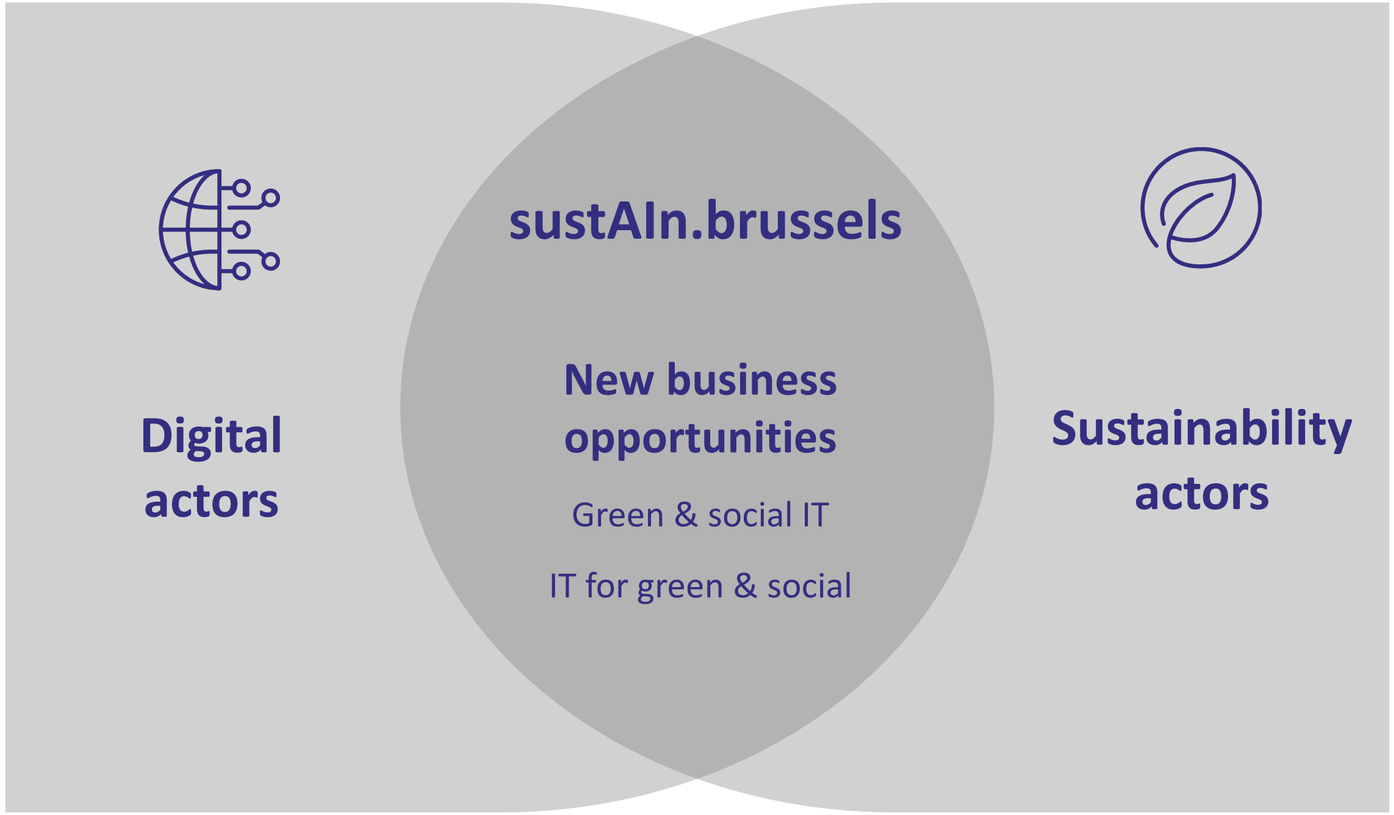
# EDIH
# sustAIn.brussel

RESEARCH TO REALITY

sustAIn .brussels

**ssion:** serve as **single point of access for companies to sustainable digital innovation,**

with a focus on AI and other emerging technologies




AGORIA
sirris
UNIVERSITÉ LIBRE DE BRUXELLES ULB VUB VRIJE UNIVERSITEIT BRUSSEL
BE CENTRAL

Supported by:

BRUSSELS HOOFDSTEDELIJK GEWEST
funded by innoviris .brussels
shifting economy .brussels
Co-funded by the European Union
hub .brussels our business is to help yours

sustAIn .brussels

# uent access to support
# om a local ecosystem

Test before invest

Skills and training

Support to find investments

Innovation ecosystem and networking

FARI AI FOR THE COMMON GOOD INSTITUTE BRUSSELS
ISIT Institute for Sustainable IT
THE SHIFTERS
GeSI ENABLING DIGITAL SUSTAINABILITY
BE IMPACT
le wagon
greenbizz .brussels WHERE SUSTAINABLE BUSINESS GROWS
paradigm .brussels
EDIH European Digital Innovation Hubs Network
Digitalcity .brussels
Beci
Technicity .brussels
BE PLANET!
EURO BELGIUM
imec istart
THE SHIFT
enterprise europe network
hub.brussels ncp.brussels your national contact point for Horizon Europe
LEAD
CLAIRE
</becode>
AI4Belgium
DIGITAL GREEN GOES
VBO FEB Verbond van Belgische Ondernemingen Fédération des Entreprises de Belgique
CAMPUS
bruxelles environnement leefmilieu brussel .brussels

# RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

beEU

Flanders State of the Art

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission

# CitCom.ai
# Crash-testing AI for Cities and Communities

Martin Brynskov
Technical University of Denmark (DTU)
& Open & Agile Cities and Communities (OASC)

CitCom.ai TEF lead and coordinator

RESEARCH TO REALITY

# STATUS

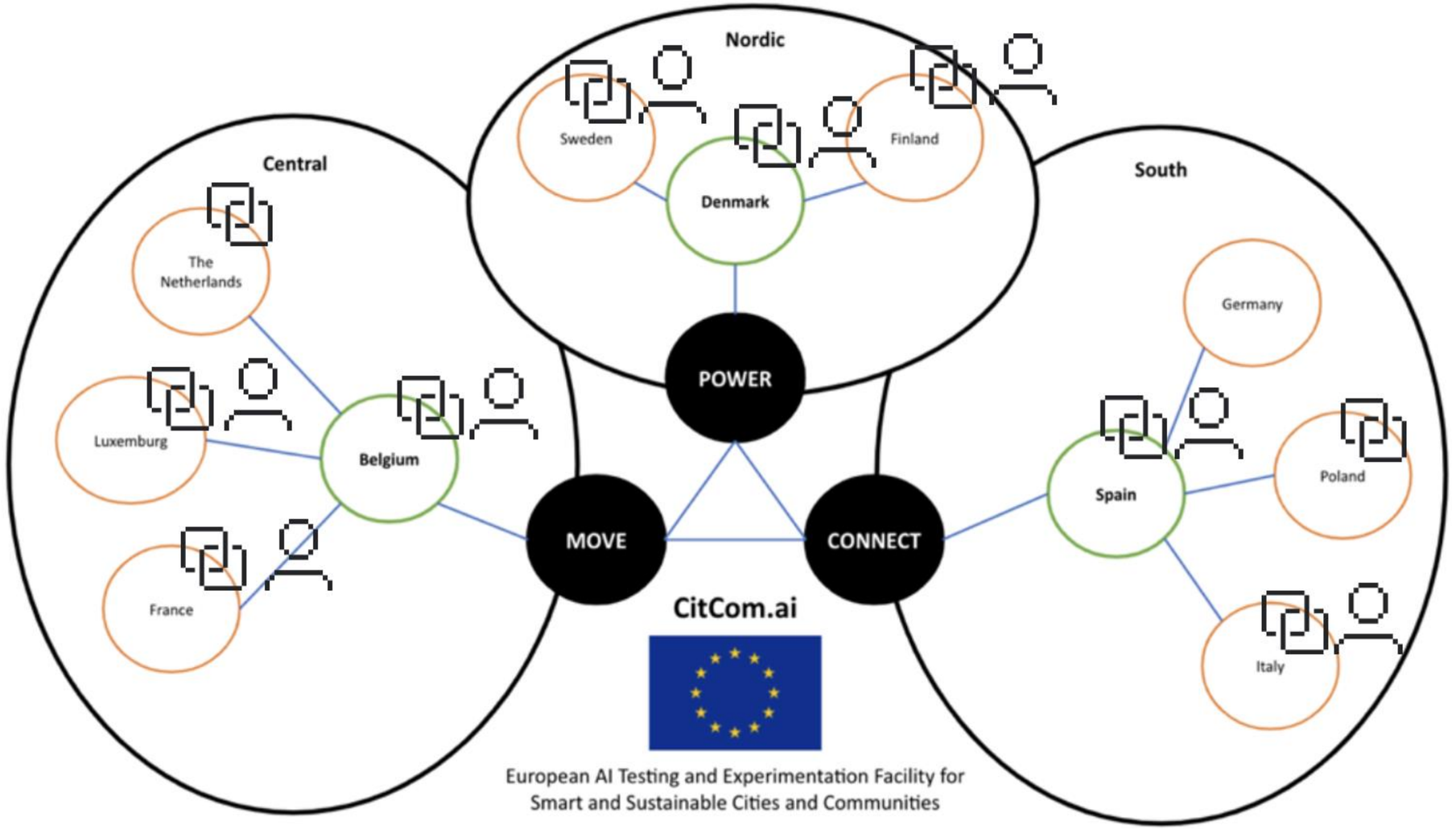
3 SUPERNODES

11 NODES

16 TEF SITES

29 TESTING ZONES

132 INITIAL SERVICES

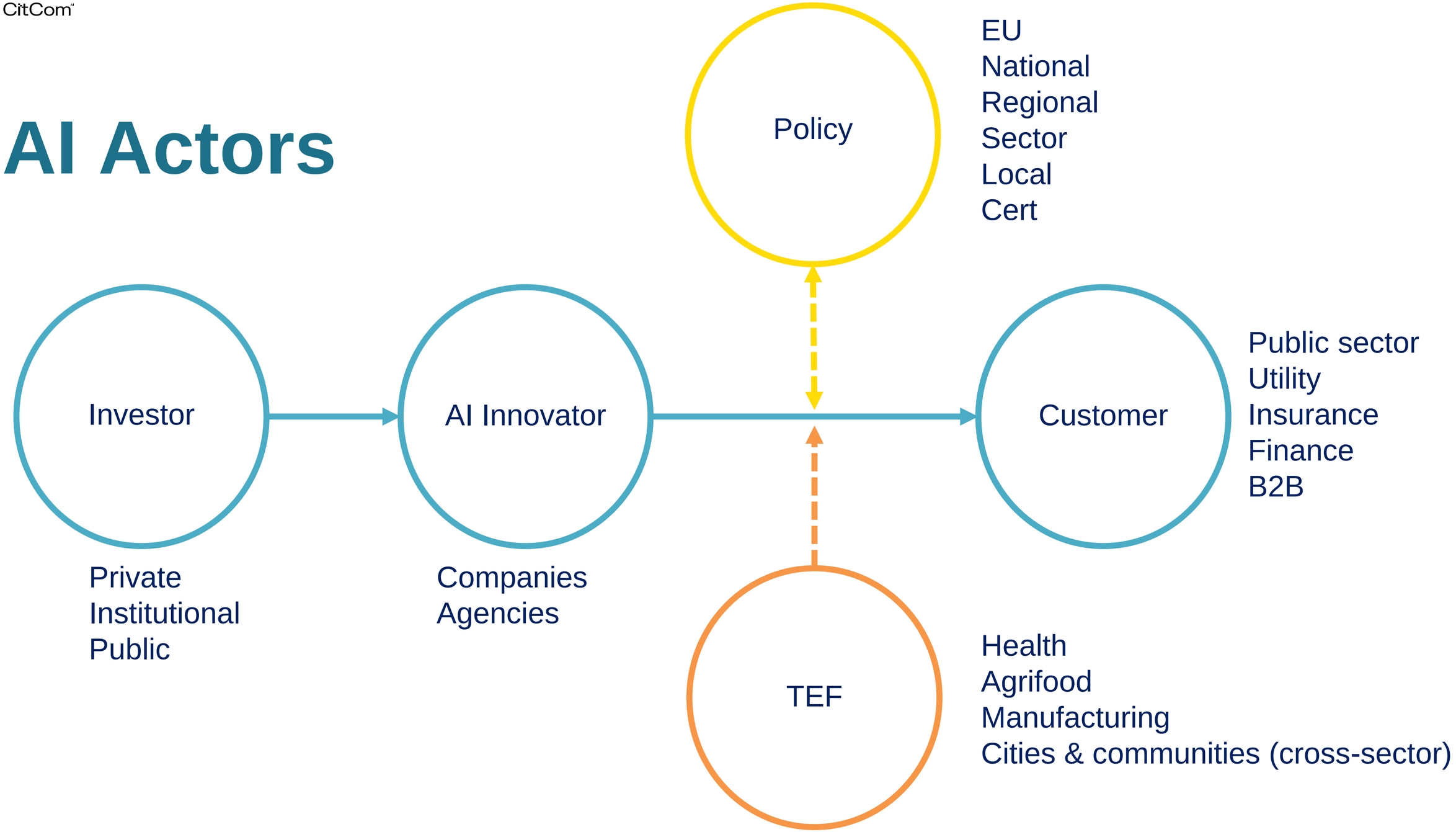



Customer interest

Service ready

CitCom

# AI Actors



# RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

beEU

Flanders State of the Art

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission

# FactoryXChange

## Manufacturing Digital Transformation

The European Digital Innovation Hub
for Manufacturing in Ireland

#XMarksTheSpot

RESEARCH TO REALITY

# FactoryXChange

Manufacturing Digital Transformation

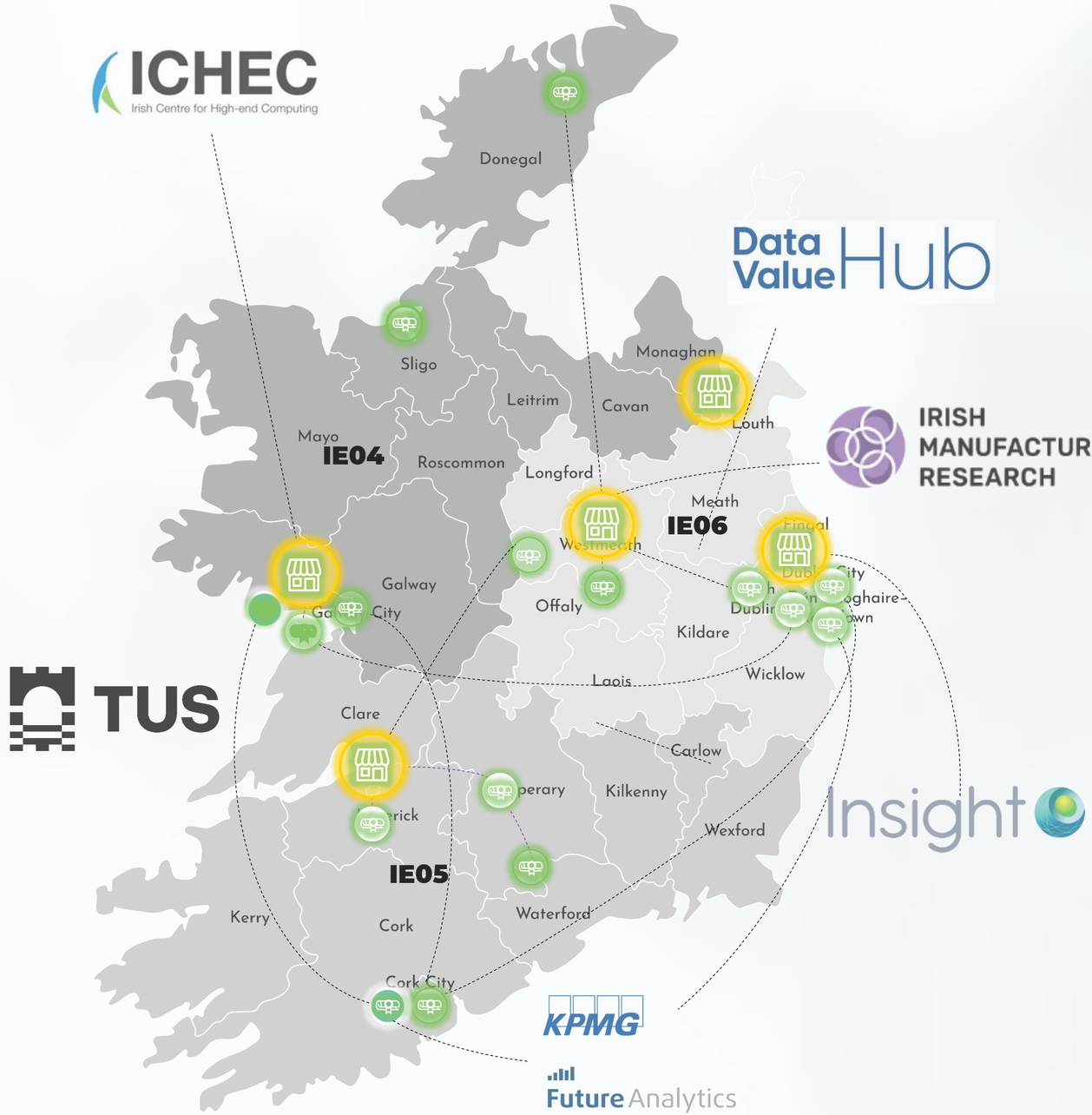
The European Digital Innovation Hub
for Manufacturing in Ireland

#XMarksTheSpot

The overall objective of FXC is to become a one-stop-shop with impact, that responds to customer needs in a fast flexible manner, removing financial and operational barriers, by disrupting the way we make things through digital innovations and knowledge exchange.

# Manufacturing digital transformation by embracing ecological, digital and societal challenges.

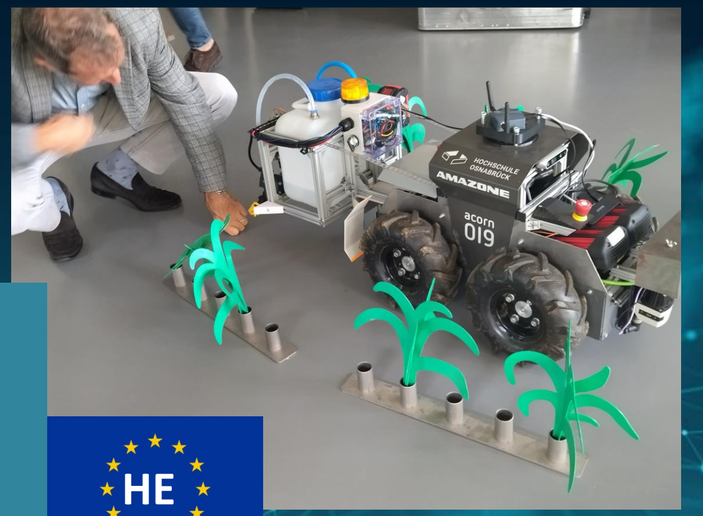
By connecting with our people and platform, we ignite digital success and innovation for businesses.



# Visit www.FactoryXChange.ie

- Digital Strategist
- Digital Services
- Digital Maturity
- Digital XChange

# TEF agrifood




**Bring innovation from the clouds of geeks' world…**

HE

**…down to the Earth of farmers' land**

DEP

## Partners

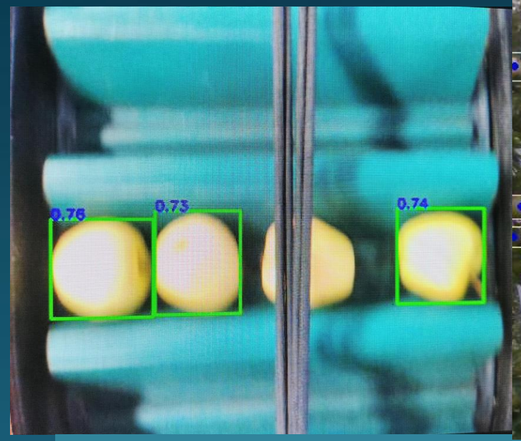
FONDAZIONE BRUNO KESSLER · DFKI German Research Center for Artificial Intelligence · ILVO Flanders Research Institute for Agriculture, Fisheries and Food · WAGENINGEN UNIVERSITY & RESEARCH · JRC · INRAE · POLITECNICO MILANO 1863 · Inria · Lukasiewicz Poznański Instytut Technologiczny · Wielkopolski Ośrodek Doradztwa Rolniczego w Poznaniu · PSNC · FONDAZIONE EDMUND MACH · RISE · UNIVERSITÀ DEGLI STUDI DI MILANO · ENGINEERING · LNE · acta · idele · ARVALIS · IFV · AstaZero · HOCHSCHULE OSNABRÜCK · AGRICULTURES & TERRITOIRES · RAUMBERG GUMPENSTEIN RESEARCH & Y DEVELOPMENT · AGROTECH VALLEY · Universitat de Lleida · UNIVERSIDAD DE CÓRDOBA · gradiant · AXENCIA GALEGA DA CALIDADE ALIMENTARIA · CEP · agrotecnio · PARC AGROBIOTECH LLEIDA · hispatec agrointeligencia

RESEARCH TO REALITY

beEU · Flanders State of the Art · Wallonie service public SPW · innoviris .brussels we fund your future · European Commission

# TEF Services

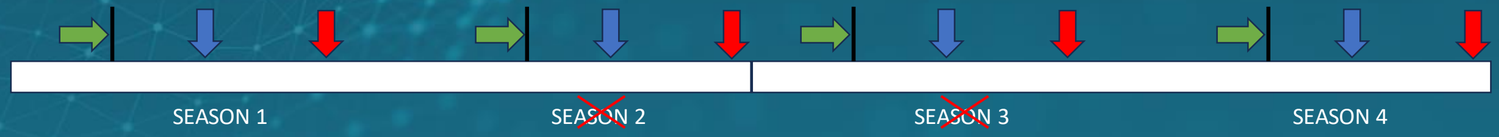
## 1. Benchmarking and improvement of Robotics




## 2. Field performance of AI for production control

## 3. Help valorise digi-agri data

PLAN
ACTION
RESULTS




beEU

Flanders State of the Art

RESEARCH TO REALITY

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission

# RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

beEU

Flanders State of the Art

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission

# *AI* in *MA*nufActuring *T*es*T*ing and *E*xpe*R*imentation facilities for European *S*MEs

# AI-MATTERS

# The Manufacturing TEF

*Valentina Ivanova*

RESEARCH TO REALITY

# AI-Matters Network – 25 beneficiaries

7 Nodes  1 Satellite

Brainport Industries

TNO innovation for life

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

Fraunhofer

ARENA2036

PTB Physikalisch-Technische Bundesanstalt National Metrology Institute

Universität Stuttgart

Network coordinator

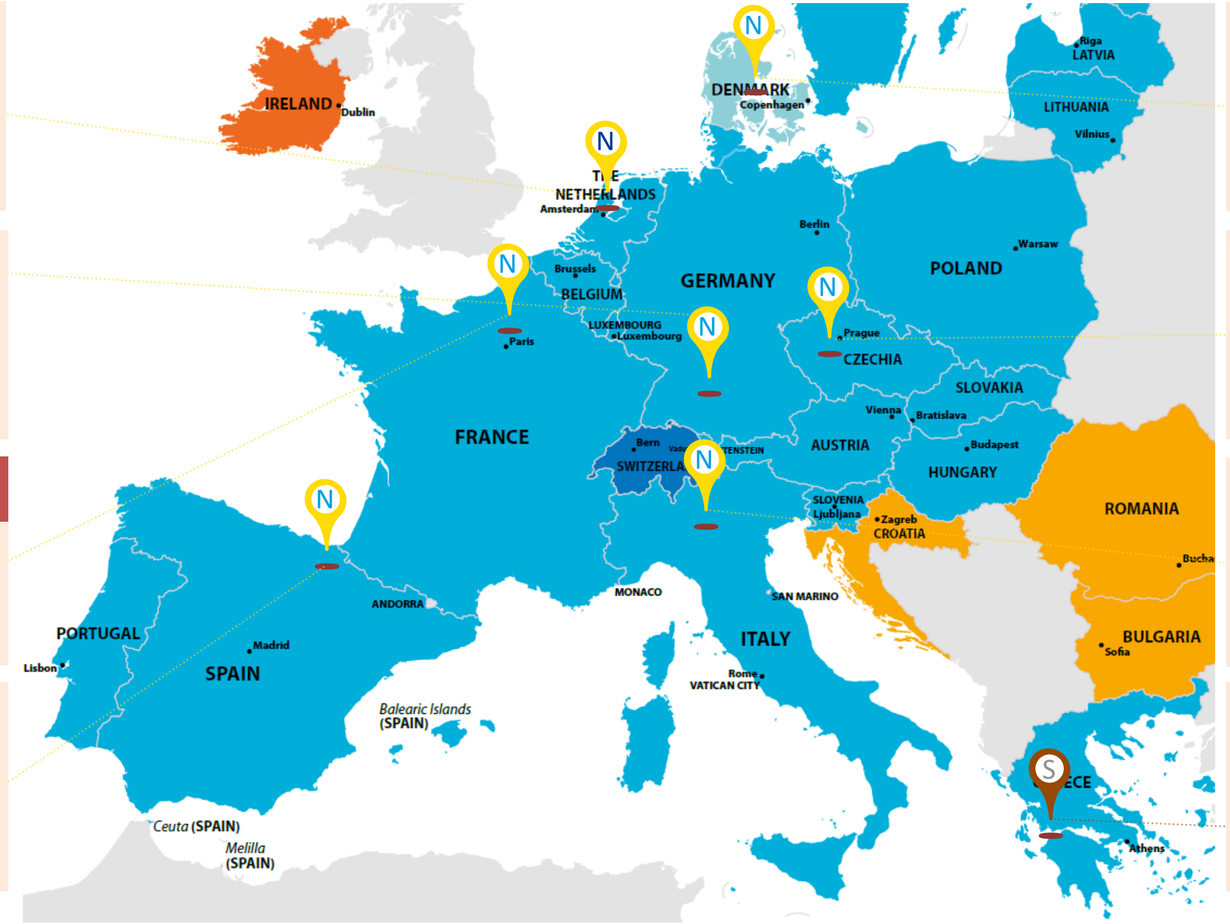
cea list

tecnalia MEMBER OF BASQUE RESEARCH & TECHNOLOGY ALLIANCE

aimen TECHNOLOGY CENTRE

AFM MACHINE TOOL MANUFACTURERS AFM CLUSTER

ITAINNOVA INSTITUTO TECNOLÓGICO DE ARAGÓN




DANISH TECHNOLOGICAL INSTITUTE

ODENSE robotics

ALEXANDRA INSTITUTTET

FORCE TECHNOLOGY

CZECH INSTITUTE OF INFORMATICS ROBOTICS AND CYBERNETICS CTU IN PRAGUE

VSB TECHNICAL UNIVERSITY OF OSTRAVA

BRNO UNIVERSITY OF TECHNOLOGY

CEITEC Central European Institute of Technology BRNO | CZECH REPUBLIC

MADE Competence Center I4.0

FONDAZIONE BRUNO KESSLER FUTURE BUILT ON KNOWLEDGE

ENGINEERING THE DIGITAL TRANSFORMATION COMPANY

LMS Laboratory for Manufacturing Systems & Automation

Teaching Factory

# About AI-Matters

AI-Matters is a network of seven nodes and one satellite aiming at increasing the resilience and the flexibility of the European manufacturing sector through the deployment of the latest developments in AI and robotics, and intelligent, autonomous systems for flexible production.

Coordinated by CEA from the Paris-Saclay innovation ecosystem, AI-Matters brings together a consortium of major R&I organizations from eight European countries (Germany, Italy, The Netherlands, Czech Republic, Greece, Spain and France) including 25 beneficiaries.

All consortium members bring their expertise in manufacturing for different sectors such as automotive, space and mobility, textile, recycling, etc.

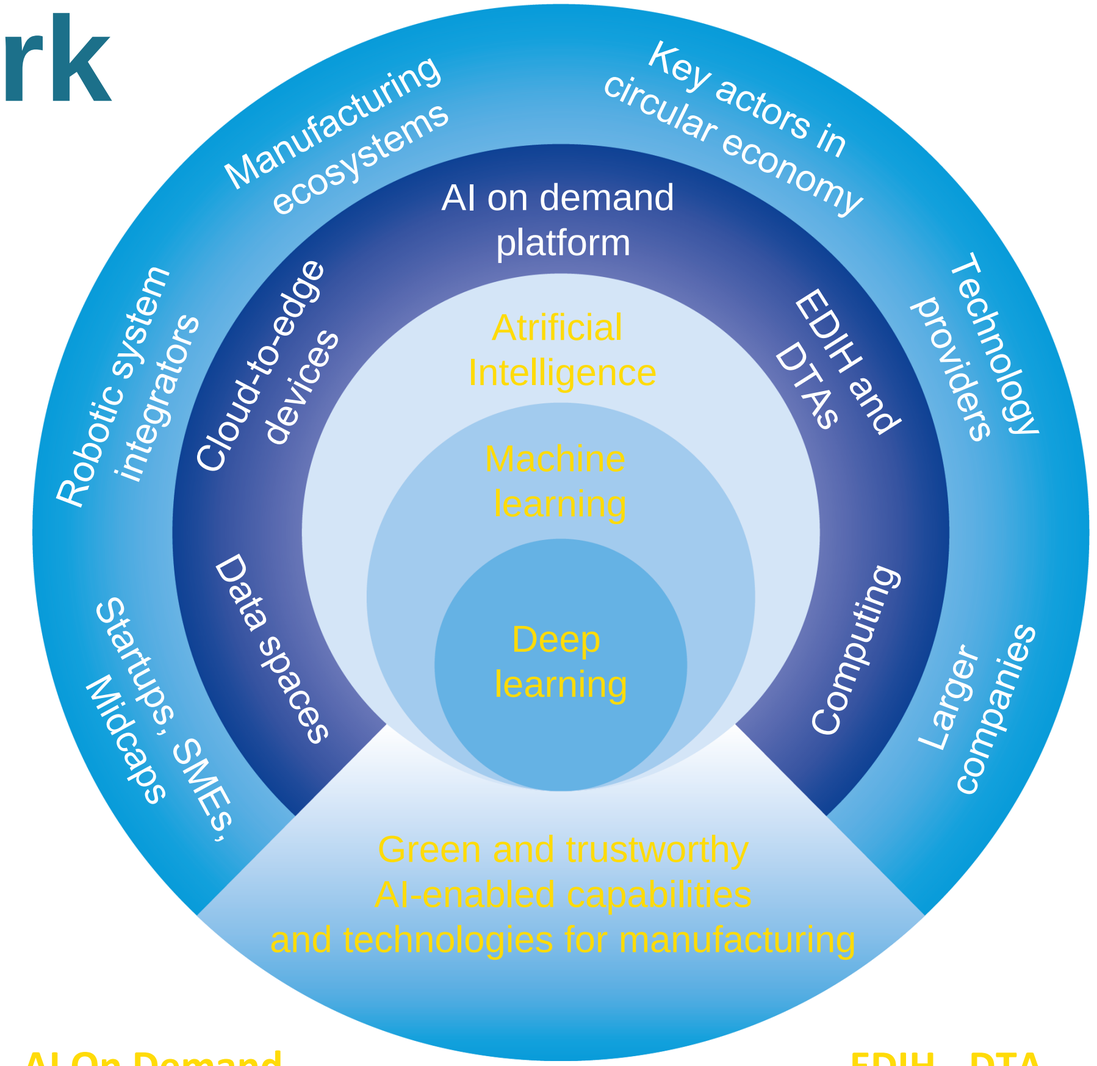
AI-Matters offers its customers an extensive service catalogue spanning the topics above that evolves through continuous updates as needs and expectations of the European manufacturing industry progress.

# The AI-Matters Network

The node-satellite-level-ecosystems work in a cohesive collaborative framework for sharing of knowledge, experiences, good practices, lessons learned, regulatory and ethics implications and operational quality assurance schemes.

Nodes-satellite are rooted in their regional innovation ecosystem and draw from their regional networks to develop and provide services to applicants from all of Europe through direct responses and transversal support.

These existing regional networks are key to the AI-Matters ability to provide a wide range of




**AI On Demand Platform (ai4europe.eu)**

**EDIH - DTA**

xTEF

BRINGING RESPONSIBLE AI TO EUROPE AND THE WORLD

# RESEARCH TO REALITY

DIGITAL SOLUTIONS TO EUROPEAN CHALLENGES

beEU

Flanders State of the Art

Wallonie service public SPW

innoviris .brussels we fund your future

European Commission