

4 - 5 DEC. 2024

20 YEARS
OF EUROPEAN PARTNERSHIPS

**EUROPEAN
PARTNERSHIP
STAKEHOLDER
Forum 2024**

BLUE POINT | BRUSSELS

**EUROPEAN
PARTNERSHIPS
CLUSTER 1: HEALTH**



Global Health EDCTP3 Joint Undertaking

The African and European research partnership on infectious diseases



Purpose: Accelerate the development of medical solutions for poverty-related infectious diseases.



Focus: Support clinical research (phases I-IV) and innovation for existing and emerging infectious diseases prevalent in sub-Saharan Africa.



Partnership: A true equal partnership between governments, research institutions, and industry in European and African countries.



Capacity Building: Strengthen research capacity, local institutions, ethics and regulatory frameworks in sub-Saharan Africa.



Impact Goal: Improve health outcomes, health systems and security, and advance global health SDGs.



Global Health EDCTP3 Joint Undertaking

The African and European research partnership on infectious diseases



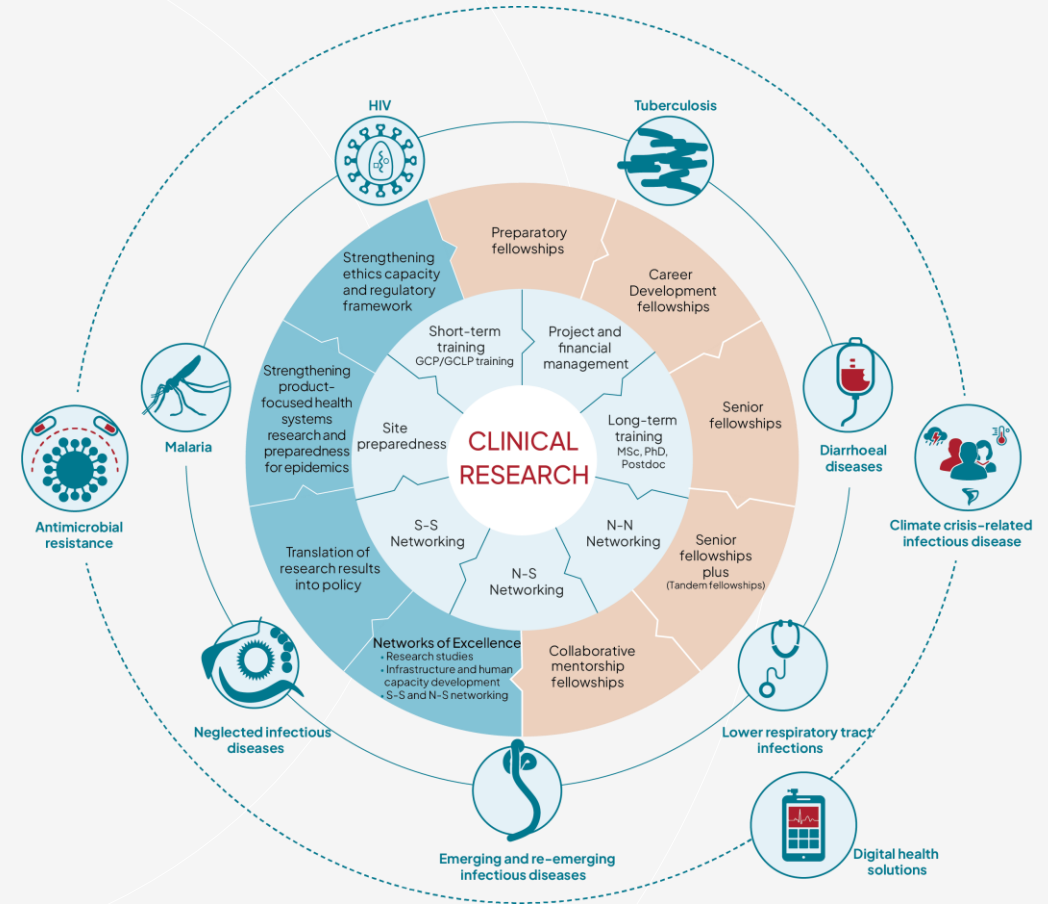
We focus on the **major infectious disease threats** faced by sub-Saharan Africa.

We tackle all stages of clinical evaluation with particular focus on **late-stage development** and **vulnerable populations**.

We work to strengthen and build **research capacities** in sub-Saharan Africa.

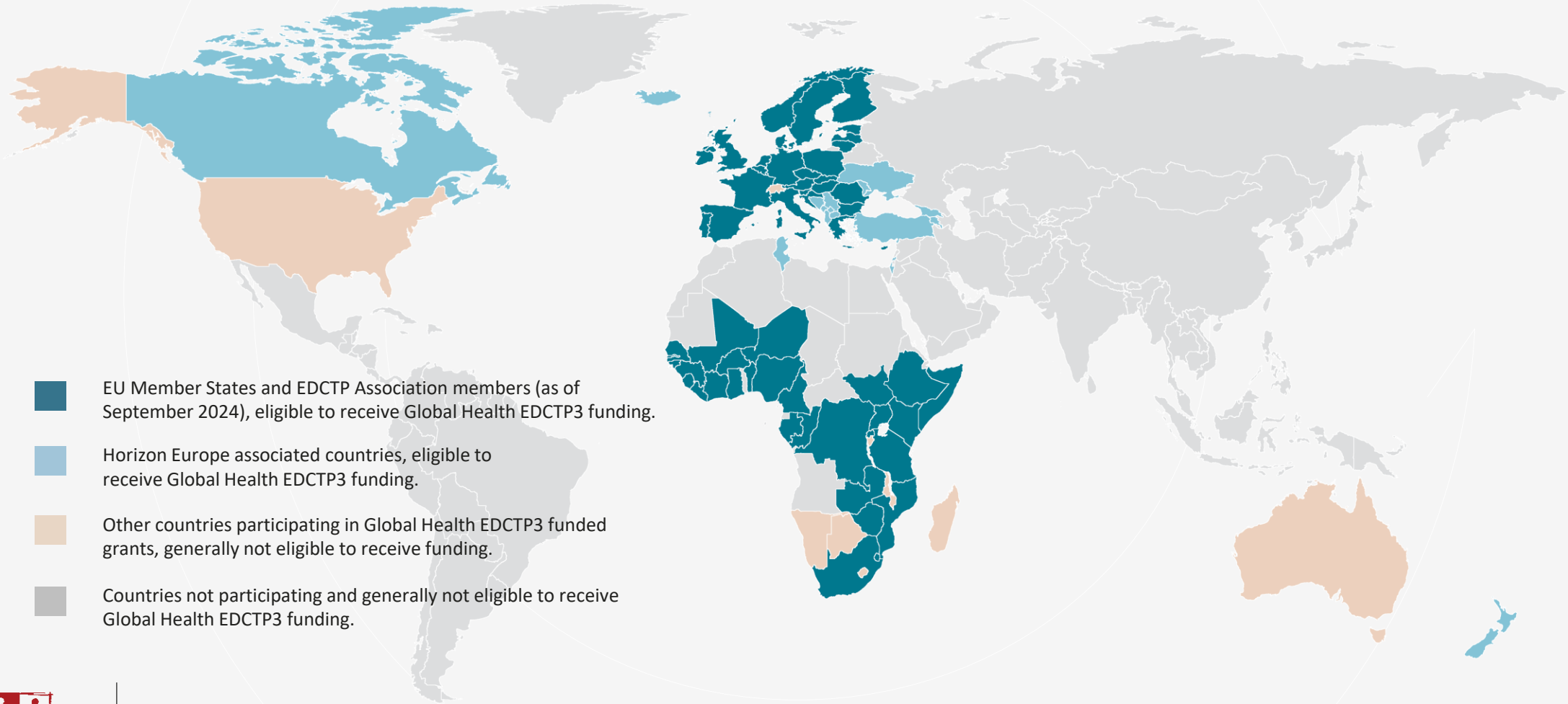
We operate with a current budget of **€ 1.86 billion**.





We currently support **74 projects** implemented by partnerships between **307 organisations** across **56 countries**.



Opportunities for collaboration

Participation and eligibility under Global Health EDCTP3 Joint Undertaking



-  EU Member States and EDCTP Association members (as of September 2024), eligible to receive Global Health EDCTP3 funding.
-  Horizon Europe associated countries, eligible to receive Global Health EDCTP3 funding.
-  Other countries participating in Global Health EDCTP3 funded grants, generally not eligible to receive funding.
-  Countries not participating and generally not eligible to receive Global Health EDCTP3 funding.

IHI, a public-private partnership

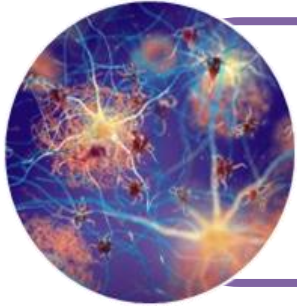
between the **European Union** represented by the European Commission and **Healthcare industry** associations



Every IHI project is formed by a **collaborative public-private partnership** consortium reflecting the integrative and cross-sectoral nature of the partnership.

Data export 12.09.2024

IHI aims to...



Deliver safe, effective health innovations that cover the entire spectrum of care, particularly in areas where there is an unmet public health need



Turn health research and innovations into **real benefits for patients and society**



Make Europe's health industries **globally competitive**

Step in IHI opportunities!

- Calls for proposals – Official launch in January 2025
 - ✓ Call 9 – a single-stage, **applicant driven call** with **5 topics** aligned with the five specific objectives of the IHI research agenda
 - ✓ Call 10 - two-stage call with **3 topics** under consideration: **Digital labelling, Secondary use of data, PFAS**
- Shape our future research – Continuously
 - ✓ Send us ideas **aligned with the IHI research agenda** and **requiring a cross-sectoral public-private collaboration**





Partnership
FOR THE
Assessment
OF
Risks
FROM
Chemicals

Consolidating and strengthening the EU's research and innovation capacity for chemical risk assessment to protect human health and the environment



Website : www.eu-parc.eu
Email: parc@anses.fr
Coordinator: Pascal.Sanders@anses.fr
Deputy Coordinator:
Christophe.Rousselle@anses.fr



Co-funded by
the European Union



What is PARC?

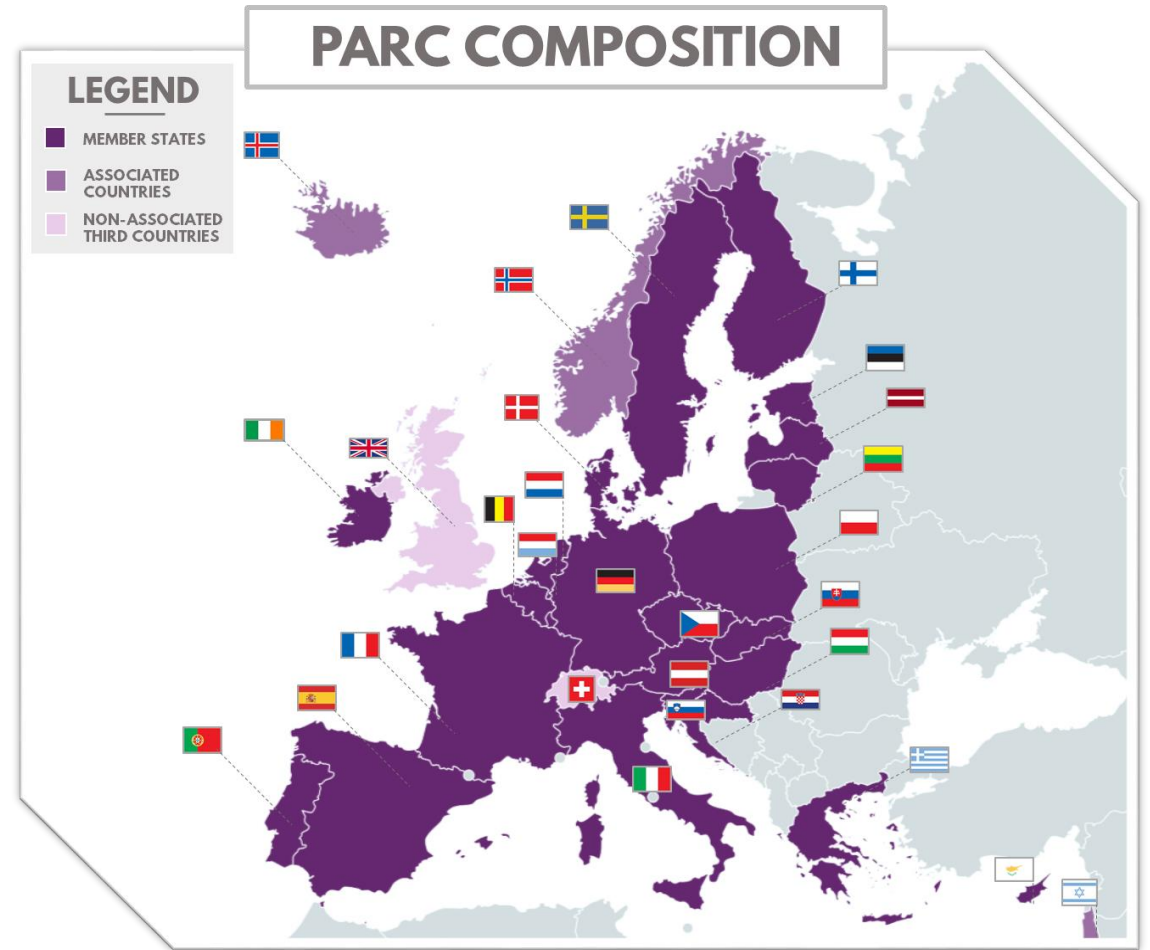


Partnership
FOR THE
Assessment
OF
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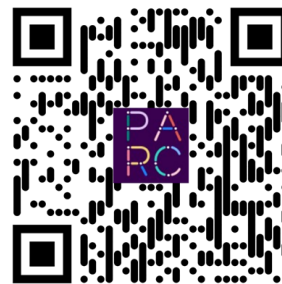
is a **public-public partnership** working for the benefit of human health and the environment by developing better chemical risk assessment and supporting the implementation of research and innovation in society.

9 Work Package (WP)s
2022 – 2029
€400 million budget

29 countries
>200 organisations
3 EU Agencies



Co-funded by
the European Union



Scan to take "A Walk in the PARC"
and learn more about our work

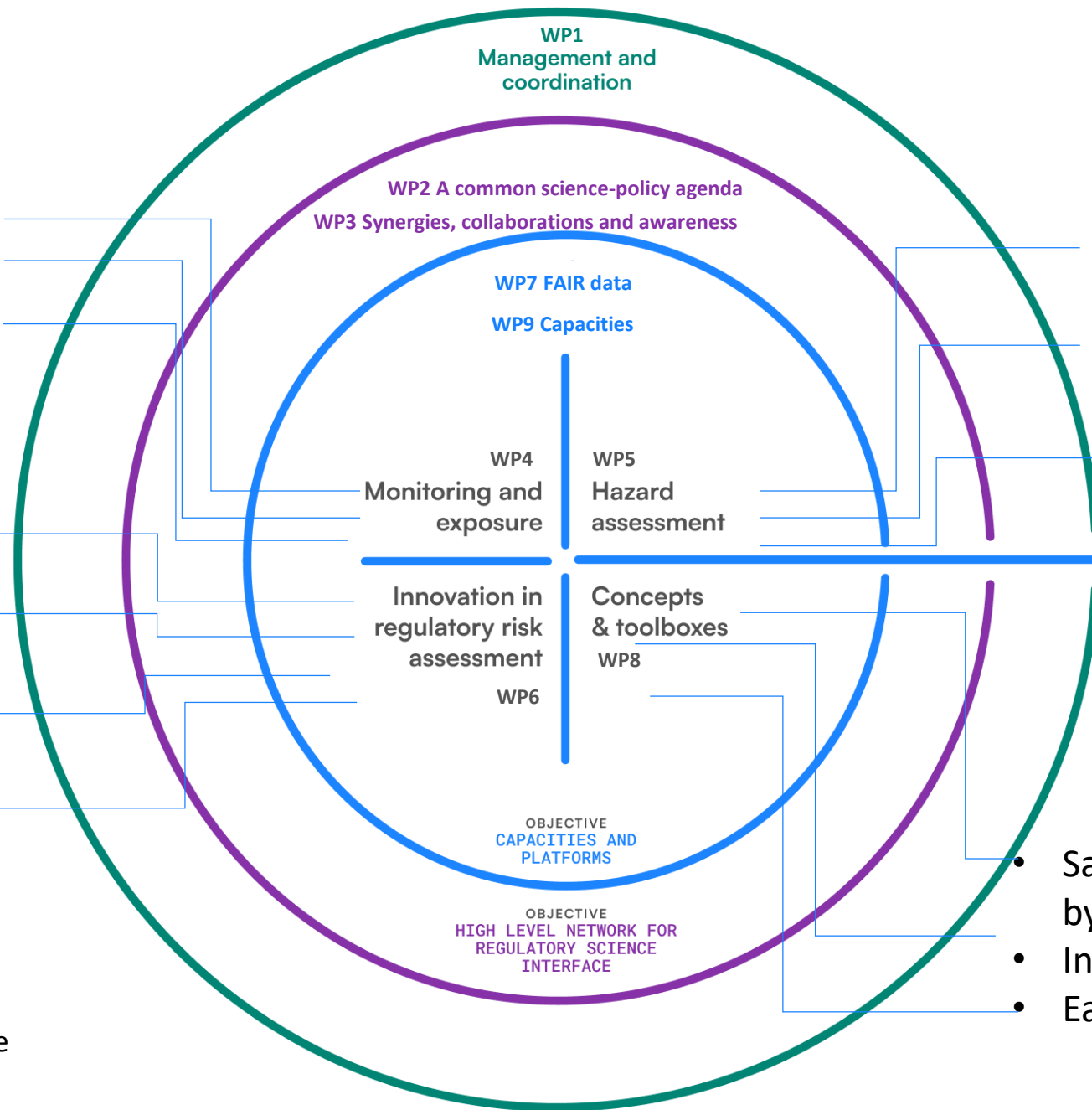
PARC Activities

- EU Human Biomonitoring
- Environmental Monitoring
- Innovative Sampling & Analysis

- Integrated Approaches for Testing & Assessment
 - Integrated Exposure & Risk Assessment
 - Inter-regulatory Silo Analysis
- Improving Regulatory Uptake of New Risk Assessment Methodologies



Scan to Subscribe and receive our monthly Science Digest



- Adverse Outcome Pathways
- New Approach Methodologies
- Data gaps filling

OBJECTIVE
RESEARCH & INNOVATION
TOWARDS NEXT GENERATION
RISK ASSESSMENT

- Safe-and-Sustainable-by-Design
- Integrative Modelling
- Early Warning System

ERA4Health Partnership: Who we are

The ERA4Health consortia, including 37 Partners from 24 countries, fosters European collaborative research funding by creating a flexible funding body for joint programming in priority areas addressing European Public Health Needs:

- cardiovascular diseases,
- nutrition and life-style related diseases,
- nano and advanced technologies,
- prevention and public strategies...

Coordination: Institute of Health Carlos III, Spain



ERA4Health Partnership: What we do

JOINT TRANSNATIONAL CALLS

HealthEquity

“Increasing health equity through promoting healthy diets and physical activity” (JCS:DLR)



10 funded projects with 13M€

CARDINNOV

“Research targeting development of innovative therapeutic strategies in cardiovascular disease” (JCS: ANR)



17 funded projects with 19M€

NutriBrain

“Modulation of brain ageing through nutrition and healthy lifestyle” (JCS:MUR)



15 funded projects with 20M€

NANOTECMC

“Nano and advanced technologies for disease prevention, diagnostic and therapy” (JCS:ANR)



19 funded projects with 19M€

ADDITIONAL ACTIVITIES: Supporting Framework for Multinational Investigator-Initiated Clinical Studies, Capacity Building, Synergies, Responsible Research and Innovation, Early Career Network, etc

Future steps: funding of multinational Investigator-Initiated Clinical Studies

OPEN CALL EffecTrial: “Fostering Pragmatic Comparative-Effectiveness Trials in Non-communicable Diseases”

EffecTrial 2025

Now Open!

“Fostering Pragmatic Comparative-Effectiveness Trials in Non-communicable Diseases”

#EffecTrial_E4H



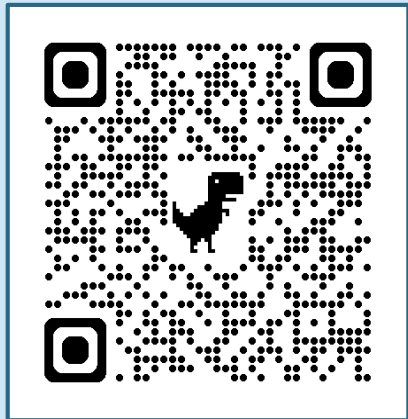
Co-funded by the European Union

- Pragmatic randomised interventional comparative effectiveness trials
- Compare the use of currently approved healthcare interventions either to each other or to the current **standard of care**.
- **Healthcare interventions** (diagnostic, screening, prevention and treatment interventions), pharmacological or non-pharmacological (e.g. nutrition, surgery, use of medical devices, eHealth...)
- High public relevance only in the fields of these **specific diseases** (potentially including related comorbidities):
 - o Cardiovascular diseases
 - o Metabolic disorders
 - o Nutrition and lifestyle-related diseases
 - o Non-communicable respiratory diseases

Further information in our website: <https://era4health.eu/>



EU Partnership Transforming Health and Care Systems



Discover our website

The European Partnership on transforming health and care systems (THCS) is a **Cofund action** under the Horizon Europe Programme designed to **support coordinated national and regional research and innovation programmes along with capacity building, networking, dissemination and other key activities to support health and care systems transformation.**



Discover our SRIA

Funded by the European Union under the Horizon Europe Framework Programme - Grant Agreement N°: 101095654. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Health and Digital Executive Agency (HADEA). Neither the European Union nor the granting authority can be held responsible for them.



Co-funded by the European Union

JTC 2023 “Healthcare of the Future”



To provide the necessary knowledge to build the health and care of the future and support the implementation of innovative solutions on a larger scale.



> 30 millions €



36 funders

JTC 2024 “Innovate to Prevent”



To support the implementation of innovative person-centred health and care models addressing prevention strategies, with the key help of existing IT and digital technologies and services, as well as existing and emerging data.



> 34 millions €



31 funders

JTC 2025 “Better care closer to home”



To fund research and innovation projects that strengthen primary and community health and care systems and provide policy and decision makers with the necessary knowledge and tools to govern the transitions needed in the primary and community care sector

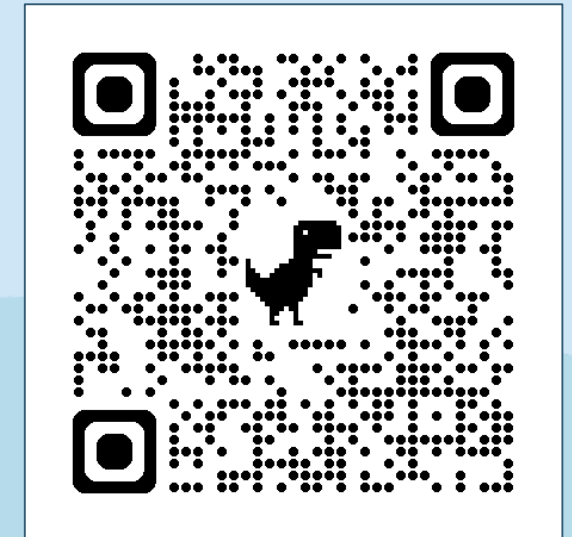


> 32 millions €

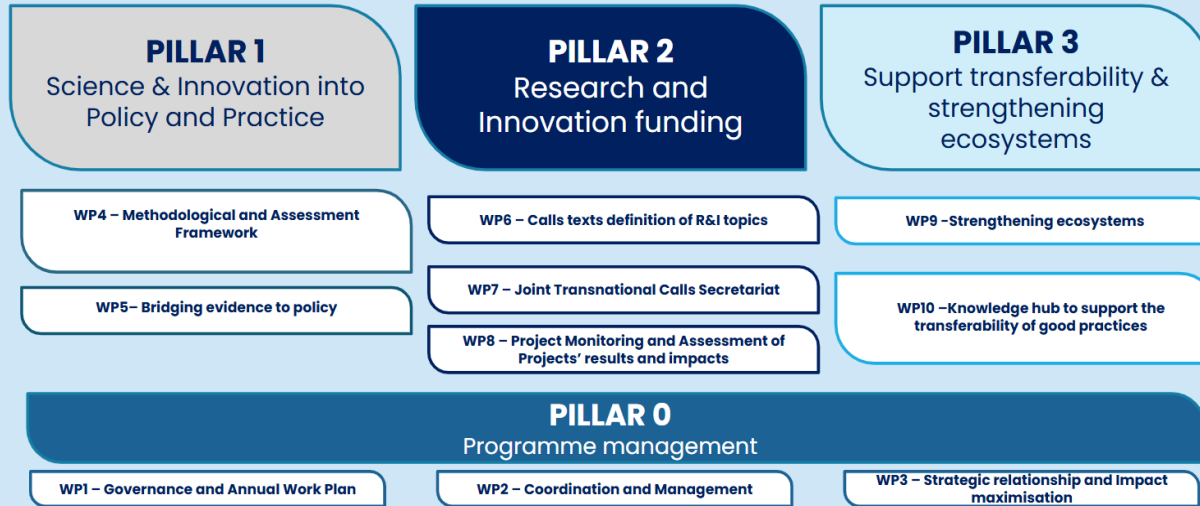


32 funders

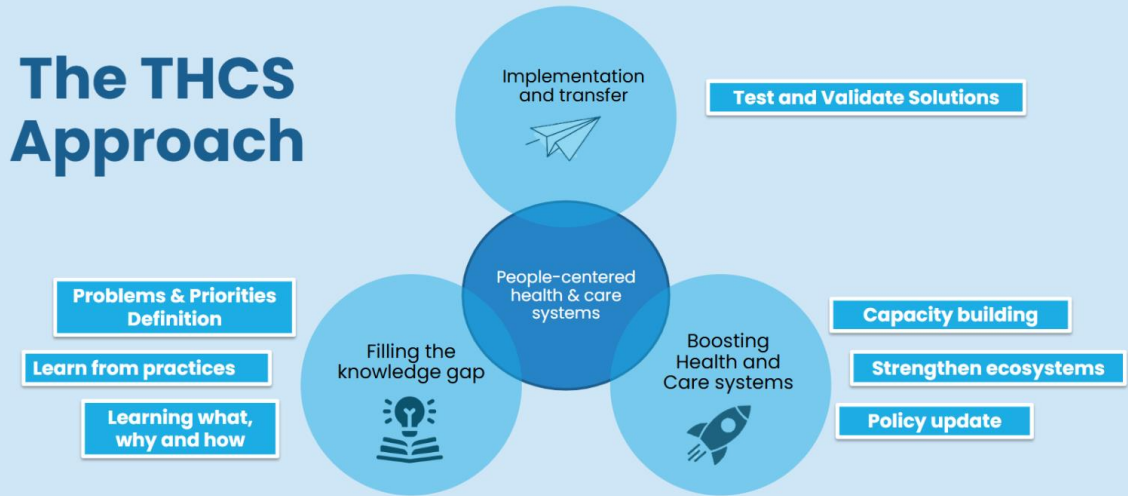
Discover the Impact
Assessment of the Joint
Transnational Call 2023



Pillars and Work Packages



The THCS Approach



Social and contacts



<http://www.thcspartnership.eu>



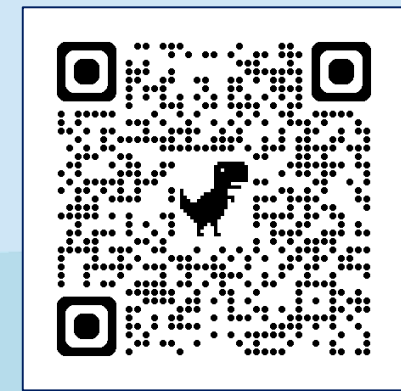
<http://www.linkedin.com/in/thcs>



coordination@thcspartnership.eu



Follow us on LinkedIn



Watch our Youtube Videos

The European Partnership for Personalised Medicine (EP PerMed)



Investment in
and support of
→
Personalised
Medicine



2023 - 2033
→



From 26 countries
and 11 regions

~275 Mio.€ from partners
~100 Mio.€ EU budget

7 years implementation
3 years transition phase

EP PerMed Main Activities*

Technology

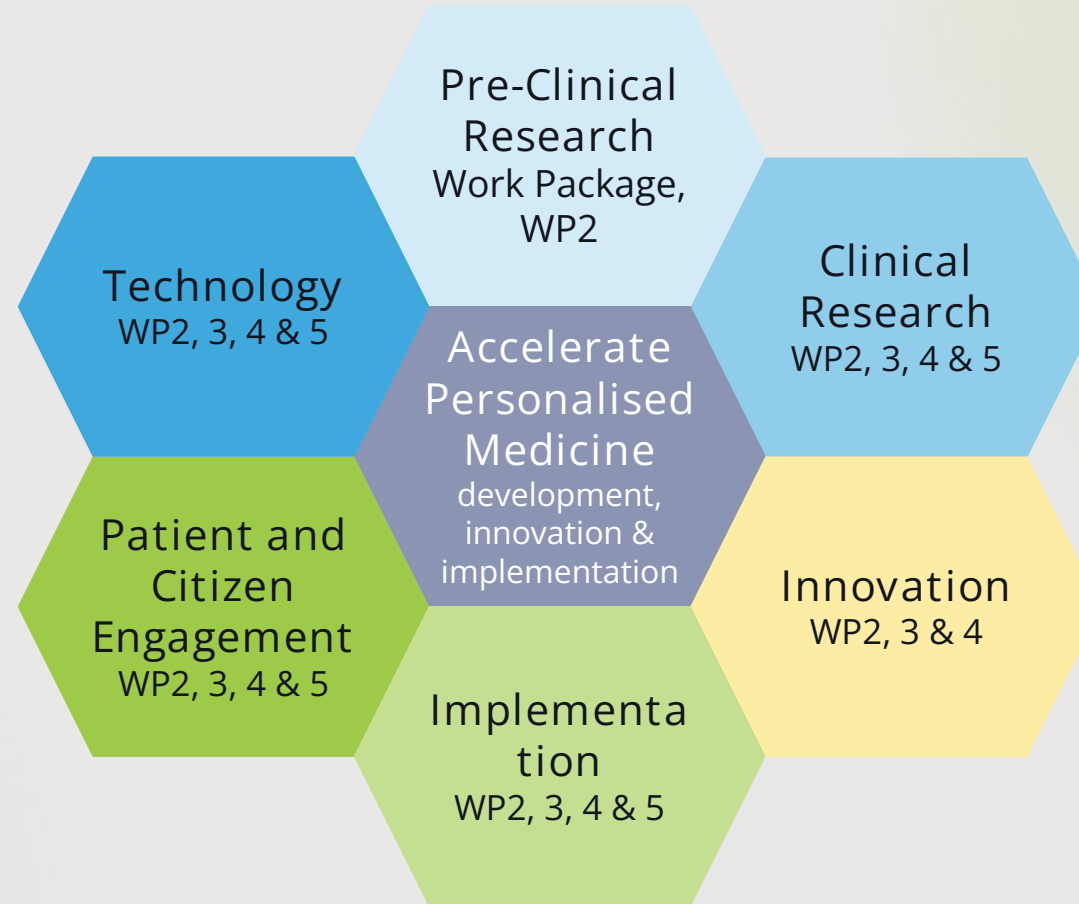
- Joint Transnational Calls
- Research Innovation and Technology Calls

Citizen Engagement

- funding of patient organisations
- Education Calls

Implementation

- Survey & Twinning Calls
- Best Practice Examples
- "In Situ" site visits
- Pilots



Research

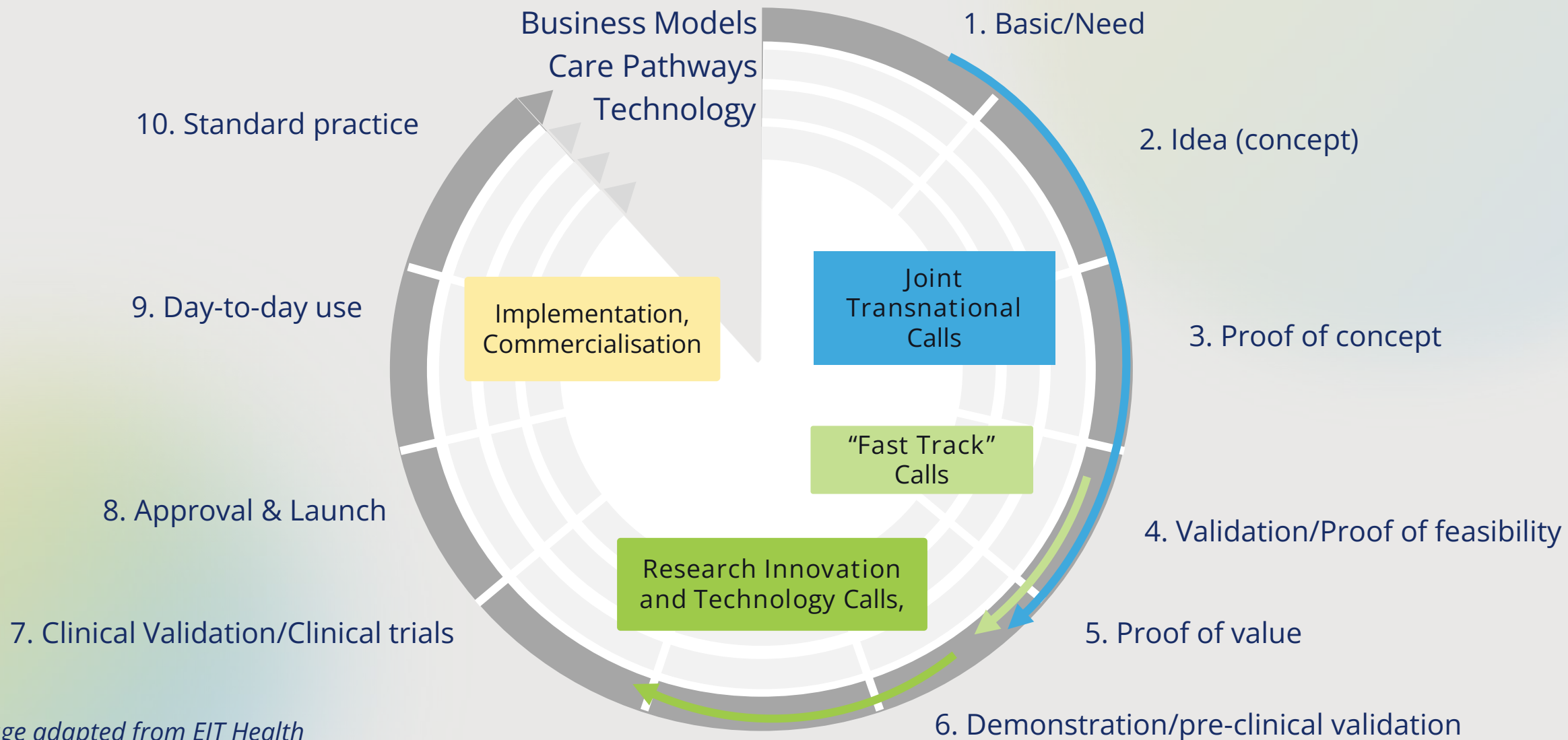
- Joint Transnational Calls
- Network Support Calls
- Matchmaking Events
- Data Base of projects

Innovation

- Research Innovation and Technology Calls
- "Fast Track" calls
- "Venture Creator" calls
- Matchmaking Events
- Summer schools
- Reverse Technology Transfer activities

* Activities in all WPs also include: Events, Mapping, SRIA updates, International and Regional Communication and Cooperation etc.

EP PerMed Calls support different steps in research, innovation and implementation



EUP OHAMR - European Partnership One Health AntiMicrobial Resistance

The vision of the EUP OHAMR is to reduce the burden of AMR.

This translates to improving the response to the threat of AMR by reducing the spread of AMR in humans, animals and the environment through an integrated OH approach, and by increasing the number of effective treatment options available



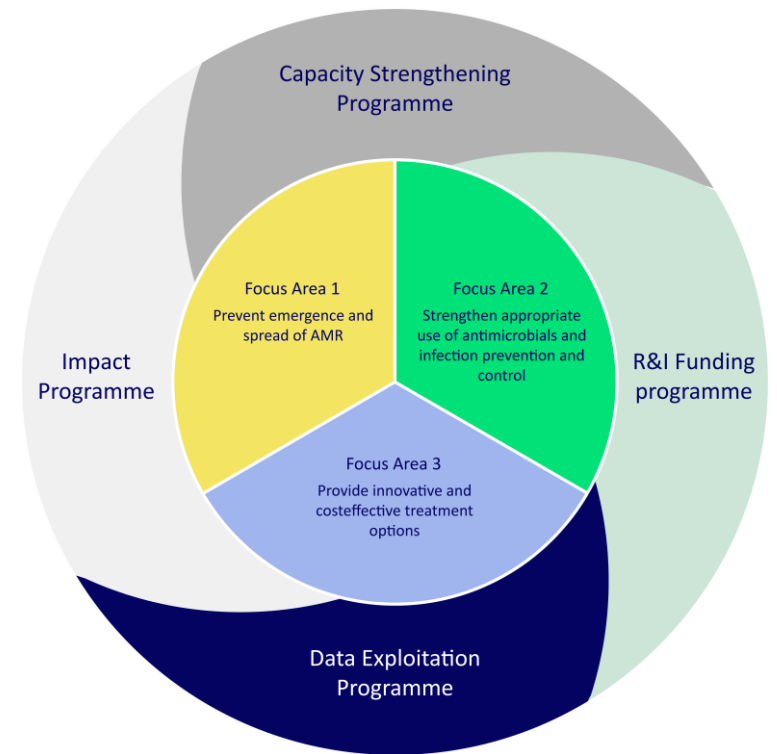
Form: European Co-funded Partnership
Lead EC: DG RTD

Coordinator: The Swedish Research Council
Consortium: 50 partners from 28 countries

Launch: May 2025

Overarching programmes of the EUP OHAMR

- **The R&I Funding programme:** to support financially AMR R&I through calls
- **The Capacity Strengthening Programme:** to support training, networking and collaboration across disciplines, sectors, countries and career stages
- **The Data Exploitation Programme:** to facilitate and promote access, sharing and (re) use of data and research infrastructure
- **The Impact Programme:** for knowledge mobilisation, to facilitate uptake of research results into products, practice and policy for maximum societal impact.



Resources and experiences to share with other partnerships

- EUP OHAMR WP2 (lead: DLR, DE) is dedicated to alignment, relations and synergies with AMR specific and AMR sensitive stakeholders, such as EU agencies, European Partnerships, Joint Actions, Public Private Partnerships, national action plans and programming and global collaborations.
- EUP OHAMR WP5 (lead: ZonMw, NL) will develop a FAIR-enabling research data management procedure for the projects funded by the partnership. A pilot study will demonstrate how FAIR research results can be analysed and further exploited with AI-methods beyond the partnership.
- For more information on EUP OHAMR and contact details



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CLUSTER 4: DIGITAL, INDUSTRY AND SPACE





The AI Data Robotics
Association





The AI Data Robotics
Association


adr-association.eu

Adra - Accelerating the
convergence of future **AI**,
Data, and **Robotics**
technologies to address
societies greatest challenges.

 adr-association.eu

 [@adra_eu_](https://twitter.com/adra_eu)

 [/company/adr-association/](https://www.linkedin.com/company/adr-association/)

 secretary-general@adr-association.eu



European
Commission

Co-Programmed
Partnership

Adra Association
Private Side



The AI Data Robotics
Association

CLAIRE



1.2 ADR Goals

The ADR Partnership is committed to contributing to the following high-level goals.

1

Boosting Europe's AI, data, and robotics industry, increasing its competitiveness and accelerating its digital and green transformation in accordance with the Digital Decade.

2

Achieving European strategic autonomy in AI, data and robotics.

3

Achieving global research impact in AI, data and robotics.

4

Maximising the societal and environmental benefits of AI, data and robotics to tackle major societal challenges on climate, food, energy, health, and security.

The MoU signed between Adra and the European Commission 2021

- Up to **1.3** billion euros of public investment by the European Commission (through Horizon Europe)
- Up to **1.3** billion euros of private investment through Adra

Enhancing European competitiveness and productivity

Strategic Research and Innovation Agenda (SRIDA)

- Vision (North Star) for Europe's Research and Innovation roadmap
- European ecosystem approach

High-impact pilots for industry: accelerating AI (software) – robot (hardware) convergence

- Sovereign Development of intelligent machines
- Control over full technology stack

Challenge-based (stage-gate) approach to grow champions

- Application discovery and quicker deployment
- Close gap between Research, Industry and end-user

Creating consonance across member states and ecosystems

- Overcome fragmentation in priorities, funding, and policy
- Achieving multi-level alignment of objectives



Creating a strong, coherent, and effective ecosystem for AI, Data, and Robotics



Maintaining and strengthening European industrial leadership in robotics and trustworthy AI



Integrating and connecting the European research landscape around AI, data and robotics



Developing a powerful strategy for skills development and attracting talent to Europe



Developing ADR technologies with high socio-economic impact to reinforce Europe's strong and globally competitive position



Ensure societal trust in data and robotics

AI, Data and Robotics:
Research, Innovation,
Deployment

**ADRA: SRIDA
(AI, Data and
Robotics)**

Playing into EU strengths

- Mechatronics and integration
- Edge and distributed computing
- Availability of application-specific data

Robotics: Research,
Innovation, Deployment

**ADRA:
European AI –
powered robotics
Strategy**

Bringing AI-powered robots to market (work in progress)

Filling in EU gaps beyond technology, how to organise R&D and finance the emergence of new industry players in Europe

- Overcoming EU ecosystem limitations in each key application area
- Dataspaces: where and how to close the loop with AI-powered robot development
- Building transverse challenge-based collaborations with supporting technologies
 - Track and drive progress / crystallise opportunities
- Limitations of national funding programmes vs. EU for cross-border robotics collaborations
- Accelerating entry into market : financing the different innovation stages
- Education and skills – from design to end user
- Role of standards and economic protective measures

Robotics: Strategic
research agenda

**ADRA:
GenAI for
Robotics policy
paper and
technology
roadmap**

**euROBIN:
[SRA](#)**

Photonics Partnership

4 & 5 December 2024

European Partnership Stakeholder Forum



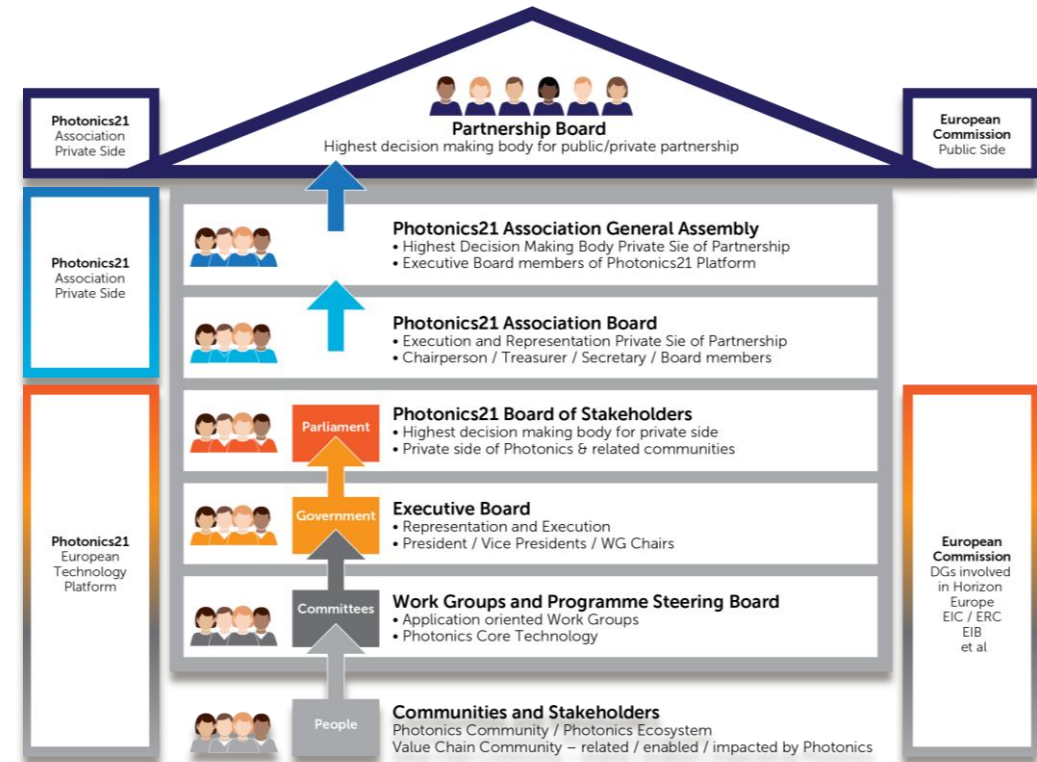
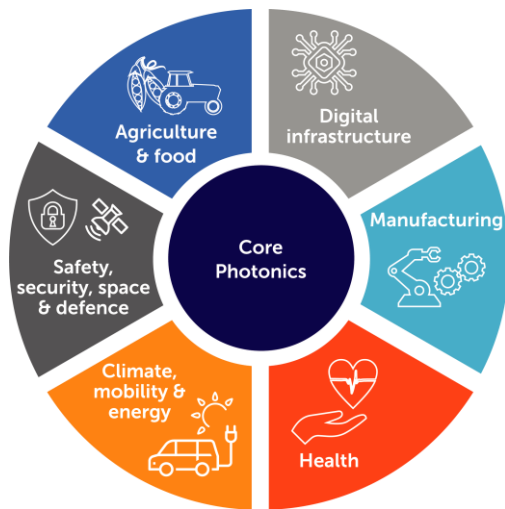
PHOTONICS²¹



Photonics21: Advises the European Commission

Positioning Photonics R&I call priorities

- More than 4000 members from industry, research and other organisations
- Since 2014 – Partnership with the EC in Framework Programmes
- 7 Photonics21 Work Groups:





Photonics Partnership Milestones

Establishment of the Photonics Partnership under Horizon2020



Publication SRIA 2014-2020



Publication Vision Paper towards FP9



Publication of SRIA 2021-2027



Publication of SRIA Update 2021-2027



Signature of MoU with EC – Renewal of Partnership under Horizon Europe



Implementation of new Work Group structure



Publication of SRIA 2023-2030



Publication of Photonics Market Study



2013

2017

2019

2020

2021

2023

2024



Photonics Partnership Milestones

- Photonics21 submitted photonics call topics to the EC, leading to numerous Photonics Partnership calls in all Work Programmes under Horizon2020 & Horizon Europe
- Photonics21 published several Photonics Market Studies and Position Papers emphasizing the importance of photonics
- Each year the Photonics Partnership Annual Meeting offers a forum for discussion & exchange for the European photonics community and political representatives.

Contact: secretariat@photonics21.org

Website: www.photonics21.org; **X / LinkedIn:** Photonics21



View all publications

•ESTEP - European Steel Technology Platform

- Legal entity (AiSBL) : incorporation by 13 founders in March 2018
- Members more than 5-fold by 2024 : 70 members
- Open for organisations from EU + associated countries (steel producers, technology providers, plant builders, universities, research organisations, SMEs,...

•Clean Steel Co-programmed Partnership in the frame of Horizon Europe (HEU) in 2021 to 2027/2030

- Unique setting due to synergies of public financial pillars (HEU + Research Fund Coal+Steel)
- Memorandum of Understanding signed by ESTEP + European Commission (RTD+Grow)

•CSP-Budget: € 1.7 billion

- €350 million from Horizon Europe
- €350 million from assets of the ECSC* in Liquidation (source of RFCS funding)
- At least matched by steel sector (expected €1.000 million)

•Projects

- size: € 10-100 million
- Developments starting at TRL 6 to end up with TRL 8 (Technology Readiness Level)
exceptional start at 5 to end up with at least TRL 7
- 2 + 2 demonstrators showing CO₂ emission reduction potential of at least 50% (80%)



* ECSC=European Coal and Steel Community (grandfather of the EU)

3 Technology Pathways for decarbonization

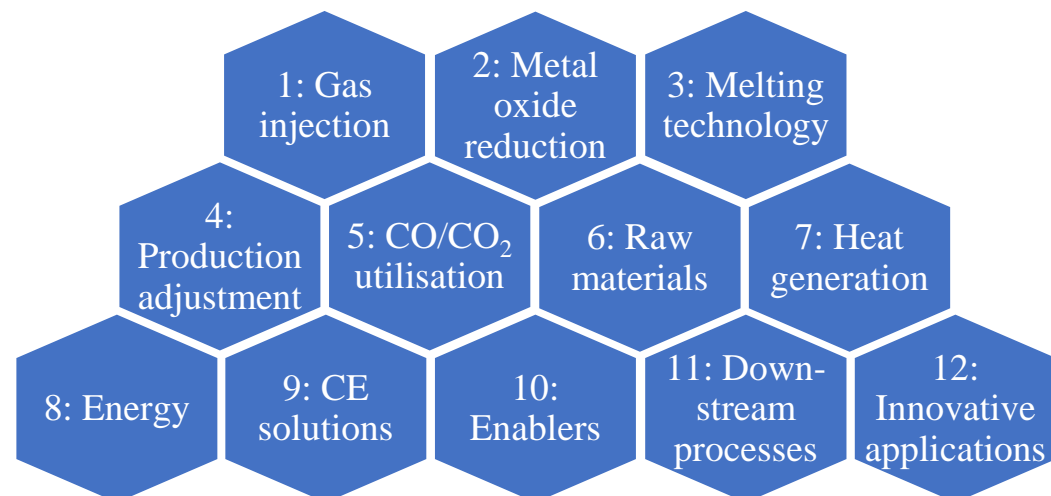
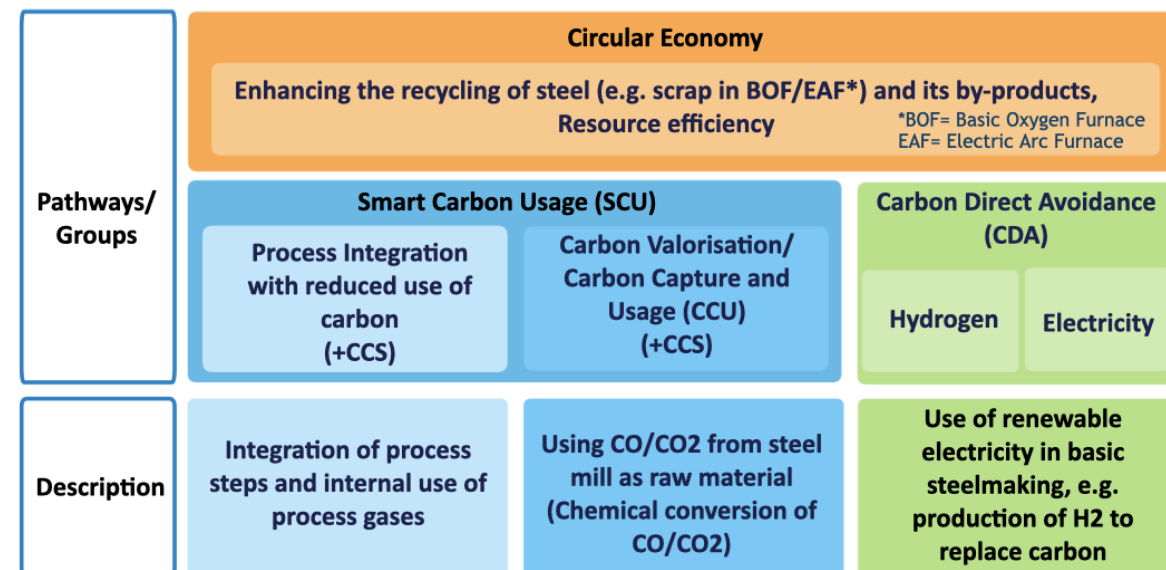
- Carbon direct avoidance (CDA)
- Smart carbon Usage (SCU)
 - Process Integration (PI)
 - Carbon, Capture, Storage, Utilization (CCUS)
- Circular Economy (CE)

6 Areas of Intervention

- Integrating Building Blocks into the 3 Pathways
- CDA, SCU-PI, SCU-CCUS, CE, combination
- Include enablers (Digitalisation + Social Innovation)

12 Building Blocks (BB)

- Bring to Technology Readiness Level 8 at large scale



PROJECT KEY FACTS

Max [H₂] DR

Maximise H₂ Enrichment in Direct Reduction Shaft Furnaces



GRANT AGREEMENT ID :
101058429



Hydrogen-based direct reduction as ground-breaking technology for climate neutral steelmaking



DURATION 4 YEARS

Start: 01 June 2022
End: 31 May 2026



BUDGET

Total cost :
4 476 585 €



FUNDED UNDER

Horizon Europe Clean Steel Partnership

COORDINATOR

SSSA - Suola Superiore di Studi Universitari e di Perfezionamento Sant'Anna (IT)

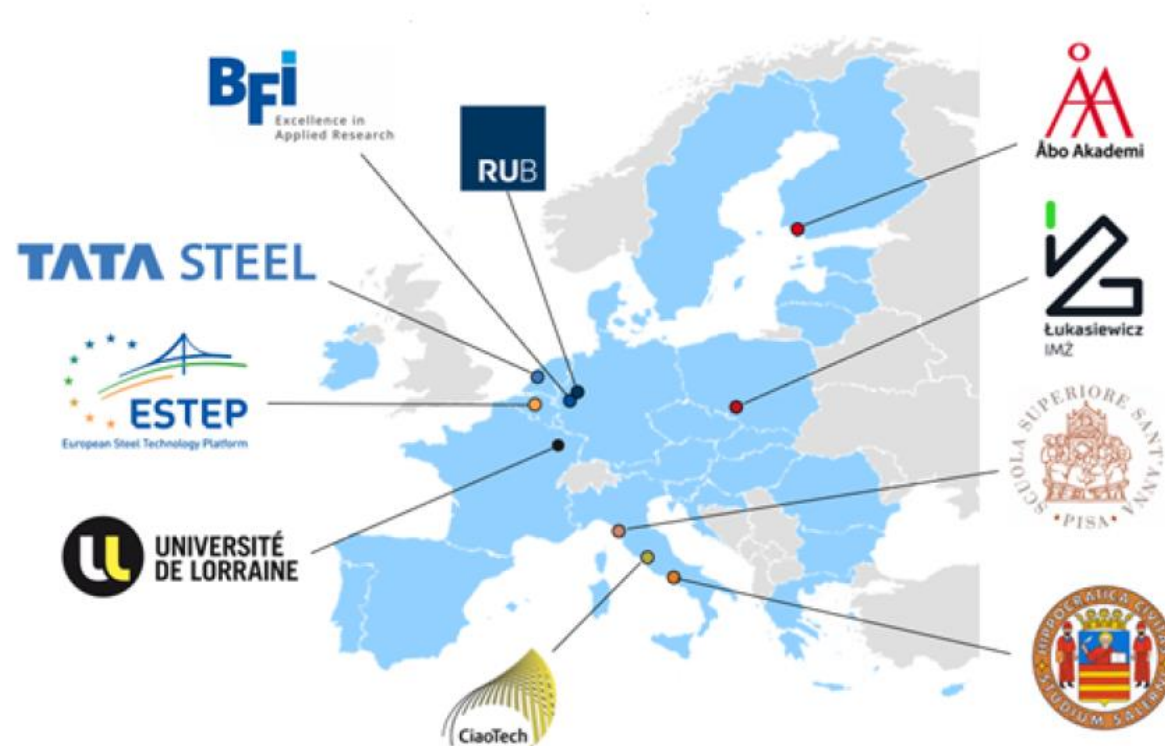
CONSORTIUM

10 Partners from
7 EU countries



TARGET MAXH2DR

Raise the maturity of the relevant toolkits from TRL 5 to TRL 8



Hydrogen-based fluidised bed direct reduction of ultra-fine iron ores and smelting to green hot metal

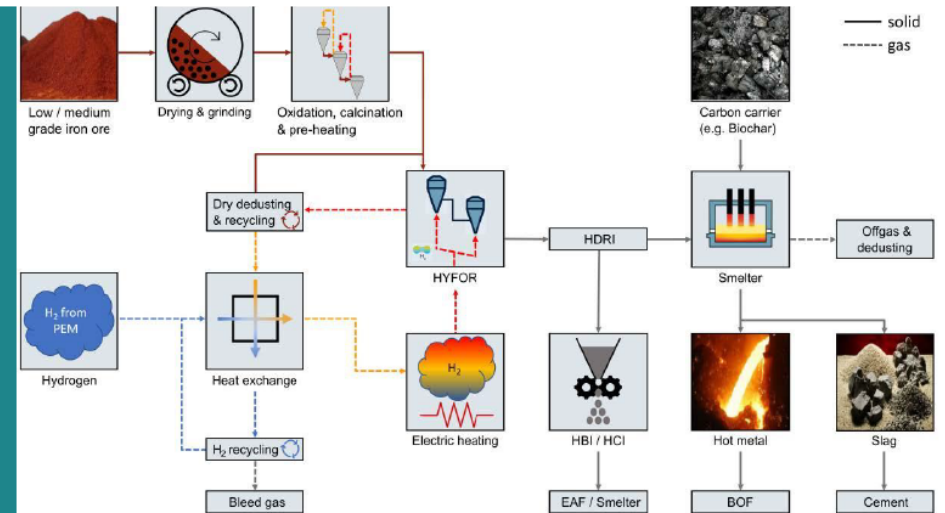
A breakthrough process of hydrogen-based, CO₂-neutral reduction and melting of non-agglomerated low/medium-grade iron ore.

The industrial-scale demonstrator is **first-of-its-kind worldwide in processing ultra-fine iron ores** in an innovative fluidised bed direct reduction (DR) with 100 % green H₂ and melting the direct reduced iron in a renewable powered electric furnace.

Duration: 54 months

Expected impact:

- Push forward decarbonisation of the steel sector/high CO₂ reduction
- Substitution of 55 blast furnaces operated in the EU
- Flexible use of varying ore qualities: high raw material supply security
- Circular economy: smelter slag utilisation as secondary raw material
- Initialisation of wide market uptake of new green ironmaking process



Consortium

- Primetals Technologies Austria GmbH (AT)
- K1-MET GmbH (AT)
- voestalpine Stahl GmbH (AT)
- ESTEP (BE)
- UNIVERSITA DEL SALENTO (IT)
- Portugal Fortescue Unipessoal LDA (PT)
- Lösche GmbH (DE)
- University of Weimar (DE)
- SCUOLA SUPERIORE SANT'ANNA (IT)
- CEMEX ESPAÑA GESTION Y SERVIC. S L (ES)

Introducing the European Partnership on Metrology

European Partnership
Stakeholder Forum
Brussels, Belgium
4 – 5 December 2024

EUROPEAN PARTNERSHIP



**METROLOGY
PARTNERSHIP**



The European Partnership on Metrology



- Metrology, the **science of measurement**, is a cross-cutting discipline vital for scientific research, trade, industry and human well-being
- **Co-funded by the Member States and the European Union** with an expected budget of around 738 million euro
- The Partnership **brings together Europe's measurement science community and stakeholders from all areas** - delivered by EURAMET

More information about
the Metrology Partnership:



Get Involved in our Collaborative Research



- The Partnership advances measurement science to ...
 - Foster a **competitive and sovereign European industry**
 - Deliver on global challenges and a **sustainable transition for a resilient Europe**
 - Support European **standardisation and regulation**
- **Share your metrology-related needs or join our research projects!**
- Topics of upcoming **Calls 2025 – 2027** include
 - Industry
 - Green Deal (covering Energy-, Climate-, Pollution-related research)
 - Health
 - Regulation and Standardisation

More information
about the Calls on
the Participant
Portal:



Selected Project Highlights



- 450+ collaborative projects completed or running so far: Boosting European innovation & competitiveness on different levels

Energy & Decarbonisation

Developing improved energy storage materials that will help Europe meet its aim of being the climate-neutral continent

Green Deal Project: 'Operando metrology for energy storage materials'



Advanced Manufacturing

Developing the smart technologies required for Europe's fourth industrial revolution

Industry Project: 'Traceable machine vision systems for digital industrial applications'



Security

Development of the metrological network needed to realise and implement 6G technology

Industry Project: 'RF key quantities for 6G development'



All our projects can be found here:





Made in Europe Partnership

- ❑ is the **manufacturing co-programmed partnership implemented by the European Commission and EFFRA** under Horizon Europe 2021-2027, Cluster 4
- ❑ EU funding: **900 mln E**
- ❑ is the **driver for sustainable manufacturing in Europe**, being at the centre of a twin transition
- ❑ boosts European manufacturing ecosystems towards global leadership in technology, circular industries and flexibility, to reach a **competitive, green, digital, resilient and human-centric manufacturing industry in Europe.**



88 Projects launched to date to reach the Made in Europe objectives:

01

Ensuring European leadership & manufacturing excellence; generating new products & markets

02

Achieving circular and climate-neutral manufacturing

03

Mastering the digital transformation of manufacturing industry

04

Creating attractive added-value manufacturing jobs



Demonstrators & use cases presented on the

EFFRA Innovation Portal



The screenshot shows the 'Projects overview' page of the EFFRA Innovation Portal. The page features a search bar with an acronym search field and a free text search field. Below the search bar, there are filters for 'FoF and Made in Europe Partnership' and 'Made in Europe (MIÉ)'. The page displays 88 items found, with pagination controls for pages 1, 2, and 3. Two project cards are visible: 'OPTIMAL | Automated Maskless Laser Lithography Platform for First Time Right Mixed Scale Patterning' and 's-X-AIPI | self-X Artificial Intelligence for European Process Industry digital transformation'. Both projects are associated with the 'FoF and Made in Europe Partnership' and 'Made in Europe (MIÉ)' categories. The left sidebar contains navigation links for Home, Interesting shortcuts, EFFRA Members' Perspectives, News Dashboard, Structured Wiki, Pathways, Projects, Resources, Project ideas, and People & organisations.



Processes4Planet Ambitions

● ● ● ● **01**

Climate Neutrality

Develop & deploy climate-neutral solutions

● ● ● ● **03**

Competitiveness

Achieve global leadership of the Process Industry

02 ● ● ● ●

Circularity

Closing the energy and feedstock loops

04 ● ● ● ●

Competitiveness

Accelerate innovation & unlock public-private investments



LEARN MORE!

Facilities of the energy intensive industries

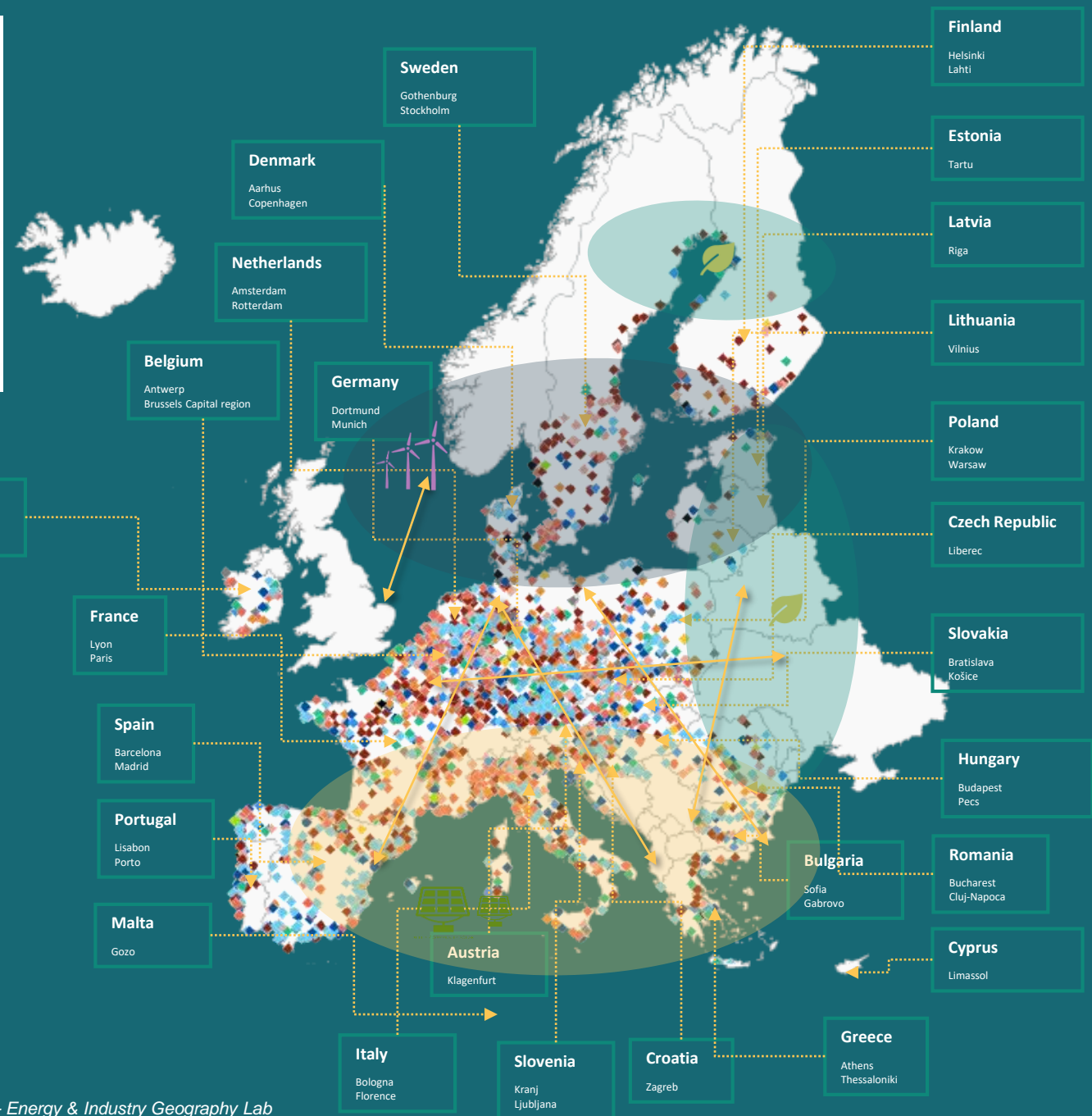
- Cement
- Ceramics & Refractory
- Chemicals
- Fertilizers
- Glass
- Lime
- Non-ferrous metals
- Pulp & paper
- Refining
- Steel

PROCESSES4PLANET and Impact Across EU Regions

Legend

- Key energy & resources corridor
- Large scale wind power generation
- Large scale solar power generation
- Biomass for energy and resources
- Hub for Circularity

Map and contents are for illustrative purposes only and not (yet) based on a detailed assessment. Potential opportunities are identified across Europe that can nonetheless be different according to the policy and innovation developments.



References:
 Map 1: JRC - Energy & Industry Geography Lab
 Map 2: 100 Climate-neutral and smart cities – EU Mission
 Map 3: P4Planet SRIA 2050

Processes4Planet: Collaboration with other Partnerships and links to EU Missions

Regular alignments & interactions



PROCESSES4PLANET

Other synergies assessed yearly in view of the SRIA implementation or new developments



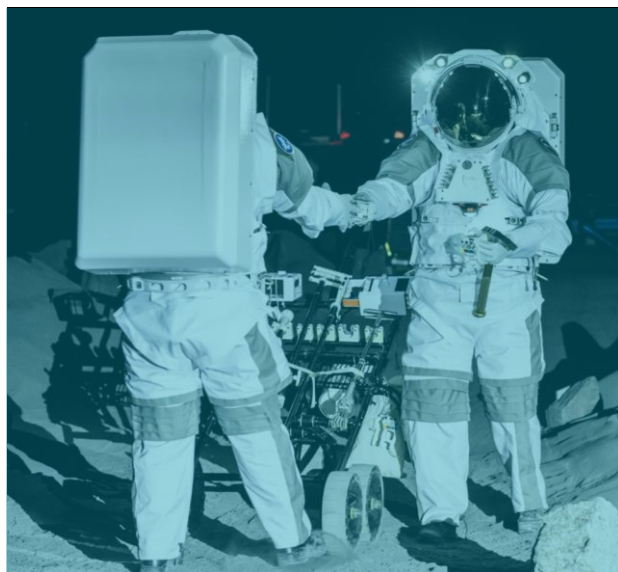
Links to EU Missions



- Circular use of water
- Net zero discharge of water
- Solute recovery
- Plastic recycling
- Industrial-Urban Symbiosis
- Hubs4Circularity
- Waste and water recycling
- EOL consumer goods to secondary materials
- Advanced fuels production
- Reduction of environmental emissions

Globally Competitive Space Systems (GCSS)

Space Partnership



jean-charles.treuet@eurospace.org

lea.kessler@eurospace.org

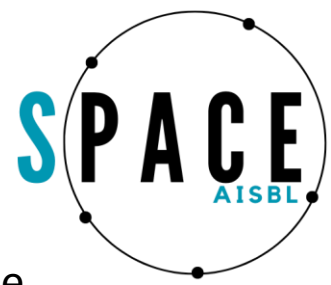


LinkedIn: SPACE AISBL



Funded by
the European Union

Who are we?



Public and private partners jointly support the development of **cutting-edge research and innovation (R&I)** programs in the space sector. The focus lies on Europe's **competitiveness** and to strengthen its position in the rapidly **evolving space market**.

Research & Tech. Organisations



Industry



Academia & Universities

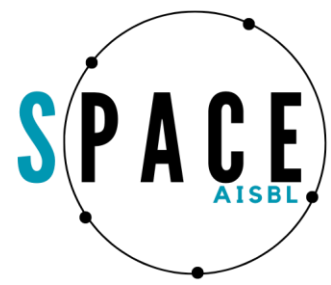


What we do



Funded by
the European Union

Our objectives



1

Foster global competitiveness and shorten time-to-market of EU space systems

2

Reinforce European capacity to access space

3

The current iteration of the Partnership is focusing on “Digitalisation for Commercial Space solutions”:

1. Digital solutions for **launcher autonomy in space transportation systems, design and simulation tools**
2. **Collaborative and synergetic Earth Observation and Satcom missions for Space solutions**

Up to
100 m€

for Work
Programme 2025,
2026, 2027



Funded by
the European Union

4 - 5 DEC. 2024

20 YEARS
OF EUROPEAN PARTNERSHIPS

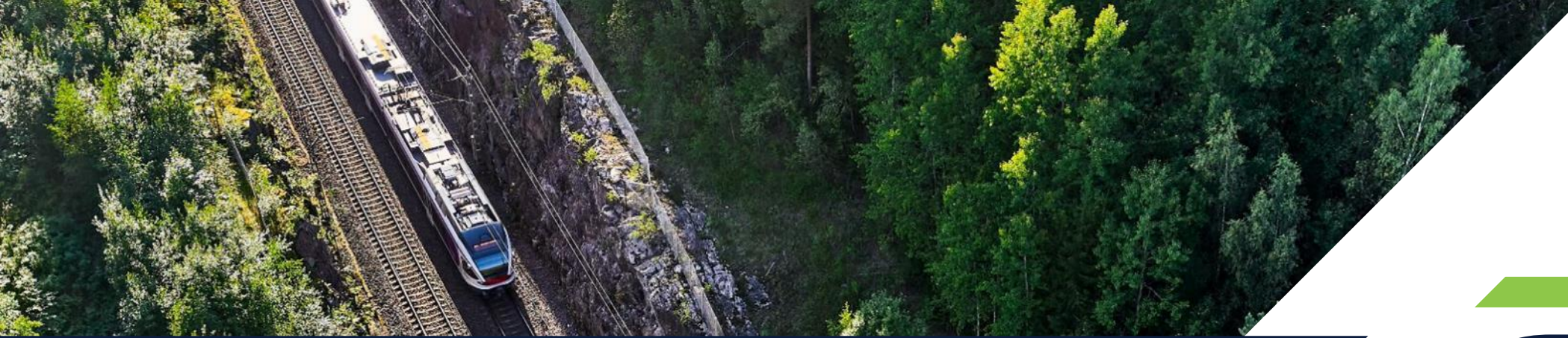
**EUROPEAN
PARTNERSHIP
STAKEHOLDER
Forum 2024**

BLUE POINT | BRUSSELS

EUROPEAN PARTNERSHIPS

CLUSTER 5: CLIMATE, ENERGY AND MOBILITY





Towards a reliable integrated European railway network



Objectives

General

Single European Railway Area

Transition to integrate European rail system into the wider mobility system

Strong European rail industry

Specific

- Integrated European railway network
- Sustainable and resilient rail system
- Unified operational concept and a functional, safe, and secure system architecture
- Competitive green rail freight
- Demonstration projects
- Strong and globally competitive European rail industry
- Synergies with other EU policies, programmes, initiatives, instruments, or funds





DELIVER AN **INTEGRATED EUROPEAN RAILWAY NETWORK BY DESIGN**



DEVELOP A **UNIFIED OPERATIONAL CONCEPT AND A FUNCTIONAL SYSTEM ARCHITECTURE** FOR INTEGRATED EUROPEAN RAIL TRAFFIC AND CCS/AUTOMATION



DELIVER A **SUSTAINABLE AND RESILIENT RAIL SYSTEM**

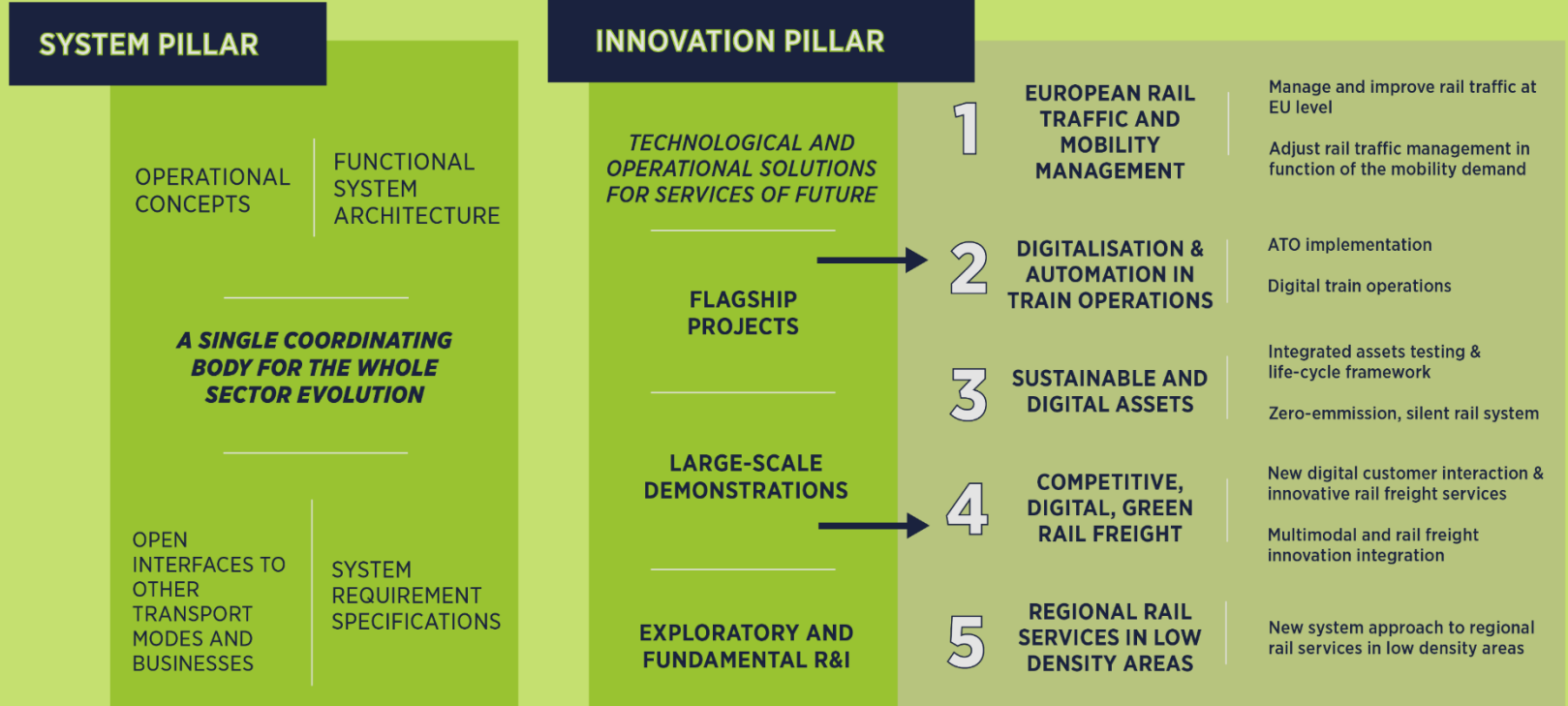


DELIVER A **COMPETITIVE, GREEN RAIL FREIGHT FULLY INTEGRATED INTO THE LOGISTICS VALUE CHAIN**



DEVELOP A **STRONG AND GLOBALLY COMPETITIVE EUROPEAN RAIL INDUSTRY**

EUROPE'S RAIL: ONE INTEGRATED R&I PROGRAMME



DEPLOYMENT GROUP

FUTURE SOLUTIONS DEPLOYED IN A COORDINATED AND CONSISTENT WAY AT EUROPEAN LEVEL, TAKING INTO ACCOUNT ALTERNATIVE ROLLOUT SCENARIOS, BEHAVIOURAL AND ORGANISATIONAL CHANGES, SYNERGIES WITH OTHER MODES OF TRANSPORT

SESAR 3 Joint Undertaking



Accelerate through research & innovation the delivery of an inclusive, resilient & **sustainable Digital European Sky**



50+ founding members representing entire **aviation value chain** (incl. Innovative Air Mobility)



TOTAL BUDGET EUR 1,6 BILLION
Horizon Europe EUR 600 million
Eurocontrol up to EUR 500 million
Industry at least EUR 500 million

Additional funds via the Connecting Europe Facility (the EU infrastructure programme).



Visit our website

SESAR 3 JU 57 Members

Visit our website



General objectives

STRENGTHEN AND INTEGRATE

Strengthen and integrate the Union's research and innovation capacity in the ATM sector

- ⇒ more resilient and scalable to fluctuations in traffic
- ⇒ enabling the seamless operation of all aircraft



INNOVATE

Strengthen, through innovation, the competitiveness of manned and unmanned air transport in the Union

- ⇒ ATM services' markets to support economic growth



DEVELOP AND ACCELERATE

Develop and accelerate the market uptake of innovative solutions

- ⇒ Single European Sky airspace as the most efficient and environmentally friendly sky to fly in the world



Visit our website



Benefits

Added value

Punctuality

+19%



Cost-efficiency

+30,3%



Airport capacity

+23%



En-route capacity

+60%



Fuel-efficiency and reduction of CO₂ emissions

-3,4%

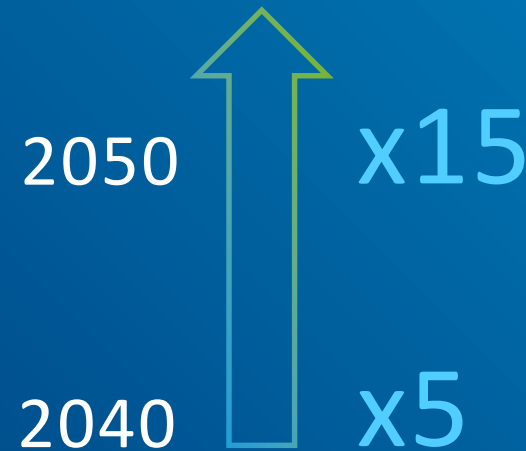


Reduction of additional flight time

-41%



Return on investment



Socio-economic benefit

appr. by 2040

+ EUR
560
BILLION

+ appr. EUR 110 billion by activities enabled by SESAR

Visit our website



Clean Aviation: the European Union's leading R&I programme for sustainability in aviation



Axel KREIN
Executive Director

Clean Aviation Joint Undertaking

4-5 December 2024 |

Impact-driven Programme:

- developing, maturing and demonstrating **disruptive technologies**
- for a new generation of **ultra-efficient** and **ultra-low emissions** aircraft
- **four aircraft concepts** for integration and demonstration

Entry-Into-Service in 2035



Ultra-efficient
Regional aircraft



Ultra-efficient **Short and
Medium Range** aircraft



Hydrogen powered
aircraft

-30%
CO₂*

~ -90%
CO₂*
incl. SAF

-100%
CO₂*

* non-CO₂ effects not yet quantified

RACER

Compound Rotorcraft Fly Demonstrator



Environmental Benefits:

- **15%** reduction in CO₂
- Reduction of **20%** of CO₂/NO_x emissions
- NO_x and noise emissions reduction at demonstrator level

UltraFan

The largest aero engine demonstrator in the world



Environmental Benefits:

- **10%** fuel efficiency improvement demonstrated compared to 2020 state-of-the-art engines
- Up to **40%** reduction of NOx
- **30%** reduction of noise

The Clean Hydrogen Joint Undertaking supports R&I activities in hydrogen technologies in Europe.

It builds upon the success of its predecessor, the Fuel Cells and Hydrogen Joint Undertaking.

EU Institutional Public-Private Partnership (IPPP) 2021-2031



Hydrogen
Europe

Industry

More than 620
members



European
Commission



Hydrogen Europe
Research

Research community

over 156 members

1 billion EURO from Horizon Europe* to implement R&I activities and facilitate the transition to a greener EU society through the development of hydrogen technologies

*** additional 200 million EURO for Hydrogen valleys (under RePowerEU)**



Programme Portfolio

including legacy of FCH JU



H₂ Valleys

16 Projects
€ 186.8 million

H₂ Production

79 Projects
€ 290.3 million



H₂ End Use: Clean Heat and Power

87 Projects
€ 301.1 million



H₂ Storage & Distribution

38 Projects
€ 144.4 million



H₂ End Use: Transport

78 Projects
€ 540.5 million



Cross-cutting

54 Projects
€ 80.1 million

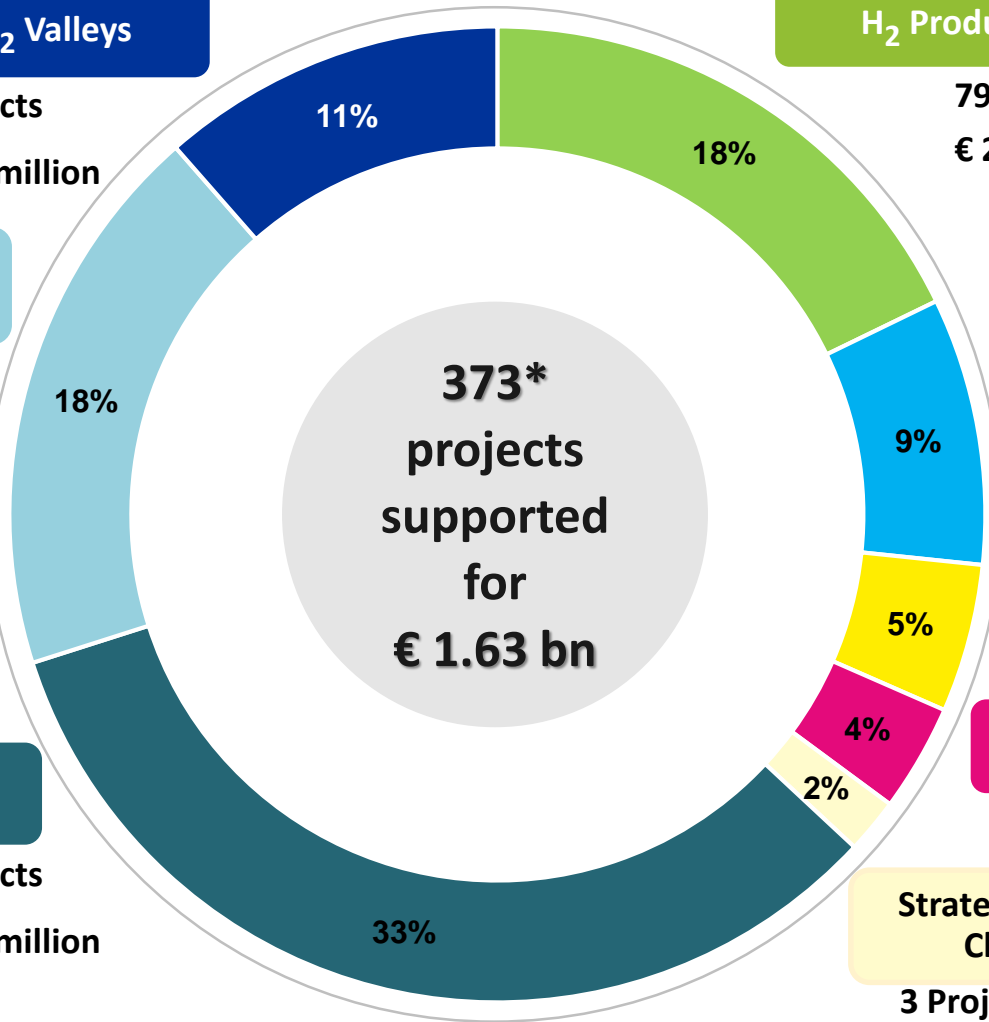
Supply Chain

18 Projects
€ 58 million



Strategic Research Challenge

3 Projects
€ 29.6 million



373*
projects supported
for
€ 1.63 bn

*Additional 24 grants under preparation (from 2024 call budget)

Raising awareness, developing ideas and implementing hydrogen projects

Regions initiative (2016-2018)

To support cities and regions with an interest in FCH technologies

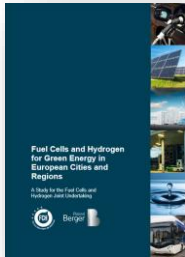


Engagement

- Business cases for FCH applications;
- Mapping of local assets;
- Identification of existing funding;

Report

- FCH applications: status and potential;
- FCH plans and ambitions;
- Way forward;



MOU

- 89 European Regions;
- 22 countries
- 1/4 of Europe's population, surface & GDP;



Project Development Assistance (2021-onwards)



<https://europa.eu/McW9JP>

From idea to project plan

Hydrogen Valleys Facility

JU Annual Work Plans



<https://europa.eu/WYcrhy>

Support to investments: H2 projects including H2 Valleys

Memorandum of Cooperation with Managing Authorities

MI2.0 H2V Platform



<https://h2v.eu>

Global collaboration

Hydrogen Valley S3P Platform



European Partnership Stakeholder Forum

Dec 2024



Co-funded by the
European Union





Did you know that innovations in housing can decrease prices, keep you safe and warm?

Did you know that innovations in construction can mitigate climate change and decrease European dependency on materials?



Co-funded by
the European Union



To induce lasting behavioral change towards sustainable living



To revitalize the sector through decarbonization transition



To generate holistic innovation towards sustainability



To foster collaboration among Innovation Clusters across Europe



Built4People

Objectives



Co-funded by
the European Union



ECTP



WORLD
GREEN
BUILDING
COUNCIL



Built4People

Thank you

www.built4people.eu info@built4people.eu



Co-funded by the
European Union



The 2Zero Partnership

Who we are?

- **Building on the success** of the European Green Vehicles Initiative cPPP in Horizon 2020 and the successful experience from Green Cars.
- **Involvement of the public side (DG RTD, DG MOVE, DG ENER, DG CLIMA) and the Association** gathering the members of the private side of the partnership.
- **EGVIAfor2Zero** is currently composed of **120 industry, research and associate members**.



The 2Zero Partnership

What we do?



Contribute to Europe having the first **carbon-neutral road transport system by 2050**

Technology leadership supporting economic growth and job safeguard, creation all over Europe

Ensure **European competitiveness** thanks to solutions for an integrated carbon neutral road transport ecosystem

Improve the **health and quality of life of EU citizens** and ensure mobility for people and goods



2Zero 4 pillars

Vehicle technologies and vehicle propulsion solutions for BEV and FCEV

Integration of the battery electric vehicle into the energy system and related charging infrastructure

Innovative concepts, solutions and services for the zero emission mobility of people and goods

LCA and circular economy approaches for sustainable and innovative road mobility solutions

Visit us
2zeroemission.eu



The power of our synergies



Regular exchanges to ensure consistency and complementarity



Flagship conferences



Strategic Agreements

Tripartite Collaboration Agreement with JRC & BEPA on battery testing

Cooperation Working Arrangement (CWA) with Regione Piemonte

First-ever joint topic in Horizon Europe Cluster 5 (2021) with Batt4EU Partnership

First tripartite topic with CCAM Partnership & Climate-Neutral and Smart Cities Mission

Joint topics published

2Zero

CONNECTED, COOPERATIVE AND AUTOMATED MOBILITY PARTNERSHIP

EUROPEAN LEADERSHIP IN **SAFE AND SUSTAINABLE** ROAD TRANSPORT THROUGH AUTOMATION

Founded
in 2021

Budget:
€ 1 Billion

+230
members

Cross-
sectoral
value
chain

Strengthen
Competitiveness
of European Industries

Increase Safety
in road transport

Reduce negative impact from
road transport on environment

Ensure inclusive mobility
and good access for all



VISIT
CCAM.EU

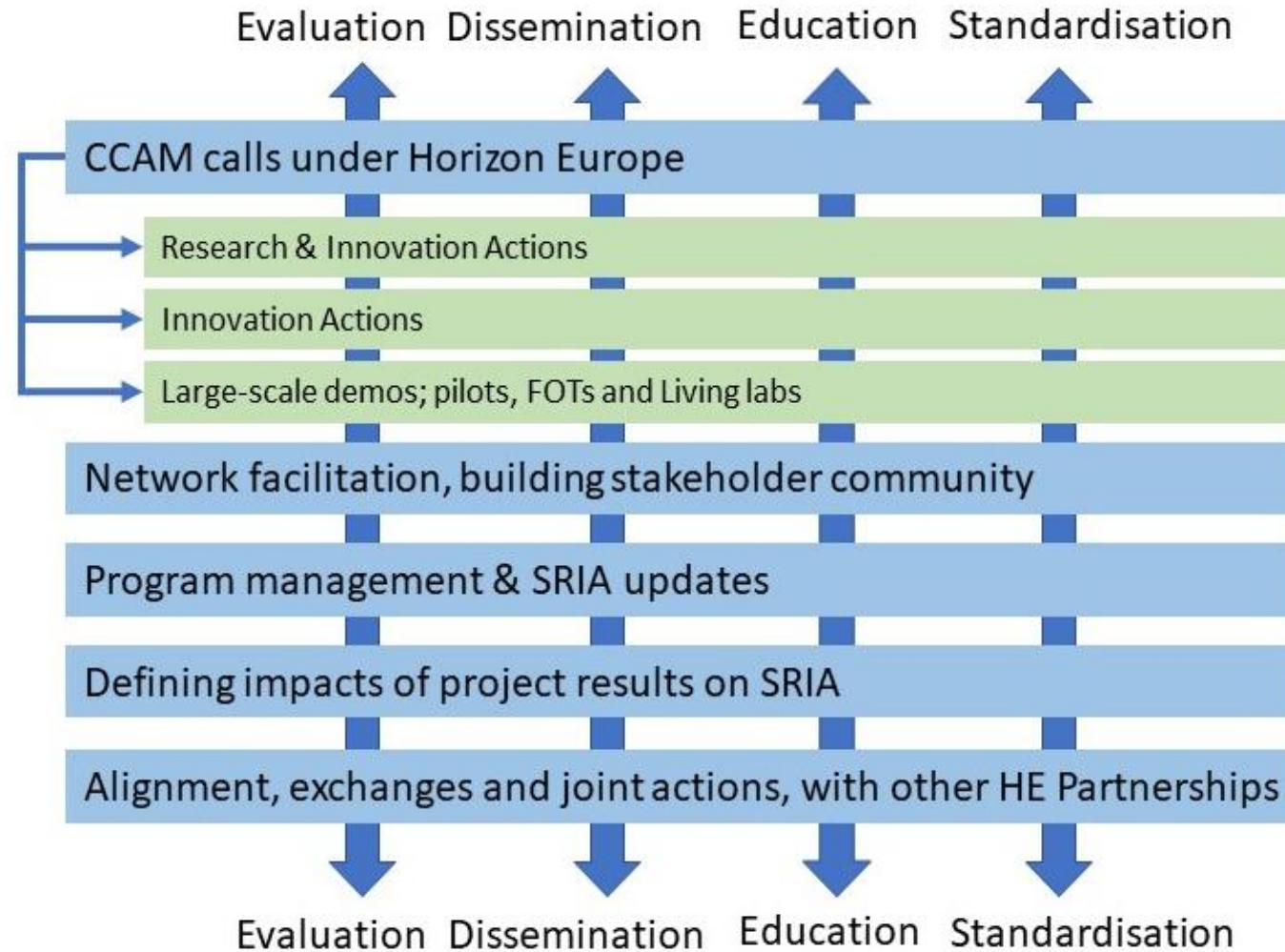
CCAM PARTNERSHIP ACTIVITIES



Conference on the Results from the Road Transport Research (RTR)
11-13 February 2025
Brussels, Belgium



Conference on Connected and Automated Driving
13-15 May 2025
Ispra, Italy



GOOD PRACTICES FROM THE CCAM PARTNERSHIP

Collaborative Ecosystem building with academia, research institutions, industrial companies and small and medium size enterprises (SME), public authorities, and civil society while linking with Member States activities through the State Representatives Group (SRG).

Expert governance in CCAM 7 Clusters

CCAM unique Socio-Technical approach to balance publicly fostered innovation and private-sector business development with social responsibility.

Rising Membership Base: 26% of the total members joined after the start in 2021, growing the association from 170 to 230 members by the end of 2024.

Alignment with other Partnerships like 2Zero, Chips JU, and ADRA as well as EU Mission: Climate-Neutral and Smart Cities; expanding CCAM Partnership's impact to European mobility and technology initiatives.

Setting-Up Large-scale Demonstrations for wider deployment through collecting valuable user feedback and insights into means for innovation adoption and necessary regulatory and infrastructure standards across EU Member States.

Waterborne Technology Platform

A European Technology Platform for the Waterborne sector

- All waterborne stakeholders such as ship-owners, shipbuilders, maritime equipment manufacturers, infrastructure and service providers, classification societies, universities or research institutes, waterway and port operators;
- Currently 129 members, representing the main stakeholders of the European waterborne transport sector (shipyards, maritime equipment manufacturers, shipowners, research institutes, academia, associations, etc....),
- Waterborne = Maritime + Inland Navigation and lakes + Ports!
- Co-Programmed Partnership on Zero-Emission Waterborne Transport
- Three working groups: Ships & Shipping, Ports & Logistics and Blue Growth



Zero-emission waterborne transport partnership

(Co programmed partnership, lead by Waterborne TP which mobilises a critical mass of over 100 partners, over €0.5 Bn EU funds leveraged 6 times with private investment to achieve zero-emission waterborne transport vessels)

Strategic Research and Innovation Agenda:

R&I to develop and demonstrate zero-emission solutions for all main ship types and services by 2030 which will enable zero-emission waterborne transport by 2050.

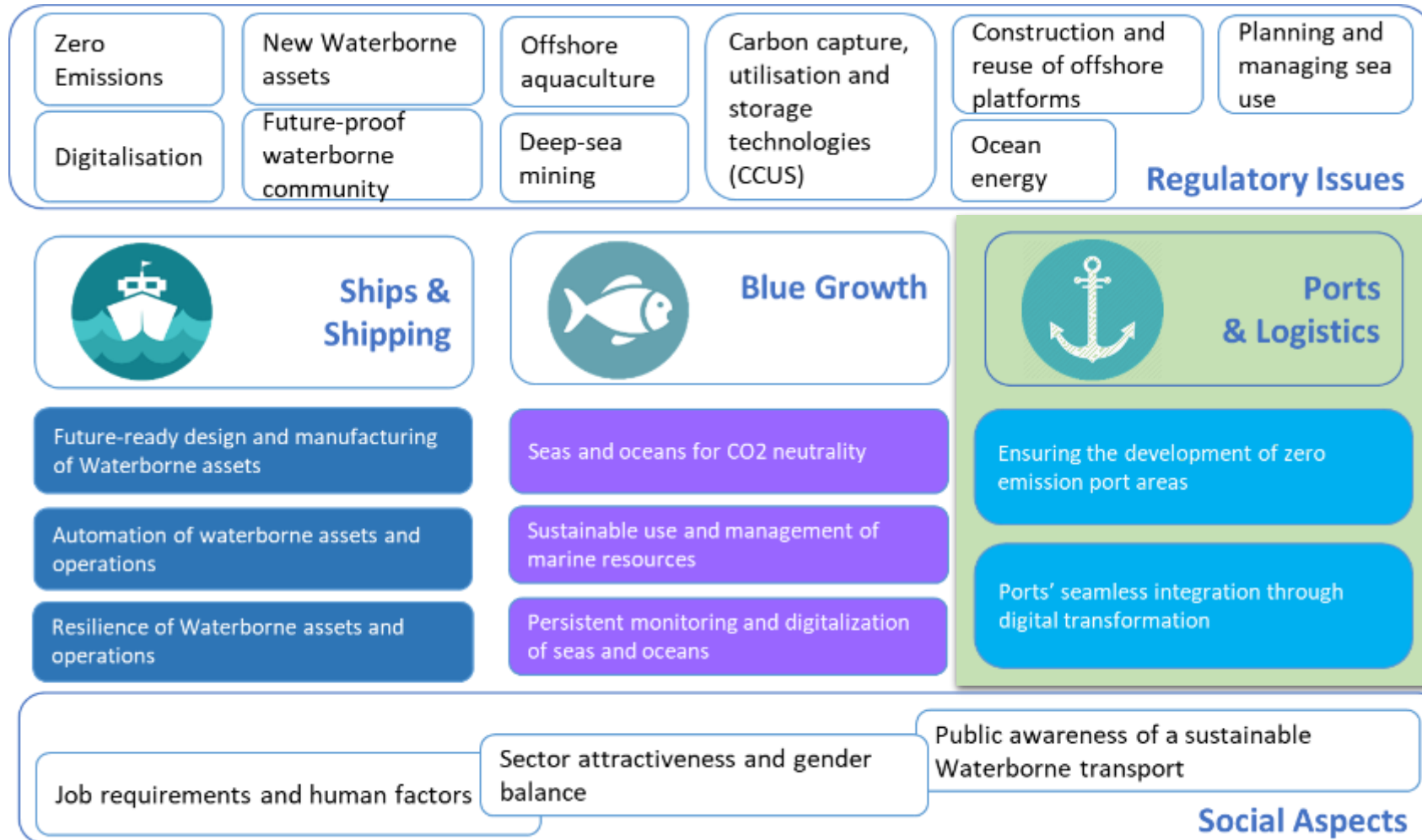
Eliminating **GHG emissions** from new ships and retrofitted existing ships by means of sustainable alternative climate-neutral fuels, renewable energies, electrification and energy efficiency.

Cutting coastal and inland pollution to air by at least 50% compared to current levels

Elimination of pollution to water (including harmful underwater noise) from ships



Strategic Research and Innovation Agenda (SRIA) for the European Waterborne Sector – Global view



DUT Partnership

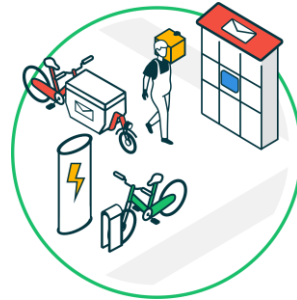
The Driving Urban Transitions (DUT) Partnership steps up the game to tackle **urban challenges**. Through **research and innovation** and **capacity building** we enable local authorities and municipalities, service and infrastructure providers, and citizens to translate **global strategies into local action**.

Three Transition Pathways for urban transitions

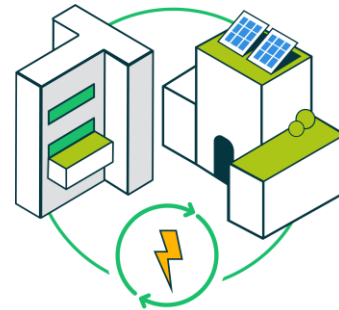
Circular Urban Economies



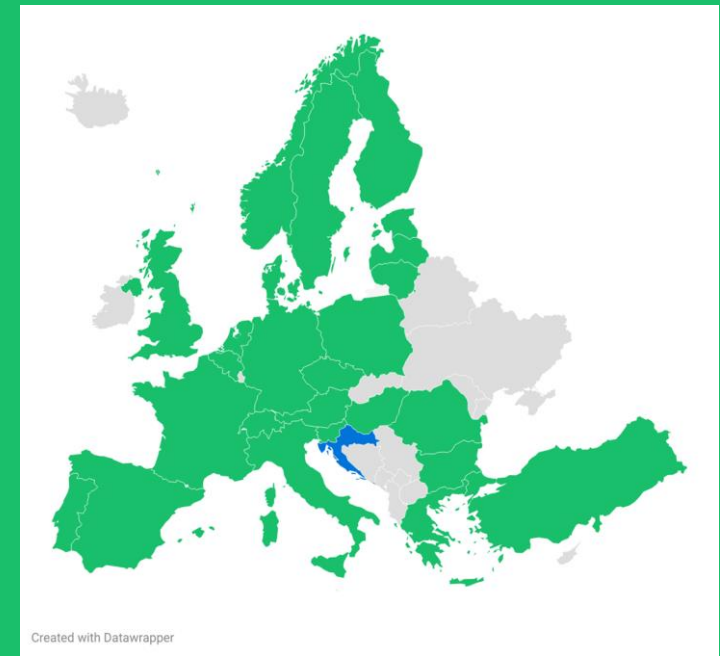
15-minute City



Positive Energy Districts



With **65+ partners** from **28+ countries**, and the European Commission, we fund over **40 transnational R&I projects** each year.



Get Involved!

Are you passionate about making an impact on urban sustainability? The DUT Partnership is your gateway to collaborating with a diverse network of stakeholders. Learn how you can get involved by visiting dutpartnership.eu.



Follow us on LinkedIn
@Driving Urban Transitions Partnership

Our activities

Further info available in the [DUT Roadmap](#)



THE CIRCULAR URBAN ECONOMIES (CUE) TRANSITION PATHWAY

We aim to help cities become more resource efficient and reduce their impact on the planet by extending the use of existing resources and closing linear resource flows.



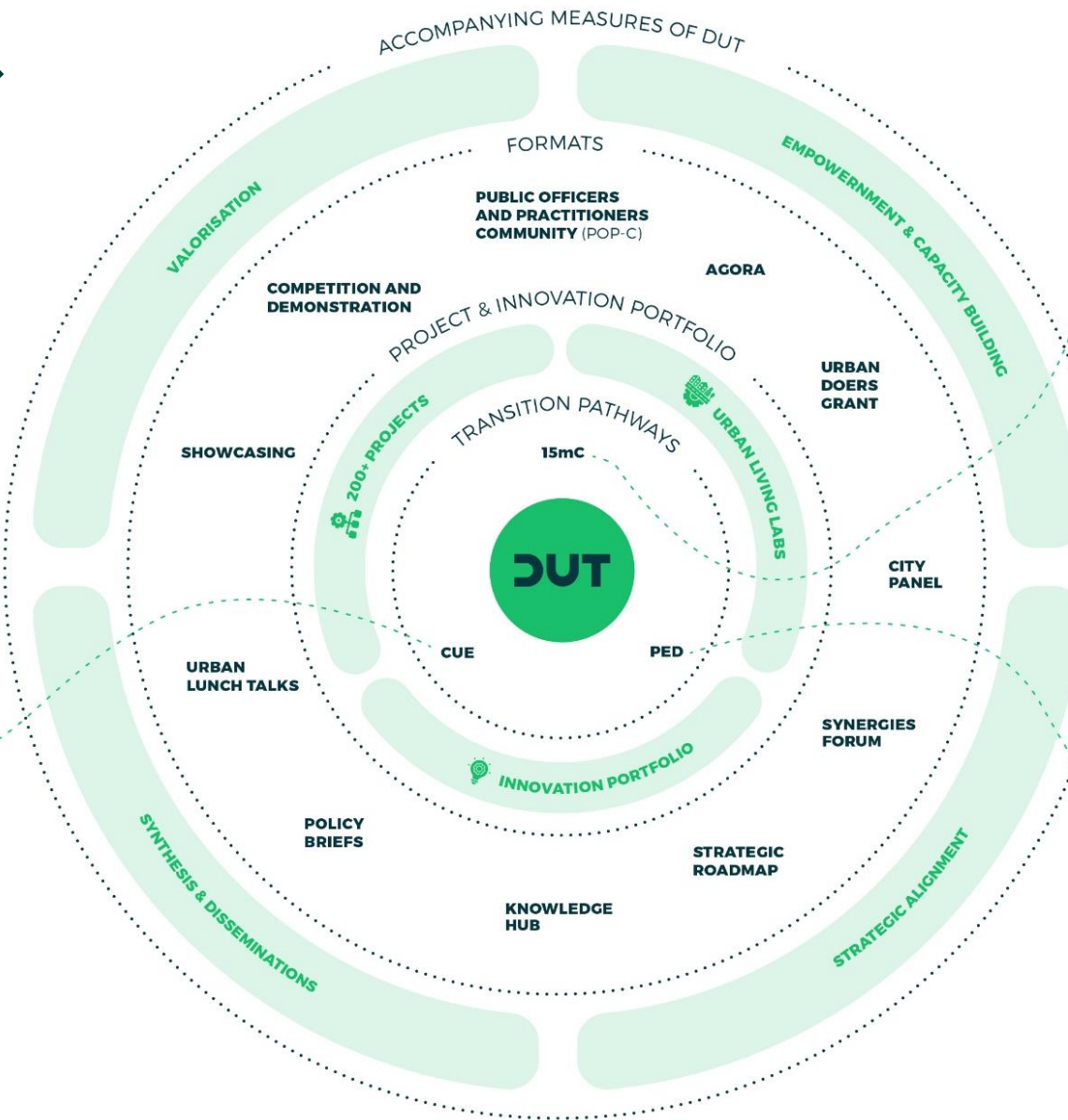
THE 15-MINUTE CITY (15mC) TRANSITION PATHWAY

We seek to create comprehensive and strategic frameworks to connect, integrate, and balance all modes of transport in a people-centred manner, and to support cities in shaping their mobility and transport policies.



THE POSITIVE ENERGY DISTRICTS (PED) TRANSITION PATHWAY

PEDs are energy-efficient and energy-flexible urban areas that generate net zero emissions while managing renewable energy. Our PED TP aims to develop innovative solutions to initialize 100 PEDs in Europe by 2025.

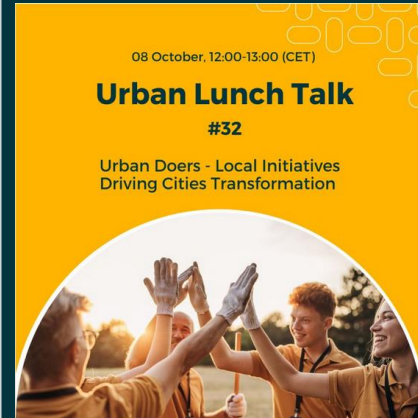
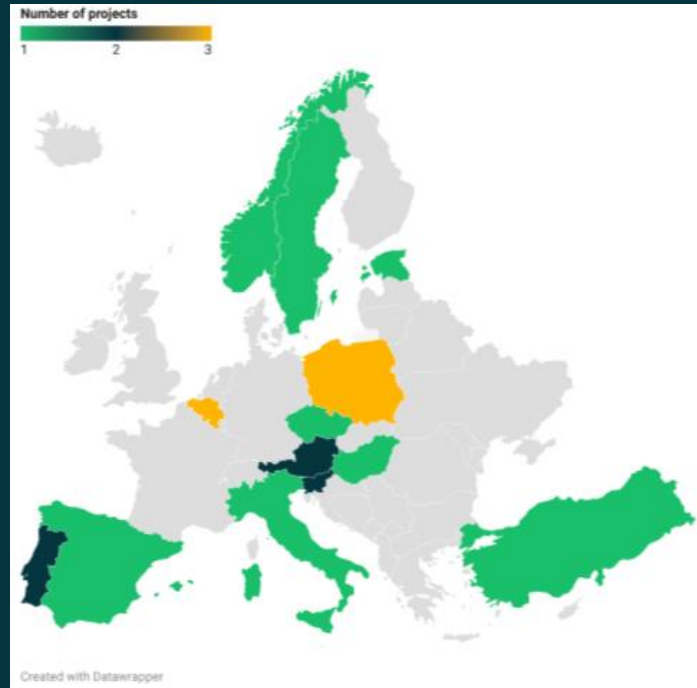
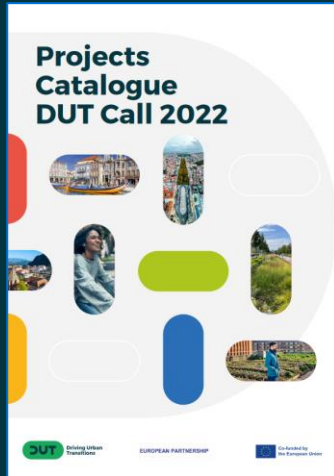
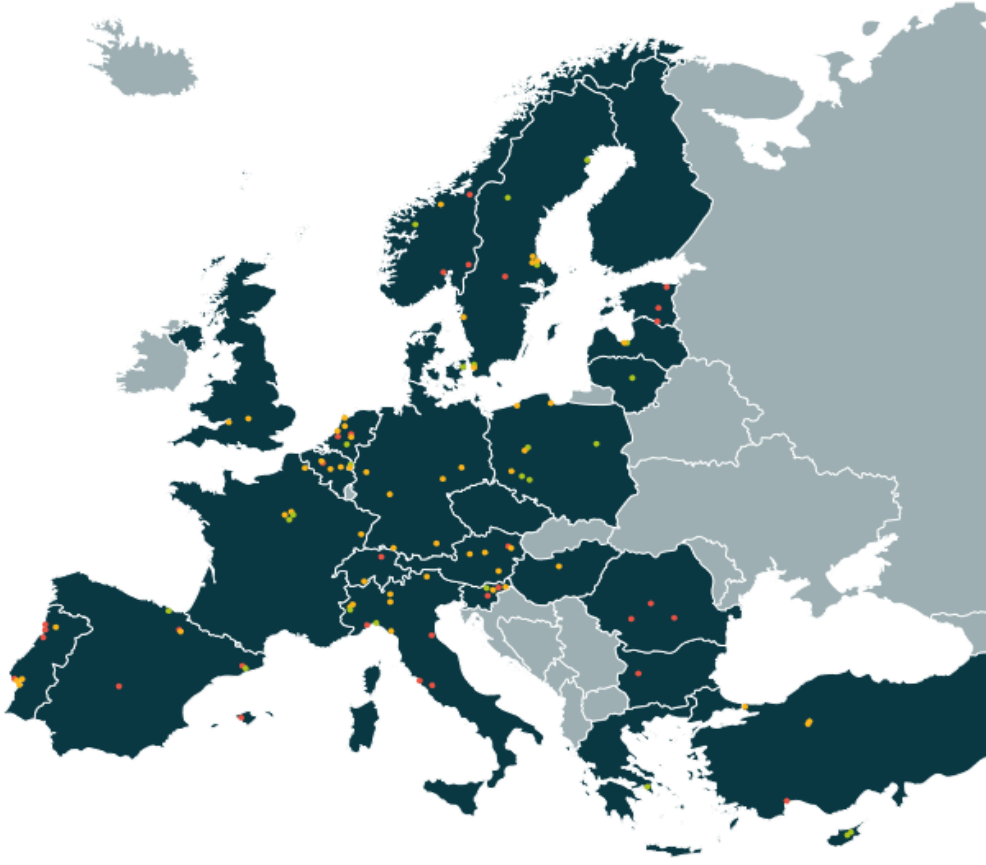


DUT R&I Projects

Sustainable future
with enhanced quality
of life in cities

Urban Doers Community Local Initiatives Driving Cities Transformation

● PED projects ● 15minC projects ● CUE projects



4 - 5 DEC. 2024

20 YEARS
OF EUROPEAN PARTNERSHIPS

**EUROPEAN
PARTNERSHIP
STAKEHOLDER
Forum 2024**

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EUROPEAN PARTNERSHIPS

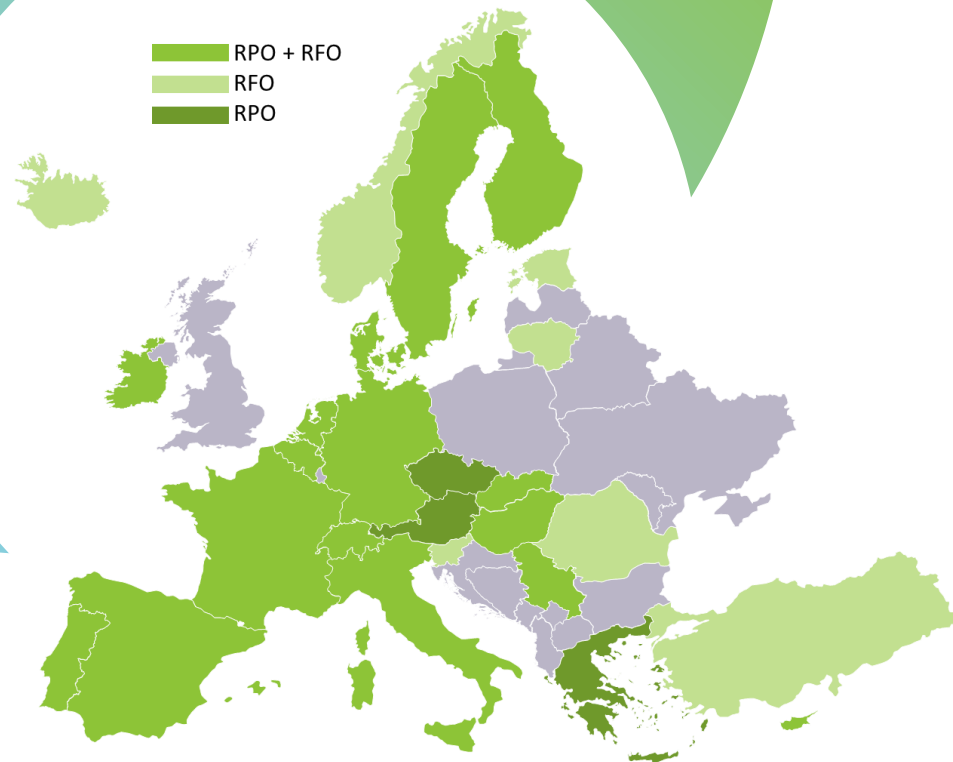
**CLUSTER 6: FOOD, BIOECONOMY,
NATURAL RESOURCES,
AGRICULTURE AND ENVIRONMENT**





Team-up and unlock the transition to agroecology so that farming systems are resilient, productive and prosperous, place-sensitive, as well as climate, environment, ecosystem, biodiversity and people-friendly by 2050

AGROECOLOGY in a nutshell



- **Horizon Europe co-funded Partnership:** “Accelerating Farming Systems Transition: Agroecology Living Labs and Research Infrastructures”
- **Pool resources of EU and states/regions**
 - Mobilisation of 300 M€ from EU and partners over 10 years (50 % co-fund)
 - In-kind: research and networking activities
 - In-cash: transnational calls for proposals
- **72 partners from 26 countries/regions**
 - RFOs: National/Regional Authorities, ministries, Funding agencies
 - RPOs: Research performing organisations
- **Coordination:** Project management Jülich (DE), ptj-agroecology-secretariat@fz-juelich.de
- **Co-Coordination:** ANR (FR)





Follow
AGROECOLOGY



AGROECOLOGY in action

- Redesigning agroecosystems
- Redesigning agroecology value chains
- Agroecology Living Labs (LLs) and Research Infrastructures (RIs) as instruments enhancing multi-actor involvement for agroecology transition
- Enablers of agroecology transition
- Networking of LLs and RIs to accelerate the transfer of locally adopted agroecology innovations
- Measuring effectiveness and progress of changes at the European level
- Stakeholder engagement, capacity building, access to RIs, DEC, science-policy dialogue, international dimension...
- Co-funded calls for R&I projects to generate more knowledge



Co-funded by
the European Union





Co-funded calls

1st call: Fostering agroecology at farm and landscape level

- 34 funders from 22 countries; 31 M€ + EU-Top Up
- Expected Outcomes: Agroecology innovations by co-creation, Implementation on agroecological practices, Implementation of tools and methods for co-creation process, Potential of socio-economic and environmental potential of agroecology
- Projects selected for funding end of November 2024, start expected in spring 2025

2nd call: Pre-announced in October 2024* (launched planned 02.12.2024)

- Integrating environmental, economic and social perspectives in assessing the performance of agroecology. Value-chain and policy implications

<https://agroecology.ptj.de/call1/>



Co-funded by
the European Union

*at the moment of preparing the current presentation, all information on 2nd call is purely provisional, not committing and indicative only



1 WHO WE ARE:

EUP AH&W Project Overview

The European Partnership on Animal Health and Welfare (EUP AH&W) is a Horizon Europe Cluster 6 collaborative action fostering research and innovation across Europe in Animal Health and Welfare.



90 Entities
24 Countries
19 EU Member States



Launched:
2024



Co-funded
Partnership:
€360 million



Duration:
7 (+3) Years

VISION

Infectious
animal diseases
are optimally
prevented and
controlled with
appropriate
means

Antimicrobials
are used
prudently

Animal welfare
is respected and
promoted in
every phase of
the production
cycle



SCAN TO LEARN MORE →

Our Priority Areas

- Surveillance/Monitoring System and Risk Assessment
- Procedures, methodologies and tools to analyse AH&W
- Animal management on farm, at sea, during transport, and at slaughter
- Treatments and Vaccines
- Socio-economic area



3 CASES:

Joint Internal Projects

A showcase of some ongoing **Sets Of Activities (SOA)** within the partnership.

EUPAHW First External Call

«Supporting the Future of Animal Health and Welfare»

External call closed with **130 pre-proposals submitted**



SOA 7
Universita Autònoma de Barcelona




Wildlife network (aquatic)




SOA 10
UCPH Denmark




Rapid Risk Assessment: Improvement of epidemic intelligence methodologies





SOA 13
AU Denmark




Assessment of positive welfare; defining animal-based measures



SOA 15
UCLM Spain



Expert Network on Biosecurity Research Priorities in Terrestrial Livestock





SOA 18
INRAE France




Pathogen-microbiome interactions, immune system & mechanisms of AMR



SOA 19
IZS Teramo Italy



Tools for testing efficacy of antimicrobials

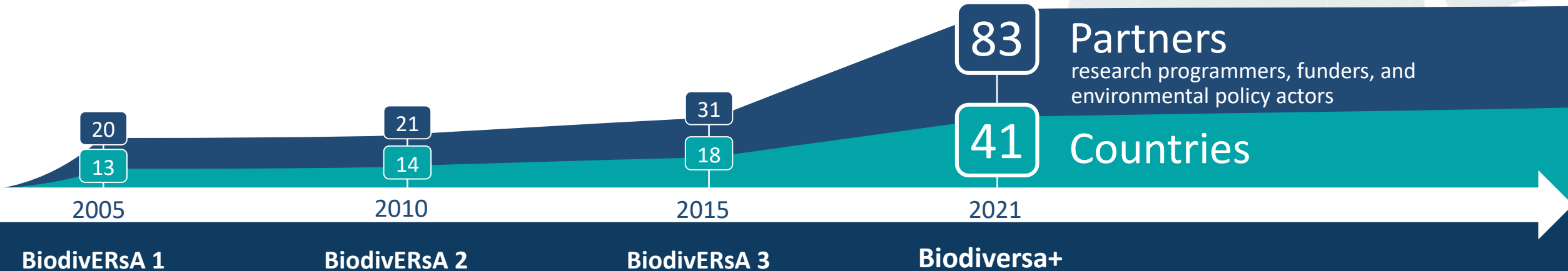
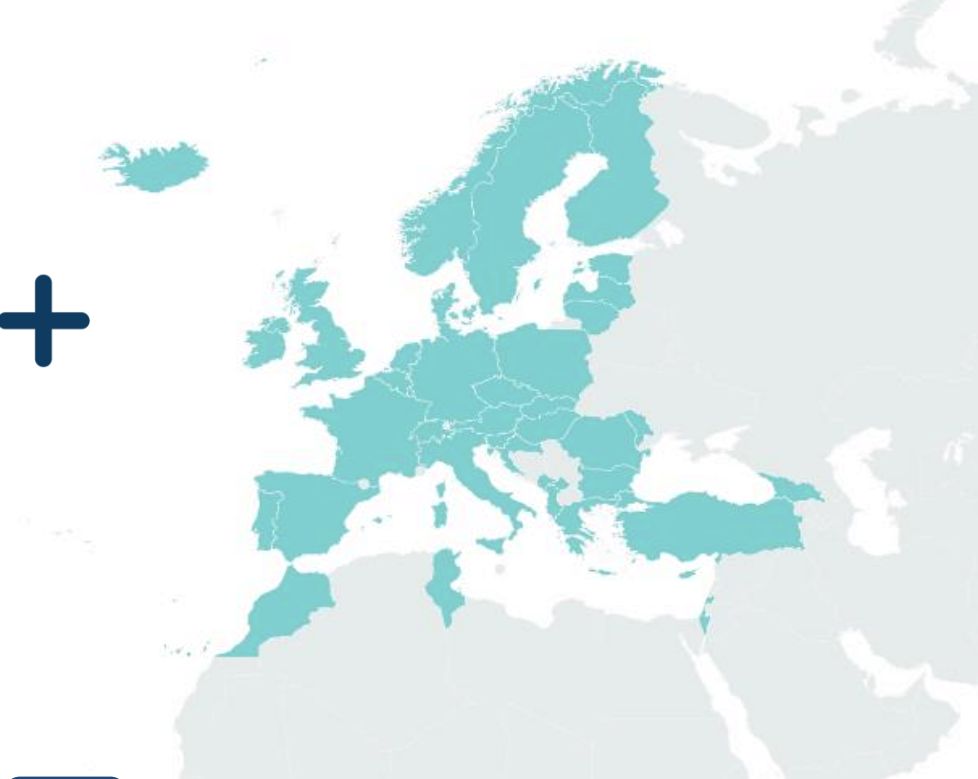




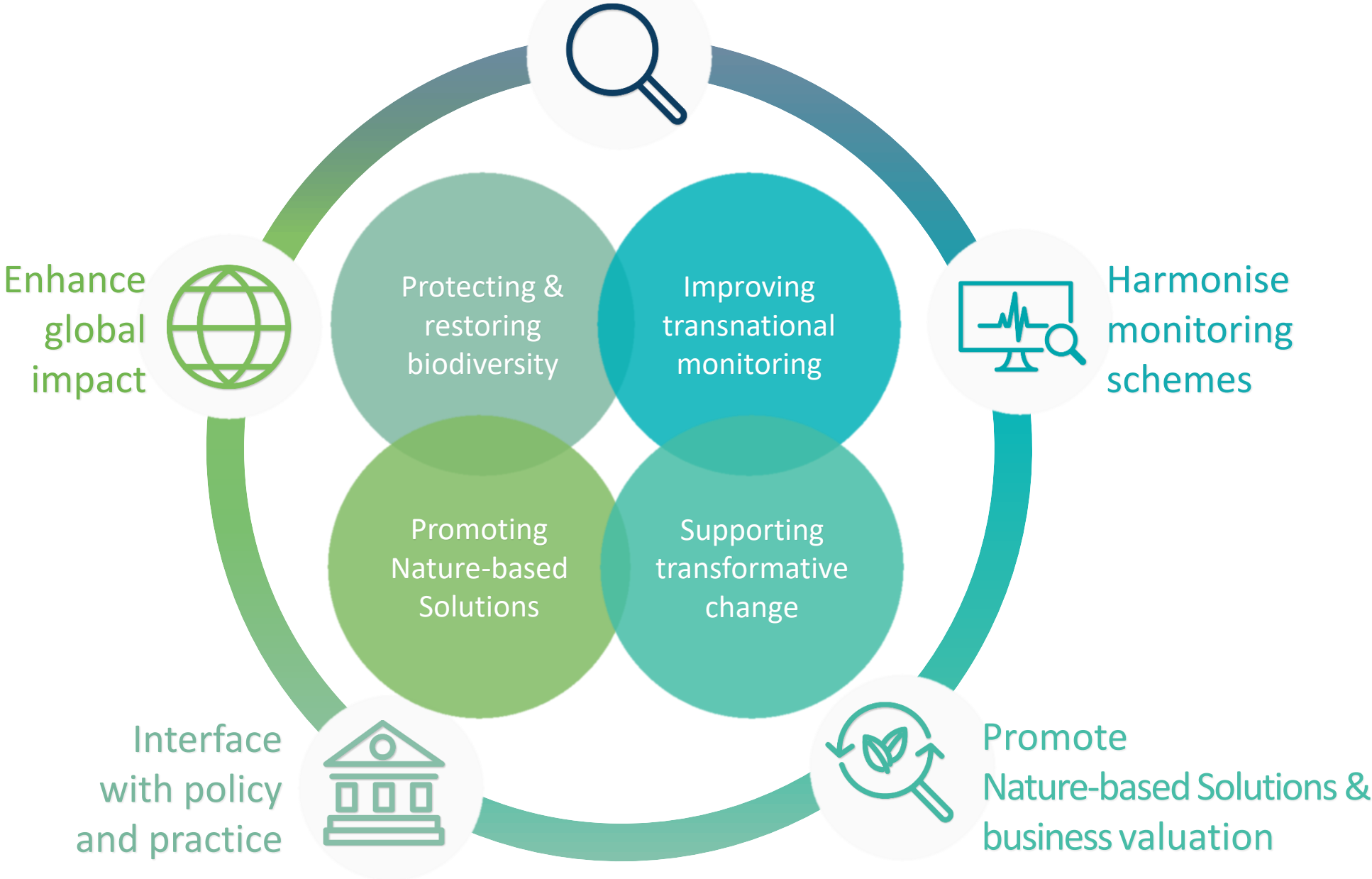
biodiversa+

European Biodiversity Partnership

*Supporting excellent biodiversity research
with an impact for policy and society*



Support Research & Innovation





Biodiversa+ goes further



Pilots Projects

Six experimental implementation projects testing new approaches to biodiversity monitoring, paving the way for harmonised monitoring systems across Europe



Knowledge Hubs

Two expert groups, focusing on biodiversity and climate change, and on biodiversity restoration, fostering collaboration and knowledge sharing to enhance impact



IPBES Support

One task force at IPBES, the “IPCC for biodiversity”, promoting the uptake of knowledge gaps by research and feeding global IPBES assessments with research results

Discover more:
[biodiversa.eu](https://www.biodiversa.eu)





1. Who we are

- ▶ a network of 74 partner institutions from 29 countries and the European Commission
- ▶ pooling research and innovation investments and aligning national programmes at pan-European scale
- ▶ taking into consideration the sea-basin (Mediterranean, Black Sea, Baltic and North Sea) and Atlantic Ocean dimension





2. What we do

- ▶ 450 million euro planned investments over 7 years
- ▶ 6 co-funded joint calls for R&I proposals
- ▶ focus on 5 intervention areas



Managing sea-uses



Digital Twins of the Ocean



Blue economy sectors



Blue Bioresources



Resilient coastal
communities and
businesses





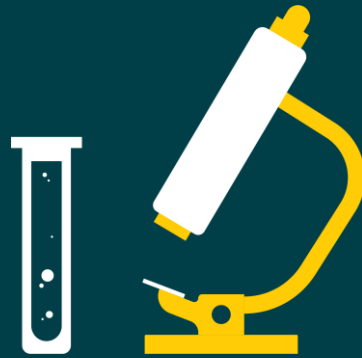
2a. Additional Activities



Alignment of
Thematic
Annual
Programming



Alignment of
Monitoring
Programmes



Sharing of Research
Infrastructures



Design of an
European Ocean
Observing System
Knowledge Hub

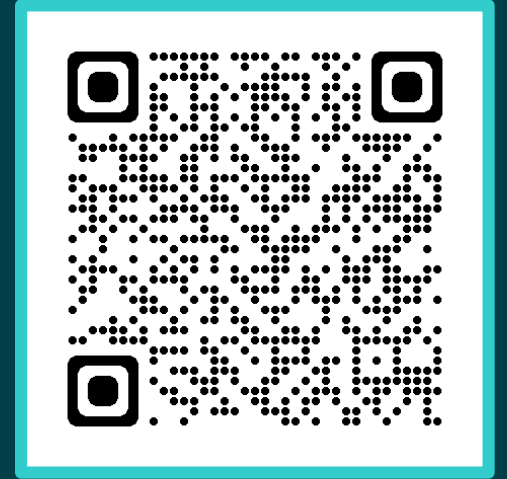


Portfolios of Projects





2b. Co-design workshops, thematic/regional



bluepartnership.eu

- ▶ Innovative governance for the Blue Economy – 26 Sep 2023, Brussels, Belgium
- ▶ Ocean observation in the Blue Economy – 27 Sep 2023, Brussels, Belgium
- ▶ An inclusive and just Blue Economy – 3-4 Oct 2023, Venice, Italy
- ▶ The key towards Mediterranean regional Sustainability – 7 Jun 2024, Athens, Greece
- ▶ Blue Economy for a Sustainable Black Sea – 17 Oct 2024, Sofia, Bulgaria
- ▶ Blue Economy for the North Sea – 27 Nov 2024, Amsterdam, the Netherlands
- ▶ Regional workshops for the Baltic Sea and the Atlantic Ocean planned for 2025, dates tbd.



A competitive bioeconomy for a sustainable future

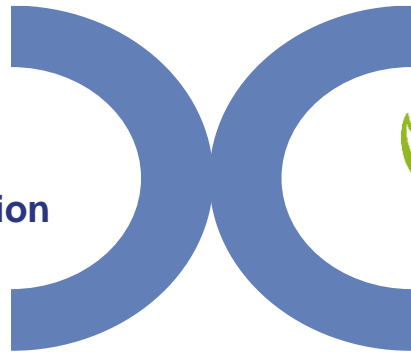


Bringing circular bio-based innovations to the market

€2 billion partnership



European Union
Represented by the
European Commission



Bio-based Industries
Consortium

Since 2014, the partnership has supported over **190 projects in 40+ countries.**

CBE JU flagship projects



Flagship
biorefinery

PROTEUS

1

Avaldsnes
Norway



2

Sarpsborg
Norway

SWEETWOODS

3

Imavere
Estonia

WOODCELL

4

Imavere
Estonia

VIOBOND

5

Riga
Latvia



6

Co. Tipperary
Ireland

PLENITUDE

7

Sas van Gent
The Netherlands

CIRCLE

8

Amsterdam
The Netherlands

PEference
The Renewable Innovation

9

Delfzijl
The Netherlands



10

Amiens
France

AFTER | BIOCHEM

11

Saint-Avoid
France

ReSolute

12

Saint-Avoid
France

SustaiNext

13

Hervás
Spain



14

Zaragoza & Sesto
San Giovanni
Spain & Italy

scale

15

Baillargues
France

SylPlant

16

Le Péage-de-Roussillon
France

FIRST 2 RUN

17

Porto Torres
Italy

TERRIFIC

18

Bottrighe
Italy

lignoflag
BBi JU

19

Podari
Romania



Circular
Bio-based
Europe
Joint Undertaking

Contact us
info@cbe.europa.eu
www.cbe.europa.eu

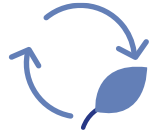
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Subscribe
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Supporting Europe's green growth



Contributing significantly to the **2030 climate targets**, paving the way for climate neutrality by 2050



Increasing the **sustainability and circularity** of production and consumption systems



Developing and expanding the **sustainable sourcing and conversion of biomass** into bio-based products



...Supporting the **deployment** of bio-based innovation **regional level**, with a view to reviving rural and coastal regions

4 - 5 DEC. 2024

20 YEARS
OF EUROPEAN PARTNERSHIPS

**EUROPEAN
PARTNERSHIP
STAKEHOLDER
Forum 2024**

BLUE POINT | BRUSSELS

EUROPEAN PARTNERSHIPS

INNOVATIVE EUROPE & CROSS-PILLARS



The European Partnership on Innovative SMEs

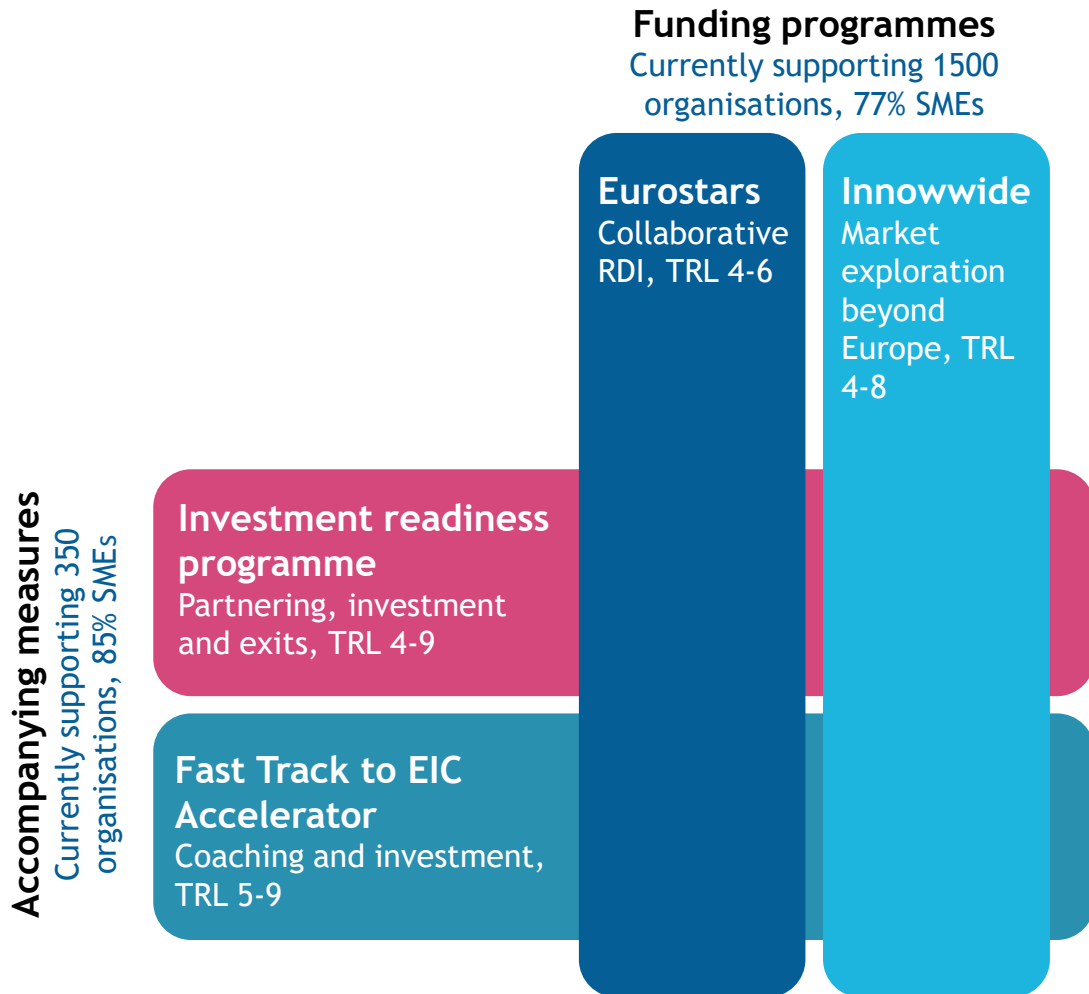
Who we are

- Eureka, innovation funding agencies in **37 countries** and the European Commission working together to support SMEs to **innovate** and bring new technologies to market
- First step in **international collaboration** for companies in all fields
- Aims to increase European **competitiveness, innovation and internationalisation**

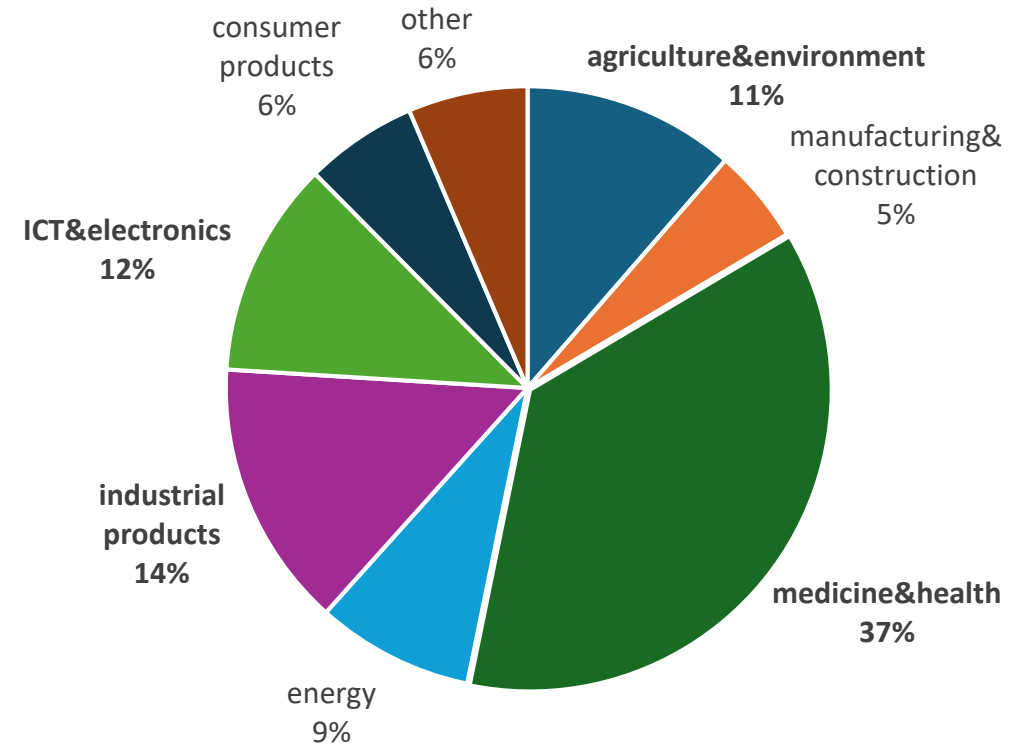


The European Partnership on Innovative SMEs

What we do



Our portfolio
Open to all technologies and markets



The European Partnership on Innovative SMEs

Our stories



3D printed seafood raises eyebrows and funds

With support from the Innovative SMEs Partnership, Austrian start-up Revo Foods is revolutionizing food production through their 3D printed plant-based seafood alternatives. The company has now raised millions in public and private funding to deploy their production process at scale.



EU e-motorbikes eye US market

Slovenian entrepreneur Marko Ukota spent 15 years racing a gasoline-guzzling supermoto. With support from the Innovative SMEs Partnership, his company Flux Performance is on a mission to deliver a greener version of dirt bike thrills to amateurs and pros alike across the US.



HE co-programmed EOSC Partnership, 2021-2030

EU Commitment: 490 MEUR / EOSC Association Commitment: 500 MEUR in-kind



EOsc Symposium 2024
21-23 October | Berlin

Strategic Research and Innovation Agenda



Open Science practices and skills are rewarded and taught, becoming the 'new normal'

Standards, tools and services allow researchers to find, access, reuse and combine results

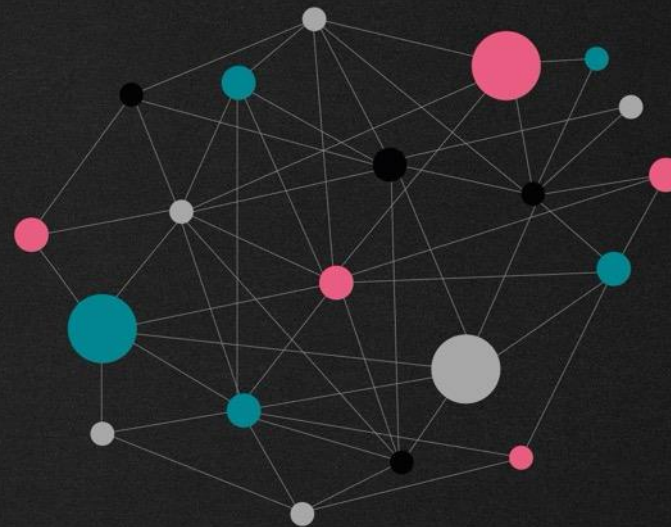
Sustainable and federated infrastructures enable open sharing of scientific results

Multi-annual roadmap sets priority activities and outcomes grouped by three implementation levels – European, National, Institutional

Three phases of MAR:

1. 2021-2022: development towards a functional federation of infrastructure
2. 2023-2024: expansion to production that generates added value
3. 2025-2027: expansion to develop impact from Open Science

EOSC post-2027: Getting ready for the future



Additional Activities

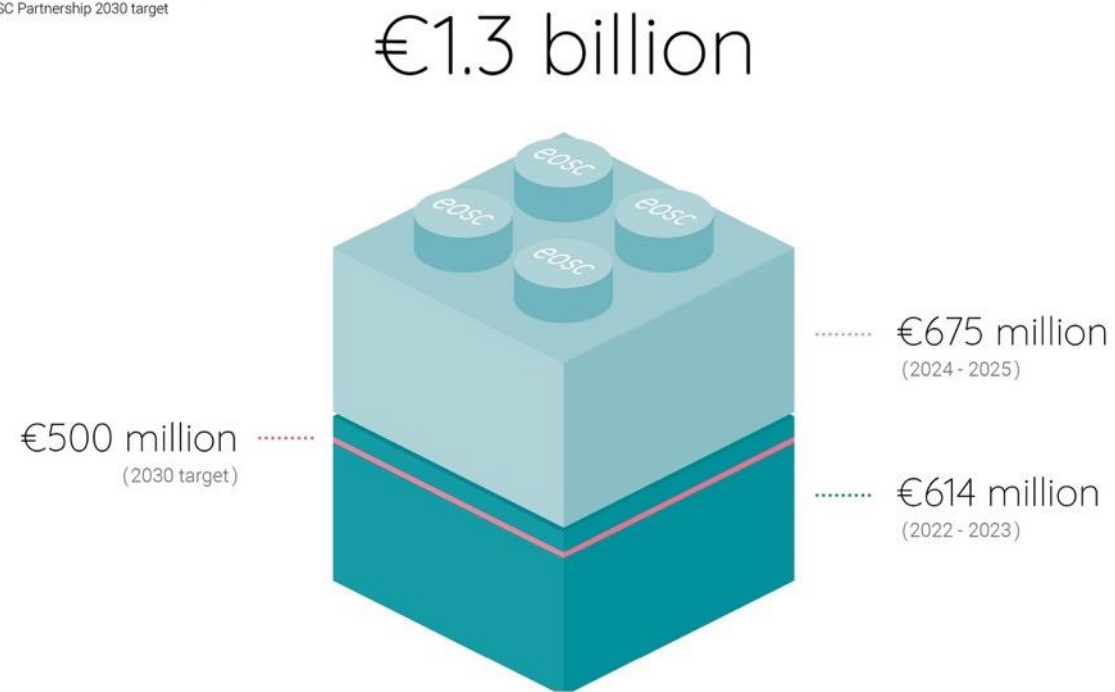
Member surveys for reported and planned Additional Activities ran throughout the summer and into the fall 2024

	AAR 2023	AAP 2025
Responses	>1/2 EOSC-A Members	>1/2 EOSC-A Members
Countries	26	23
Total	322 MEUR	340 MEUR
FTEs	2 035	2 254

AAR 2023: Endorsed by EC in Oct 2024, to be submitted for approval by the Partnership Board on 11 Dec 2024

In-kind contributions from EOSC-A Members to the EOSC Partnership

- Additional Activities Planned (AAP)
- Additional Activities Reported (AAR)
- EOSC Partnership 2030 target





InnoEnergy

39 shareholders from research,
industry, & finance



Investing in climate tech Made in Europe

Leveraging a
growing
European
climate tech
ecosystem

200+ portfolio companies

100+ worldwide cleantech VCs

2000+ Master & PhD alumni

1200+ ecosystem partners

16 engineering and business universities

15 research institutions

Co-funded by the
European Union



EIT InnoEnergy **our activities**

#1 most active climate tech investor in the European Union

Our core activities



Invest in climate tech


Invest and de-risk early-stage innovation to bring new solutions to the market faster.

Build new industrial companies to meet EU objectives.



Invest in resilient energy value chains

Create new, competitive European markets for batteries, green hydrogen and solar.



Invest in human capital

Reskill the workforce for the green transition.

Prepare the next generation for new jobs.

to meet European Union objectives

Reduce GHG emissions



Bolster European competitiveness & resilience



Ensure security of supply (energy, critical materials)



Create jobs & economic growth



EIT InnoEnergy in numbers

Our Company



200 staff **6** offices
across Europe and in Boston



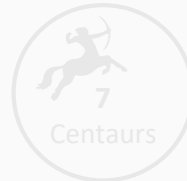
• **35** shareholders
from industry, research and finance

Investing in Climate Tech



4
Unicorns

200+ companies
in our active portfolio



7
Centaurs

€25B investment raised by portfolio

2.1Gt of CO2 saved by 2030

Our Ecosystem



Most active energy ecosystem in the world
with over

1,200 partners

Industrial leaders, investors, researchers, public
organisations

Investing in Human Capital

2000

Master's graduates

5 Master Programs

83% alumni employed in EU

67,000

upskilled learners

80 Courses and programs

10 languages for training

EIT FOOD: IMPROVING FOOD TOGETHER



At EIT Food we accelerate innovation to build a future-fit food system that produces healthy and sustainable food for all.

COLLABORATION

We connect stakeholders right across the food system to drive change through collective learning, problem solving and invention.

We are the
world's largest and
most dynamic
food innovation
community

IMPACT

Through our missions-led approach, we invest in projects, individuals and organisations that share our goals to deliver positive impact at speed and scale.

INCLUSION

We believe inclusive systems innovation, which enables all people and places to participate and benefit.



OUR MISSIONS

We operate through a mission-led approach which puts improving outcomes for people and planet as the starting point for our work. We have designed a **three-year mission funding roadmap** open to all types of food innovation with the aim to create lasting and sustainable change in the food system.



Impact Funding Framework

Route 1:
Collaborative Programmes

Route 2:
Single Projects



OUR IMPACT



Impact is at the heart of everything we do at EIT Food.

By bringing together a vibrant community across the food system, we're transforming bold ideas into actions that make a measurable difference.

Through targeted funding and collaboration, we're driving tangible change that improves lives, strengthens resilience, and protects our planet.

186 organisations in
the EIT Food
Partner network

433 organisations
receiving funding in
2023 & 2024

320.000 individual
learners since 2017

577 startups
applied for the
2024 cohorts



Dutch startup Orbisk helps reduce food waste by up to 50% in the food service sector

With innovative digital tools, Orbisk has prevented 737,520 kg of food waste from ending up in landfills. This reduction is equivalent to **saving €5.2 million in food value** and an indirect eco-cost saving of €2.56 million.

Orbisk's journey to success was bolstered by its participation in **the EIT Food's Entrepreneurship programme, RisingFoodStars.**



Our strength comes from our community, which brings together key players from across the food value chain. Our Partner network is made up of industry organisations, businesses, research centres and universities from across Europe.





Co-funded by the
European Union

EIT Manufacturing

European Partnership Stakeholder Forum

4 & 5 December 2024



EIT Manufacturing is an initiative of the European Institute of Innovation & Technology (EIT), a body of the European Union



- We are the leading pan-European community focused on fostering innovation in manufacturing through our unique active ecosystem
 - This network brings together 170+ partners including industry leaders, connecting business, startups, academics & research institutions to make innovation happen
-



Manufacturing in Europe represents:

16%

GDP

2.1 m

Enterprises

32 m

Jobs

EUR 7.2 tn

Revenue

What we do?

We foster innovation focusing on five key themes impacting the manufacturing industry.



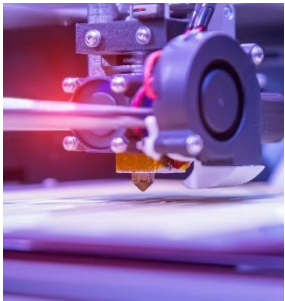
AI & data

Enhance competitiveness thanks to smart automation and virtualisation solutions



Net Zero industry

Achieve emission reduction targets through innovative solutions



Industrial metaverse

Accelerate the setup of production lines or the training of operators



Renewable energy

Local grid integration to limit fluctuating energy prices and stay competitive



Circular economy

Unlock new business models addressing resource scarcity and environmental challenges

How we do it?

STARTUPS

- Access to Finance
- Access to Market
- Mentorship & growth support
- Venture Building programme
- Investment programme & introductions

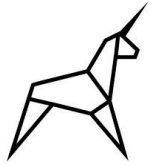
CORPS & SMES

- Network & Community building
- Corporate Innovation Challenge
- E-learning platform
- Access to other funding programmes
- Support to Commercialisation

HEI & RTOS

- Master & Doctoral Programmes
- Learning Expedition
- Support in Tech Transfer
- Tech Radar & Business Intelligence
- Access to Ideation Challenge

What are some of our successes?



STILRIDE



polestar

STILRIDE partners with **Polestar** to produce world's first climate-neutral car.

Rewriting the design rules for sustainable electromobility using origami-inspired steel folding robots.

2023

EIT Manufacturing supported startup.

2023

Stilride is part of EIT's Deep Tech Talent Initiative - Education topic on industrial origami.

2024

EIT Manufacturing Innovation Call for Proposals 2024 selection.

[Find out more:](#)



2024

EIT Award nominee.



ROBOTWIN

RoboTwin provides an alternative approach to automation in coating industry based on **motion tracking and imitation** to extract know-how and automatically generate an optimal robot Programme.

2021

The team won the EIT Jumpstarter prize.

2022

RoboTwin won the BoostUp! East 2022 in Vienna.

2022

EIT Manufacturing supported the team in start-up creation.

2022

Startup created and first pilot customers.






[Find out more:](#)

2023

Innovation project for further development and commercialisation.



We are the leading network for urban transport innovation across Europe

-  **SOUTH**
Barcelona
-  **WEST**
Amsterdam
-  **EAST**
Prague
-  **CENTRAL**
Munich
-  **NORTH**
Copenhagen
- HEADQUARTERS**
Barcelona

EIT Community Regional Innovation Scheme Hubs



Albania
Bulgaria
Croatia
Cyprus
Czechia
Estonia

Outermost region France
Greece
Hungary
Italy
Latvia
Lithuania
Malta
Montenegro
North Macedonia
Poland
Portugal
Romania
Serbia
Slovakia
Slovenia
Spain
Türkiye
Ukraine

Status: October 2024

We engage in four main intervention areas to drive change



MATCH AND CONNECT

Connecting private and public sector partners to access markets, talent, finance and knowledge



TALENT TO BUSINESS

Fostering entrepreneurship through practical learning



INNOVATIONS TO MARKET

Piloting market-ready solutions in cities



STARTUPS TO SCALE

Boosting startup growth for long-term impact

We focus on innovations that most efficiently support cities on their way to net zero



Public transport



Electrification



Mobility data management



Urban logistics



Health and mobility

...where our community has the potential to contribute the highest impact

Impact stories

Rapid Applications for Transport (RAPTOR) is a call on agile innovation.

It supports cities to find and pilot cutting-edge solutions, developed by SMEs, to their urban mobility challenges.

So far, 68 pilots in 44 cities from 17 countries; 95% led to procurement by the pilot client or other entity.

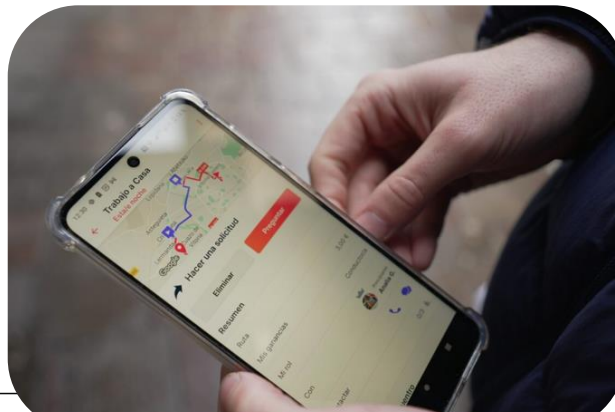


Smart Nudges for Active and Secure School Mobility by NUDGD, piloted in the City of Helsingborg in 2023

The **SME Market Expansion Call** is a call on entrepreneurial innovation.

It supports SMEs to develop or improve a product/service/solution for expansion into a new industry sector or a new geographic area.

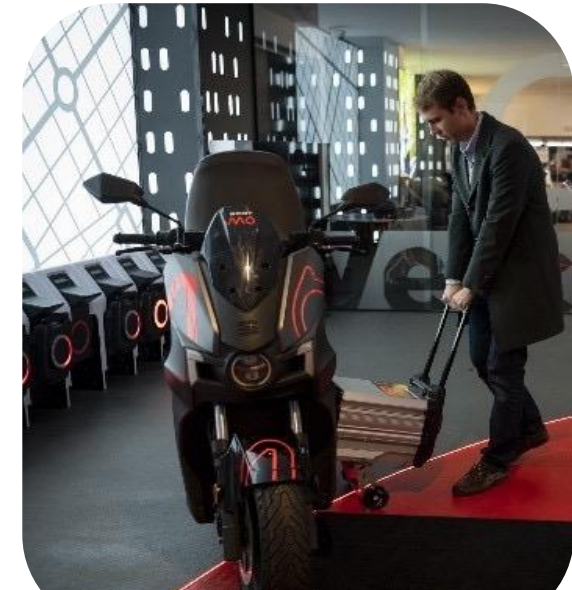
It provides SMEs with an opportunity to do full usage testing with a live end-client within the project implementation.



Karos Mobility carpooling application, piloted in Victoria-Gasteiz in 2023

The **Main Innovation call** is for consortia to resolve mobility challenges in EU cities.

Supports piloting of new solutions that are close-to-market and approaching commercial viability and sales.



Swappable battery ecosystems to accelerate fast-charging and sustainable e-mobility. ECOSWAP, 2022

TURNING INNOVATION INTO IMPACT

1

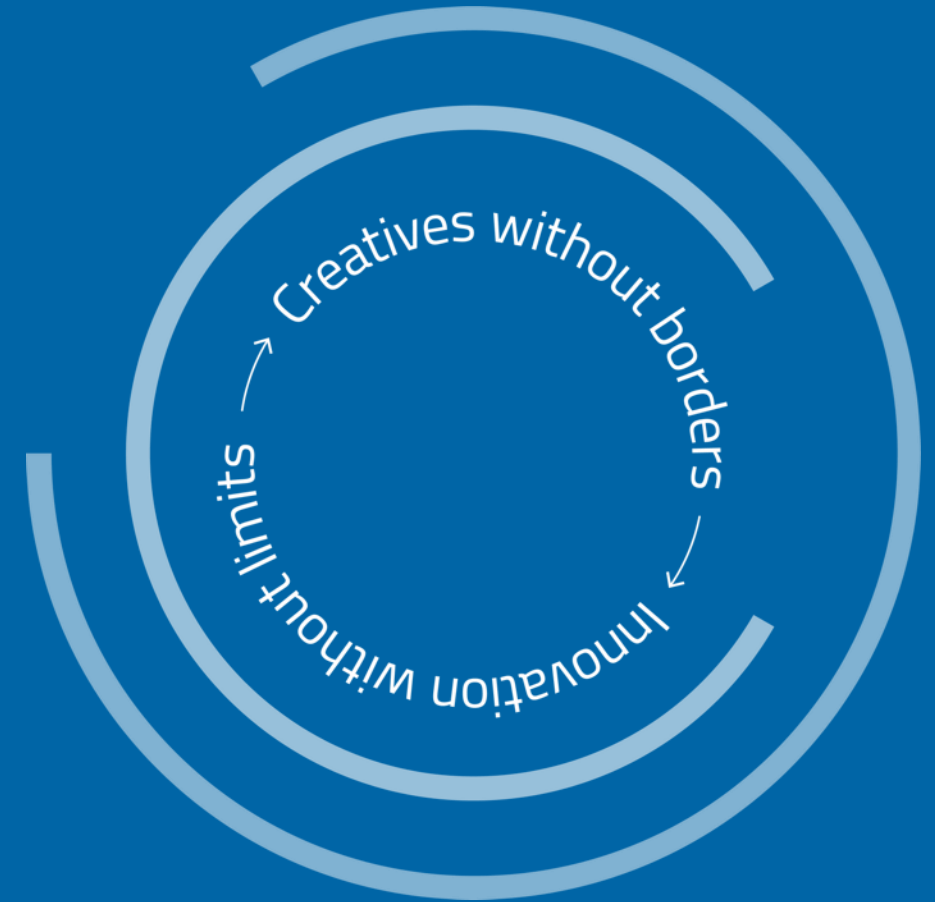
Scale and compete in global markets

2






Increase resilience for European Cultural and Creative Sectors and Industries

3

Accelerate transition towards sustainable and responsible growth



OUR FOCUS AREAS

	Fashion	Moving towards sustainable production and consumption in line with EU circular economy standards.
	Architecture	Using innovative technologies and circular, fair practices to maintain, renovate, or rebuild architectural sites and buildings to meet net-zero goals .
	Cultural Heritage	Adapting heritage sites to climate change and enhancing social cohesion .
	Audio-visual & Media	Promoting responsible technologies from EU companies to protect consumers and reduce environmental impact.
	Gaming	Supporting EU SMEs in adopting AI, no-code tools, user-generated content while promoting digital ethics .

THE EU OFFICIAL PARTNERSHIP FOR CULTURE AND CREATIVITY

More than
60 PARTNERS

Activities in
30 COUNTRIES

6 REGIONAL HUBS

Amsterdam, Barcelona, Bologna,
Helsinki, Košice and Vienna.

