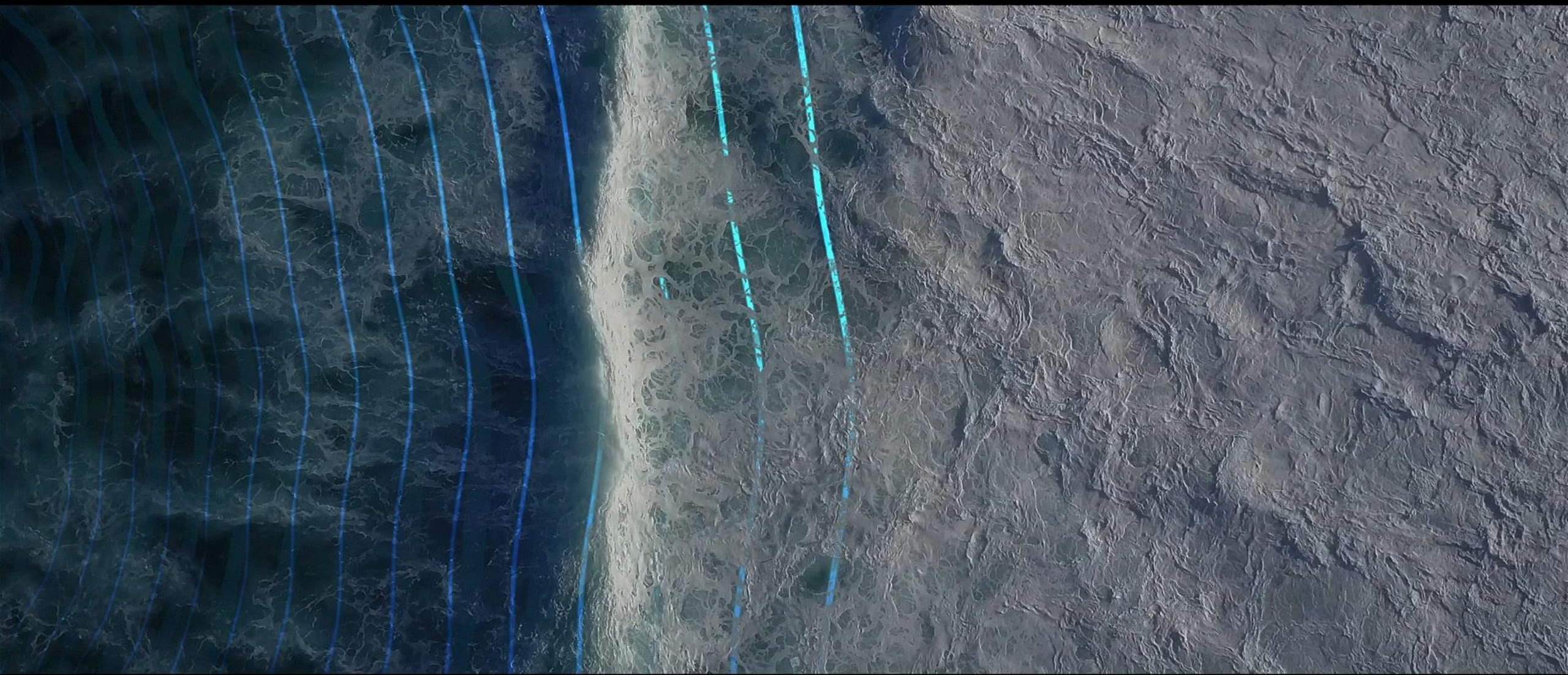


INNOVATING WITH THE EIT & CREATING A NEW PARTNERSHIP

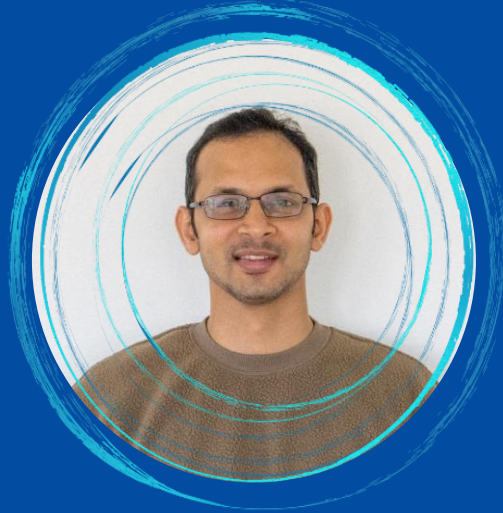
18 September 10:30–11:30 CET
Online Information Session



TODAY'S AGENDA



Antoaneta Angelova-Krasteva
Director for Innovation, Digital
Education and International
Cooperation, DG EAC,
European Commission



Karthik Laxman
Co-founder & CTO at Stockholm
Water Technology, former EIT
Awards winner



Martin Kern
Director of European
Institute of Innovation &
Technology (EIT)



Maria Tsavachidis
CEO of EIT Urban Mobility

SOME RULES

- Ask your questions using the Q&A function
- All the slides will be available on our website
- If your question does not get answered today, you can find the answer on our website afterwards or directly in one of the next sessions
- This session is being recorded and uploaded to the [EIT website](#).

A NEW KIC AS AN INTEGRAL PART OF HORIZON EUROPE

Antoaneta Angelova-Krasteva

Director for Innovation, Digital Education and
International Cooperation, DG EAC, European
Commission

Political context

- **Mid-term evaluation of Horizon Europe and preparation of next framework programme for Research and Innovation**
 - Innovative Europe study
 - Biennial Monitoring Report
- **Political guidelines of Commission President**
- **Draghi and Letta reports**

EIT Strategic Innovation Agenda (SIA) 2021-2027

- **KIC on Water, Marine and Maritime Sectors and Ecosystems to be launched in 2026**
- **Challenges described in factsheet**
- **Commission ex-ante analysis requested**

Commission ex-ante analysis - findings

- 1/ In spite of efforts and progress, the identified challenges still persist: water scarcity, droughts, and floods; marine and freshwater degradation; transition to a sustainable blue economy
- 2/ The water, marine and maritime field is relevant for setting up a KIC on water, marine and maritime sectors and ecosystems
- 3/ Synergies and complementarities with existing initiatives and policies need to be sought

Synergies and complementarities

- **With other KICs**
- **Within Horizon Europe**
 - European Innovation Council (EIC)
 - Missions
 - Partnerships
- **Policy frameworks**

INNOVATING WITH THE SUPPORT OF EIT KICs

Karthik Laxman

Co-founder & CTO at Stockholm Water Technology,
former EIT Awards winner

An aerial photograph of a Swedish archipelago, likely in the Stockholm region. The image shows numerous islands of varying sizes, densely covered with green and yellowish-brown trees, indicating a mix of deciduous and coniferous forests. The water is a deep blue, with some smaller islands and rocks visible in the distance. The sky is a pale, hazy blue. The overall scene is serene and natural.

Stockholm Water Technology

Bringing Sustainability to Water treatment

Karthik Laxman Kunjali – Co-Founder & CEO

Email: Karthik@stockholmwater.com

Water crisis is looming

Is water the next Gold Rush?



Is water tech the next frontier for investment?

Water tech could be the next gold rush for European VCs

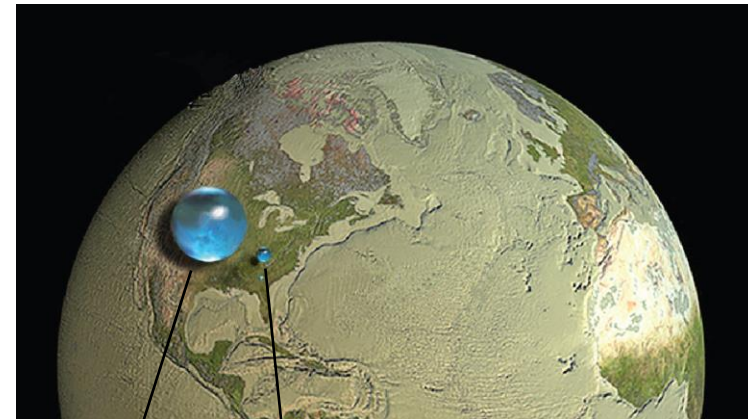
Technologies to tackle water-related risks have been chronically underfunded for decades. Could the tide be turning?

WATER IS AN INHERITANCE

By 2030, the global water demand is expected to outstrip the supply by 40%

World Bank Blogs, October 2023

Water issues affect industries and people



Salt Water

Fresh Water

SWT provides a sustainable solution for fresh and wastewater treatment

The Solution: Sustainable & smart water solutions

Solving the water issue



Sustainable & Circular Water Economy is the KEY

Securing the future of water

Scope for innovation & policy in water

1 Reduce wastage

- Leak detection in pipes
- Smart sensors



2 Recycle Water

- Technologies for water reuse
- Emerging pollutant removal



3 Water analytics

- IoT coupled decision system
- Optimization of water & energy use



4 New regulations

- New regulations create challenges



SWT addresses the key challenges in water treatment and recycling

1) Industry and residential use

Source: National Ground Water association, Company information

SWT builds supercapacitors which clean water & store energy

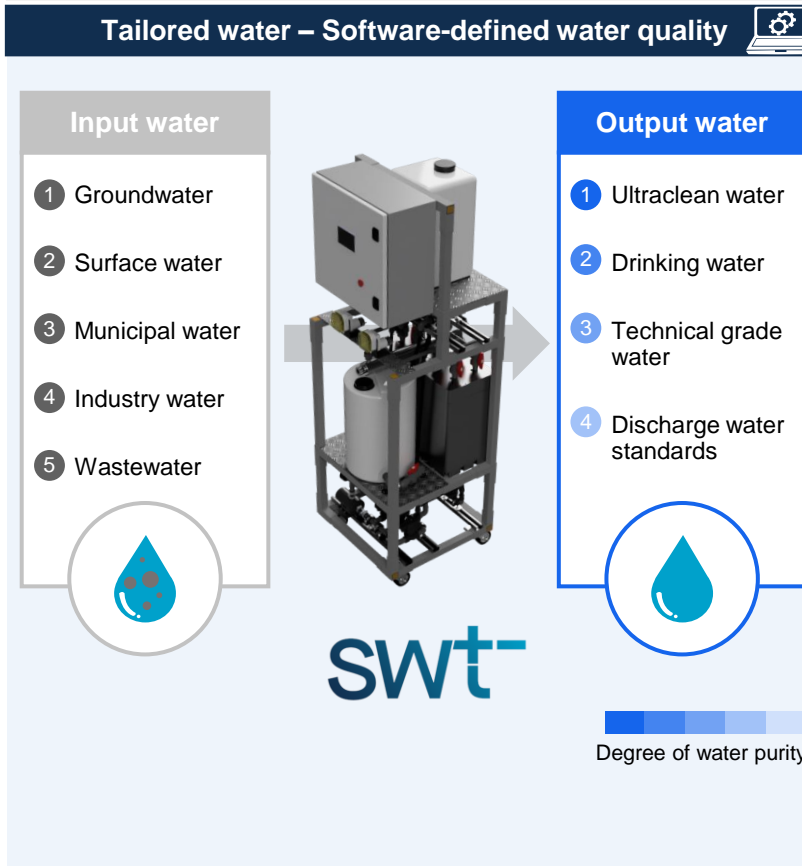
SWT's patented technology based on electro-capacitive principles

Clean water and
Store energy simultaneously

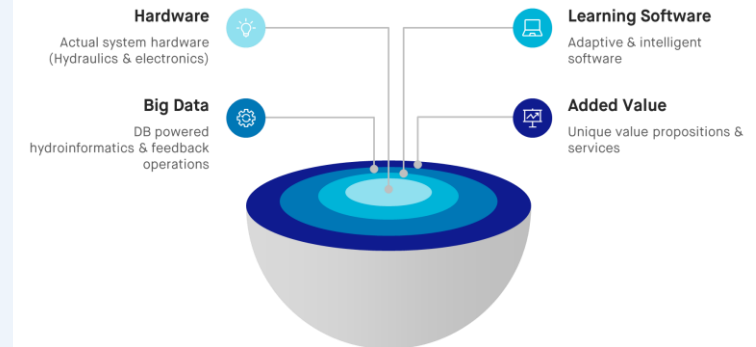


Software defined water output

Tailored water – Software-defined water quality



Data driven operation

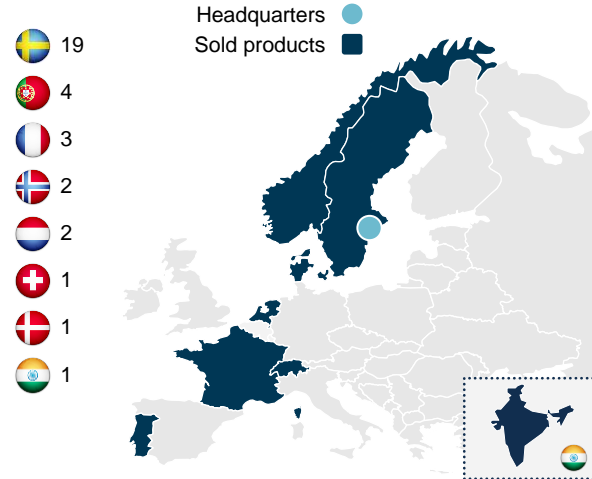


- ✓ Integrated big data and trends
- ✓ Highly flexible solution – easy adaptation
- ✓ Remotely manage water treatment
- ✓ 24/7 operation and manpower free



SWT customers in multiple countries

33 units sold globally



	INDUSTRIAL water <ul style="list-style-type: none"> • Water Softening • Heavy metal removal
	INDUSTRIAL & MUNICIPAL Wastewater <ul style="list-style-type: none"> • Nitrates, phosphates removal
	MUNICIPAL Water & Wastewater <ul style="list-style-type: none"> • Pesticide removal • Pharmaceuticals removal

Example customers



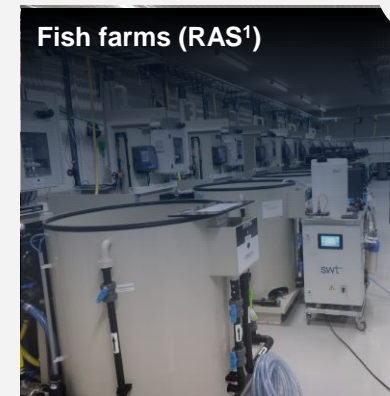
Big names currently using SWT products



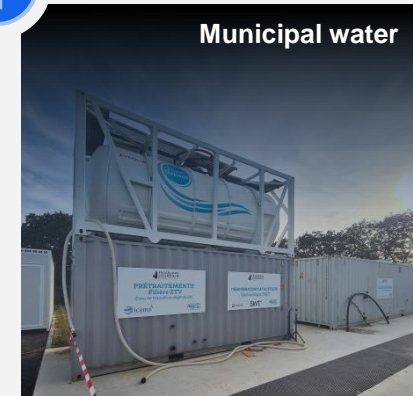
Heavy industries



Beverages

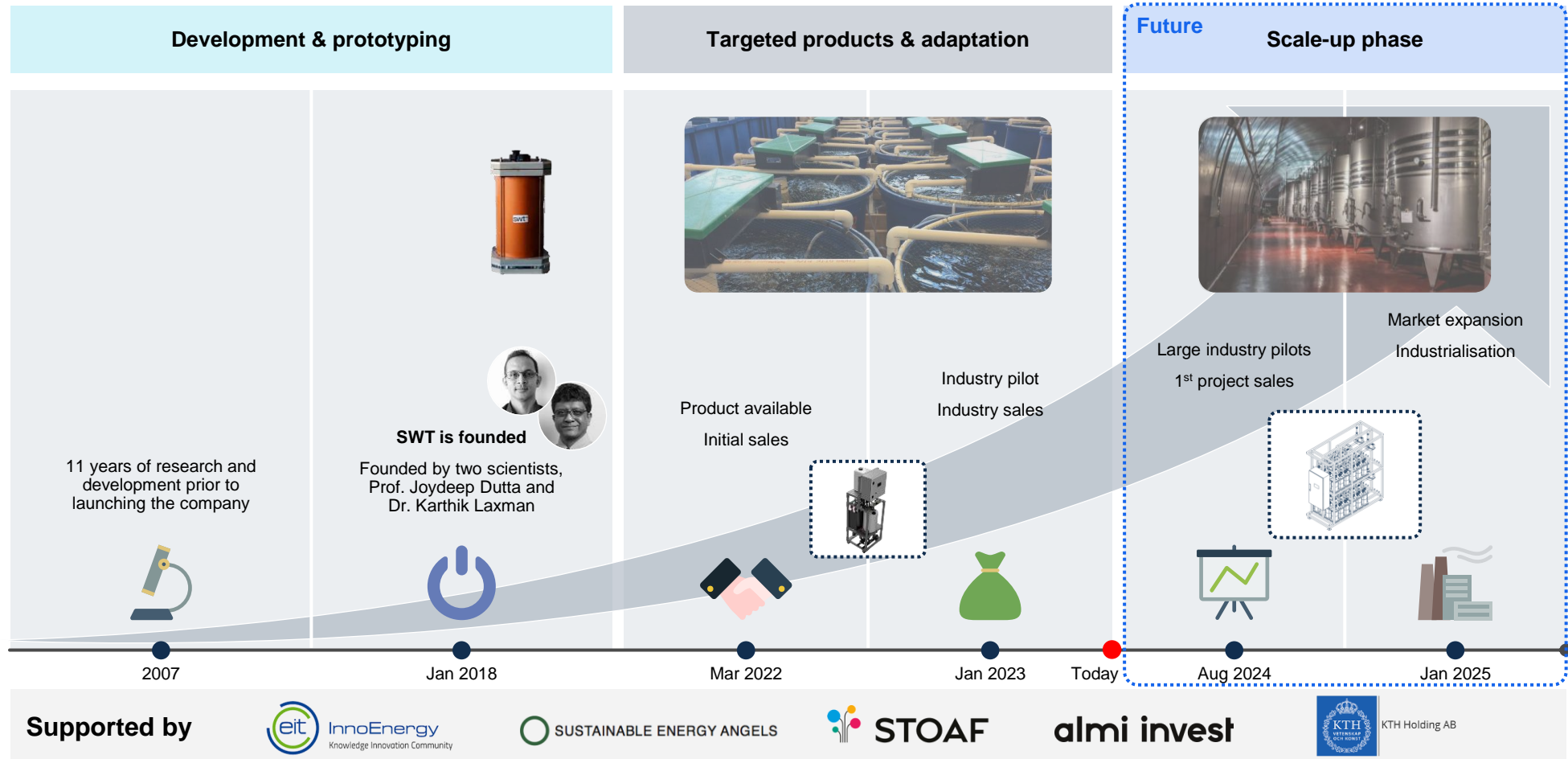


Fish farms (RAS¹)

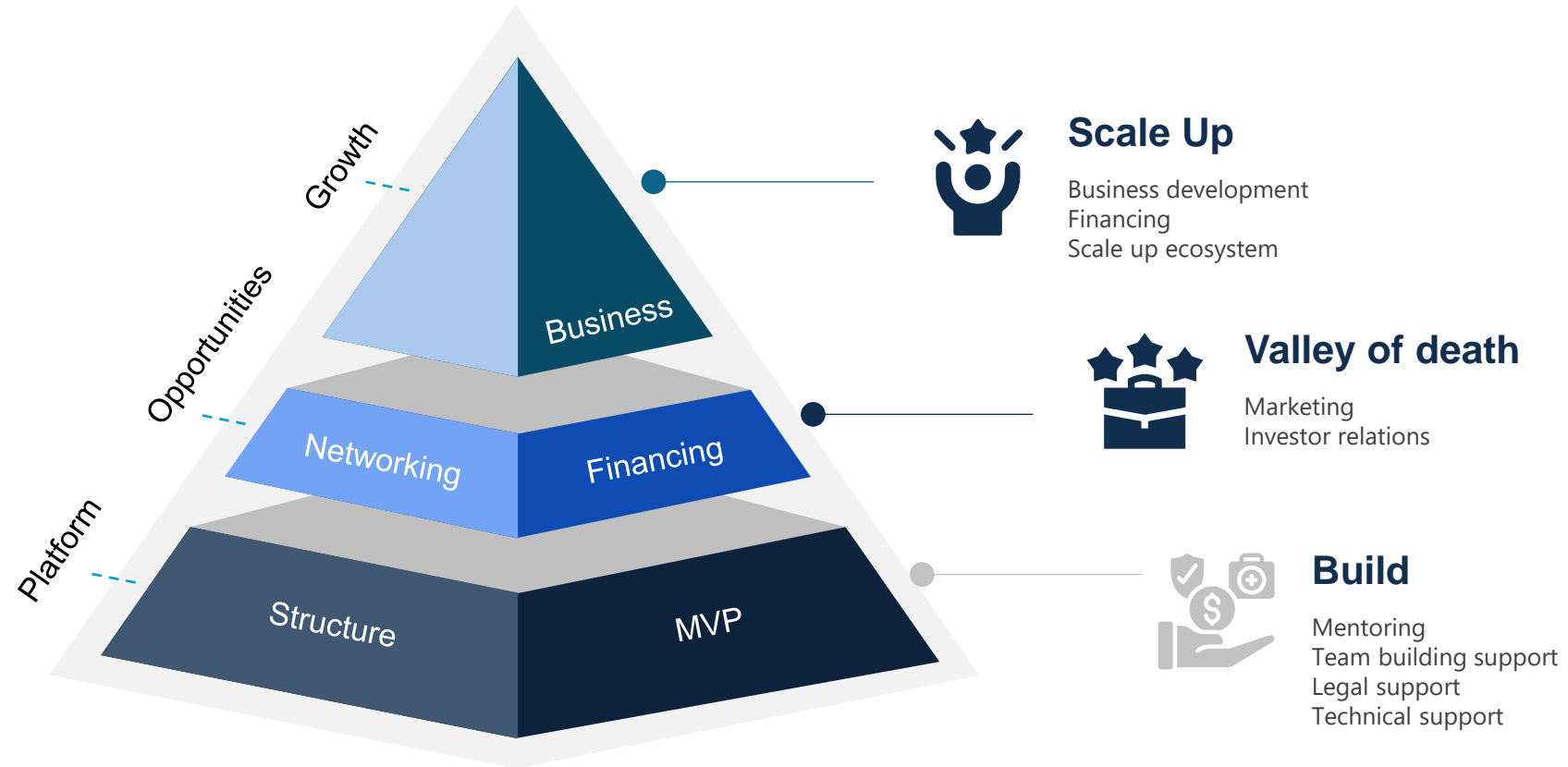


Municipal water

SWT Journey – Scale Up phase



Link to EIT InnoEnergy





swt-

Bringing circularity & sustainability
to Europe's water resources

Contact:

Email: karthik@stockholmwater.com

Mobile: +46 (0) 72 8585 399

LinkedIn: [linkedin.com/in/karthik-laxman-b2984736](https://www.linkedin.com/in/karthik-laxman-b2984736)

[stockholmwater.com](https://www.stockholmwater.com)

MAKING INNOVATION HAPPEN

Martin Kern
EIT Director



EIT WATER

powering innovation in freshwater, marine, maritime sectors and ecosystems

- High innovation potential
- Imminent threats:
 - one third of the EU territory is exposed to water stress
 - ocean acidity has increased by 30%
 - and mismanagement of natural resources and changing land, freshwater & sea uses.
- Sectors are diverse & in parts fragmented

Source: [European Environment Agency](#)
August 2024

EIT SOLVING GLOBAL CHALLENGES

Climate Change



Digitalisation



Sustainable Energy



Health



Securing Raw Materials



Manufacturing



Food & Agriculture



Urban Mobility



Culture & Creativity



Fresh Water & Marine

COMING SOON



MEET THE EIT KNOWLEDGE & INNOVATION COMMUNITIES (KICs)

EIT CLIMATE-KIC

Accelerating the transition to a zero-carbon economy

EIT DIGITAL

Drive Europe's digital transformation

EIT INNOENERGY

Achieve a sustainable energy future for Europe

EIT HEALTH

Healthier lives for EU Citizens

EIT RAWMATERIALS

Develop raw materials into a major strength for Europe

EIT MANUFACTURING

Increase Europe's manufacturing competitiveness

EIT FOOD

Lead a global revolution in food production & innovation

EIT URBAN MOBILITY

Smart, green & integrated transport

THE EIT KICS AND THEIR PARTNERS MAKE UP THE
EIT COMMUNITY

EIT CULTURE & CREATIVITY

Unite Europe's creatives

EIT WATER

COMING SOON*

*Call text expected early 2025

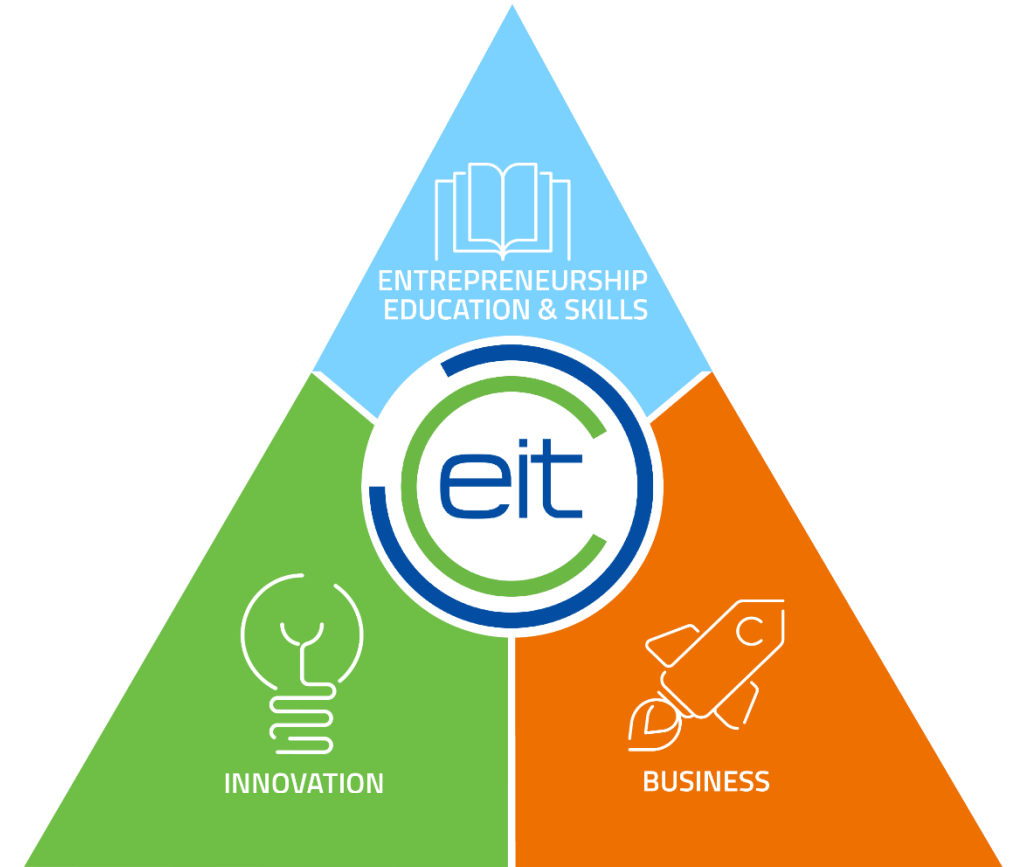
HOW DO WE INNOVATE?

Europe is home to a diverse set of universities, research facilities and business, buzzing with entrepreneurs and innovators. However, they are spread out across national borders and have difficulties in commercialising their research...

...it's the EIT's job to help them no matter where they are in Europe and bring innovations to market.

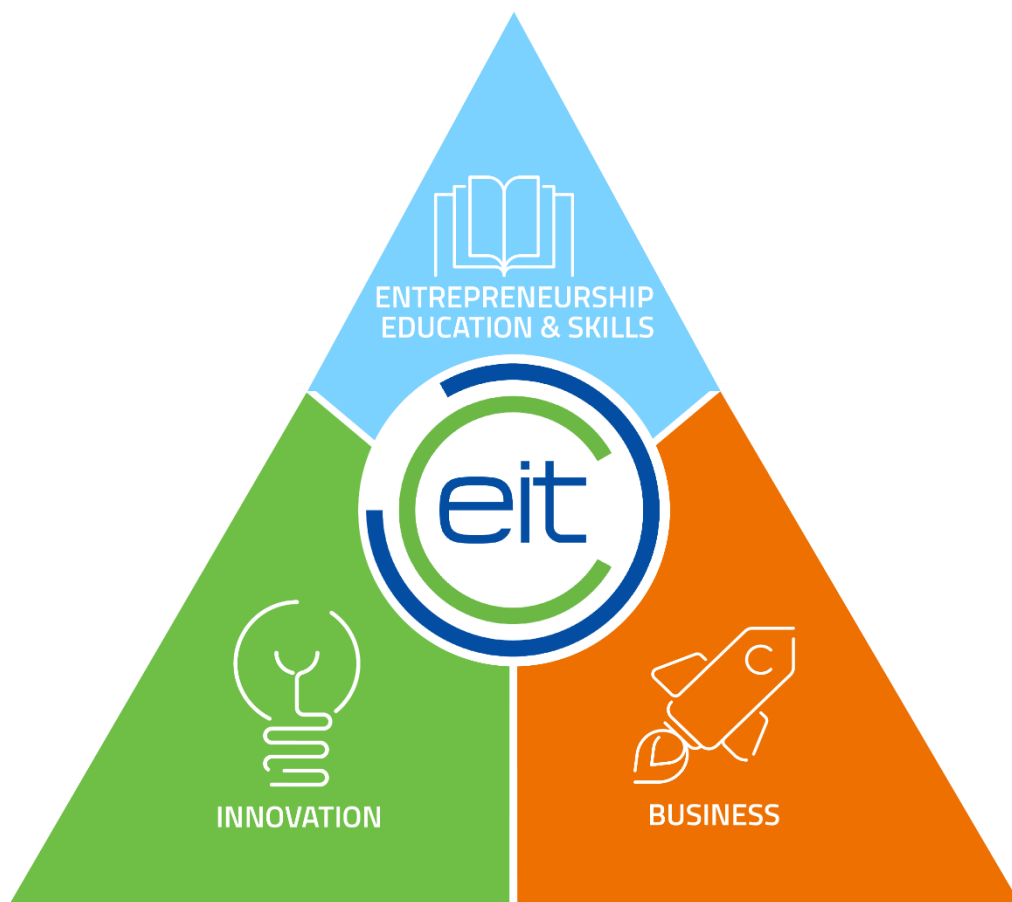
As Europe's largest innovation ecosystem, we break down fragmentation, boost businesses, train Europeans in new skills and commercialise research.

We connect partners in a public-private partnership called a **Knowledge and Innovation Community (KIC)**.



The **EIT Model** is based on the Knowledge Triangle Integration

WHAT DO WE DO?



[WATCH VIDEO](#)

ENTREPRENEURSHIP EDUCATION & SKILLS

Innovation capacity building at all levels.

A wide array of innovation and entrepreneurship courses designed to train students, professionals and Higher Education Institutions to respond to today's market demands.



[WATCH VIDEO](#)

INNOVATION

Connecting innovators from local to global.

Europe's largest innovation network will connect you to like-minded partners, and help at every step: commercialising your research, finding new customers, investors and suppliers to fast-track your growth.



[WATCH VIDEO](#)

BUSINESS

Turning ideas into businesses.

Benefit from our support services including funding, coaching, business plan development and much more.



KEY ELEMENTS OF A KIC:

- **Ecosystem** – fosters innovation via diversity and openness
- **Culture** - strong entrepreneurial mindsets at national, European and international levels
- **Strategy** – agendas that are long-term, focused and impactful
- **Sustainability** – objective of self-financing ecosystems
- **Result-based funding** - with high degree of partner commitment
- **Impact** - assessment & monitoring framework



European Institute of
Innovation & Technology

A body of the European Union



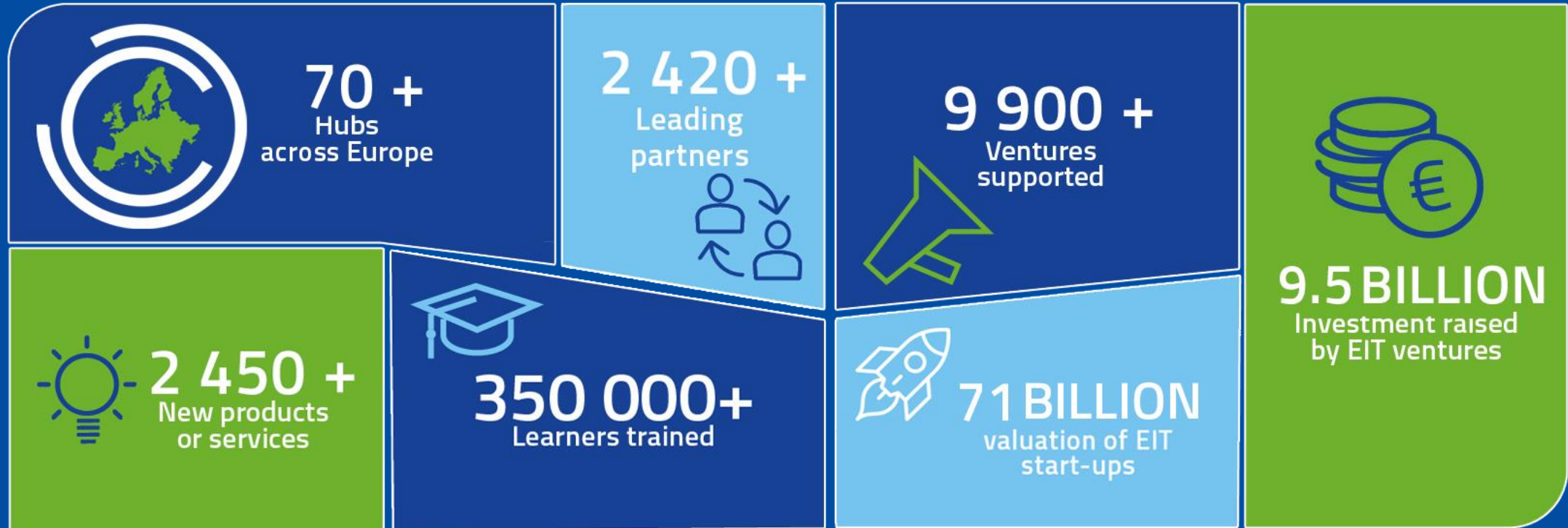
WHERE ARE WE?

The European Institute of Innovation and Technology (EIT) is Europe's largest innovation ecosystem. The EIT Community is spread across Europe and beyond in over 70 + innovation hubs.

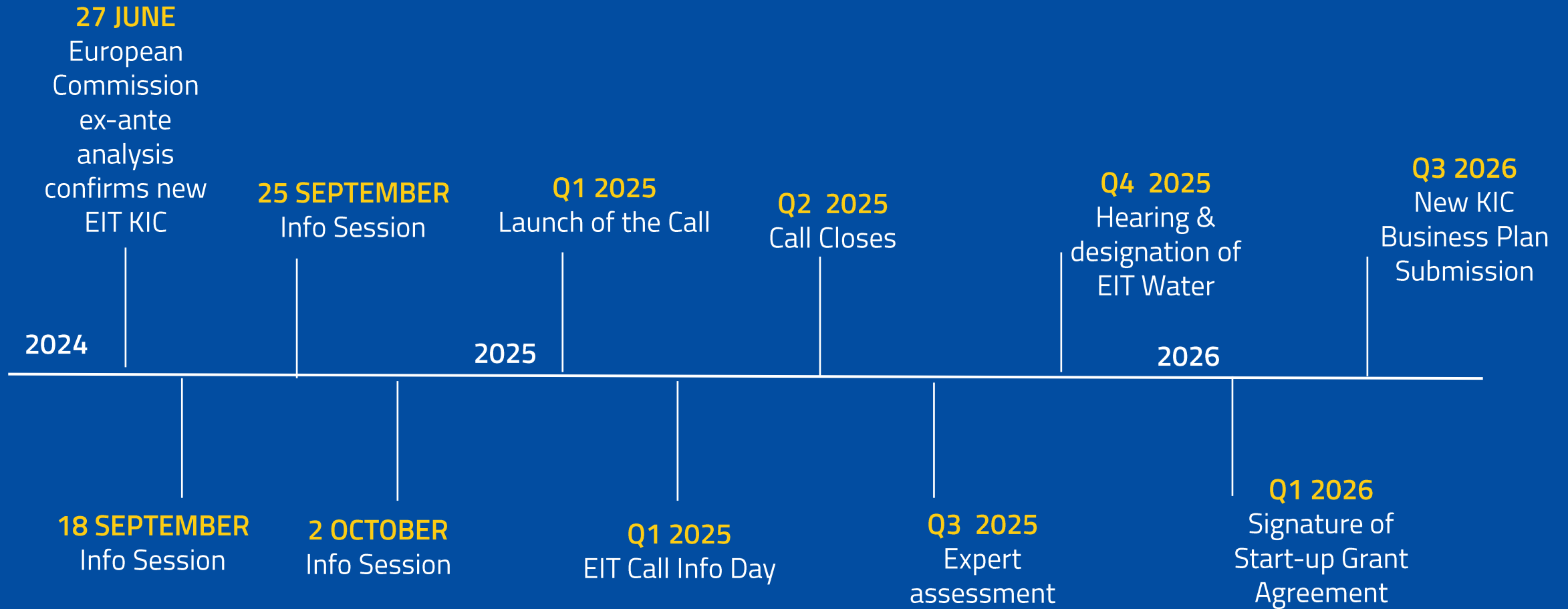
The EIT is an integral part of Horizon Europe, the European Union's framework program for Research and Innovation.



OUR IMPACT SO FAR



INDICATIVE ROADMAP: EIT WATER



JOIN OUR NETWORKING APP!

- Team up with partners
- Learn about the EIT's innovation model
- Stay up to date with the EIT Website:
eit.europa.eu and social media

[REGISTER HERE FOR NETWORKING APP](#)



BECOMING AN EIT INNOVATION COMMUNITY

Maria Tsavachidis
CEO of EIT Urban Mobility



EIT Urban Mobility Learning Journey



Co-funded by the
European Union



We support cities on their way to net zero – mitigating climate change, improving life for citizens, creating jobs in Europe



Public transport



Electrification



Mobility data management



Urban logistics



Health and mobility

**IMPROVING QUALITY
OF LIFE IN CITIES**

**MITIGATING AND ADAPTING
TO CLIMATE CHANGE**

**CREATING JOBS AND
STRENGTHENING THE EUROPEAN
URBAN MOBILITY SECTOR**

EIT Urban Mobility Northstar: “The trusted companion for change in urban mobility!”



**Europe's leading
mobility
innovation
Ecosystem**

**We connect mobility champions,
disruptors and early-adopter
cities**



**Trusted innovation
broker &
companion for change**

**We accelerate adoption of
impactful innovation**



**The European
Academy for
innovation and
entrepreneurship**

**We skill Europe's change makers,
innovators and entrepreneurs**



**Go-to
impact investor
in mobility**

**We nurture startups that
make an impact**

FROM...

***An EU funded start-up, testing-and-learning
new offerings to create value and generate revenue***

TO...

***Financially sustainable trusted companion for change in
urban mobility***

After successful start-up, we now ramp up to become “The trusted companion for change in urban mobility”

Start-up 2019-2022

Building foundation and
partner network

- Build excellent programmes
- Set up efficient processes
- Build operational capacity for ramp-up
- Create a broad portfolio of startups, solutions, courses

Ramp-up 2023-2025

Positioning EIT UM as leading
mobility ecosystem driving EU’s
strategic priorities and high-
impact markets

- Raise our profile and relevance on EU priorities
- Boost connections in our ecosystem
- Gear portfolio & organization towards high growth, post yr15 business model

Maturity 2026-2033

Becoming the “Trusted
companion for change in
urban mobility”

- Create **impact at scale**
- Mobilize **private and public funding** for EIT UM’s “perpetual innovation fund”

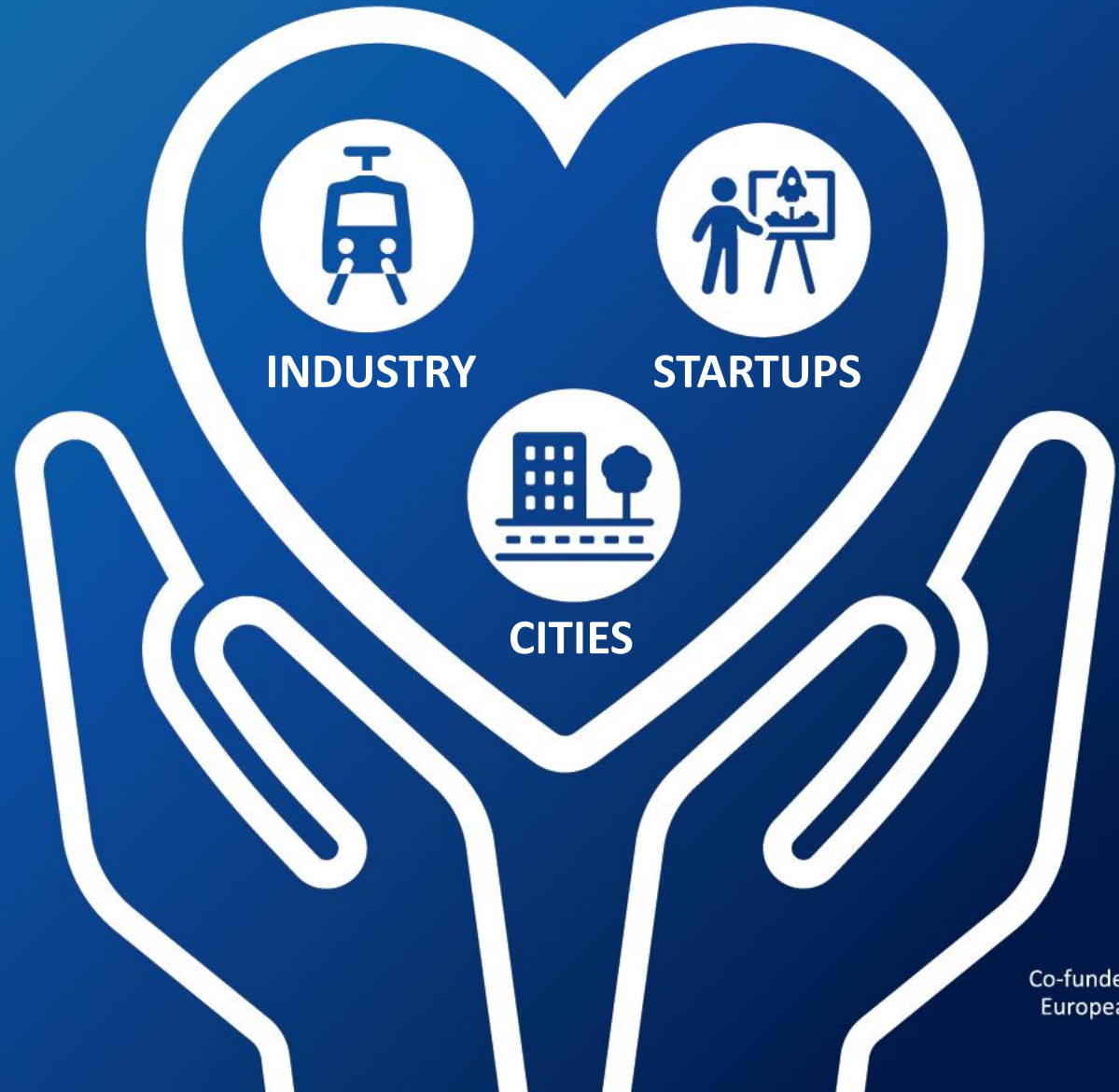
EIT Urban Mobility ecosystem enables cities, industry and startups to innovate faster - together

- Investable innovations
- Access to finance
- Training and talent

FOR THE GREEN MOBILITY TRANSITION

Enabling Ecosystem:

- Universities
- RTOs
- NGOs
- Regulators



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

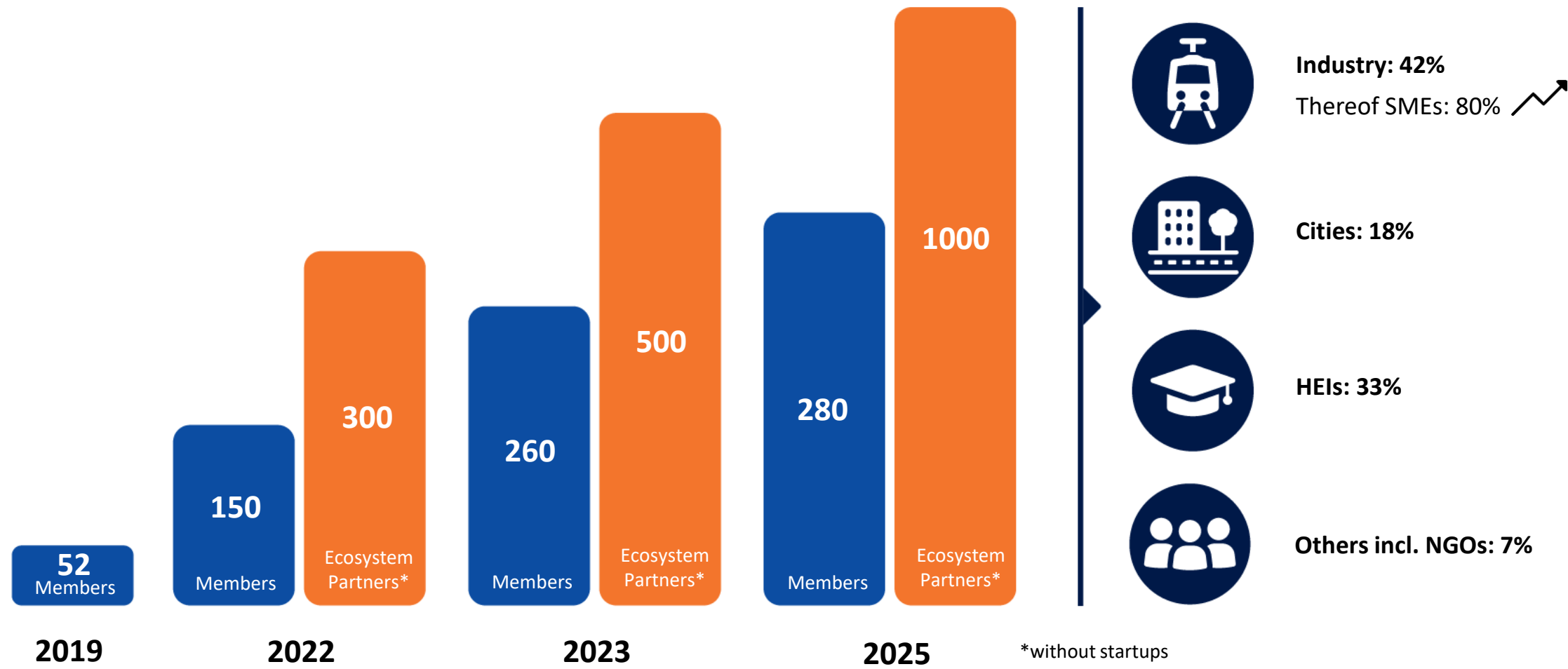
Piloting market-ready solutions in cities



Startups to scale

Boosting startup growth for long-term impact

Our ecosystem is what differentiates us: Driving relevance, excellence and engagement



TOMORROW. MOBILITY

WORLD CONGRESS

7-9 NOVEMBER 2023
BARCELONA



WITHIN THE
FRAMEWORK OF: **SMARTCITY**
EXPO WORLD CONGRESS

CO-LOCATED
WITH:

**TOMORROW.
BUILDING**
WORLD CONGRESS

**TOMORROW.
BLUE ECONOMY**
WORLD CONGRESS



Co-funded by the
European Union



CO-ORGANISED BY:



1,106 EXHIBITORS

20% NATIONAL

80% INTERNATIONAL

2022 853
2023 1,106

30% more
vs. 2022

50% more exhibition space vs. 2022

25,300 ATTENDEES

48% NATIONAL

52% INTERNATIONAL

2022 20,423
2023 25,300

24% more
vs. 2022

TOP VISITING COUNTRIES IN 2023

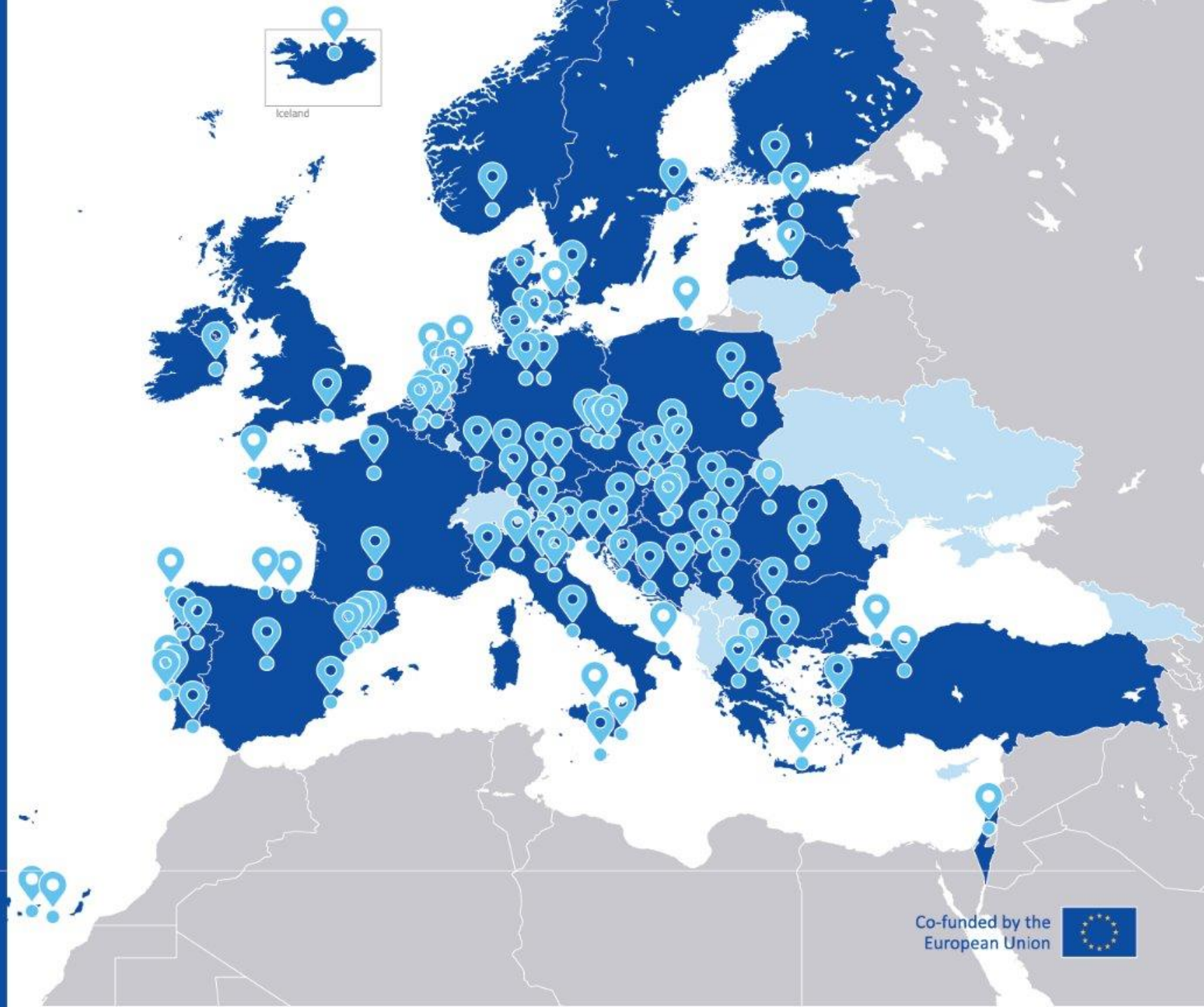
Spain
 Germany
 France
 Italy
 South Korea
 Netherlands

United Kingdom
 USA
 Belgium
 Portugal
 Brazil
 Saudi Arabia

577 SPEAKERS 273 SESSIONS 140 COUNTRIES 800+ CITIES

Creating impact in
cities across Europe

250 pilots in
110 cities



Europe's Top Mobility Investor 2023

EIT Urban Mobility was named “Europe's top mobility investor 2023”

Named as such in “*State of European Mobility Startups 2023*” - a report compiled by **Via ID** and **Dealroom**.

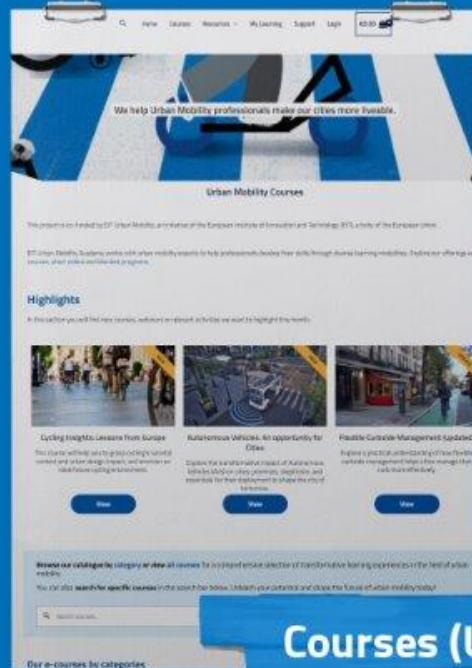
62 mobility rounds in 2023 and a portfolio of 143 companies

Percentage of women-led companies **36%**.

Top investors in European Mobility startups (2018-2023):

	Investor Country	Preferred round	Mobility rounds 2023	Mobility rounds 2018-2023
	Spain	SEED	62	128
	France	SEED	22	83
	Belgium	SEED	14	47
	Germany	SEED	7	13
	Germany	SEED	7	8
	France	SEED	6	11
	United Kingdom	SEED	5	18
	Germany	EARLY VC	5	13
	Netherlands	SEED	5	7
	France	SEED	5	7
	Spain	SEED	5	6
	Austria	SEED	4	26
	Germany	SEED	4	15
	United Kingdom	SEED	4	12
	Türkiye	SEED	4	7

Source: Via ID, Dealroom: State of European Mobility Startups 2023



24K
subscribers

175
videos produced

4.5M
views

28
countries featured

32,000
e-learners

1.2K
applied learners

7,000
completions

860
course completions

A KIC is not a project. It's an ecosystem with
an enduring purpose.

You are not in it to play the game.

You are in it to change the game.

STAY TUNED!

KEY EIT ACTIVITIES – EDUCATION, INNOVATION AND BUSINESS CREATION

25 September 10:30–11:30 CET
Online Information Session

[REGISTER HERE](#)

NUTS AND BOLTS OF A FINANCIALLY SUSTAINABLE INNOVATION ECOSYSTEM

2 October 10:30–11:30 CET
Online Information Session

[REGISTER HERE](#)

USEFUL LINKS

- [Dedicated section on the EIT website](#)
- [Networking platform](#)
- [European Commission Study on the relevance of the proposed future EIT KIC](#)
- [European Commission Staff Working Document on the relevance of a new Knowledge and Innovation Community](#)
- [EIT Water factsheet](#)
- [EIT Strategic Innovation Agenda 2021-2027](#)



Follow our LinkedIn channel for updates!





A body of the European Union

