



# HORIZON

## EUROPE

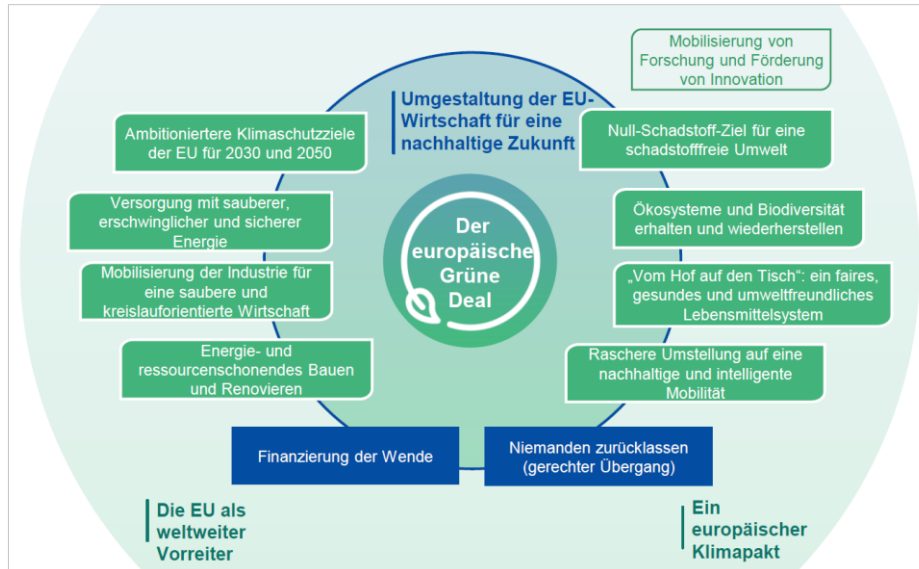
## ÜBERBLICK ZU HORIZON EUROPE AUSSCHREIBUNGEN 2025 & BEYOND

Siegfried Loicht | FFG – Europäische & Internationale Programme

11. Jänner 2025, HyPA Webinar



# EU GREEN DEAL – HERZSTÜCK ZUR DEKARBONISIERUNG

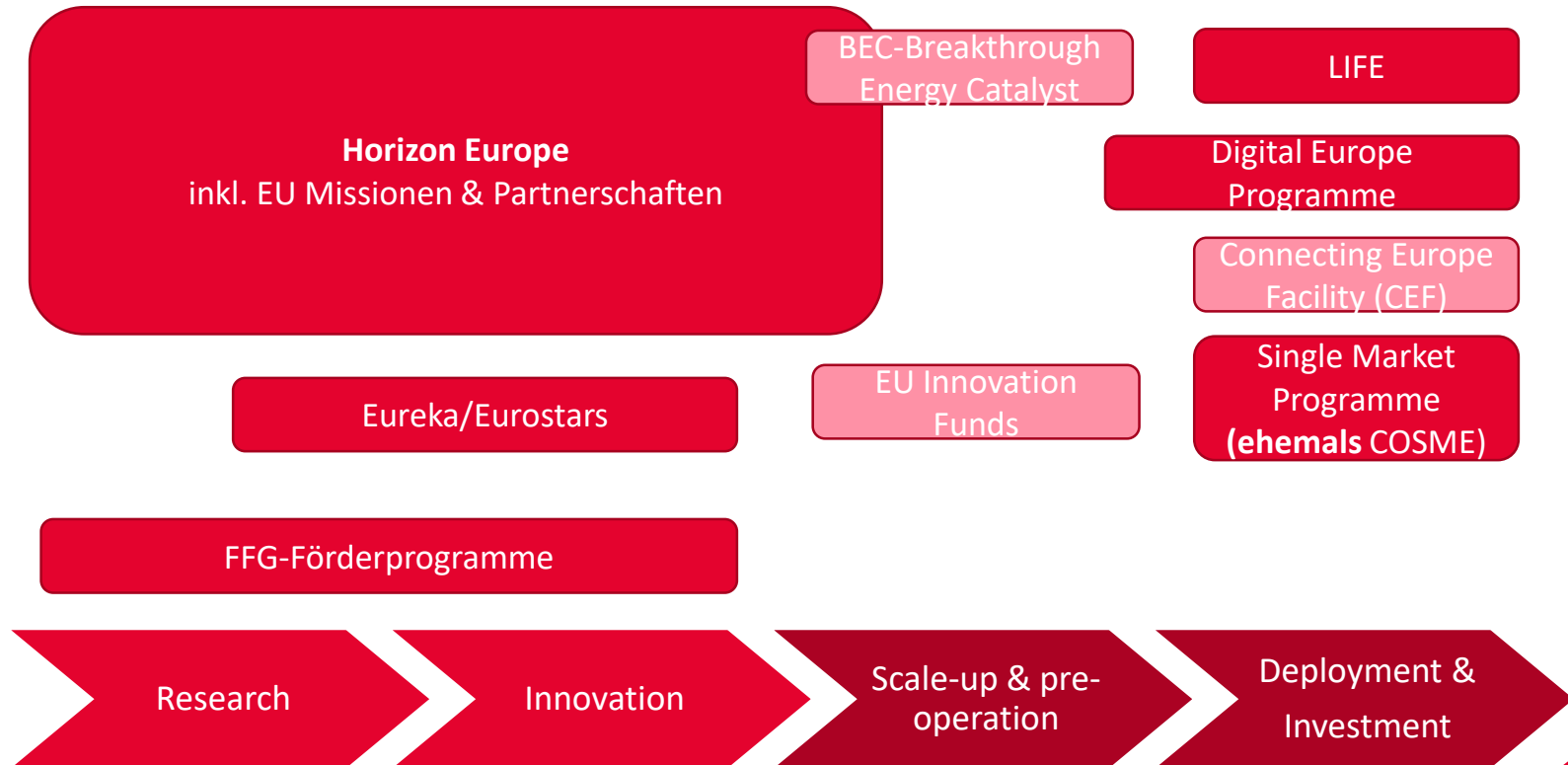


Der Green Deal bekommt rd. 600 Mrd. Euro aus dem EU-7-Jahresbudget & NextGenerationEU-Konjunkturprogramm!

## Ausgewählte Policy-Highlights:

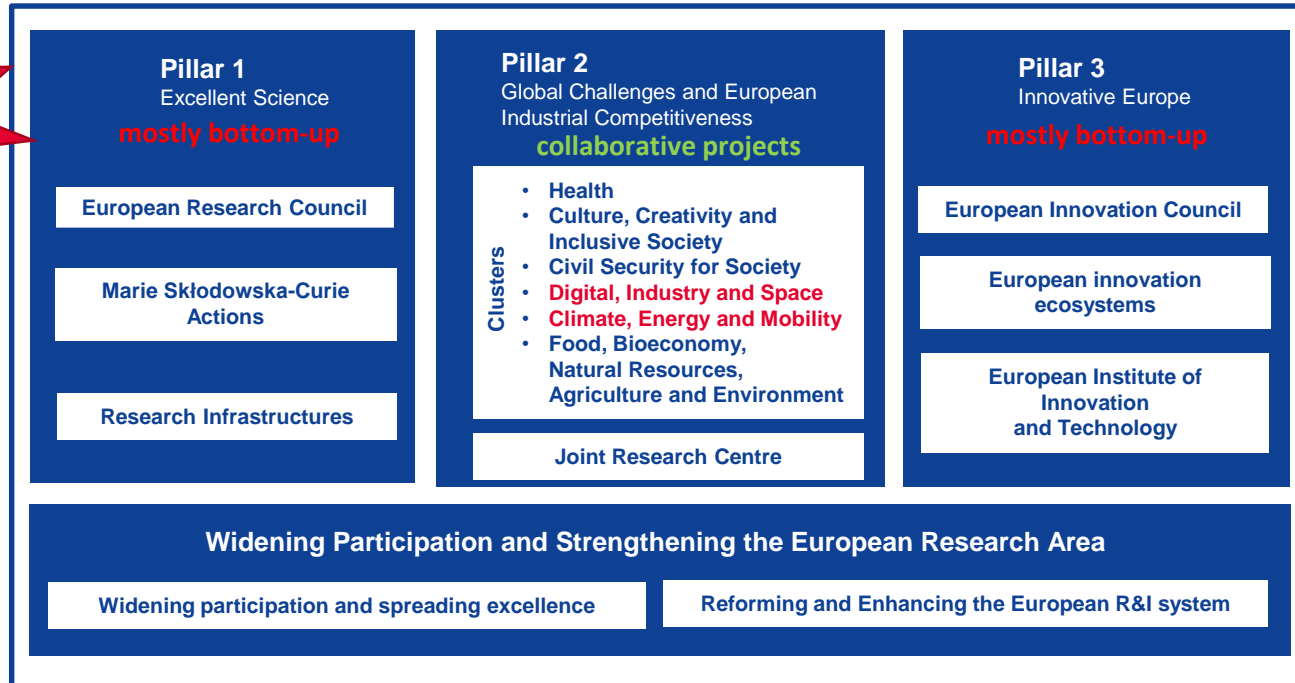
- ‘Fit for 55’ package: – 55% GHG-Emissionen bis 2030
- REPowerEU: zur Diversifizierung der Energieversorgung in Europa
- **EU Hydrogen Strategy: Forcierung der H2-Produktion aus erneuerbarer Energie**
- Green Deal Industrial Plan: Stärkung der Wettbewerbsfähigkeit der EU net-zero Industrie
- JRC report (01/2025): [Delivering the EU Green Deal: Progress towards targets](#)

# ÜBERBLICK FFG-FÖRDERPROGRAMMPORTFOLIO



# STRUKTUR VON HORIZON EUROPE (2021-2027)

95 Mrd €



# CLUSTER 4 – DIGITAL, INDUSTRY & SPACE

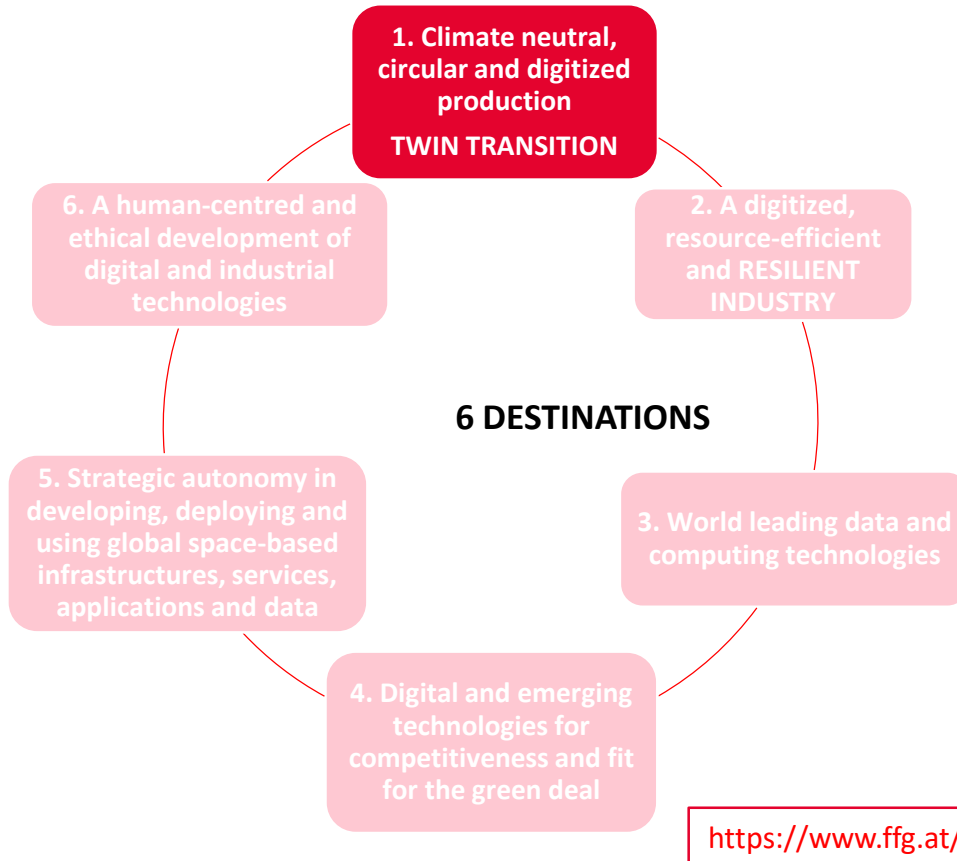
## 10 Partnerships:

### **Institutional Partnership (Art. 187):**

- KDT - Key Digital Technologies
- SNS - Smart networks and Services
- EuroHPC - HPC European Partnership for High Performance Computing
- Metrology

### **Co-programmed Partnerships**

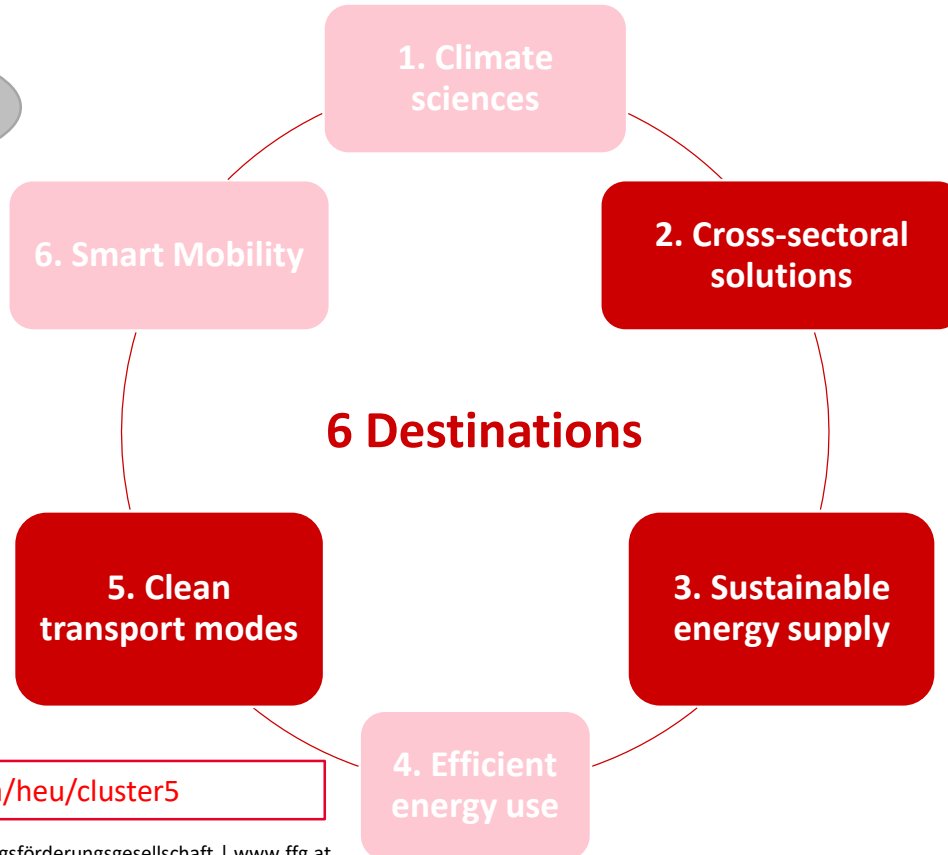
- Made in Europe (FoF)
- Photonics
- Artificial Intelligence, data and robotics
- **Processes4Planet (SPIRE)**
- **Clean Steel**
- Global Competitive Space Systems



# CLUSTER 5 – CLIMATE, ENERGY AND MOBILITY

ca. 15 Mrd. €

## 6 Destinations



### 2 Missionen:

- 100 Climate-neutral and smart cities by 2030
- 150 climate resilient regions

<https://www.ffg.at/europa/heu/cluster5>

### 4 Institutional Partnerships

- Europe's Rail
- SESAR 3
- **Clean Aviation**
- **Clean Hydrogen**

### 2 Co-funded Partnerships

- Driving urban transition (DUT)
- **Clean Energy Transition (CETP)**

### 6 Co-programmed Partnerships

- **NEU:** EUPI-PV Partnership
- Built4People
- Towards zero-emission road transport (2ZERO)
- Batteries: Towards a competitive European industrial battery value chain for stationary applications and e-mobility
- Zero-emission waterborne transport
- Connected, Cooperative and Automated Mobility (CCAM)

# CLEAN HYDROGEN - PARTNERSCHAFT



- Nachfolgeprogramm von Fuel Cells & Hydrogen Partnership 1+2
- Förderbudget: 1,2 Mrd.€
- Laufzeit 2021-2027
- Vision & Ziel: Entwicklung und Einsatz der europäischen Wertschöpfungskette für sichere und nachhaltige saubere Wasserstofftechnologien mit dem Endziel, zu einem nachhaltigen, dekarbonisierten und vollständig integrierten EU-Energiesystem beizutragen.
- **Schwerpunkte für aktuelle Ausschreibung** (19 Topics, ~185 Mio.€ incl. RePowerEU plan budget):
  - **Renewable hydrogen production** (7 topics – 40M€ funding )
  - **Hydrogen storage and distribution** (3 topics – 16M€ funding)
  - **Mobility end-uses** (3 topics – 17M€ funding)
  - **Heat & power end-uses** (1 topic – 5M€ funding)
  - **Hydrogen Valleys** (large/small scale) (2 topics – 80M€ funding )
  - **Cross-cutting activities** (3 topics – 6.5M€ funding)
- [Aktuelle Ausschreibung 2025](#): von 30.1.-23.4.2025 geöffnet - 22.1. [EU Infoday \(Recording\)](#)
- Weitere Informationen: <https://www.clean-hydrogen.europa.eu/>

# CLEAN AVIATION - PARTNERSCHAFT



- Nachfolgeprogramm von Clean Sky 1+2
- Förderbudget: 1,7 Mrd.€
- Laufzeit 2021-2027
- Vision & Ziel: Das Ziel von Clean Aviation ist es, die Entwicklung von emissionsarmen und klimafreundlichen Luftfahrttechnologien voranzutreiben, um das Ziel der Klimaneutralität bis 2050 zu unterstützen. Die technologischen Schwerpunkte liegen dabei auf hybridelektrischen, vollelektrischen und Wasserstoffantrieben
- H2 – Topic in der nächsten Ausschreibung (10 Topics, 380 Mio.€):
  - Crashworthiness of fuselage integrated LH2 storage solutions
- Geplante Ausschreibung 2025: ab 20. Februar 2025 geöffnet - 4.3. EU Infoday (hybrid)
- Weitere Informationen: <https://www.clean-aviation.eu>
- Kontakt: Hans Rohowetz, [hans.rohowetz@ffg.at](mailto:hans.rohowetz@ffg.at)



# CLEAN ENERGY TRANSITION – PARTNERSCHAFT (CETP)



## Eckdaten:

- Jährlicher transnational call/zweistufige Ausschreibung mit launch im September
- Joint Call 2024 aktuell deadline full proposal submission 02.04.2025, Projektstarts September bis Dezember 2025
- jeweils 10 call modules (aus den 7 Themenschwerpunkten – Transition Initiatives) im Joint Call 2024 auf Hydrogen bezogen: [CM2024-05 Hydrogen & renewable fuels](#)
- Joint Call 2025 wird voraussichtlich vor dem Sommer gelauncht – revised timeline

## Weitere Details:

- Projekt-Webseite: <https://cetpartnership.eu/>
- Joint Call 2024: <https://cetpartnership.eu/calls/joint-call-2024>
- 10 call modules in transnationaler zweistufigen Ausschreibung
- CETPartnership community auf B2match platform fürs Netzwerken, matchmaking <https://www.b2match.com/e/clean-energy-transition-partnership-2024>

### Kontakt:

Rosa Matic

Projektmanagerin CETP

E-Mail: [rosa.matic@ffg.at](mailto:rosa.matic@ffg.at)

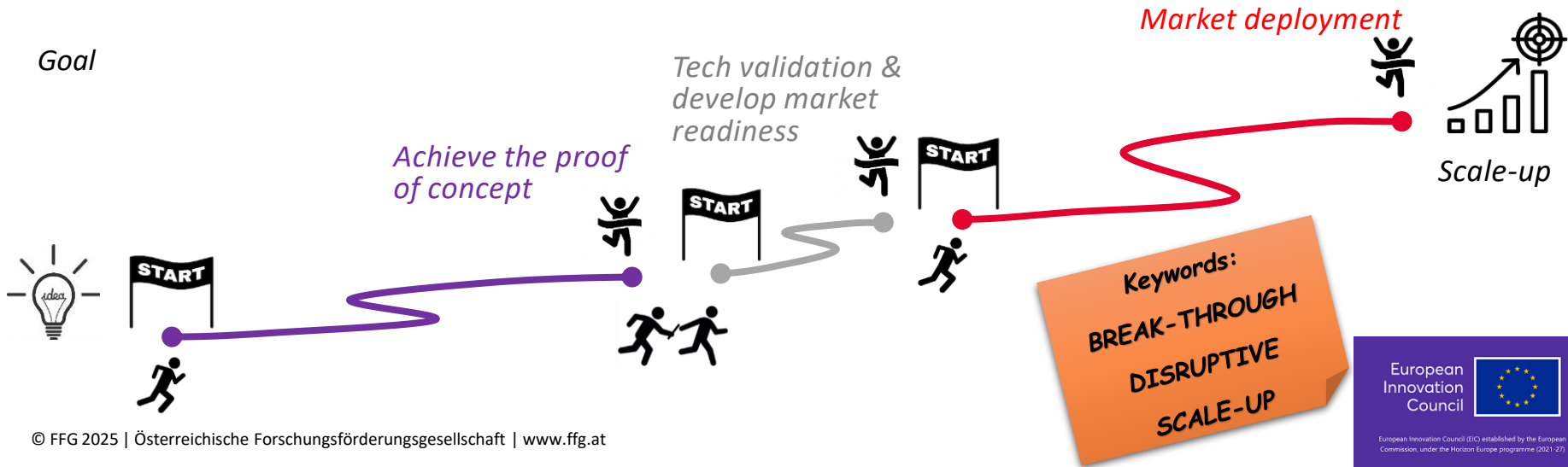
# BEC - BREAKTHROUGH ENERGY CATALYST (PARTNERSHIP)



- **Mission:** Catalyst will help build the infrastructure the world needs to meet its climate goals by accelerating the deployment of clean technologies at large scale
- **Scope:** Catalyst will start by focusing on four critical technologies for decarbonization:
  - **Direct air capture (DAC)** - to remove CO2 from the atmosphere
  - **Clean hydrogen** - to decarbonize industry and transportation
  - **Long-duration energy storage (LDS)** - to provide cleaner and more reliable power
  - **Sustainable aviation fuel (SAF)** - to power aviation
  - **Manufacturing** - to decarbonize cement, steel, plastics, textiles, and fertilizers
- **Project Types:** Demonstration Projects and Large First-of-a-Kind (“FOAK”) Projects
- **Financing/Blending:** **Green Transition Investment facility and Horizon Europe** consisting of repayable & non-reimbursable contributions for single applicants
- **Further Infos:** <https://breakthroughenergy.org/our-work/catalyst/>

# EIC IN A NUTSHELL: BACKING VISIONARY ENTREPRENEURS FROM IDEA TO INVESTMENT

Programmes	Pathfinder			Transition		Accelerator			STEP	
Technology Readiness Level	1 Basic Principle observed	2 Technology concept formulated	3 Experiential proof of concept	4 Technology validation in lab.	5 Technology validation in relevant env.	6 Demo in relevant environment	7 Demo in operational environment	8 System complete & qualified	9 Successful operations	9+ Business growth



# LIFE - DAS UMWELT-, KLIMA- UND NATURSCHUTZPROGRAMM DER EU



## Ziele zur Dekarbonisierung:

- Beitrag für eine klimaneutrale und klimaresistente Wirtschaft
- Beitrag für Nachhaltigkeit, Kreislaufwirtschaft, erneuerbare Energien & Energieeffizienz

## Unterprogramme



Nature and Biodiversity



Circular Economy and Quality of Life



**Climate Change Mitigation and Adaptation**



Clean Energy Transition (CET)

**LIFE Infoday** am 7.5.2025 (online)

## Erwartete Ergebnisse:

konkrete Anwendungen mit **messbaren Auswirkungen** auf Umwelt, Klima und die Natur.

## Formalkriterien:

Eine Ausschreibung pro Jahr (meist von April – Oktober)  
60%-95% Finanzierung durch EU (abhängig vom Teilprogramm)  
Keine Konsortium nötig (ausgenommen CET)

## Information und Hilfe

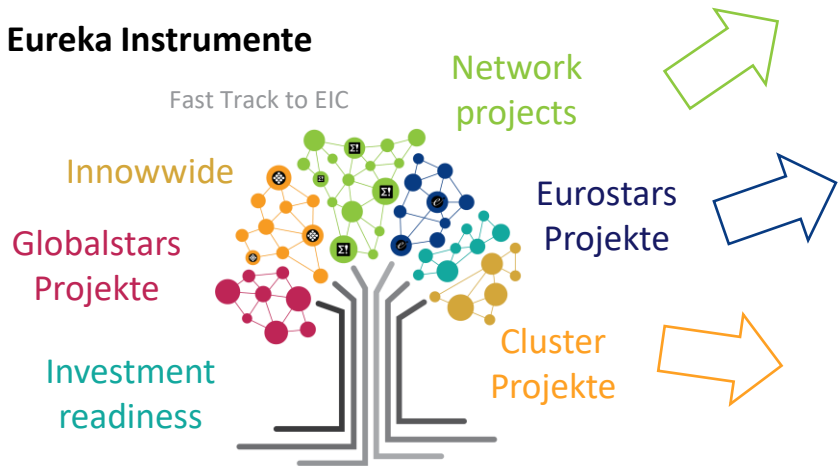
Erich Purkarthofer  
[erich.purkarthofer@ffg.at](mailto:erich.purkarthofer@ffg.at)  
[www.ffg.at/europa/life](http://www.ffg.at/europa/life)

## INTERNATIONALEN F&E-PROJEKTE

### Eureka ist ...

- Führende Plattform für internationale Zusammenarbeit
- Zwischenstaatliches Netzwerk
- Unterstützung von marktorientierten F&E-Projekten
- Erleichterung des Zugangs zu Finanzmitteln

### Eureka Instrumente



#### Kontakt:

Dr. Michael Walch  
Nationale Kontaktstelle Eureka/Eurostars  
E-Mail: [michael.walch@ffg.at](mailto:michael.walch@ffg.at)

### Eureka Netzwerk Projekte, laufend geöffnet

- Alle Themen, Partner aus zwei Ländern
- Nationale Antrags- und Bewertungsverfahren

### Eurostars-3 (The EU Partnership on Innovative SMEs)

- Alle Themen, Partner aus zwei Ländern, KMU Fokus
- Cut-off Dates mit zentralem Antrags- und Bewertungsverfahren

### z.B., EUROGIA – Eureka Cluster für Carbon Neutrality

- Ausschreibungen zu Low Carbon Solutions
- ~ 4-12 Projektpartner
- 2-stufiges Bewerbungs- und Bewertungsverfahren



# HORIZON EUROPE COMMUNITY ÖSTERREICH JOIN YOUR COMMUNITY



<https://horizon-europe-community.at/>

## UNSERE SERVICES



**Kontaktieren Sie Ihre Nationale Kontaktstelle bei Fragen zu Horizon Europe**  
per email, Anruf...



**Erstberatung durch Förderservice der FFG**  
Hotline: 05-7755-0  
Email: foerderservice@ffg.at



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<https://www.ffg.at/europa/akademie>



**Projektideen- & Proposalcheck**  
Persönliche Beratung sowie schriftliches Feedback zu Ihrem Antrag



**Join the Horizon Europe Community Österreich**  
<https://horizon-europe-community.at/>

**Online “Help yourself” Informationspakete:** <https://www.ffg.at/europa/akademie/helpyourself>

## IHRE ANSPRECHPERSON

### **DI Siegfried LOICHT**

Nationale Kontaktstelle Cluster 5 – Klima, Energie, Mobilität  
Ansprechperson Mission „Climate-neutral and Smart Cities“  
New European Bauhaus (NEB) &  
Clean Hydrogen Partnerschaft

Österreichische Forschungsförderungsgesellschaft  
Sensengasse 1, A-1090 Wien

T +43 (0) 5 77 55 – 4304  
siegfried.loicht@ffg.at  
www.ffg.at



# ANHANG

eurogia<sup>2030</sup>

Kohlenstoffarme  
Energietechnologien

<https://eurogia.eu/>

<https://www.ffg.at/europa/eureka/cluster>

**Eurostars  
Cut-off Date 8**

<https://www.ffg.at/eurostars-3>

 Eurogia<sup>2030</sup>

Low Carbon Energy Technologies

**Call28**

Deadline to submit Project proposal: 24/04/2025

 Eurogia<sup>2030</sup>

Low Carbon Energy Technologies

**Call28**

**Informative Webinar**

28<sup>th</sup> February

**Morning session 10-12 CET**

- Eurogia Call28 process
- Funding Agencies presentation (UK, PT, TR)

**Afternoon Session 15-17 CET**

- Eurogia Call28 process
- Funding Agencies presentation (Canada & Chile)

**Eurostars call for projects**

**Apply from: 10 January 2025**

**Until: 13 March 2025 14:00 (Brussels time)**

You can submit your R&D and innovation project application between 10 January 2025 to 13 March 2025 at 14:00 (Brussels time) using our project platform ([myeurekaproject.org](http://myeurekaproject.org)). Your project consortium must have an innovative SME in the leading role, but it can also include other types of organisations like large companies, universities, research organisations and more.

More information:

<https://eurekanetwork.org/opencalls/eurostars-call-for-projects-mar-2025/>

# The CET Partnership in a nutshell



## WHAT

Aims to empower the **clean energy transition** and contribute to the EU's goal of becoming the first **climate-neutral continent by 2050**.



## HOW

by pooling **national and regional RDTI funding** for a broad variety of technologies and system solutions required to make the transition. ---

**Annual Joint Calls**



### 30+ Countries

20+ EU Member States  
+ 10 Associated Countries

### 47+ Funding Partners

Funding Agencies  
& Ministries

### Top-up

European Commission is the  
single biggest financing  
organisation

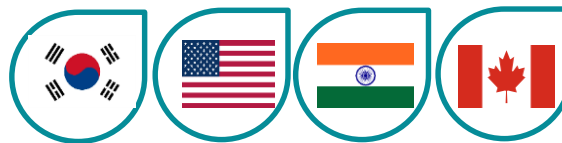
### 13 Coordination Units

Coordinator: BMK / SWEA

### Annual Calls for RTDI Projects

100 – 140 M € per year  
2022 - 2027

*Call 2024  
Approximately  
100 M €*



# Transition Initiatives (TRIs)

## What is a TRI?

Thematic configurations of CETPartnership funding partners to work together on a specific **Strategic Research and Innovation Agenda (SRIA) Challenge**.

## How many TRIs are there?

**7 TRIs** addressing the **seven CETPartnership RTDI Challenges** as described in the SRIA and led by one of the CETPartnership partners, known as the TRI Lead.

 <p>INTEGRATED NET ZERO-EMISSIONS ENERGY SYSTEM</p>	 <p>ENHANCED ZERO EMISSION POWER TECHNOLOGIES</p>	 <p>ENABLING CLIMATE NEUTRALITY WITH STORAGE TECHNOLOGIES, RENEWABLE FUELS AND CCU/CCS</p>	 <p>HEATING AND COOLING SOLUTIONS</p>
<p><b>TRI 1: Integrated Net-zero-emissions Energy System</b></p>	<p><b>TRI 2: Enhanced zero emission Power Technologies</b></p>	<p><b>TRI 3: Enabling Climate Neutrality with Storage Technologies, Renewable Fuels and CCU/CCS</b></p>	<p><b>TRI 4: Efficient zero emission Heating and Cooling Solutions</b></p>
 <p>INTEGRATED REGIONAL ENERGY SYSTEMS</p>	 <p>INTEGRATED INDUSTRIAL ENERGY SYSTEMS</p>	 <p>INTEGRATION IN THE BUILT ENVIRONMENT</p>	
<p><b>TRI 5: Integrated Regional Energy Systems</b></p>	<p><b>TRI 6: Integrated Industrial Energy Systems</b></p>	<p><b>TRI 7: Integration in the Built Environment</b></p>	

# You can find us on these channels!



<https://cetpartnership.eu>



<https://www.linkedin.com/company/cetpartnership/>



[Home | Clean Energy Transition Partnership  
\(b2match.com\)](https://www.b2match.com)



<https://www.youtube.com/@cetpartnership>

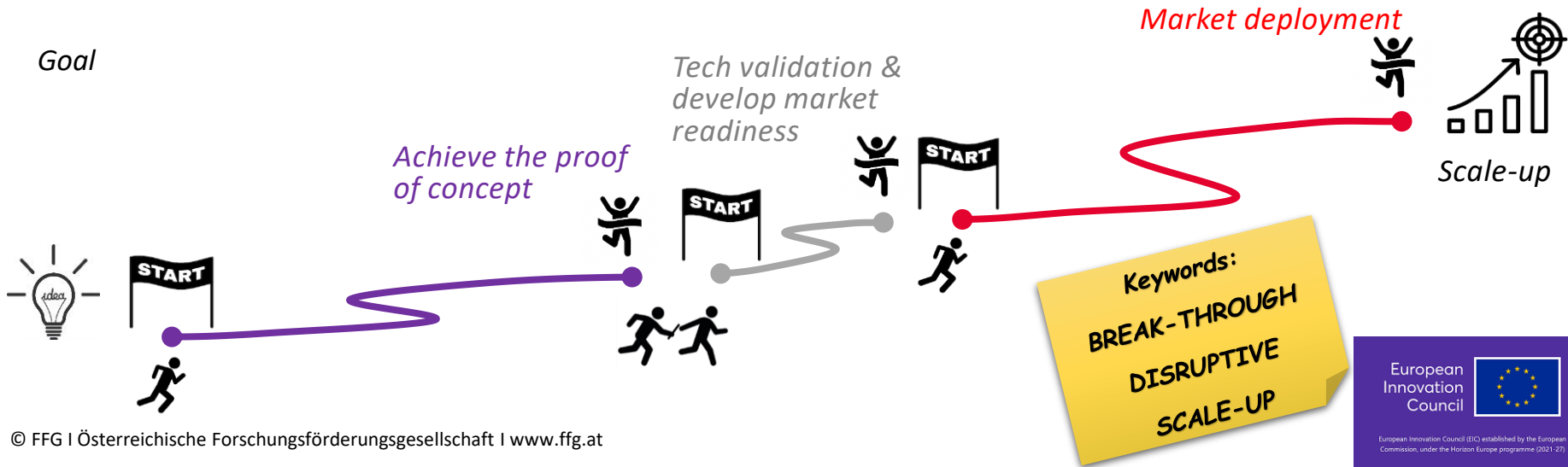


Angelo Nuzzo

EIC IN A NUTSHELL

# EIC: BACKING VISIONARY ENTREPRENEURS FROM IDEA TO INVESTMENT

Programmes	Pathfinder				Transition	Accelerator				STEP
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# IS IT FOR YOU?

## *Visionary scientists*

- Do you have a vision for a future radically new deep technology?
- Do you see a plausible way of achieving the scientific breakthrough that will make this technology possible?
- Can you imagine collaborating with an interdisciplinary team of researchers and innovators to realise the proof of principle?



**Pathfinder**

Up to 4 M

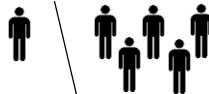


## *Entrepreneurial spirit*

- Have you identified H2020 or HEU project results that could be the basis for new businesses?
- Is this novel technology ready for the next steps towards its maturation and validation?
- Do you envisage building a motivated entrepreneur-lead team to increase its market readiness?



**Transition Activities** Up to 2,5 M



## *Business unicorns*

- Do you have a high-impact innovative product/service/business model that could create new markets or disrupt existing ones in Europe and even worldwide?
- Are you a start-up or a small and medium-sized enterprise (SME) with the ambition to scale up?
- Are you looking for substantial funding but the risks involved are too high for private investors alone to invest?



**Accelerator** Up to 12,5 M



# EIC PROGRAMMES OVERVIEW

Program	Who can apply?	Funding	Requirements	TRL
<b>Pathfinder</b>	<ul style="list-style-type: none"> <li>• <b>Consortia:</b> at least 2 (Challenges) or 3 (Open) different independent legal entities (research organisations, universities, SMEs, industry) established in at least 3 different countries</li> <li>• <b>Single applicants</b> (Challenges only)</li> </ul>	<ul style="list-style-type: none"> <li>• Grants of up to € 3 M (4 for Challenges)</li> <li>• 100 % of costs covered</li> <li>• <b><u>Goal: to achieve the proof of concept</u></b></li> </ul>	<ul style="list-style-type: none"> <li>• Long-term vision of a <b>radically new deep-tech</b> development</li> <li>• Concrete, novel and ambitious science-towards-technology <b>breakthrough ideas</b></li> <li>• <b>High-risk/high-gain collaborative</b> research approach</li> </ul>	1-4
<b>Transition</b>	<ul style="list-style-type: none"> <li>• <b>Single applicants</b> (SMEs, spin-offs, start-ups, research organisations, universities)</li> <li>• <b>Small consortia</b> (max 5 partners)</li> </ul>	<ul style="list-style-type: none"> <li>• Grants of up to € 2.5 M</li> <li>• 100 % of costs covered</li> <li>• <b><u>Goal: complete validation and develop market readiness</u></b></li> </ul>	<ul style="list-style-type: none"> <li>• Based on H2020 <b>FET, EIC Pathfinder</b> or <b>ERC Proof of Concept</b> results</li> </ul>	4-6
<b>Accelerator</b>	<ul style="list-style-type: none"> <li>• <b>Single Start-ups and SMEs</b> (including spin-outs)</li> <li>• <b>Individuals</b> (intending to launch a start-up/SME)</li> <li>• <b>Small mid-caps</b> (less than 500 employees) in exceptional cases</li> </ul>	<ul style="list-style-type: none"> <li>• Blended finance:               <ul style="list-style-type: none"> <li>➢ Grant up to € 2.5 M (70% of the costs) for technology development and validation (TRL 5/6 to 8)</li> <li>➢ Investment up to € 15 M for scaling up Grant only or Investment only under certain conditions</li> </ul> </li> <li>• <b><u>Goal: market deployment &amp; scale-up</u></b></li> </ul>	<ul style="list-style-type: none"> <li>• Prototype available (min. TRL 6)</li> <li>• <b>Disruptive</b> impact on the market</li> <li>• International <b>Scale up</b> potential</li> <li>• Be at the right <b>Investment Level</b></li> </ul>	6-9

# DEADLINES EIC 2025

Call	Deadline	Budget 2024	(Budget 2023)
EIC Pathfinder OPEN	21/05/2025	142 M€	(136 M€)
EIC Pathfinder CHALLENGES	29/10/2025	120 M€	(120 M€)
EIC Transition (only OPEN)	18/09/2025	98 M€	(94,5 M€)
EIC Accelerator OPEN	12/03/2025 01/10/2025	384 M€	(375 M€)
EIC Accelerator CHALLENGES	12/03/2025 01/10/2025	250 M€	(300 M€)
EIC Accelerator – STEP scale-up	Continuous	300 M€	-

➤ All last EIC updates always here available:

<https://www.ffg.at/europa/heu/eic>

## IHRE ANSPRECHPERSONEN

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