



Università  
degli Studi  
di Palermo



## Enterprise Europe Network WORKSHOP

### *Capacity Building and Financing SMEs*

*Innovazione per PMI e Start-up*  
*Strumenti di finanziamento nazionali ed europei*

Antonio Carbone

Palermo, 18 aprile 2024

# Orientamenti strategici

## 2030 Agenda for Sustainable Development



## 6 Commission priorities for 2019-24

### A European Green Deal

Striving to be the first climate-neutral continent



### A Europe fit for the digital age

Empowering people with a new generation of technologies

### An economy that works for people

Working for social fairness and prosperity



### A stronger Europe in the world

Europe to strive for more by strengthening our unique brand of responsible global leadership



### Promoting our European way of life

Building a Union of equality in which we all have the same access to opportunities.



### A new push for European democracy

Nurturing, protecting and strengthening our democracy

# Eu MFF 2021 - 2027



## MFF 2021-2027: A BUDGET FOR EUROPE'S PRIORITIES Simplification, transparency and flexibility

In billion euro, current prices

**I. SINGLE MARKET, INNOVATION AND DIGITAL**  
€187.4

- 1 Research and Innovation
- 2 European Strategic Investments
- 3 Single Market
- 4 Space

**II. COHESION AND VALUES**  
€442.4

- 5 Regional Development and Cohesion
- 6 Economic and Monetary Union
- 7 Investing in People, Social Cohesion and Values

**III. NATURAL RESOURCES AND ENVIRONMENT**  
€378.9

- 8 Agriculture and Maritime Policy
- 9 Environment and Climate Action



**V. SE AND**  
€27.5

- 12 Security
- 13 Defence
- 14 Crisis Resp

**VI. N AND**  
€123

- 15 External Affairs
- 16 Pre-Access

**VII. E ADMI**  
€85.3

- 17 European Institutions

**Single Market, Innovation and Digital**

149.5 (+ 11.5 from NGEU)

**Cohesion, Resilience and Values**

426.7 (+ 776.5 from NGEU)

**Natural Resources and Environment**

401 (+ 18.9 from NGEU)

**Migration and Border Management**

25.7

**Security and Defence**

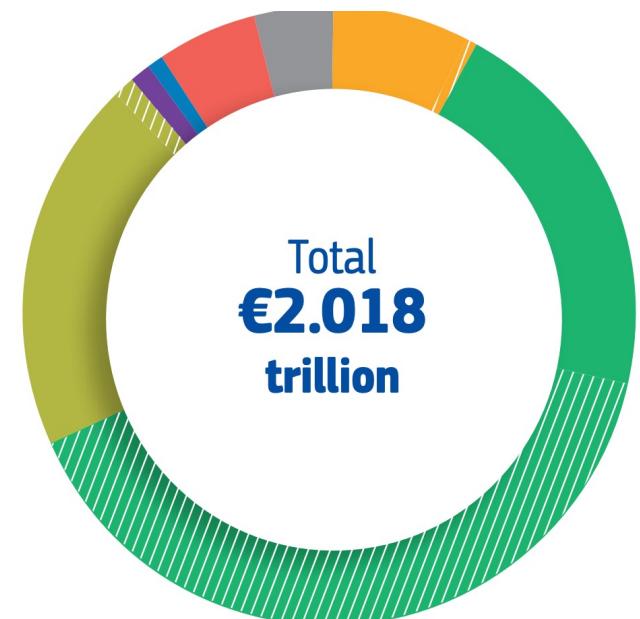
14.9

**Neighbourhood and the World**

110.6

**European Public Administration**

82.5



**Total: €2.018 trillion**



Several programmes under these headings receive additional allocations under Article 5 of Regulation (EU, Euratom) 2020/2093 (the 'MFF regulation' (MFFR)) (Horizon Europe, InvestEU, EU4Health, Erasmus+, Creative Europe, Justice, Citizens, Equality, Rights and Values programmes and the Integrated Border Management Fund), from the reuse of decommissions under Article 15 of Regulation (EU, Euratom) 2018/1046 (the 'financial regulation' (FR)) (Horizon Europe) and from reflows from the European Development Fund (the Neighbourhood, Development and International Cooperation Instrument- Global Europe). The precise additional allocations will be established annually. Indicative amounts are provided on page 54.

All amounts are in billion EUR, in current prices, as of November 2020.

Source: European Commission

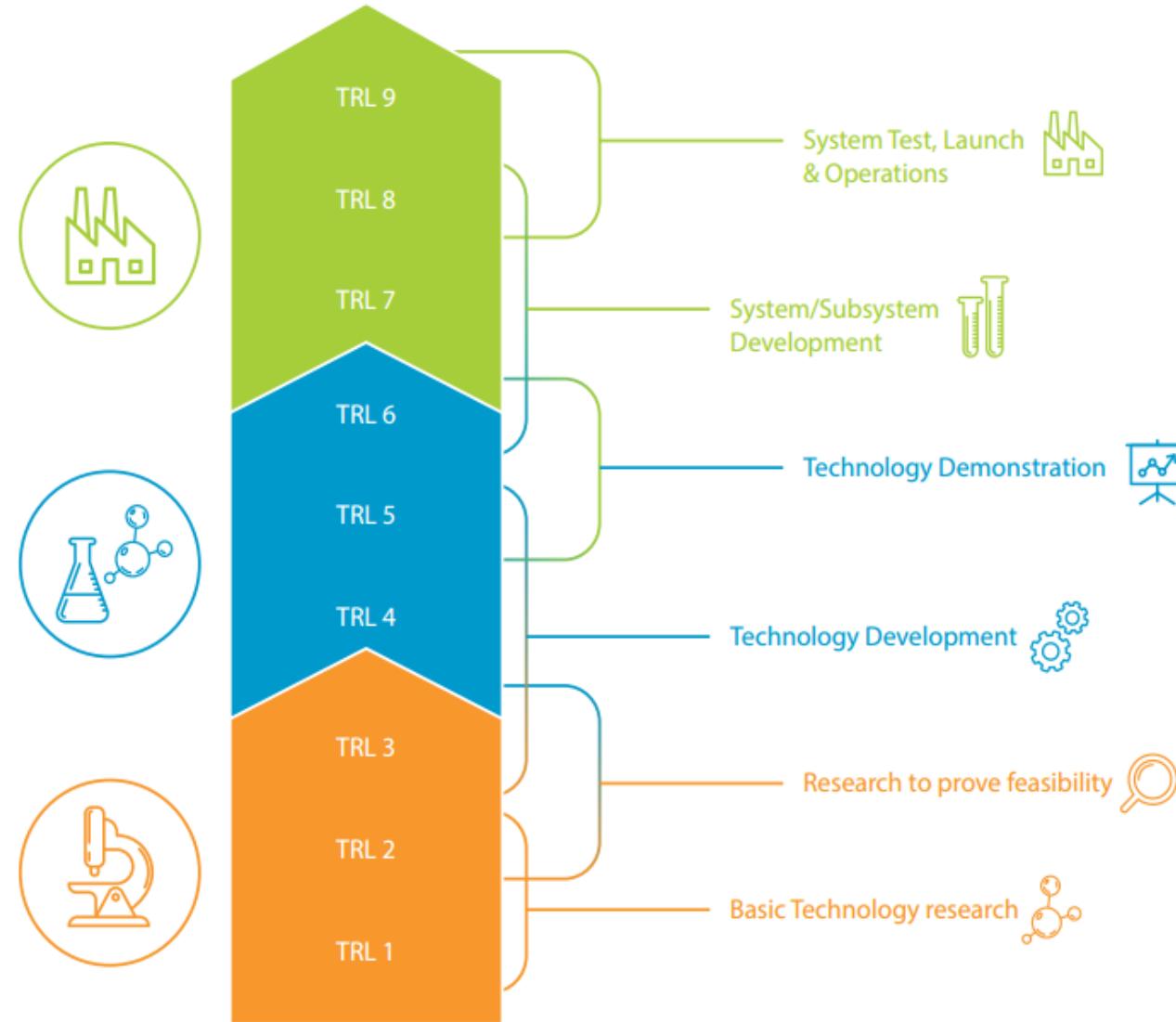
# Strategie e Programmi di finanziamento



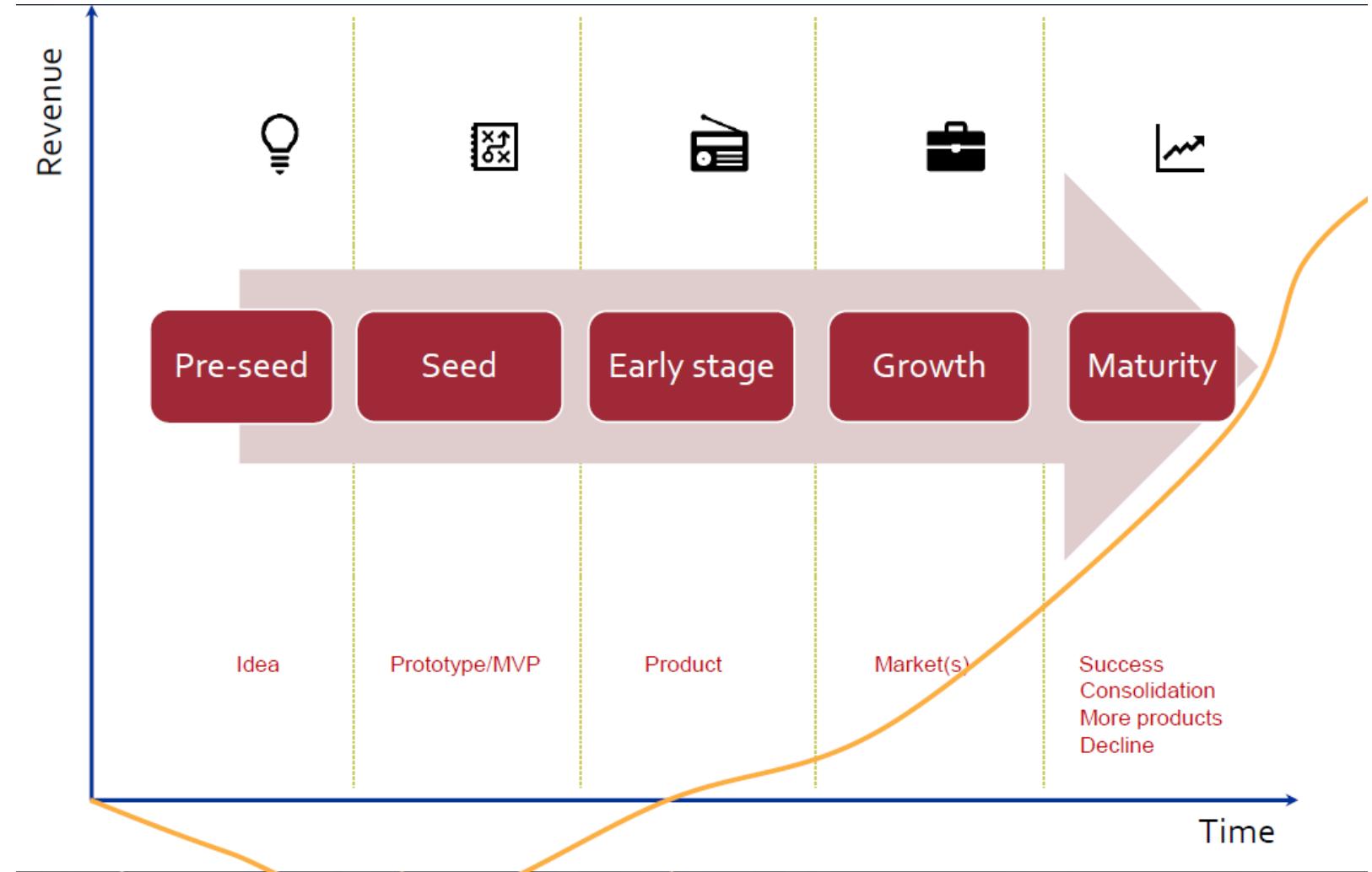
# Da dove partiamo

Technology Readiness Level

TRL



# Se fossi una start-up/spin-off



# Trovare partner strategici

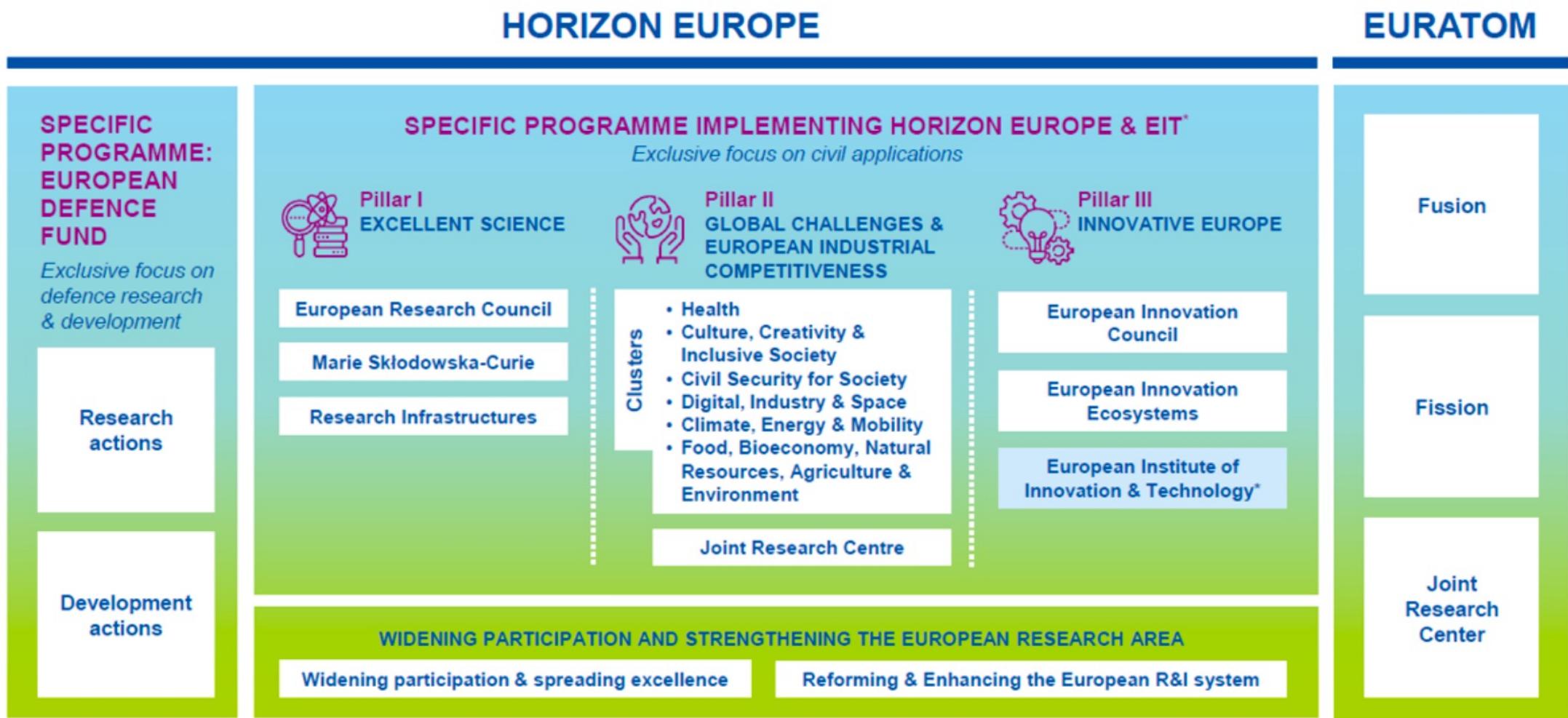
Si può cercare un partner autonomamente, ma esistono vari **servizi di ricerca dei partner** che possono aiutare a trovare organizzazioni intenzionate a prendere parte a proposte e pubblicare le offerte di collaborazione.

- Il [portale Funding & Tenders Opportunities](#) riguarda i programmi attuati in regime di gestione diretta.
- Lo [strumento di ricerca di partner](#) aiuta a trovare partner per un progetto tra i molti partecipanti ai precedenti progetti dell'UE. Sarà possibile selezionare un'organizzazione sulla base del loro profilo o della loro precedente partecipazione.
- [La Rete Enterprise Europe](#) aiuta a entrare in contatto con partner internazionali

[Come partecipare](#)

*Horizon Europe*

# Horizon Europe



# Horizon Europe – I Pilastro

ECCELLENZA  
SCIENTIFICA:

## Consiglio europeo della ricerca

- Ricerca di frontiera effettuata dai migliori ricercatori e dai loro gruppi

16,6 miliardi di EUR

## Azioni Marie Skłodowska- Curie

- Mobilità e formazione per fornire nuove conoscenze e competenze ai ricercatori

6,8 miliardi di EUR

## Infrastrutture di ricerca

- Infrastrutture di ricerca di livello mondiale integrate e interconnesse

2,4 miliardi di EUR

# Horizon Europe – II Pilastro

Green Transition		Digital Transition		A more Resilient, Competitive, Inclusive, & Democratic Europe	
CLUSTER 1	CLUSTER 2	CLUSTER 3	CLUSTER 4	CLUSTER 5	CLUSTER 6
Health	Culture, Creativity & Inclusive Society	Civil Security for Society	Digital, Industry & Space	Climate, Energy & Mobility	Food, Bioeconomy, Natural Resources, Agriculture & Environment
<ul style="list-style-type: none"> <li>1. Staying healthy in a rapidly changing society</li> <li>2. Living and working in a health-promoting environment</li> <li>3. Tackling diseases and reducing disease burden</li> <li>4. Ensuring equal access to innovative, sustainable, and high-quality healthcare</li> <li>5. Developing and using new tools, technologies and digital solutions for a healthy society</li> <li>6. Maintaining an innovative, sustainable, and competitive EU health industry</li> </ul>	<ul style="list-style-type: none"> <li>7. Reinigorating democratic governance</li> <li>8. Realising the full potential of cultural heritage, arts, and cultural and creative sectors</li> <li>9. Strengthening social and economic resilience and sustainability</li> <li>10. Boosting inclusive growth and reducing vulnerabilities effectively</li> </ul>	<ul style="list-style-type: none"> <li>11. Reducing losses from natural, accidental and human-made disasters</li> <li>12. Facilitating legitimate movement of passengers and goods into the EU, while preventing illicit acts</li> <li>13. Tackling crime and terrorism more effectively and increasing the resilience of infrastructures</li> <li>14. Increasing cybersecurity and making the online environment more secure</li> </ul>	<ul style="list-style-type: none"> <li>15. Achieving global leadership in climate-neutral, circular and digitised industrial and digital value chains</li> <li>16. Achieving technological leadership for Europe's open strategic autonomy in raw materials, chemicals and innovative materials</li> <li>17. Developing an agile and secure single market and infrastructure for data-services and trustworthy artificial intelligence services</li> <li>18. Achieving open strategic autonomy in digital and emerging enabling technologies</li> <li>19. Achieving open strategic autonomy in global space-based infrastructures, services, applications, and data</li> <li>20. Digital and industrial technologies driving human-centric innovation</li> </ul>	<ul style="list-style-type: none"> <li>21. Advancing science for a fair transition to a climate-neutral and resilient society</li> <li>22. Facilitating the clean and sustainable transition of the energy and transport sectors towards climate neutrality through cross-cutting solutions</li> <li>23. Ensuring more efficient, sustainable, secure, and competitive renewable and decarbonised energy supply</li> <li>24. Using energy in buildings and industry in an efficient, affordable and sustainable way</li> <li>25. Achieving sustainable, inclusive, and competitive transport modes</li> <li>26. Developing multimodal systems and services for climate-neutral, smart, inclusive, and safe mobility</li> </ul>	<ul style="list-style-type: none"> <li>27. Fostering mitigation of and adaptation to climate change in areas and sectors covered by Cluster 6</li> <li>28. Putting biodiversity on a path to recovery, and protecting and restoring ecosystems and their services</li> <li>29. Achieving healthy soils and forests, as well as clean air, fresh and marine water, whilst ensuring water resilience and the transition to a clean, competitive and circular economy and sustainable bioeconomy</li> <li>30. Ensuring healthy food and nutrition security by making agriculture, fisheries, aquaculture and food systems sustainable, resilient, inclusive and within planetary boundaries</li> <li>31. Sustainably developing rural, urban and coastal areas</li> <li>32. Developing innovative governance models and tools enabling sustainability and resilience</li> </ul>

Piano  
Strategico  
2025-2027

# Horizon Europe – III Pilastro

EUROPA INNOVATIVA

*Stimolare innovazioni pionieristiche creatrici di mercato ed ecosistemi favorevoli all'innovazione*

## Consiglio europeo per l'innovazione

- Sostegno alle innovazioni dal potenziale pionieristico e creatrici di mercato

**Circa 10 miliardi euro**

## Ecosistemi europei per l'innovazione

- Instaurare un legame con gli operatori dell'innovazione a livello regionale e nazionale

## Istituto europeo di innovazione e tecnologia (EIT)

- Riunire gli operatori fondamentali (ricerca, istruzione e imprese) attorno a un obiettivo comune per favorire l'innovazione

**Proposta della Commissione:  
3 miliardi di EUR**

### III Pilastro – European Innovation Council-EIC

#### **Pathfinder** (TRL1-4)

- **For consortia (2+ partners)**
- Early-stage research on breakthrough technologies
- **Grants up to €3/4 million**

#### **Transition** (TRL 4-6)

- **For consortia and individual SMEs (1-5 applicants)**
- Technology maturation from proof of concept to validation
- Business & market readiness
- **Grants up to €2.5 million**

#### **Accelerator** (TRL 6-9)

- **For individual SMEs**
- Development & scale up of deep-tech/disruptive innovations by startups/ SMEs
- Blended finance (**grants up to €2.5 million; equity investment up to €15 million or above**)

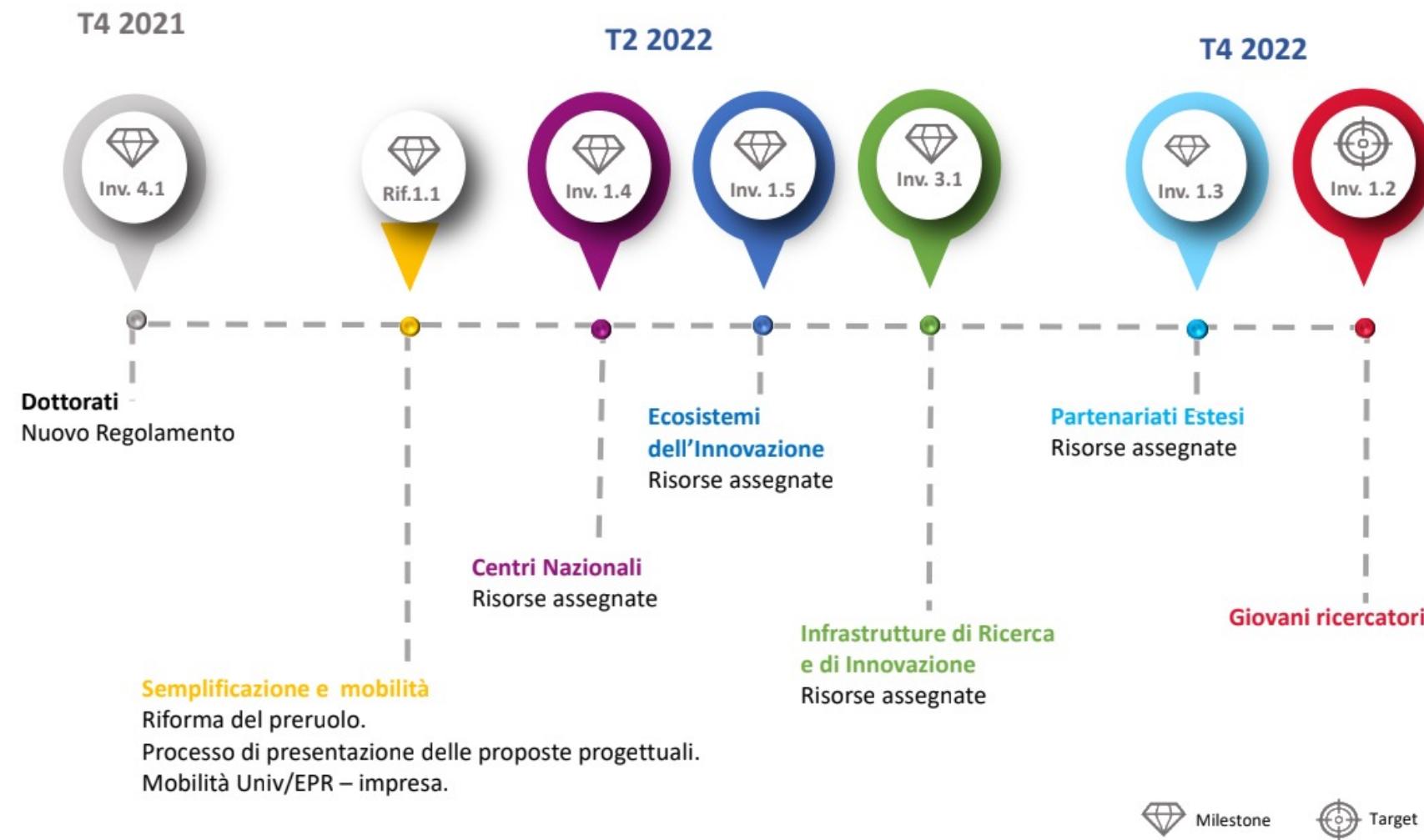
# EIC Calls 2024

Call	Who can apply	What for	EIC Open		EIC Challenges		
			Deadlines	Indicative Budget (EUR million)	EIC Challenge	Deadlines/Cut-offs	Indicative Budget (EUR million)
<b>EIC Pathfinder</b>	Open call: only consortia can apply. Challenges call: smaller consortia (at least two eligible entities) or and single applicants as well as larger consortia.	Open Call: Grants up to EUR 3 million Challenge Call: Grants up to EUR 4 million. Higher amounts if duly justified. Projects to achieve the proof of principle and validate the scientific basis of breakthrough technologies (starting from early TRLs aiming at achieving TRL3 or 4)	7 March 2024	136	"Solar-to-X" devices Towards cement and concrete as a carbon sink Nature inspired alternatives for food packaging and films. Nanoelectronics for energy-efficient smart edge devices Protecting EU space infrastructure	16 October 2024	120
<b>EIC Transition</b>	Single applicants (SMEs, spin-offs, start-ups, research organisations, universities) or small consortia (minimum 2, maximum 5 eligible entities).	Grants of up to EUR 2.5 million to validate and demonstrate technology in application-relevant environment (starting at TRL 3/ 4 aiming at achieving TRL 5/ 6) and develop business and market readiness.	18 <sup>th</sup> September 2024	94			
<b>EIC Accelerator</b>	Single start-ups and SMEs (including spin-offs), individuals (intending to launch a start-up/ SME) and in exceptional cases small mid-caps (fewer than 499 employees).	Grant component below EUR 2.5M for innovation activities (starting at TRL 5 or 6 aiming at achieving higher TRLs) Investment component of EUR 0.5 up to 15 million for scaling up and other activities. Grant only and investment only component under certain conditions.	Short applications: any time (continuous) Full applications: 13 March 2024 3 October 2024	375	Human Centric Generative AI Virtual worlds and augmented interaction, including support to Industry 5.0 Enabling the smart edge & quantum technology components Food from precision fermentation and algae Monoclonal antibody-based therapeutics for emerging viruses Renewable energy sources and their whole value chain	Short applications: any time (continuous) Full applications: 13 March 2024 3 October 2024	300

***La Missione 4.2 del PNRR***

***Dalla ricerca all'impresa***

# Il percorso verso Centri, Ecosistemi, Infrastrutture e Partenariati



# Le LINEE GUIDA

Le Linee Guida contengono indicazioni chiave per **4 Misure** della Componente 2 «Dalla ricerca all’impresa» della Missione 4 «Istruzione e ricerca» del PNRR:

INVESTIMENTO	DURATA	RISORSE IN MILIONI DI €	BENEFICIARI
<b>1.3 Partenariati allargati estesi a Università, centri di ricerca, imprese e finanziamento progetti di ricerca di base</b>	2022-2026	<b>1610</b>	Università, enti pubblici di ricerca, imprese
<b>1.4 Potenziamento strutture di ricerca e creazione di «campioni nazionali di R&amp;S» su alcune KET</b>	2022-2026	<b>1600</b>	Università, enti pubblici di ricerca, imprese
<b>1.5 Creazione e rafforzamento di «ecosistemi dell’innovazione», costruzione di «leader territoriali di R&amp;S»</b>	2022-2026	<b>1300</b>	Università, enti pubblici di ricerca, imprese
<b>3.1 Fondo per la costruzione di un sistema integrato di infrastrutture di ricerca e di innovazione</b>	2022-2026	<b>1580</b>	Università, enti pubblici di ricerca, imprese

[Linee guida](#)

# In bandi a cascata nel PNRR

- Il “cascade funding” o «bando a cascata» è una modalità di finanziamento promossa dalla Commissione europea per ampliare il raggio d'azione dei fondi pubblici, in particolare quelli del PNRR.
- Sono avvisi pubblici mediante i quali alcuni soggetti beneficiari dei fondi europei (come università, centri di ricerca, enti pubblici) attribuiscono parte delle risorse a soggetti esterni (come imprese, startup, associazioni) per il finanziamento di attività di ricerca e innovazione, coerenti con gli obiettivi e le aree tematiche del PNRR.
- I bandi a cascata del PNRR favoriscono la collaborazione tra il mondo della ricerca e quello dell'impresa, per stimolare la creazione e il rafforzamento di ecosistemi dell'innovazione per la sostenibilità, per potenziare le strutture e le competenze di ricerca e per creare campioni nazionali di ricerca e sviluppo su alcune tecnologie chiave.

[Bandi a Cascata dei Progetti Missione 4.2](#)

[Italia Domani](#)