

HORIZON EUROPE –DOVE TROVARE I MATERIALI INNOVATIVE NEL WP2026 -2027 E... IN FP10

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Horizon Europe NCP CI4

APRE – Agenzia per la Promozione della Ricerca Europea

MISSION

Sostenere e agevolare la **partecipazione italiana ai Programmi dell'Unione europea** per la ricerca e l'innovazione (R&I), attraverso servizi di:

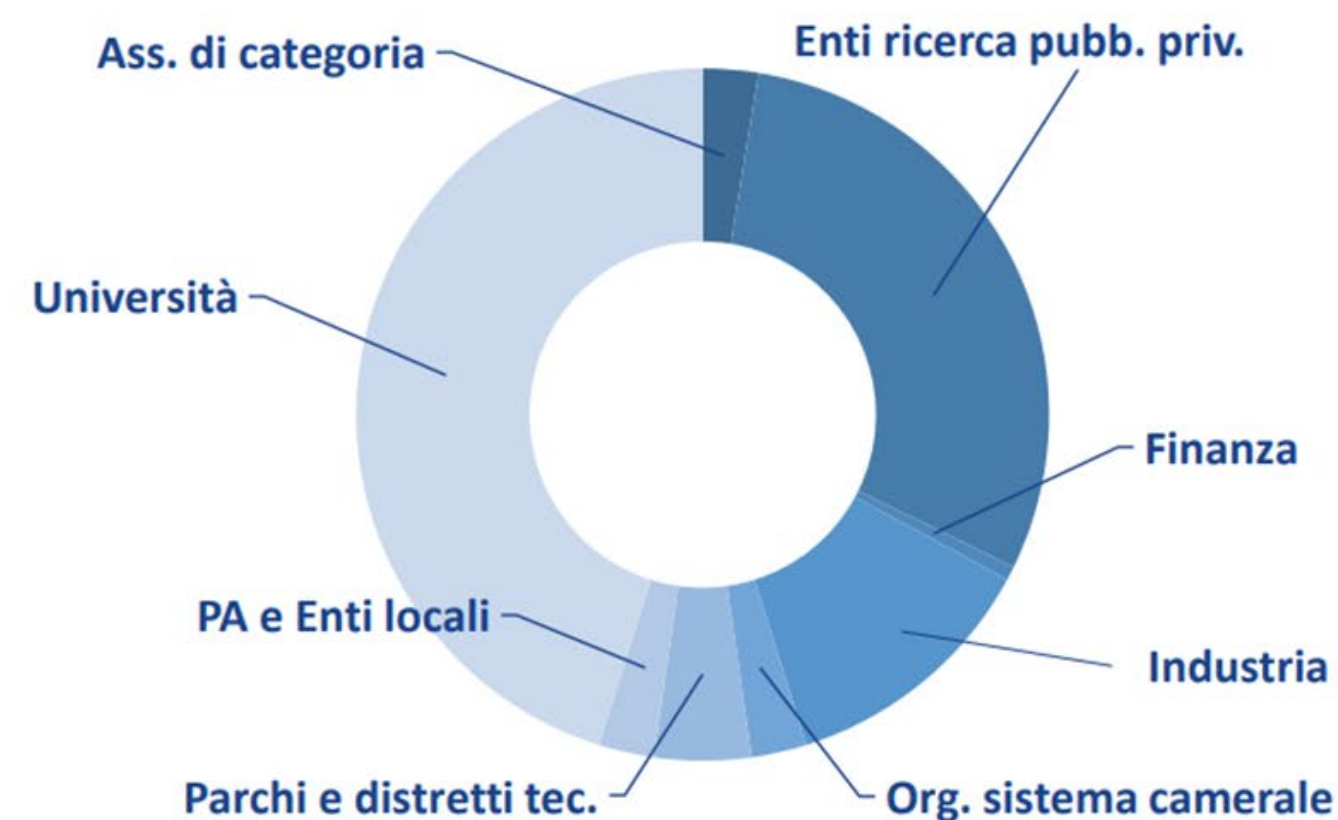
- Informazione
- Formazione
- Assistenza

+160 SOCI APRE

Sono **enti pubblici o privati** che condividono la missione istituzionale dell'Agenzia e provengono da diversi **settori**.

- Associazione di categoria
- Enti di ricerca pubblici e privati
- Finanza
- Industria
- Organismi sistema camerale
- Parchi e distretti tecnologici
- Pubbliche amministrazioni e Enti locali
- Università

TIPOLOGIA DEI SOCI APRE



+60 PROFESSIONISTI

- Project manager
- Analisti di policy
- Esperti tematici
- Professionisti della comunicazione
- Esperti in processi partecipativi
- Consulenti legali e finanziari
- Innovation manager

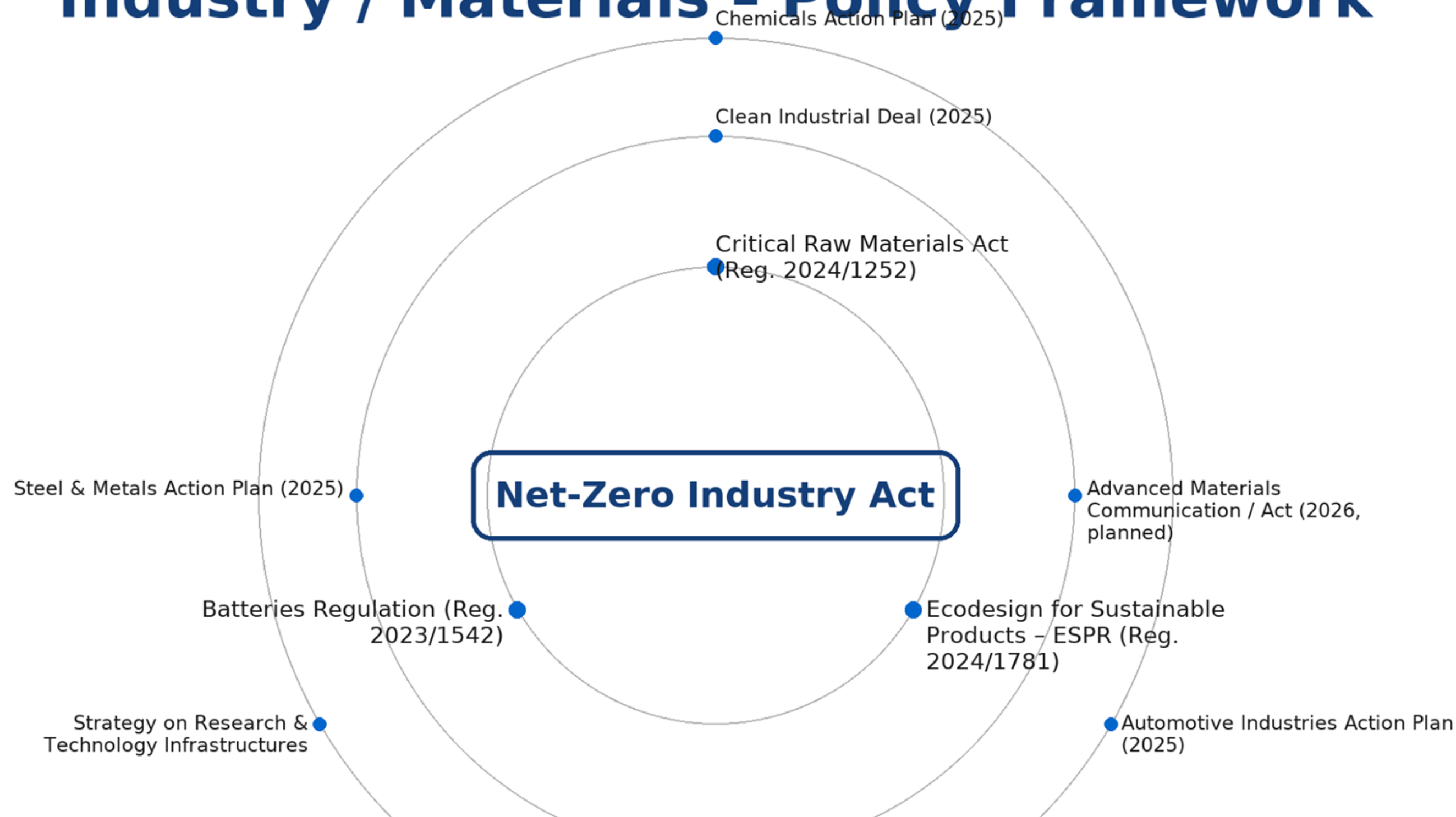


CI4: Digital, Industry and Space - Objectives

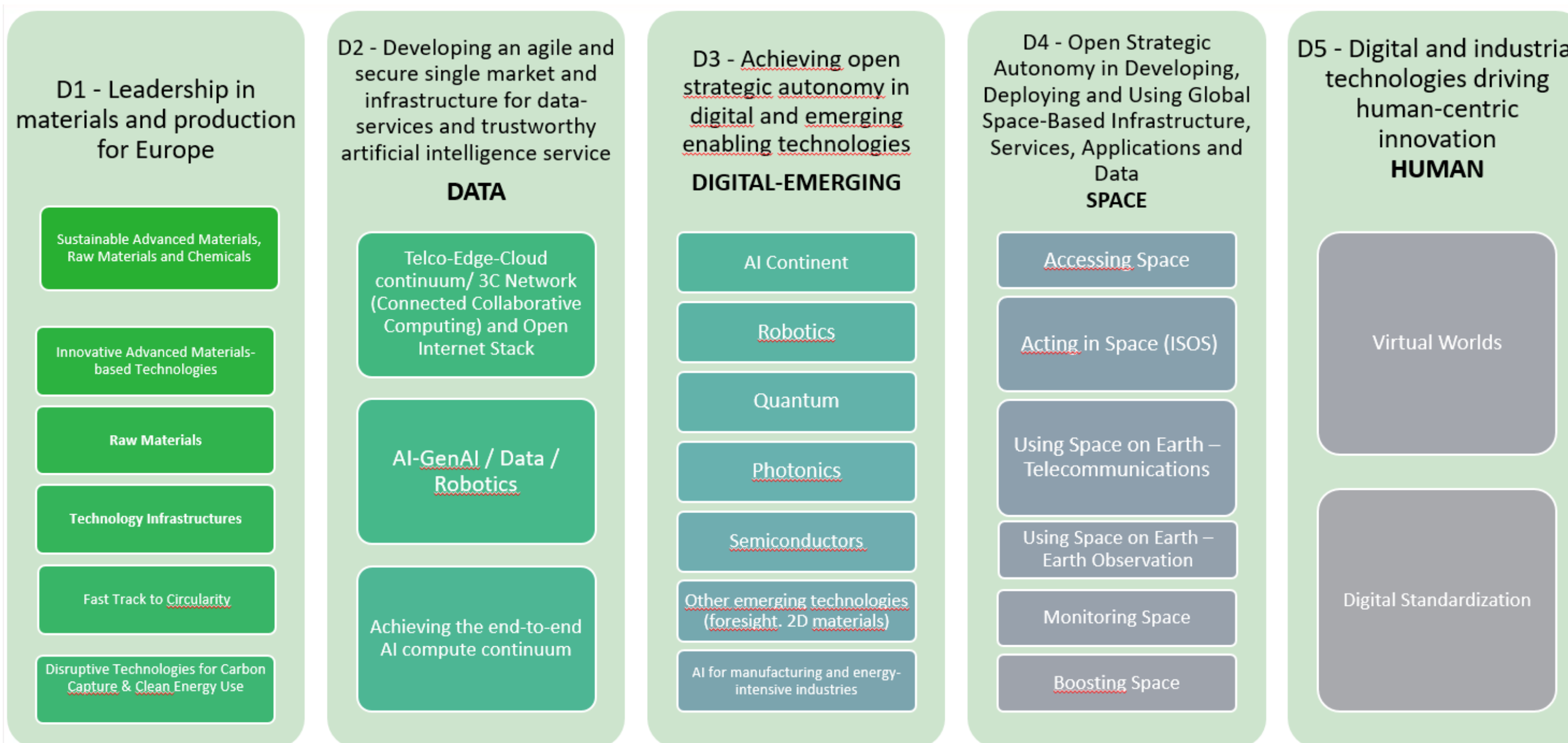
- ✎ Global **leadership in clean and climate-neutral industrial value chains**, circular economy and climate-neutral digital systems and infrastructures (networks, data centres)
- ✎ Achieving technological leadership for Europe's open strategic autonomy in **raw materials, chemicals and innovative materials**
- ✎ Globally **attractive, secure and dynamic data-agile economy** by developing and enabling the uptake of the next-generation computing and data technologies and infrastructures (including space infrastructure and data)
- ✎ **Sovereignty in digital technologies and in future emerging enabling technologies** by strengthening European capacities in key parts of digital and future supply chains
- ✎ **Strategic autonomy in** conceiving, developing, deploying and using **global space-based infrastructures, services, applications and data**
- ✎ A **human-centred and ethical development** of digital and industrial technologies

MERGED!

Industry / Materials – Policy Framework



CLUSTER 4 –Work Programme 2026 Overview



CLUSTER 4 –Overview Work Programme 2026 /27

Scadenze

'26

17 Marzo 2026 - INDUSTRY two-stage (prima fase)
 15 Aprile 2026 - DIGITAL (entrambe le call)
 21 Aprile 2026 - INDUSTRY single stage
 03 Settembre 2026 - SPACE

'27

02 Febbraio 2027 - INDUSTRY (entrambe le call: single stage + first stage two-stage)
 18 Marzo 2027 - DIGITAL (entrambe le call)
 02 Settembre 2027 - SPACE + INDUSTRY two-stage (second stage)

CLUSTER 4 –Overview Work Programme 2026 /27

Versione WP:
Pre-published

		2026	2027
<u>Destination 1</u>	<u>Materials Production</u>	353,8	319
<u>Destination 2</u>	DATA	76	112
<u>Destination 3</u>	Digital <u>Emerging</u>	205	166
<u>Destination 4</u>	Space	92	36
<u>Destination 5</u>	HUMAN	48	52

CI4 –Destination : Leaders in Materials and Production for Europe

Obiettivo: rafforzare la competitività globale dell'industria europea attraverso la transizione verde e digitale.

Focus: sviluppo, uso e gestione di chimica, materiali avanzati e materie prime critiche.

Quadro politico di riferimento:

- Clean Industrial Deal (2025)
- Critical Raw Materials Act
- Advanced Materials Communication & Act (2026)
- Future Circular Economy Act (2026)
- Steel & Metals AP (2025) Chemicals AP (2025)
- Automotive AP (2025)
- Strategia su infrastrutture di R&I

CI4 –Destination : Leaders in Materials and Production for Europe

Focus area	# Topics	Budget totale (M€)	Opening	Deadline	Keywords	# IA	# RIA	# CSA
Sustainable Advanced Materials, Raw Materials and Chemicals	4	126	16 Dec 2025 / 06 Jan 2026	17 Mar 2026 / 21 Apr 2026	Advanced Materials, Chemicals, Japan Cooperation, Safe & Sustainable	2	1	1
Fast Track to Circularity (Advanced Manufacturing & Circular Processes)	6	229	06 Jan 2026 / 22 Sep 2026	21 Apr 2026 / 02 Feb 2027	Advanced Manufacturing, Factory Automation, Circularity, De-/Re-manufacturing, CO ₂ Capture	2	3	1
Disruptive Technologies for Carbon Capture & Clean Energy Use	2	89	06 Jan 2026 / 22 Sep 2026	21 Apr 2026 / 02 Feb 2027	CO ₂ Capture, Energy Input, Clean Industry	1	1	0
Technology Infrastructures, Knowledge Valorisation & Support for Scaleups/Startups	6	170	06 Jan 2026 / 22 Sep 2026	21 Apr 2026 / 02 Feb 2027	Tech Infrastructures, Knowledge Transfer, Proof of Market	1	0	5
Raw Materials	5	73	06 Jan 2026 / 22 Sep 2026	21 Apr 2026 / 02 Feb 2027	Critical Raw Materials, Recycling, Secondary Materials, Processing	2	2	1
Innovative Advanced Materials-based Technologies	1	24	15 Jan 2026	15 Apr 2026	Sensing, Advanced Materials	0	1	0

The structure of the new Horizon Europe

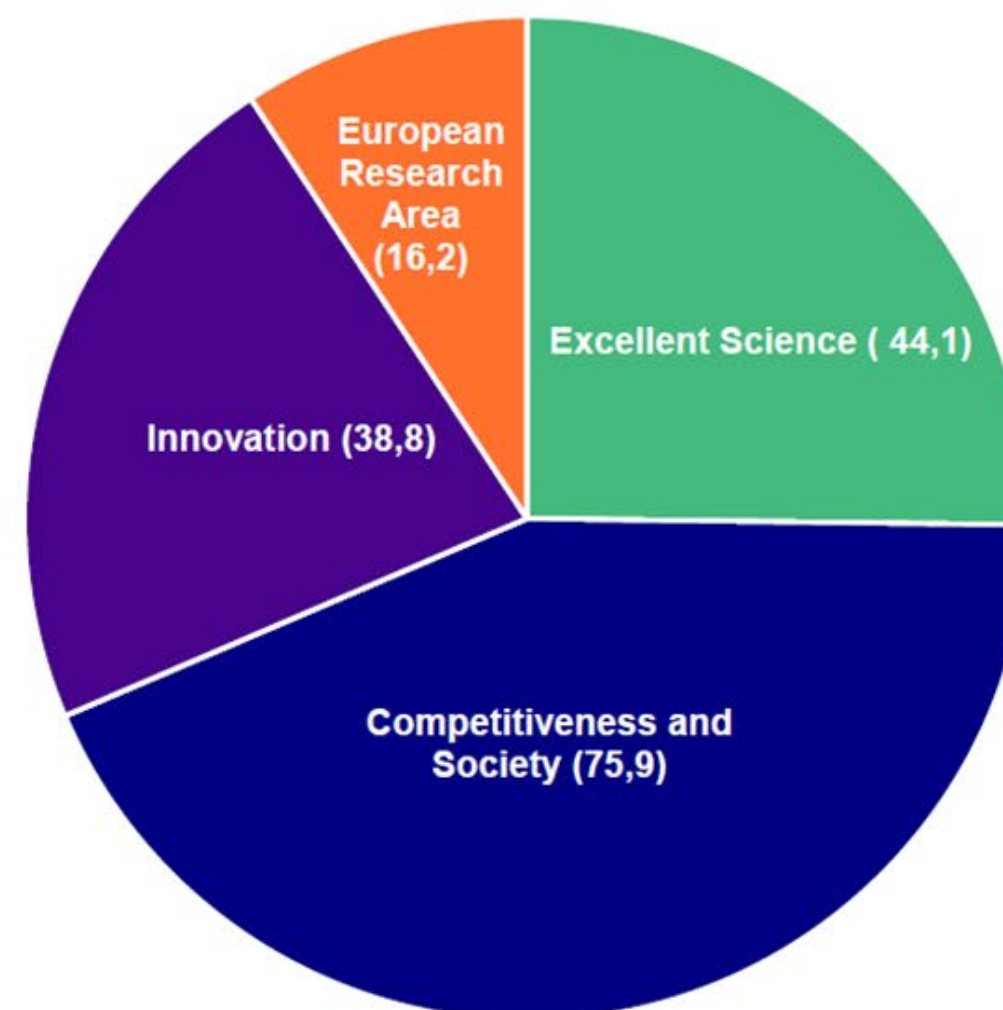


¹ Consistent with activities under the European Competitiveness Fund



The Budget

Horizon Europe total budget EUR 175 billion (current prices)
Figures all in EUR billion



■ Excellent Science (44,1) ■ Competitiveness and Society (75,9) ■ Innovation (38,8) ■ European Research Area (16,2)



Pillar II – Competitiveness and Society

Pillar II aims to support collaborative research and innovation in areas of high societal impact.

Indicative budget : **EUR 75.9 billion**, of which:

- EUR 68.3 billion for ‘Competitiveness’:
 - EUR 25.3 billion for ‘Clean Transition and Industrial Decarbonisation’
 - EUR 19.7 billion for ‘Health, Biotech, Agriculture and Bioeconomy’
 - EUR 16.9 billion for ‘Digital Leadership’
 - EUR 6.4 billion for ‘Resilience and Security, Defence Industry and Space’
- EUR 7.6 billion for ‘Society’



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2021 2027
HORIZON
EUROPE

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GIORNATE HORIZON EUROPE

GUIDA A HORIZON EUROPE

APRE BRIEF

AGENDA HORIZON EUROPE

» Info, aggiornamenti e materiali sul nuovo Programma Quadro

» Eventi sul Programma Quadro e le sue dimensioni

» Passo, passo dentro il nuovo Programma Quadro

» I factsheet sui temi e gli aspetti salienti di Horizon Europe

» I principali appuntamenti nazionali ed europei sul Programma Quadro

Registrati a **APREmailing**

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#HorizonEU



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