

HORIZON EUROPE Introduzione al programma

Serena Borgna, APRE

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17 Luglio 2023



17 LUGLIO (11.00 – 14.00)

AGENDA	Sessione 1 Introduzione, Cluster 1 e Cluster 2
11:00 – 12:15	Introduzione ad Horizon Europe Contesto, struttura, regole di partecipazione e schemi di finanziamento
12:15 – 12:20	<i>Pausa</i>
12:20 – 13:00	Il cluster 1 "Health" Obiettivi, peculiarità, bandi e scadenze
13:00 – 13:15	Q&A Gli esperti APRE rispondono
13:15 – 13:45	Il cluster 2 "Culture, Creativity and Inclusive Society" Obiettivi, peculiarità, bandi e scadenze
13:00 – 14:00	Q&A Gli esperti APRE rispondono

Docenti:

- Serena Borgna
- Caterina Buonocore

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Agenzia per la Promozione della Ricerca Europea

17 LUGLIO (15.00 – 18.00)

AGENDA	Sessione 2 Cluster 4, Cluster 5 e Cluster 6
15:00 – 16:00	Il cluster 4 “Digital, Industry & Space” e il cluster 5 “Climate, Energy and Mobility” <i>Obiettivi, peculiarità, bandi e scadenze</i>
16:00 – 16.45	Il cluster 6 “Food, Bioeconomy, Natural Resources, Agriculture & Environment” <i>Obiettivi, peculiarità, bandi e scadenze</i>
16:45 – 17:00	Pausa
17:00 – 18.00	Q&A Gli esperti APRE rispondono

Docente:

- Serena Borgna

ECOREI
ECOSISTEMA RICERCA E INNOVAZIONE

EVENTI M.O.R.

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18 LUGLIO (10.00 – 11.45)

Docente:

- Serena Borgna

AGENDA	ECCELLENZA E IMPATTO
10:00 – 10:45	Eccellenza <ul style="list-style-type: none">• Obiettivi e ambizione<ul style="list-style-type: none">○ Obiettivi SMART○ Stato dell'arte e TRL• Metodologia<ul style="list-style-type: none">○ Metodologia e Concetto. Sfide.○ Il principio del 'do not significant harm'○ Risultati precedenti○ Inter-disciplinarietà e multi-disciplinarietà○ La dimensione di genere○ Open science○ Data management e gestione dei risultati
10:45 – 11:00	Q&A
11:00 – 11:45	Impatto <ul style="list-style-type: none">• Definizioni e Tipologia• Impatto in Horizon Europe: l'impact pathway• L'importanza dello strategic planning• L'impatto nel template della proposta• Strumenti per massimizzare l'impatto• Comunicazione, Disseminazione e sfruttamento dei risultati<ul style="list-style-type: none">• Dissemination e Communication Plan• Open Access e Open Data• Proteggere i risultati. Cenni di IPR

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18 LUGLIO (11.45 – 13.00)

Docente:

- Serena Borgna

AGENDA

QUALITA' DELL'IMPLEMENTAZIONE

11:45 – 12:30

Qualità ed efficienza nell'implementazione

- Work plan & Work Packages
- WP Management
- Le tabelle delle risorse
- Stato dell'arte e TRL

'Consortium as a whole' e i partecipanti

- Complementarietà
- Partner industriali
- Paesi terzi

12:30 – 13:00

Q&A

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19 LUGLIO (10.00 – 18.00)

AGENDA	PROPOSAL WRITING LABS IMPATTO
10:00 – 10:30	Introduzione ai laboratori: background e spiegazione dell'esercizio <i>Creazione e divisione dei gruppi</i>
10:30 – 13:30	3 LABORATORI IN PARALLELO: <ul style="list-style-type: none">Cluster 1 "Health"Cluster 2 "Culture, Creativity and Inclusive Society"Cluster 4 "Digital, Industry & Space"
14:30 – 15:00	Introduzione ai laboratori: background e spiegazione dell'esercizio <i>Creazione e divisione dei gruppi</i>
15:00 – 18:00	2 LABORATORI IN PARALLELO: <ul style="list-style-type: none">Cluster 5 "Climate, Energy and Mobility"Cluster 6 "Food, Bioeconomy, Natural Resources, Agriculture & Environment"

Docenti:

- Claudia Iasillo
- Alessio Livio Spera

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Logo of the European Union, the Italian Republic, the Campania Region, and the FESR (Fondo Europeo di Sviluppo Regionale) are also visible.



21 LUGLIO (10.00 – 11.45)

AGENDA	Sessione 1 EIC Pathfinder & EIC Transition
10:00 – 10:15	Horizon Europe Pilar III Innovative Europe <i>Introduzione al 3° pilastro di Horizon Europe</i>
10:15 – 10:45	European Innovation Council EIC Pathfinder <ul style="list-style-type: none">• Come funziona• Chi può partecipare• Cosa offre
10:45 – 11:00	Q&A
11:00 – 11:30	European Innovation Council EIC Transition <ul style="list-style-type: none">• Come funziona• Chi può partecipare• Cosa offre• Processo di valutazione
11:30 – 11:45	Q&A

Docente:

- Valentina Fioroni

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Logos at the bottom: Unione Europea, Repubblica Italiana, Regione Campania, FESR, Sviluppo Campania.



21 LUGLIO (12.00 – 13.30)

AGENDA	Sessione 2 EIC accelerator e altri strumenti del pilastro Innovative Europe
12:00 – 12:30	European Innovation Council EIC Accelerator <ul style="list-style-type: none"> • Come funziona • Chi può partecipare • Cosa offer • Processo di valutazione
12:30 – 12:45	Q&A
12:45 – 13:00	European Innovation Ecosystem
13:00 – 13:15	European Institute of Innovation & Technology
13:15 – 13:30	Q&A

Docente:

- Valentina Fioroni

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24 LUGLIO (10.00 – 11.45)

AGENDA	Sessione 1 ERC – European Research Council
10:00 – 10:30	European Research Council Introduzione agli schemi di finanziamento <ul style="list-style-type: none"> • Struttura e novità del nuovo programma dedicato all'Excellence Science. • Gli schemi Starting, Consolidator e Advanced Grant: i cambiamenti del Programma di lavoro 2024
10:30 – 11:30	European Research Council Elementi di progettazione <ul style="list-style-type: none"> • Quali caratteristiche deve avere un CV ERC • Come e cosa scrivere nelle sezioni CV, funding ID e Track record • Come scrivere un progetto ERC
11:30 – 11:45	Q&A

Docente:

- Marco Ferraro

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24 LUGLIO (12.00 – 14.00)

AGENDA

SESSIONE 2 | MSCA - AZIONI MARIE SKŁODOWSKA-CURIE

12:00 – 13:45 **Le Azioni Marie Skłodowska-Curie (MSCA) | Introduzione agli schemi di finanziamento**

- MSCA Postdoctoral Fellowships
- MSCA Doctoral Networks
- MSCA Staff Exchanges

13:45 – 14:00 **Q&A**

Docente:

- Marco Ferraro

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INTRODUZIONE AL PROGRAMMA



Mariya Gabriel, European Commissioner for Innovation, Research, Culture, Education and Youth

*“The programme aims at giving Europe a new push to a global positioning. Horizon Europe is to be **the biggest and most ambitious EU Research Innovation programme ever**. It builds on the success of Horizon 2020 and improves it further by fostering a stronger support to **breakthrough innovation** through the European Innovation Council, by creating greater **impact** through R&I **missions** and by streamlining **partnerships** landscape.”*



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



EUROPEAN UNION

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#HorizonEU

HORIZON EUROPE



THE EU RESEARCH &
INNOVATION PROGRAMME
2021 - 2027





HORIZON EUROPE

95,5 Mlr €

L'ambizioso programma quadro dell'UE per la ricerca e l'innovazione (2021-2027)



rafforzare le basi scientifiche e tecnologiche dell'UE e lo spazio europeo della ricerca (SER)



migliorare la capacità innovativa, la competitività e l'occupazione in Europa



conseguire gli obiettivi prioritari per i cittadini e sostenere il nostro modello socio-economico e i nostri valori

dimensione

SCIENTIFICA

ECONOMICA

SOCIALE

di Horizon Europe



Horizon Europe legislation defines three types of impact tracked through **Key Impact Pathways**





Lessons Learned

from Horizon 2020 Interim Evaluation



Support breakthrough innovation



European Innovation Council



Create more impact through mission-orientation and citizens' involvement



EU Missions



Rationalise partnerships' landscape



New approach to partnerships



Reinforce openness



Open science policy



Strengthen international cooperation



Extended association possibilities



Encourage participation



Spreading Excellence



Synergies with other Union programmes

HORIZON EUROPE			
Other Union Programmes, including			
Common Agricultural Policy	InvestEU	ESF+	Innovation Fund
External Instrument	LIFE	Digital Europe	Internal Security Fund and Instrument for Border Management
Maritime & Fisheries Fund	EU4Health	Space Programme	
Connecting Europe Facility	ERDF	ERASMUS+	Single Market Programme
Just Transition Mechanism		Creative Europe	Recovery and Resilience Facility



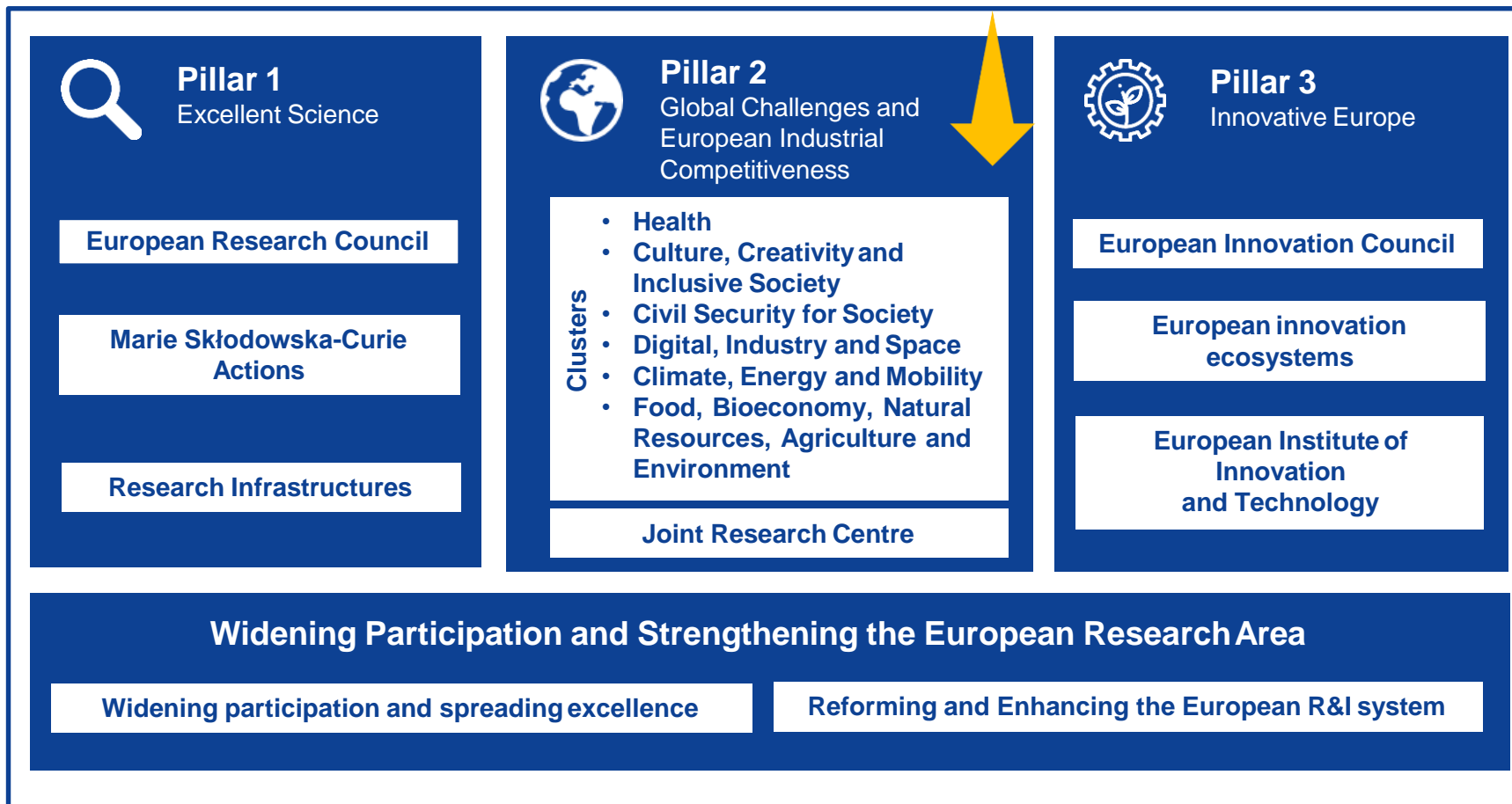
Enhanced synergies

COMPATIBILITY
Harmonisation of funding rules; flexible co-funding schemes; pooling resources at EU level

COHERENCE & COMPLEMENTARITY
Alignment of strategic priorities in support of a common vision

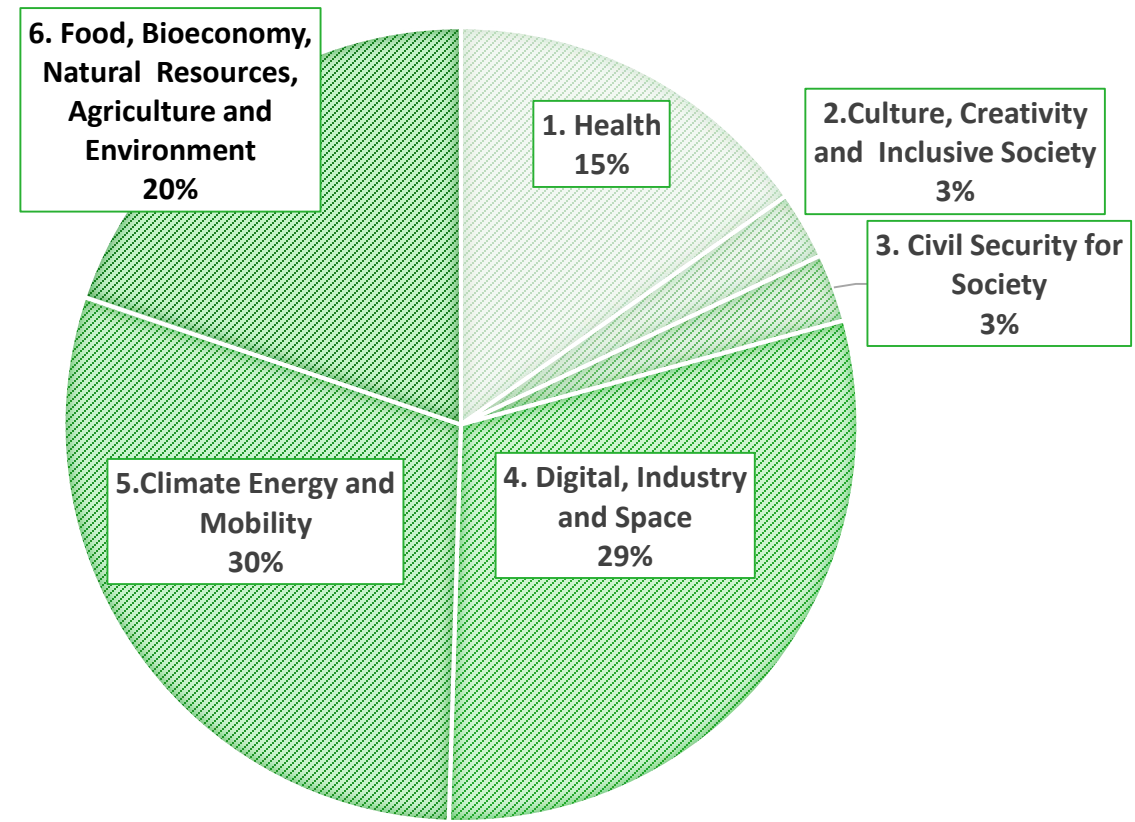
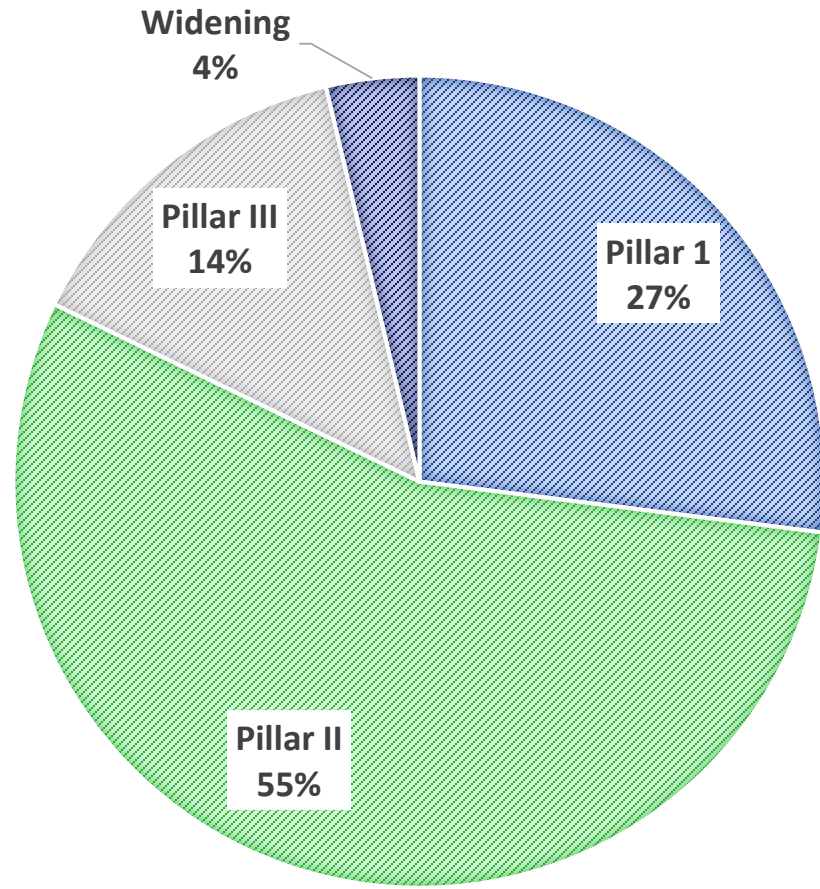


Horizon Europe: struttura





Budget - Distribuzione





<i>Tema</i>	<i>Miliardi €</i>	<i>% sul totale</i>
Pillar I	25,013	26,19%
ERC	16,004	16,75%
MSCA	6,603	6,91%
Reasearch Infrastructures	2,406	2,52%
Pillar II	53,517	56,03%
Clusters	51,547	53,96%
1. Health	8,246	8,63%
2. Culture Creativity Inclusive Society	2,281	2,39%
3. Civil Security for Society	1,597	1,67%
4. Digital, Industry and Space	15,348	16,07%
5. Cimate, Energy and Mobility	15,123	15,83%
6. Food, Bioeconomy, Natural Resources, Agriculture, Environment	8,952	9,37%
JRC	1,970	2,06%
Pillar III	13,599	14,24%
EIC	10,105	10,58%
Innovation Ecosystems	0,528	0,55%
EIT	2,966	3,11%
Strengthening ERA	3,393	3,55%
Widening participation spreading exc.	2,955	3,09%
EU R&I System	0,438	0,46%
TOTALE	95,522	100,00%

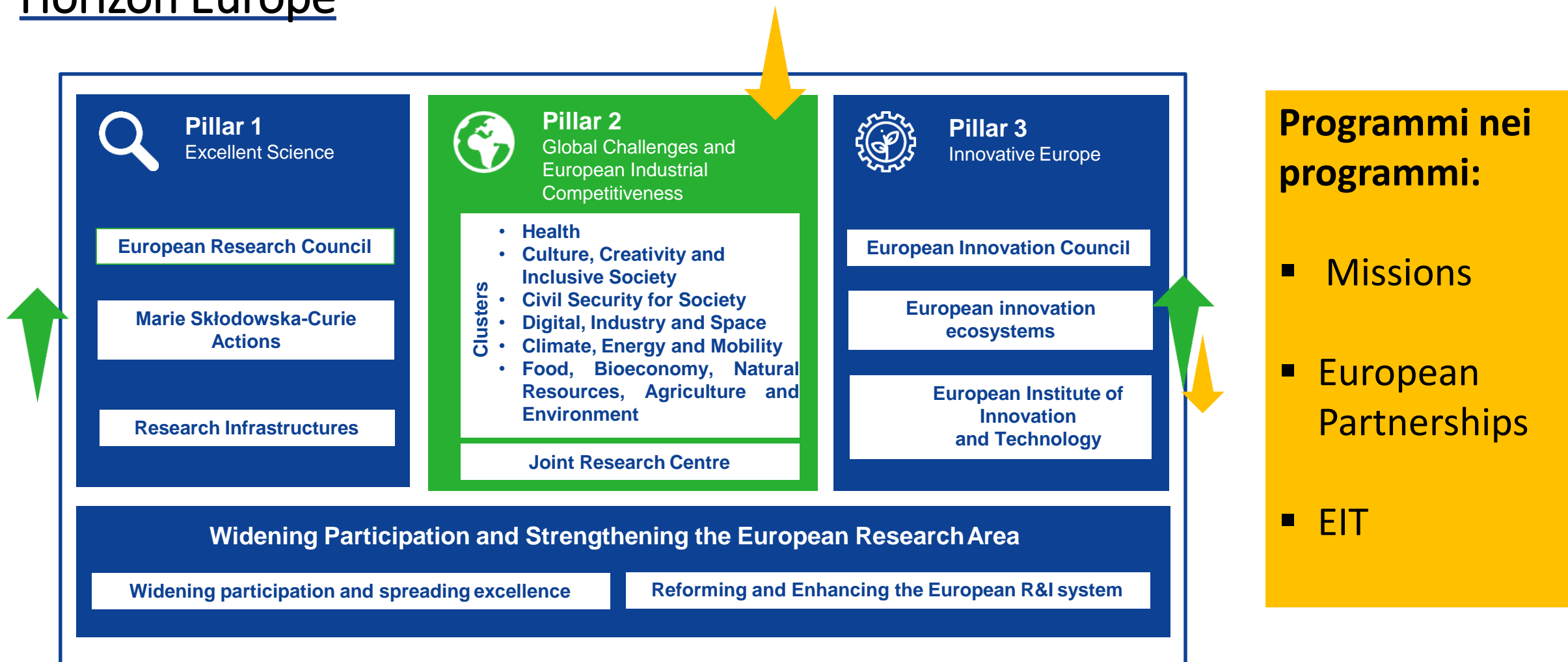
ERC

CL 4-5

EIC

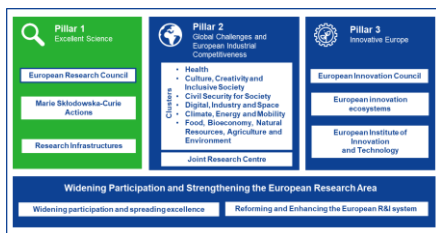


Horizon Europe

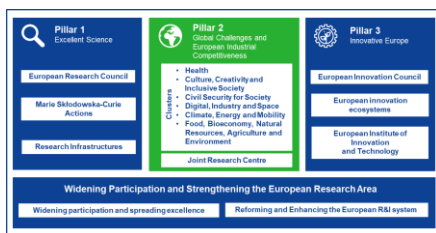




SPECIFIC OBJECTIVES



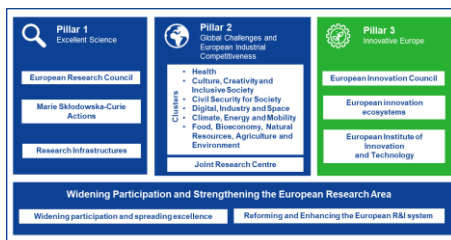
to develop, promote and advance scientific excellence, support the creation and diffusion of **high-quality new fundamental and applied knowledge, skills, technologies and solutions**, training and mobility of researchers, attract talent at all levels and contribute to full engagement of Union's talent pool in actions supported under this Programme; bottom up.



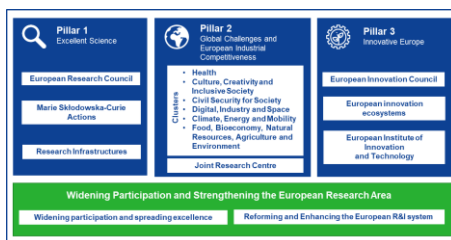
to generate knowledge, strengthen **the impact of research and innovation** in developing, supporting and implementing Union policies and support the access to and uptake of innovative solutions in European industry, notably in SMEs, and society to address global challenges, including climate change and the Sustainable Development Goals; top down.



SPECIFIC OBJECTIVES



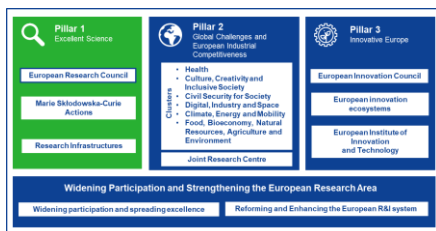
to foster **all forms of innovation**, facilitate technological development, demonstration and knowledge and technology transfer, strengthen deployment and exploitation of innovative solutions; bottom up



to optimise the Programme's delivery for **strengthening and increasing the impact and attractiveness of the European Research Area**, to foster the excellence-based participations from all Member States, including low R&I performing Member States, in Horizon Europe and to facilitate collaborative links in European research and innovation. Top down



SPECIFIC OBJECTIVES



to develop, promote and advance scientific excellence, support the creation and diffusion of **high-quality new fundamental and applied knowledge, skills, technologies and solutions**, training and mobility of researchers, attract talent at all levels and contribute to full engagement of Union's talent pool in actions supported under this Programme; bottom up.

Consiglio europeo della ricerca	Azioni Marie Skłodowska- Curie	Infrastrutture di ricerca
Ricerca di frontiera effettuata dai migliori ricercatori e dai loro gruppi	Mobilità e formazione per fornire nuove conoscenze e competenze ai ricercatori	Infrastrutture di ricerca di livello mondiale integrate e interconnesse
16,8 miliardi di EUR <i>(p. correnti)</i>	6,9 miliardi di EUR <i>(p. correnti)</i>	2,5 miliardi di EUR <i>(p. correnti)</i>



MISSION

- The ERC's **mission** is to encourage the highest quality research in Europe through competitive funding and to support investigator-driven frontier research across all fields, on the basis of scientific excellence.
- The **aim** here is to recognise the best ideas, and confer status and visibility on the best brains in Europe, while also attracting talent from abroad.

OBJECTIVES

- to provide attractive, long-term funding to support excellent investigators and their research teams to pursue *ground-breaking, high-gain/ high-risk research*.
- Scientific excellence is the sole criterion
- Applications can be made in any field of research



Scientific excellence & Independent researchers

- ↗ The fundamental activity of the ERC is to provide attractive, long-term funding to support excellent investigators and their research teams to pursue ground-breaking, high-gain/high-risk research.

Scientific excellence is the sole criterion on the basis of which ERC frontier research grants are awarded

- ↗ The ERC awards funding to excellent investigators looking to set up or consolidate their own independent research team or programme, as well as to already established research leaders

Independent researchers of any age and career stage can apply for attractive long-term funding



Focus on Principal Investigators

The ERC frontier research grants aim to empower individual researchers and provide the best settings to foster their creativity

- ▣ The ERC supports individual Principal Investigators. Support for consortia is provided by other calls under Horizon Europe

Starting
Grant

Consolidator
Grant

Advanced
Grant

Synergy
Grant



Grant	Objectives	Maximum size and duration of the award
Starting Grant	<p>Support for excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme.</p> <p>Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.</p>	<p>Up to EUR 1 500 000 for a period of 5 years.</p> <p>Additional funding up to EUR 1 000 000.</p>
Consolidator Grant	<p>Support for excellent Principal Investigators at the career stage at which they may still be consolidating their own independent research team or programme.</p> <p>Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.</p>	<p>Up to EUR 2 000 000 for a period of 5 years.</p> <p>Additional funding up to EUR 1 000 000.</p>
Advanced Grant	<p>Support for excellent Principal Investigators at the career stage at which they are already established research leaders with a recognised track record of research achievements.</p> <p>Principal Investigators must demonstrate the ground-breaking nature, ambition and feasibility of their scientific proposal.</p>	<p>Up to EUR 2 500 000 for a period of 5 years.</p> <p>Additional funding up to EUR 1 000 000.</p>

WORK PROGRAMME ERC

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2024/wp_horizon-erc-2024_en.pdf (WP 2024)

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance/information-for-applicants_he-erc-stg-cog_en.pdf (Information for applicants)

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/temp-form/af/af_he-erc-stg_en.pdf (Template 2024)

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/experts/guide-for-peer-reviewers_he-erc-stg-cog_en.pdf (Guide for Peer Reviewers)

EN
ANNEX
European Commission Decision C(2023) 3999

ERC Work Programme 2024



European Research Council

Established by the European Commission



NUOVO WP 2024 (importanti cambiamenti)

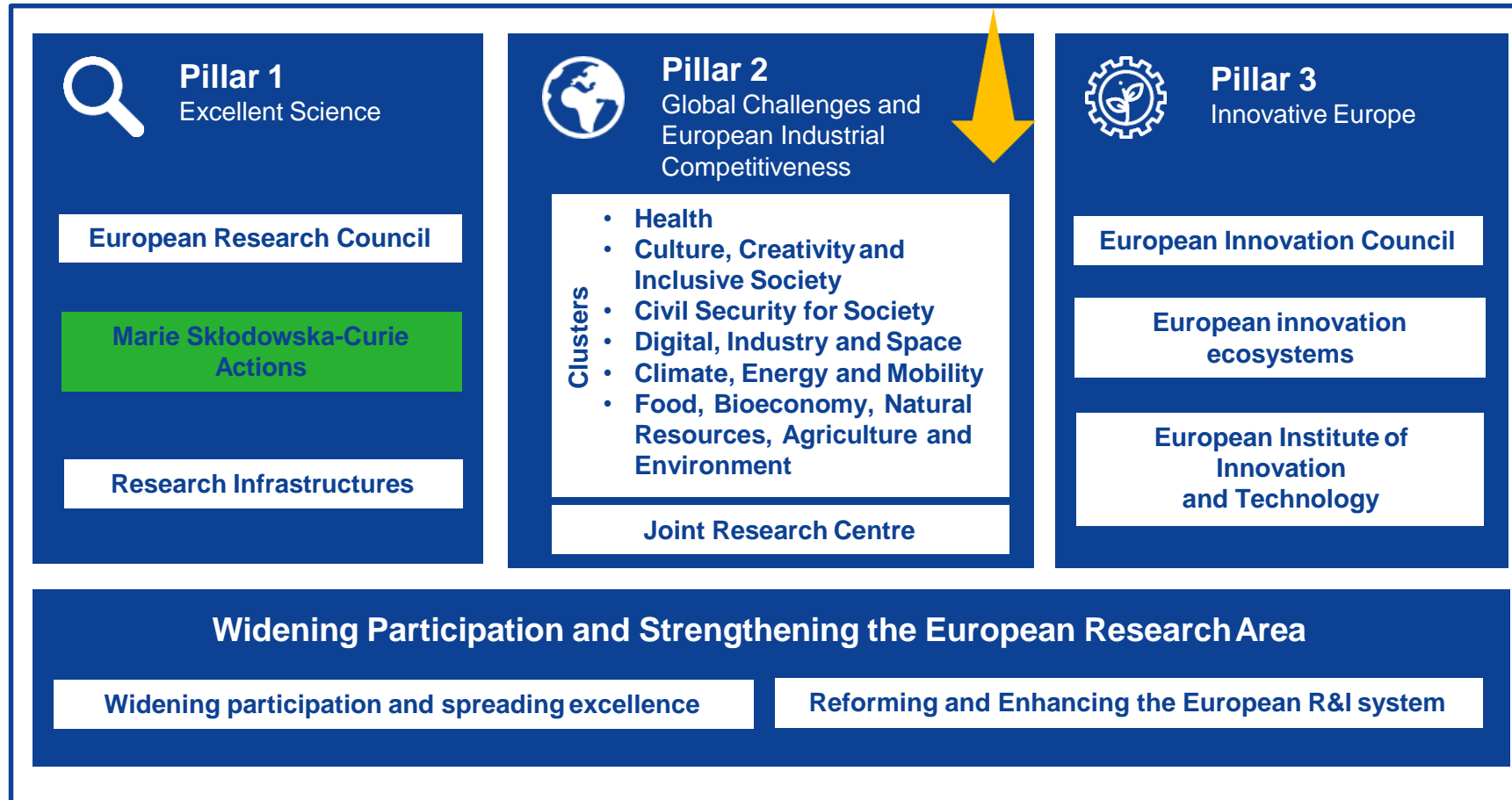
Indicative summary of calls from the 2024 budget¹⁹

	<i>Starting Grant</i>	<i>Consolidator Grant</i>	<i>Advanced Grant</i>	<i>Synergy Grant</i>
<i>Call identifier</i>	ERC-2024-StG	ERC-2024-CoG	ERC-2024-AdG	ERC-2024-SyG
<i>Call opens</i>	11 July 2023	12 September 2023	29 May 2024	12 July 2023
<i>Call deadline</i>	24 October 2023	12 December 2023	29 August 2024	8 November 2023





Horizon Europe: struttura





Excellence



- ▣ individual fellows
- ▣ collaborations fostered
- ▣ knowledge transferred
- ▣ R&I methodologies applied
- ▣ the research conducted
- ▣ training, supervision and career guidance provided



Mobility



Physical mobility: researchers who receive funding have to move from one country to another to acquire new knowledge, skills and competences, and develop their research career.



MSCA intervention areas

1. Nurturing Excellence through Mobility of Researchers across Borders, Sectors and Disciplines

2. Fostering new Skills through Excellent Training of Researchers

3. Strengthening Human Capital and Skills Development across the European Research Area

4. Improving and Facilitating Synergies

5. Promoting Public Outreach



Actions

- ➔ 1 MSCA Doctoral Networks
- ➔ 2 MSCA Postdoctoral Fellowships
- ➔ 3 MSCA Staff Exchanges
- 4 MSCA COFUND
- 5 MSCA and Citizens

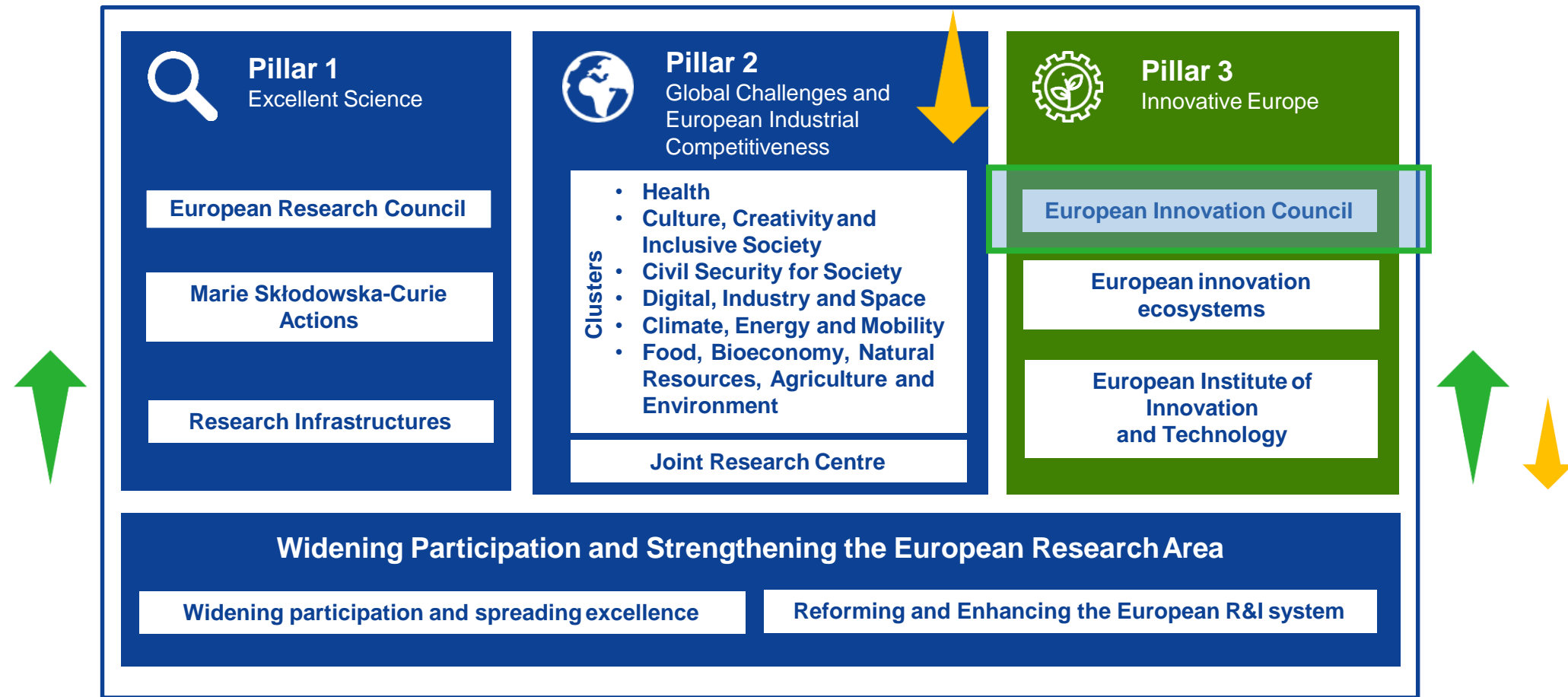


MSCA 2023-24

Actions	Opening	Deadline
Doctoral Networks	30 May 2023 29 May 2024	28 November 2023 27 November 2024
Postdoctoral Fellowships	12 April 2023 10 April 2023	13 September 2023 11 September 2024
Staff Exchanges	5 October 2023 10 October 2024	28 February 2024 5 March 2025
Co-funding of regional, national and international programmes (COFUND)	10 October 2023 8 October 2024	8 February 2024 6 February 2025
MSCA and Citizens	20 June 2023	25 October 2023



Horizon Europe: struttura





Consiglio europeo per l'innovazione (EIC)

Sostegno alle innovazioni pionieristiche e dirompenti e al potenziale di espansione dei progetti che sono troppo rischiosi per gli investitori privati (*il 70 % del bilancio è destinato alle PMI*)

**Consiglio europeo
per l'innovazione –
uno sportello unico**

Aiutare gli innovatori a creare i mercati del futuro, mobilitare fondi privati e sviluppare le loro imprese

Progetti incentrati sull'innovazione, snelli ed inclini ad assumere rischi, gestione e seguito proattivi

Due strumenti complementari colmano il divario tra l'idea e il progetto investibile

Pathfinder: sovvenzioni
(dalla tecnologia in fase iniziale
alla fase pre-commerciale)

**Accelerator: solo sovvenzioni &
finanziamenti misti**
(dalla fase pre-commerciale
alla fase di mercato ed espansione)



EIC – FROM RESEARCH TO MARKET

EIC: Integrated, agile support across the full **innovation spectrum** from the early-stage research to start-up and scale-up





EIC main instruments and characteristics

Pathfinder (TRL1-4)

- **For consortia**
- Early stage research on breakthrough technologies
- **Grants up to €3/4 million**

Transition (TRL 4-6)

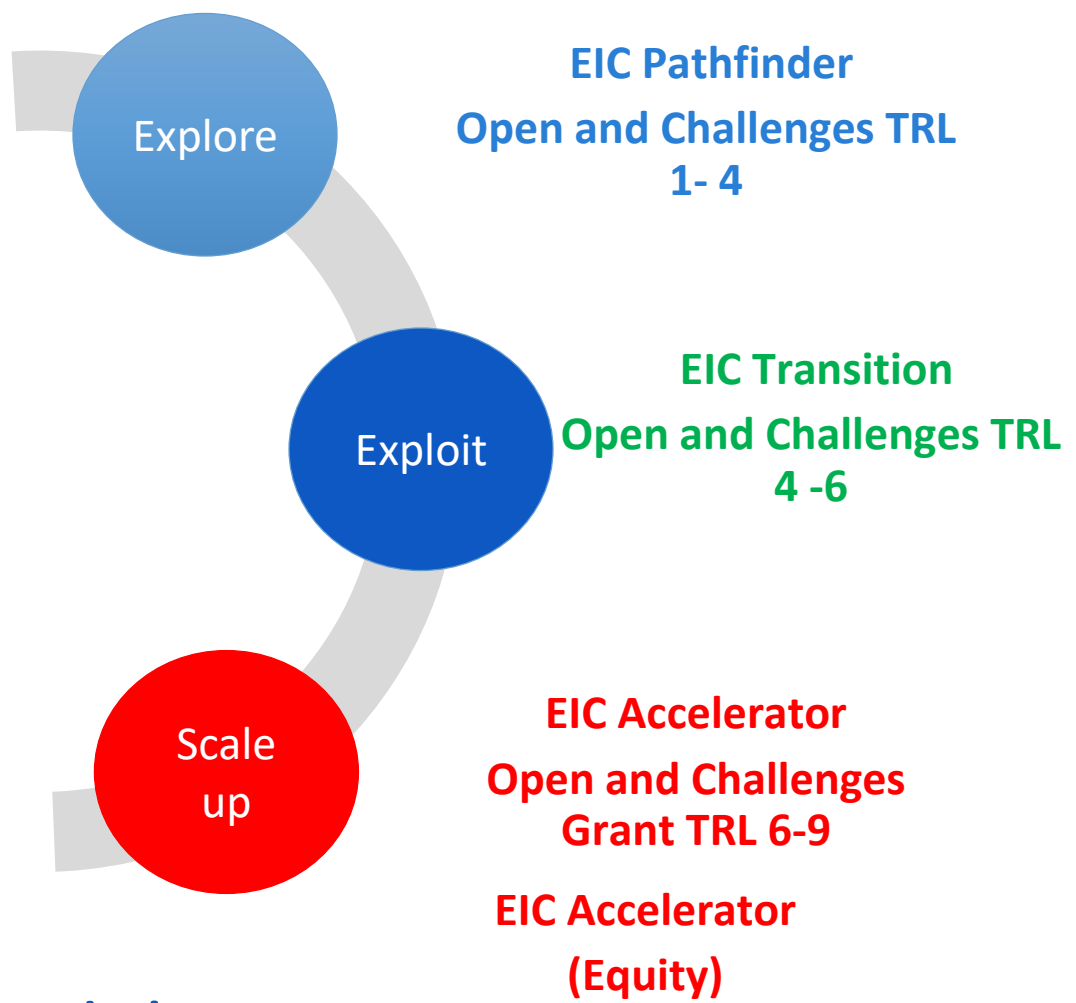
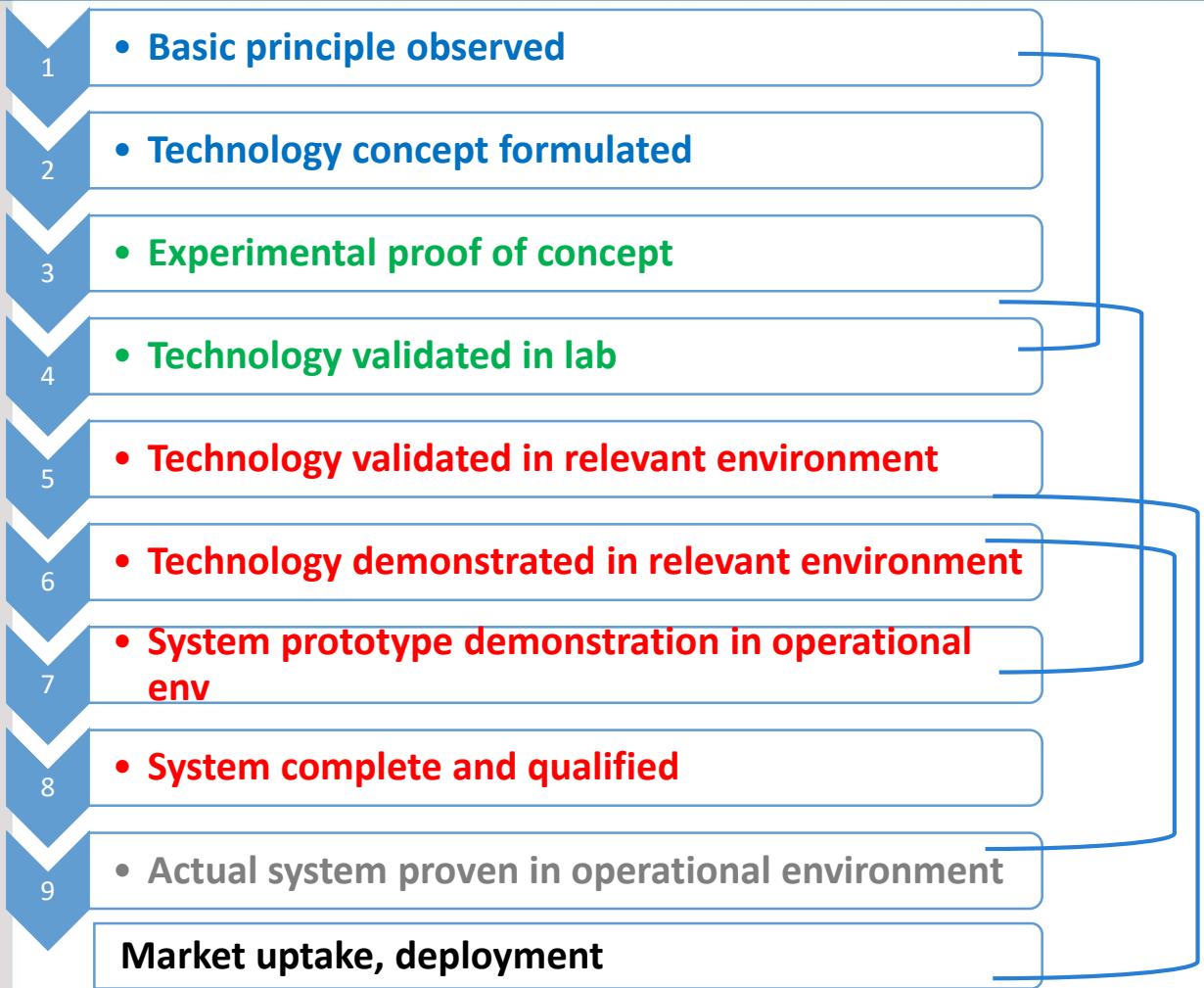
- **For consortia and single entities**
- Technology maturation from proof of concept to validation
- Business & market readiness
- **Grants up to €2.5 million**

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**)

- Focus on **breakthrough, market-creating, deep-tech**
- **Mainly bottom up** complemented by targeted funding on strategic technologies/ challenges
- Steered by **EIC Board** of leading innovators (entrepreneurs, investors, researchers, ecosystem)
- **Business Acceleration Services** (coaches/ mentors, corporates, investors, ecosystem)
- **Pro-active management** (roadmaps, reviews, re-orientations, etc) with EIC Programme Managers
- **Fast track access** to Accelerator for results from EIT, EIC Pathfinder,





The EIC Instruments and the TRL



EIC main calls in 2023 - overview

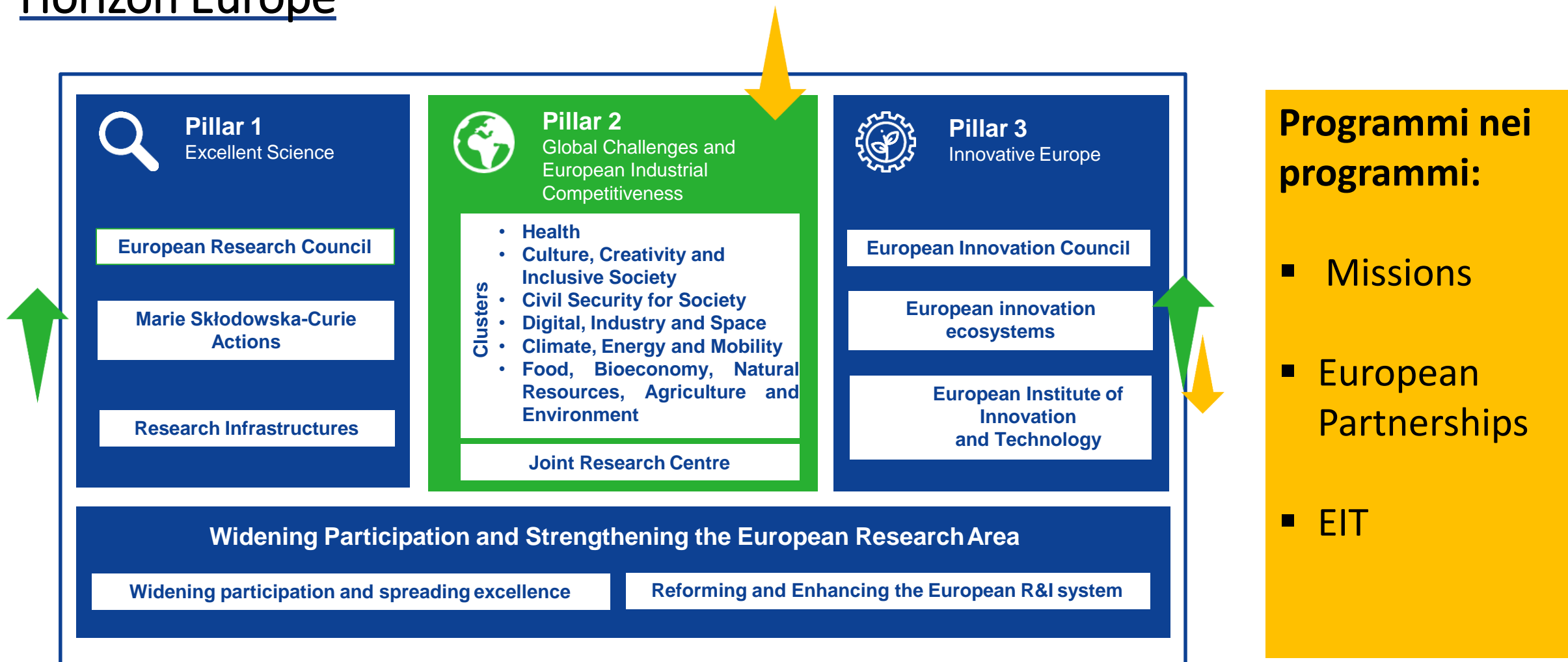
<p>Accelerator - Open</p>	<p>Short applications - Apply any time</p>	<p>~€613m (~grant/equity)</p>
<p>Accelerator – Challenges</p> <ul style="list-style-type: none"> • Novel biomarker-based assays to guide personalised cancer treatment • Aerosol and surface decontamination for pandemic management • Energy storage • New European Bauhaus and Architecture, Engineering and Construction digitalisation for decarbonisation • Emerging semiconductor or quantum technology component • Novel technologies for resilient agriculture • Customer-driven, innovative space technologies and services 	<p>Cut offs for full applications:</p> <ul style="list-style-type: none"> • 11 January 2023 (not Challenges) • 22 March 2023 • 7 June 2023 • 4 October 2023 	<p>~€525m (~grant/equity)</p>
<p>Pathfinder - Open</p>	<p>Deadline 4 May 2023</p>	<p>~€179,50m</p>
<p>Pathfinder - Challenges</p> <ul style="list-style-type: none"> • Clean and efficient cooling • Architecture, Engineering and Construction digitalisation for a novel triad of design, fabrication, and materials • Precision nutrition • Responsible electronics • In-space solar energy harvesting for innovative space applications 	<p>Deadline 18 October 2023</p>	<p>~€163.50m</p>
<p>Transition – Open</p>	<p>Cut offs for full applications:</p>	<p>~€67.86m</p>
<p>Transition – Challenges</p> <ul style="list-style-type: none"> • Green digital devices for the future • Process and system integration of clean energy technologies; • RNA-based therapies and diagnostics for complex or rare genetic diseases 	<ul style="list-style-type: none"> • 12 April 2023 • 27 September 2023 	<p>~€60.5m</p>



I WP 2023-24 DEI CLUSTER DI HORIZON EUROPE



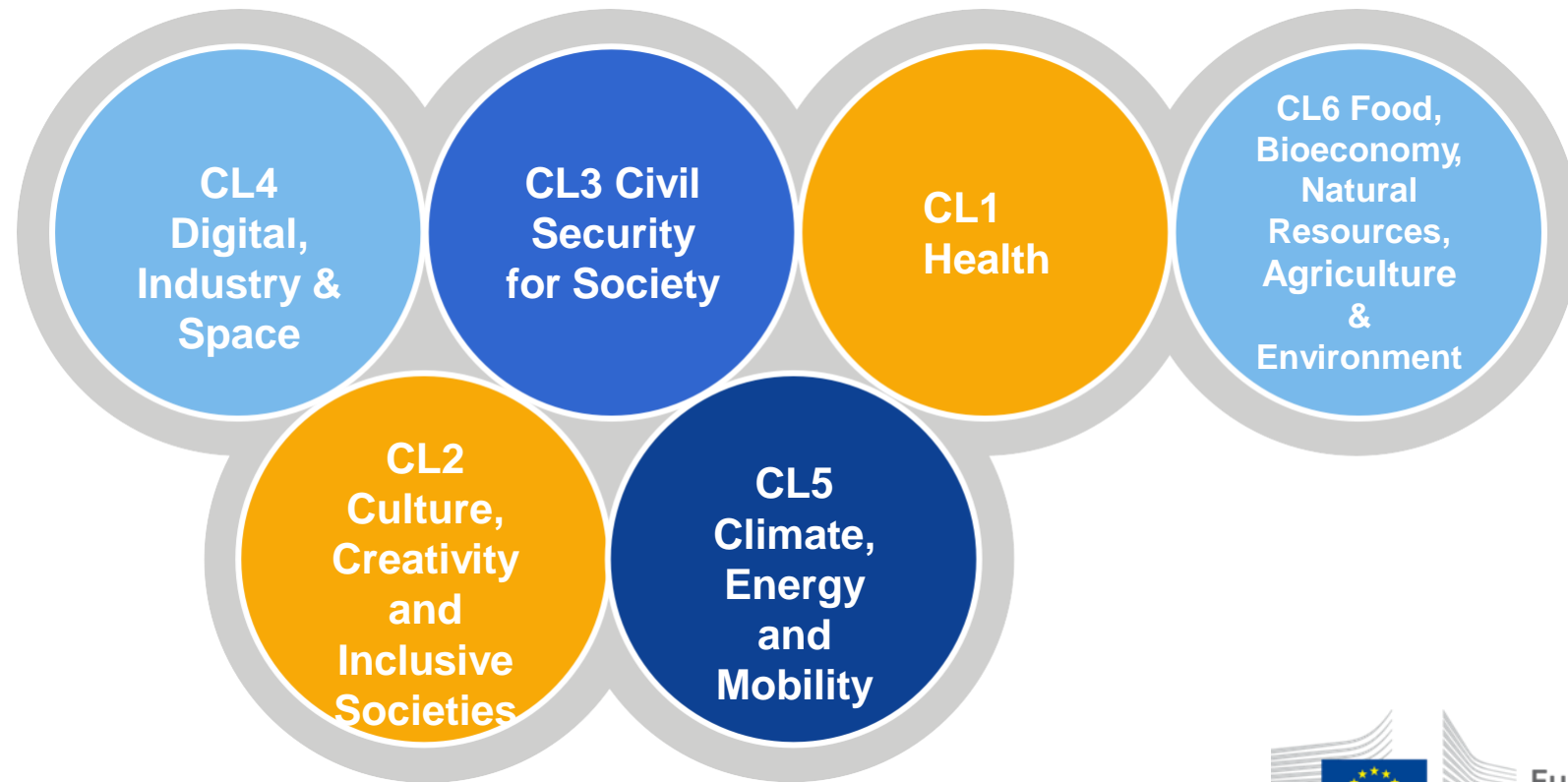
Horizon Europe





**SFIDE GLOBALI E COMPETITIVITÀ
INDUSTRIALE EUROPEA:**

promuovere tecnologie fondamentali e soluzioni a supporto delle politiche dell'UE e degli obiettivi di sviluppo sostenibile
Proposta della Commissione per il bilancio: 52,7 miliardi di EUR





Cluster	Aree di intervento	
Sanità	<ul style="list-style-type: none"> • Salute lungo l'arco della vita • Malattie non trasmissibili e rare • Strumenti, tecnologie e soluzioni digitali per la salute e l'assistenza, compresa la medicina personalizzata 	<ul style="list-style-type: none"> • Determinanti ambientali e sociali della salute • Malattie infettive, comprese le malattie correlate alla povertà e trascurate • Sistemi sanitari
Cultura, creatività e società inclusiva	<ul style="list-style-type: none"> • Democrazia e governance • Trasformazioni sociali ed economiche 	<ul style="list-style-type: none"> • Cultura, patrimonio culturale e creatività
Sicurezza civile per la società	<ul style="list-style-type: none"> • Società in grado di far fronte alle calamità • Protezione e sicurezza 	<ul style="list-style-type: none"> • Cibersicurezza
Digitale, industria e spazio	<ul style="list-style-type: none"> • Tecnologie produttive • Materiali avanzati • Internet di prossima generazione • Industrie circolari • Spazio, compresa l'osservazione della terra • Tecnologie abilitanti emergenti 	<ul style="list-style-type: none"> • Tecnologie digitali fondamentali, comprese le tecnologie quantistiche • Intelligenza artificiale e robotica • Calcolo avanzato e Big Data • Industria a basse emissioni di CO₂ e pulita • Tecnologie abilitanti emergenti
Clima, energia e mobilità	<ul style="list-style-type: none"> • Scienza e soluzioni climatiche • Sistemi energetici e reti • Comunità e città • Competitività industriale nei trasporti • Mobilità intelligente 	<ul style="list-style-type: none"> • Approvvigionamento energetico • Edifici e strutture industriali in transizione energetica • Trasporti e mobilità puliti, sicuri e accessibili • Immagazzinamento energetico
Prodotti alimentari, bioeconomia, risorse naturali, agricoltura e ambiente	<ul style="list-style-type: none"> • Osservazione ambientale • Agricoltura, silvicoltura e zone rurali • Sistemi circolari • Sistemi alimentari 	<ul style="list-style-type: none"> • Biodiversità e risorse naturali • Mari, oceani e acque interne • Sistemi di innovazione biologici nell'UE • Bioeconomia



ELEMENTI CHIAVE

Pillar 2- Global Challenges and European Industrial Competitiveness

- ▣ incentrato sulle **sfide globali e la competitività industriale**,
- ▣ migliorare **le problematiche della società e le tecnologie industriali** con un approccio *top-down*
- ▣ integrazione in cluster, con una serie di settori di intervento ciascuno, per incentivare la **collaborazione interdisciplinare, intersettoriale, trasversale e internazionale**, ottenendo così un **impatto** più elevato e cogliendo meglio il potenziale di innovazione che spesso è maggiore i punti di intersezione di discipline e settori
- ▣ il ruolo essenziale dell'**industria** nel conseguimento di tutti gli obiettivi del programma, favorito anche dagli investimenti nelle tecnologie abilitanti fondamentali del futuro.



ELEMENTI CHIAVE

Pillar 2- Global Challenges and European Industrial Competitiveness

- ▣ includono le **Partnership** (nuova razionalizzazione su tre categorie) e le **Missions** (che perseguiranno obiettivi ambiziosi ma realizzabili e circoscritti nel tempo, incoraggiando la partecipazione dei cittadini)
- ▣ aumento della quota di partecipazione nella ricerca e nel finanziamento da parte di **entità provenienti da paesi con basso e medio reddito**
- ▣ il ruolo dello **JRC** come fonte di dati scientifici e assistenza tecnica a sostegno delle politiche dell'Union



Testo Consolidato di Horizon Europe



Comitato di Programma Shadow (Strategico)



Priorità von der Leyen

Consultazione degli stakeholder sul Piano Strategico (in diverse fasi)

Missioni specifiche

Piano Strategico

Priorità di R&I

Aree per la Cooperazione Internazionale

Partenariati co-programmati e co-finanziati



5 Board per le Missioni



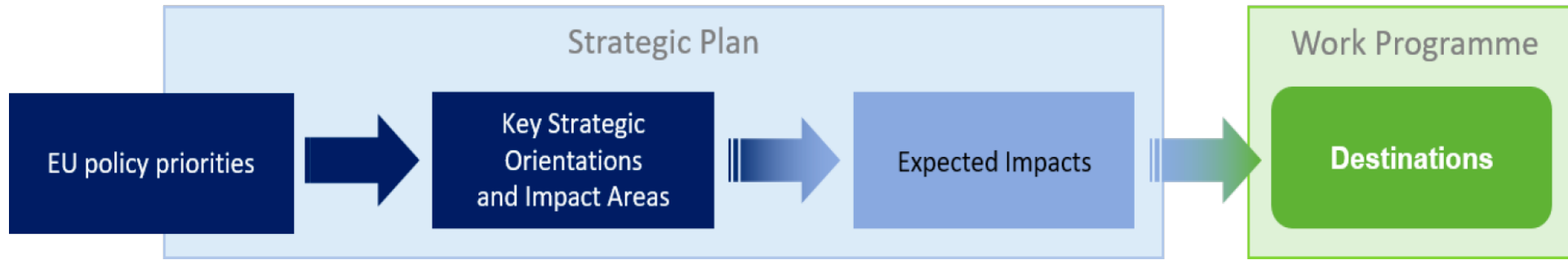
Comitati Tematici Shadow

Programmi di Lavoro di Horizon Europe

Calls for Proposals

Partenariati Istituzionalizzati

Processo di revisione dei Partenariati di R&I



From policy priorities to concrete action





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HE Key Strategic Orientations

Mirroring political priorities of the EU

A // Digital Transformation

Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains to accelerate and steer the digital and green transitions through human-centred technologies and innovations



B // Environmental Protection

Restoring Europe's ecosystems and biodiversity, and managing sustainably natural resources to ensure food security and a clean and healthy environment



C // Sustainable Development

Making Europe the first digitally enabled circular, climate-neutral and sustainable economy through the transformation of its mobility, energy, construction and production systems



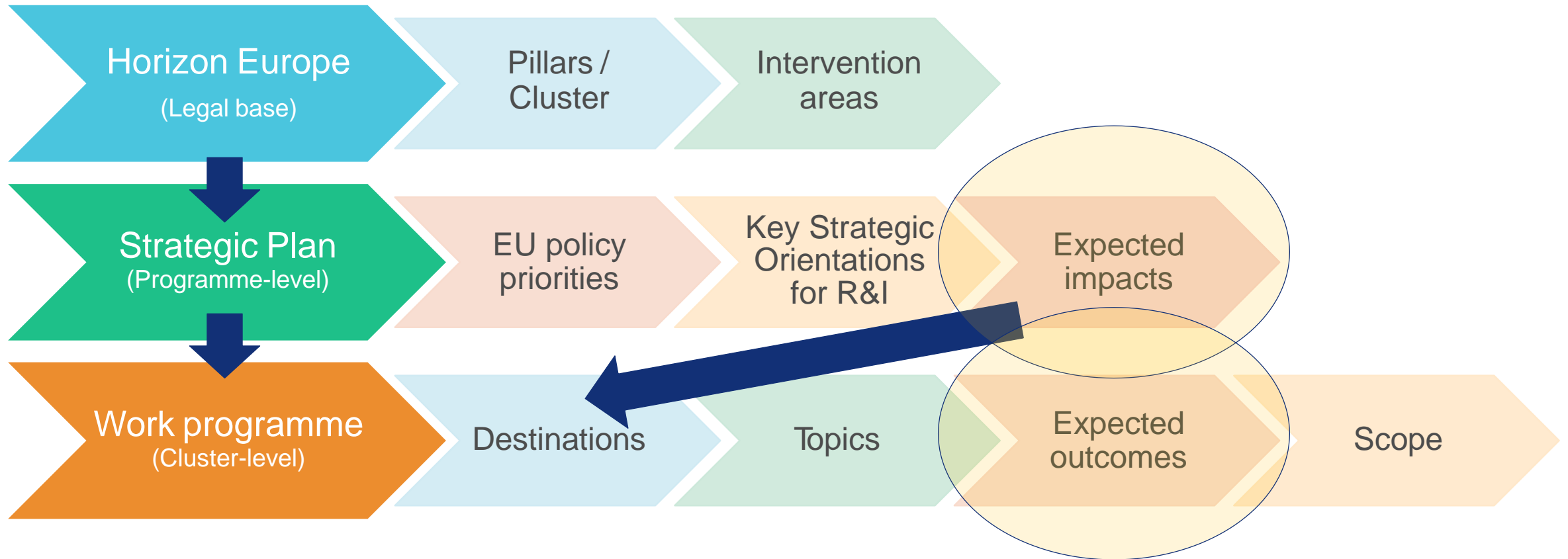
D // Resilience & Inclusiveness

Creating a more resilient, inclusive and democratic European society, prepared and responsive to threats and disasters, addressing inequalities and providing high-quality health care, and empowering all citizens to act in the green and digital transitions





Horizon Europe Intervention Logic





STRATEGIC PLAN

EC POLICY PRIORITIES

Political Guidelines for the European Commission 2019-2024 (and other key strategic documents - e.g. Green Deal)

KEY STRATEGIC ORIENTATIONS FOR R&I

Set of strategic objectives within the EC policy priorities where R&I investments are expected to make a difference

IMPACT AREAS

Group of expected impacts highlighting the most important transformation to be fostered through R&I

EXPECTED IMPACTS
=> DESTINATIONS

= General objectives

Wider effects on society (incl. the environment), the economy and science enabled by the outcomes of R&I investments (long term)

EXAMPLE	<i>Strategic Plan & Work Programme: R&I contribution to seamless, smart, inclusive and sustainable mobility services</i>	<i>Project : Increase maximum passenger capacity by 15% and passenger average throughput by 10%, leading to a 28% reduction in infrastructure expansion costs</i>
----------------	--	---

EXPECTED OUTCOMES
=> TOPICS

= Specific objectives

Effects of Horizon Europe projects such as uptake, diffusion, use and deployment of the projects' results by direct target groups (medium term)

EXAMPLE	<i>Work Programme : Innovative accessibility and logistics solutions applied by the European Transport sector</i>	<i>Project : At least 9 European airports adopt the advanced forecasting system that was demonstrated during the project</i>
----------------	---	--

EXPECTED OUTPUTS
=> PROJECT RESULTS

= Operational objectives

What is produced during the project implementation, such as innovative solutions, algorithms, new business models, guidelines, policy recommendations, methodologies, publications, database, prototypes, trained researchers, new infrastructures, proof of feasibility, networks, etc. (short term)

EXAMPLE	<i>Project (by the end of its implementation): Successful large-scale demonstration trial with 3 airports of an advanced forecasting system for proactive airport passenger flow management</i>	
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CLUSTER IMPACT SUMMARY

Cluster 1
HEALTH



- Introduction
- HOW WILL CLUSTER 1 OF HORIZON EUROPE MAKE A DIFFERENCE?
 - 1. Expected impacts of cluster 1
 - 2. International cooperation
 - 3. Cross-cluster complementarities

Cluster 1 will support in particular the following two Horizon Europe key strategic orientations and impact areas associated to them²⁹



KEY STRATEGIC ORIENTATIONS FOR R&I	KSO A: Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains	KSO D: Creating a more resilient, inclusive and democratic European society
IMPACT AREAS	Competitive and secure data-economy High quality digital services for all	A resilient EU prepared for emerging threats Good health and high-quality accessible healthcare
EXPECTED IMPACTS	<ol style="list-style-type: none"> Unlocking the full potential of new tools, technologies and digital solutions for a healthy society Maintaining an innovative, sustainable and globally competitive health-related industry 	<ol style="list-style-type: none"> Staying healthy in a rapidly changing society Living and working in a health-promoting environment Tackling diseases and reducing their burden Ensuring access to innovative, sustainable & high-quality health care

3. Cross-cluster complementarities

Table 2 Overview of Cross Cluster Complementarities

NUMBER AND NAME OF CLUSTER	RELEVANT EXPECTED IMPACT OF THE CLUSTER DESCRIBED LEFT	POSSIBLE COMPLEMENTARITIES
2. CULTURE, CREATIVITY AND INCLUSIVE SOCIETY	<p>9. Social and economic resilience and sustainability are strengthened through a better understanding of the social, ethical, political and economic impacts of drivers of change (such as technology, globalisation, demographics, mobility and migration) and their interplay.</p> <p>10. Inclusive growth is boosted and vulnerabilities are reduced effectively through evidence-based policies for protecting and enhancing employment, education, social fairness and tackling inequalities, including in response to the socio-economic challenges due to the COVID-19 pandemic.</p>	<p>Expected impact 1 'Staying healthy in a rapidly changing society': Synergies on health inequalities, on other inequalities affecting health, or on citizens' behaviour and engagement.</p> <p>Expected impact 4 'Ensuring access to innovative, sustainable and high-quality health care': Synergies on health economics and economic models, on cost-effectiveness, fiscal sustainability and accessibility of healthcare, or on adaptation of public health systems to societal challenges (climate change, environmental degradation, migration, demographic change, emerging epidemics and One Health AMR) thereby contributing to building resilience.</p>



Annex

**KEY
STRATEGIC
ORIENTATIO
Ns FOR R&**

**IMPACT
AREAS**

**EXPECTED
IMPACTS**

KSO B: Restoring Europe’s ecosystems and biodiversity, and managing sustainably natural resources

Enhancing ecosystems and biodiversity on land and in waters

Clean and healthy air, water and soil
Sustainable food systems from farm to fork on land and sea

- 27. Reduced emissions and enhanced CSS in ecosystems
- 28. Biodiversity and ecosystems preservation and restoration on land, inland water and at sea
- 30. Food and nutrition security for all from farm to fork
- 31. Sustainable rural, coastal and urban areas

KSO C: Making Europe the first digitally enabled circular, climate-neutral and sustainable economy

Circular and clean economy

- 29. Sustainable and circular management and use of natural resources
- 32. Innovative governance models enabling sustainability and resilience



Horizon Europe: destination structure

Title	<ul style="list-style-type: none">• short and meaningful, communicating the essence of the expected impact and policy direction
Introductory narrative	<ul style="list-style-type: none">• sets the scene, describes briefly the challenges, includes the overall rationale for the choice of the topics
Expected impacts	<ul style="list-style-type: none">• “Proposals for topics under this destination should set out a credible pathway to contributing to [title of the destination], and more specifically [to one or several of/all] the following impacts...”.• list of expected impacts → primary impact of each destination corresponds to one of the expected impacts identified in the relevant Cluster-specific annex of the Strategic Plan
Link to impact areas	<ul style="list-style-type: none">• a final paragraph makes the link with impact areas set out in the draft Strategic Plan
Table	<ul style="list-style-type: none">• a table summarizing the calls in the Destination will be generated by the IT system



Table of contents

Introduction

Destination 1 – Biodiversity and Ecosystem Services

Call - Biodiversity and Ecosystem Services.....

Conditions for the Call.....

Understanding biodiversity decline

HORIZON-CL6-2021-BIODIV-01-01: European participation in global biodiversity endeavours aimed at identifying all biodiversity on Earth

HORIZON-CL6-2021-BIODIV-01-02: Data and technologies for the identification and monitoring of endangered wildlife and other species groups

HORIZON-CL6-2021-BIODIV-01-03: Understanding and valuing coastal biodiversity and ecosystem services

HORIZON-CL6-2021-BIODIV-01-04: Assess and predict integrated impact of direct and indirect stressors on coastal and marine biodiversity, ecosystem services

Valuing and restoring biodiversity and ecosystem services

HORIZON-CL6-2021-BIODIV-01-05: The economics of nature-based solutions: benefit analysis, market development and funding

HORIZON-CL6-2021-BIODIV-01-06: Nature-based solutions, prevention of risks and the insurance sector

HORIZON-CL6-2021-BIODIV-01-07: Ecosystems and their services for a nature-based policy and decision-making

HORIZON-CL6-2021-BIODIV-01-08: Supporting the development of a coherent and resilient Trans-European Nature Network

HORIZON-CL6-2021-BIODIV-01-09: Assessing and consolidating recent advances on freshwater ecosystem restoration

HORIZON-CL6-2021-BIODIV-01-10: Demonstration of measures and management of coastal and marine ecosystems restoration and resilience in simplified socio-ecological systems

HORIZON-CL6-2021-BIODIV-01-11: What else is out there? Exploring the

Horizon Europe - Work Programme 2021-2022
Food, Bioeconomy Natural Resources, Agriculture and Environment

Destination 1 – Biodiversity and Ecosystem Services

The EU Biodiversity Strategy for 2030 is a cornerstone of the European Union's recovery plan for 2021-2026. It will also prepare the EU to take a leading role in the negotiations on a new global framework to halt biodiversity loss. With the 'no harm' vision, all EU policies will become more biodiversity-friendly, supporting the sustainable use of ecosystems, supporting the recovery in a post-pandemic world. The vision is fully supported in the Strategic Plan of Horizon Europe for 2021-2026, with a strategic orientation 'Protecting and restoring ecosystems and bioresources'. Consequently, Destination 1 'Biodiversity and Ecosystem Services' achieves the following expected impact from Cluster 6 'Biodiversity recovery, and ecosystems and their services are preserved and restored on land, inland water and at sea through improved knowledge and funded under this destination must therefore contribute to deliver this

Research and innovation is key to delivering important impacts in food-health-water-climate and to achieving the goal of healthy and resilient societies by 2030. It will also enable transformational change engaging Europe and their global impacts, making decisions more biodiversity-friendly, develop nature-based solutions and holistic approaches to address causes of biodiversity loss, particularly in connection to productive sectors to be integrated in ecosystem-based management. Investments will protect and restore the integrity of terrestrial, aquatic and marine ecosystems, and their capacity to deliver a wide range of ecosystem services. Horizon Europe, a long-term strategic research agenda for biodiversity recovery.

The sixth mass extinction is taking place: one million species are at risk of degradation of ecosystems severely affects the fabric of life that we know as humankind. None of the globally agreed targets of the Strategic Plan for Biodiversity 2020 has been fully achieved¹⁰, with the biodiversity crisis even deepening. Understanding the status, pressures, impacts and responses needs to be developed. Main drivers through data-driven science, integrated tools, models and scenarios, will support Europe's

¹⁰ 380 EU Biodiversity Strategy for 2030: Bringing nature back into the heart of our lives. Nature-based solutions are "inspired and supported by nature, which are environmentally, social and economic benefits and help build resilience. They use and mimic natural processes and features and processes into city planning, infrastructure, agriculture, forestry and fisheries, health and well-being, education, and recreation. They are locally adapted, resource-efficient and systemic interventions. They protect biodiversity and support the delivery of a range of ecosystem services." (European Commission, 2019). Summary for policy-makers. European Commission's 5th Global Biodiversity Outlook (2020).

Horizon Europe - Work Programme 2021-2022
Food, Bioeconomy Natural Resources, Agriculture and Environment

Biological Diversity. All topics will directly contribute to the EU Biodiversity Strategy for 2030 and to the Sustainable Development Goals (SDGs) 13, 14, 15, 17.

Several Missions will also help to achieving biodiversity-related impacts, notably in the areas of "Adaptation to climate change including societal transformation", "Climate-neutral and smart cities", "Ocean, seas and waters" and "Soil health and food".

Expected impact

Proposals for topics under this Destination should set out a credible pathway contributing to Biodiversity and Ecosystem Services, and more specifically to one or several of the following impacts:

- **Biodiversity decline, its main direct drivers and their interrelations are better understood and addressed** through the production, integration and use of open data, knowledge, education and training, innovative technologies, solutions and control measures, in collaboration with European and international initiatives.
- **Biodiversity and natural capital are integrated into public and business decision-making at all levels for the protection and restoration of ecosystems and their services**; science base is provided for planning and increasing protected areas, and sustainably managing ecosystems.
- **Europe builds competitive sustainability and tackles climate change and natural disasters through the deployment of nature-based solutions**, fully reaping their economic, social and environmental benefits for a green recovery across all European regions.
- **The interrelations between biodiversity, health, food, soil, water and climate are better known** and communicated to citizens and policy-makers; in particular, risks associated with microbiomes and biodiversity-friendly prevention/mitigation measures, and opportunities for biodiversity recovery are identified.
- **Practices in agriculture and forestry support biodiversity and the provision of other ecosystem services** based on a) a better understanding of functional biodiversity (above and below ground), b) effective knowledge and innovation systems and c) ready-to-use solutions for land managers, adapted to specific conditions.
- **Access to a wider range of crops and breeds with a broadened genetic base is improved in line with global biodiversity commitments** through increased insight into the characteristics of genetic resources and enhancing capacities for their preservation and use in breeding and in primary production (farming, forestry, fisheries, aquaculture). More (bio)diverse, resilient production systems will have positive knock-on effects on value chains, consumption, healthy diets and the wider, non-managed biodiversity.
- **Approaches for enabling transformative changes in society** for biodiversity and ecosystems recovery are identified, tested and implemented in policy, governance, law

Horizon Europe - Work Programme 2021-2022
Food, Bioeconomy Natural Resources, Agriculture and Environment

and society; all indirect drivers of biodiversity loss are addressed and 'do not harm' biodiversity policies are mainstreamed across sectors.

Research is interconnected across Europe, supporting and enhancing the integration of national, EU and international environmental policies and conventions.

Actions under this destination will have impacts in the following areas: "Climate change mitigation and adaptation"; "Clean and healthy air, water and soil"; "Sustainable food systems and rural development"; "A resilient EU prepared for emerging threats"

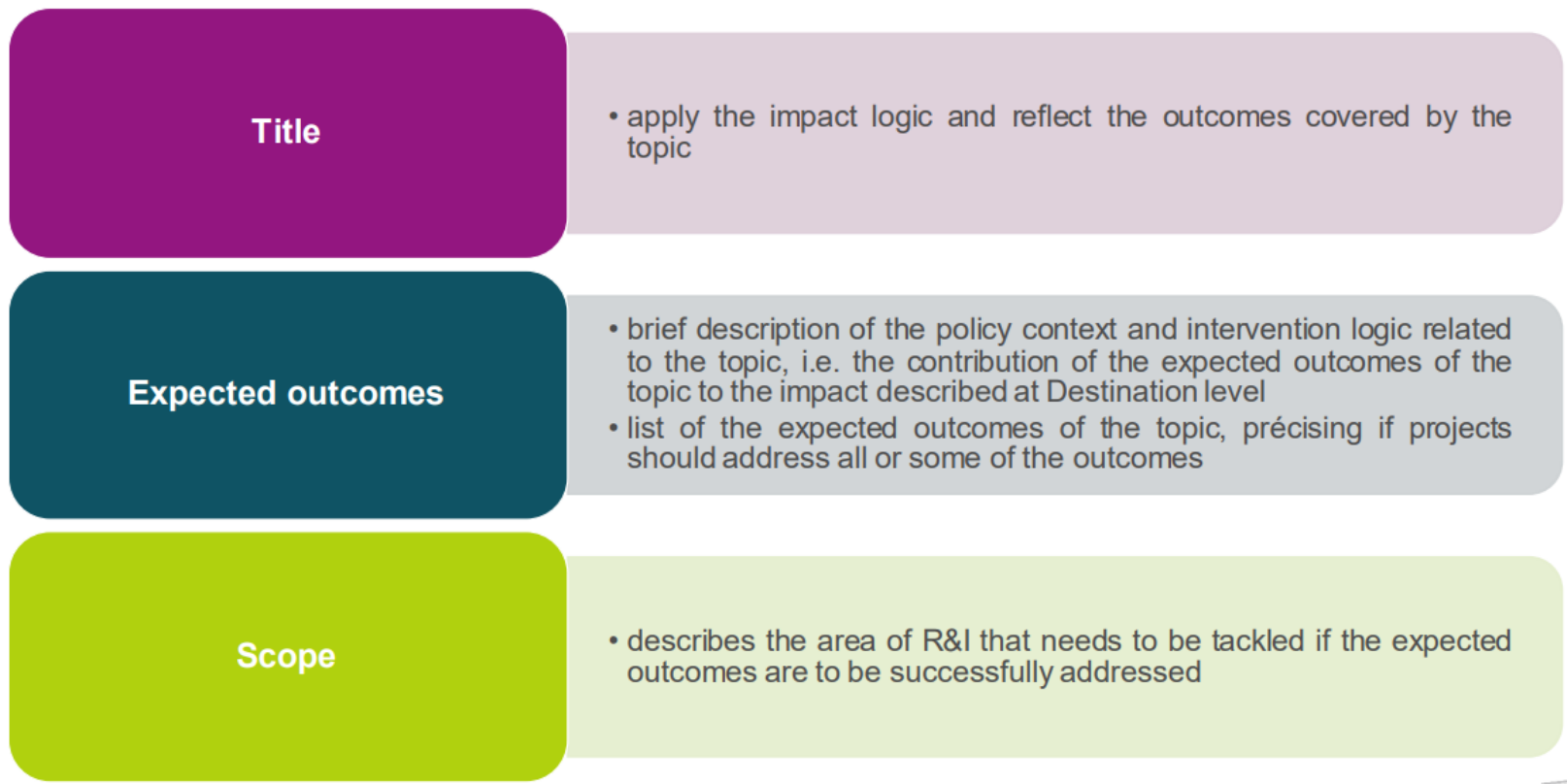
All(s) in this work programme contribute to this destination:

	Budgets (EUR million)		Deadline(s)
	2021	2022	
-2021-	218.50	20.00	01 Sep 2021
-2022-		90.00	15 Feb 2022
-2022-stage		46.00	15 Feb 2022 (First Stage) 01 Sep 2022 (Second Stage)
Overall budget	218.50	156.00	

WP CLX (Structure)

- Introduction
- DestinationX
 - Intro, expected impact
 - Call 2021
 - Call 2022
 - Call 2022 – two stage (dove specificato)

Horizon Europe: topic structure



HORIZON-CL6-2023-FARM2FORK-01-14: Providing marketing solutions to prevent and reduce the food waste related to marketing standards

Specific conditions	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 5.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 10.00 million.
<i>Type of Action</i>	Research and Innovation Actions
<i>Eligibility conditions</i>	The conditions are described in General Annex B. The following exceptions apply: The following additional eligibility criteria apply: the proposals must apply the multi-actor approach. See definition of the multi-actor approach in the introduction to this work programme part.
<i>Legal and financial set-up of the Grant Agreements</i>	The rules are described in General Annex G. The following exceptions apply: Eligible costs will take the form of a lump sum as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). ¹⁶⁸ .

Expected Outcome: In line with the European Green Deal priorities, the farm to fork strategy for a fair, healthy and environmentally friendly food system, and the EU's climate ambition for 2030 and 2050, and the Commission communication "Safeguarding food security and reinforcing the resilience of food systems", the successful proposals will support R&I to prevent and reduce food losses and waste¹⁶⁹. They should therefore contribute to the transformation of food systems to deliver co-benefits for climate (mitigation and adaptation),

¹⁶⁸ This [decision](https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance-to-decision-hr-en.pdf) is available on the Funding and Tenders Portal, in the reference documents section for Horizon Europe, under 'Simplified costs decisions' or through this link: <https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/guidance-to-decision-hr-en.pdf>

¹⁶⁹ Definition of food waste included in the [Waste Framework Directive](#): *Food waste means all food as defined in Article 2 of Regulation (EC) No 178/2002 of the European Parliament and of the Council*

biodiversity, environmental sustainability and circularity, sustainable food consumption, food poverty reduction and empowerment of communities, and thriving businesses.

Projects results are expected to contribute to all the following outcomes:

- Better understanding of the impact of food marketing standards on the generation of food waste along the supply chain¹⁷⁰, including the food waste generated between stages of the supply chain, and for various commodities.
- Improved market access to foods that do not meet marketing standards but are still safe to eat.
- Better understanding of the purpose and nature of private marketing standards and the underlying reasons for establishing such standards.

Contribution to the Food 2030 priorities: nutrition for sustainable healthy diets, climate, biodiversity and environment, circularity and resource efficiency, innovation and empowering communities.

Scope: Food marketing standards are standards individuals and businesses comply with to be able to put food on the market or to sell to a particular buyer. These standards include or may include requirements about technical definitions, classification, presentation, marking and labelling, packaging, production method, conservation, storage, transport related administrative documents, certifications and time limits, restriction of use and disposal, ...

As these standards focus on quality, they are different from food safety standards (foods that do not comply with marketing standards can still be safe to eat).

The marketing standards applied to food marketed in the EU exist in different forms:

- International standards¹⁷¹.
- EU marketing standards, contained in the Common Market Regulation, the CMO secondary legislation and the "Breakfast Regulation".
- National marketing standards set up by governments of Member States.
- Private marketing standards.

Proposals should address all the following points:

¹⁷⁰ The Commission Delegated Decision (EU) 2019/1597 establishing a measure food waste outlines the following stages of the food supply chain: production and manufacturing; retail and other distribution of food; rest

Topic

- Conditions related to the topic
- Expected outcomes
- Scope



THE EIGHT HORIZONTAL TOPICS



- Relevant to all programme components
- Identified in Strategic Plan
- Should be addressed appropriately



An integrated approach

Cross Cutting key specific Issues



<p>Social Science & Humanities (SSH)</p>	<ul style="list-style-type: none"> • Integration of SSH in all clusters • Key component of R&I • Specific topics flagged • Assessment of Societal Impact (when necessary)
<p>Dissemination & Exploitation (D&E)</p>	<ul style="list-style-type: none"> • Enhance R&I results dissemination, use, value increase • Integrate results into EU higher education & training • New tools: Results Platform, IP Booster, Synergies • Design of project to “beyond its end” • Uptake of assets, private investment, IP management
<p>Key Enabling Technologies (KET)</p>	<ul style="list-style-type: none"> • Advanced Manufacturing // Advanced Materials // Life-science tech // micro-nano electronics & photonics // AI // Security & connectivity • Across Clusters & Pillars
<p>Social Innovation (SI)</p>	<ul style="list-style-type: none"> • Advances in science & Tech / creative use of existing tech • Combine new tech capabilities w/ organisational, social practices • HE supports SI across all 4 strategic Orientations



Publicazioni / scadenze CLUSTER WP23-24

- 🏠 Pubblicazione WP 2024: Autunno 2023
- 🏠 Scadenze call: diverse date, da febbraio 2024 eccetto Cluster 1
- 🏠 Call 2024: single + two-stage

https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/horizon-europe-work-programmes_en

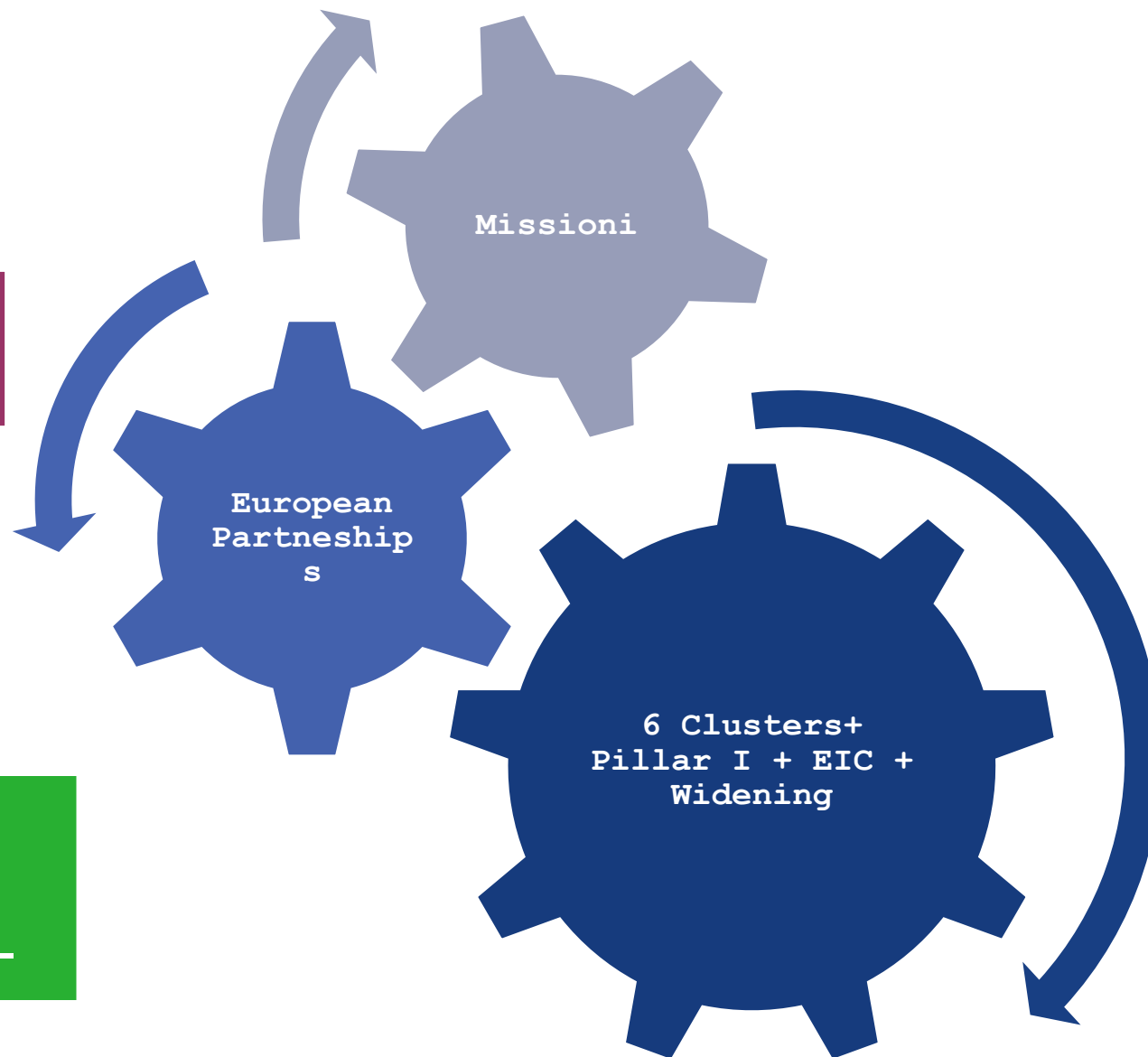


I WP 2023-24

12 WP 23-24
(Pillar I, II, III +

1 WP 2023 (+
2024),

I Topics 2023-24
lanciati dalle EP
(Istituzionalizzate e co-





- + 2021-2022
- 2023-2024
 - HE and Euratom Work Programme on Horizontal Expenditure 2023-2024 >
 - 1. General introduction >
 - 2. Marie Skłodowska-Curie Actions >
 - 3. Research Infrastructures >
 - 4. Health >
 - 5. Culture, creativity and inclusive society >
 - 6. Civil Security for Society >
 - 7. Digital, Industry and Space >
 - 8. Climate, Energy and Mobility >
 - 9. Food, Bioeconomy, Natural Resources, Agriculture and Environment >
 - 10. European Innovation Ecosystems (EIE) >
 - 11. Widening participation and strengthening the European Research Area >
 - 12. Missions >
 - 13. General Annexes >
- + EIC Work Programme 2023
- + ERC Work Programme 2023
- + Grant agreements and contracts
- + Simplified cost decisions
- + Guidance
- + Templates & forms



Grant and Audit Management Services may not be accessible due to the issues experienced by the European Commission Authentication Service (EU Login).
The Expert Registration, Legal Entity, Bank Account, Contracts and Payment functionalities in the Experts Area of the F&T Portal may be unavailable due to the issues experienced by the European Commission Authentication Service (EU Login).

Type your Keywords...

Match whole words only

GRANTS TENDERS

Submission status

Forthcoming (388) Open for submission (412) Closed (1124)

Programming period

2021 - 2027 (1924)

Horizon Europe (HORIZON)

Programme part

Mission

Funding and tenders (1924)

Need help? RSS Sort by: Submission status

ERC PROOF OF CONCEPT GRANTS

ERC-2023-POC		<input type="button" value="Call for proposal"/> <input type="button" value="Grant"/>	
Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON ERC Proof of Concept Grants	Deadline model	multiple cut-off
Opening date	20 October 2022	Next deadline	24 January 2023 17:00:00 Brussels time

ERC CONSOLIDATOR GRANTS

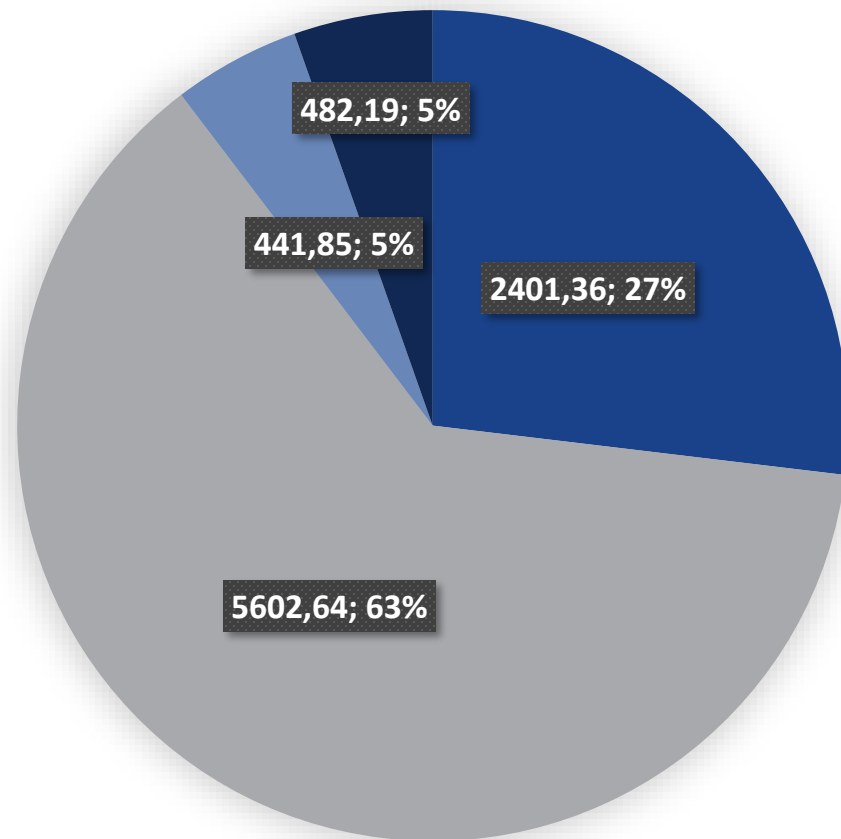
ERC-2023-COG		<input type="button" value="Call for proposal"/> <input type="button" value="Grant"/>	
Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON ERC Grants	Deadline model	single-stage
Opening date	28 September 2022	Deadline date	02 February 2023 17:00:00 Brussels time

Support to the activities of technology areas of the SET Plan: Action dedicated to energy efficiency in industry

HORIZON-CL5-2022-D4-02-06		<input type="button" value="Call for proposal"/> <input type="button" value="Grant"/>	
Programme	Horizon Europe (HORIZON)	Status	Open for submission
Type of action	HORIZON Coordination and Support Actions	Deadline model	single-stage
Opening date	06 September 2022	Deadline date	24 January 2023 17:00:00 Brussels time



BUDGET COMPLESSIVO 2023 (mln €)

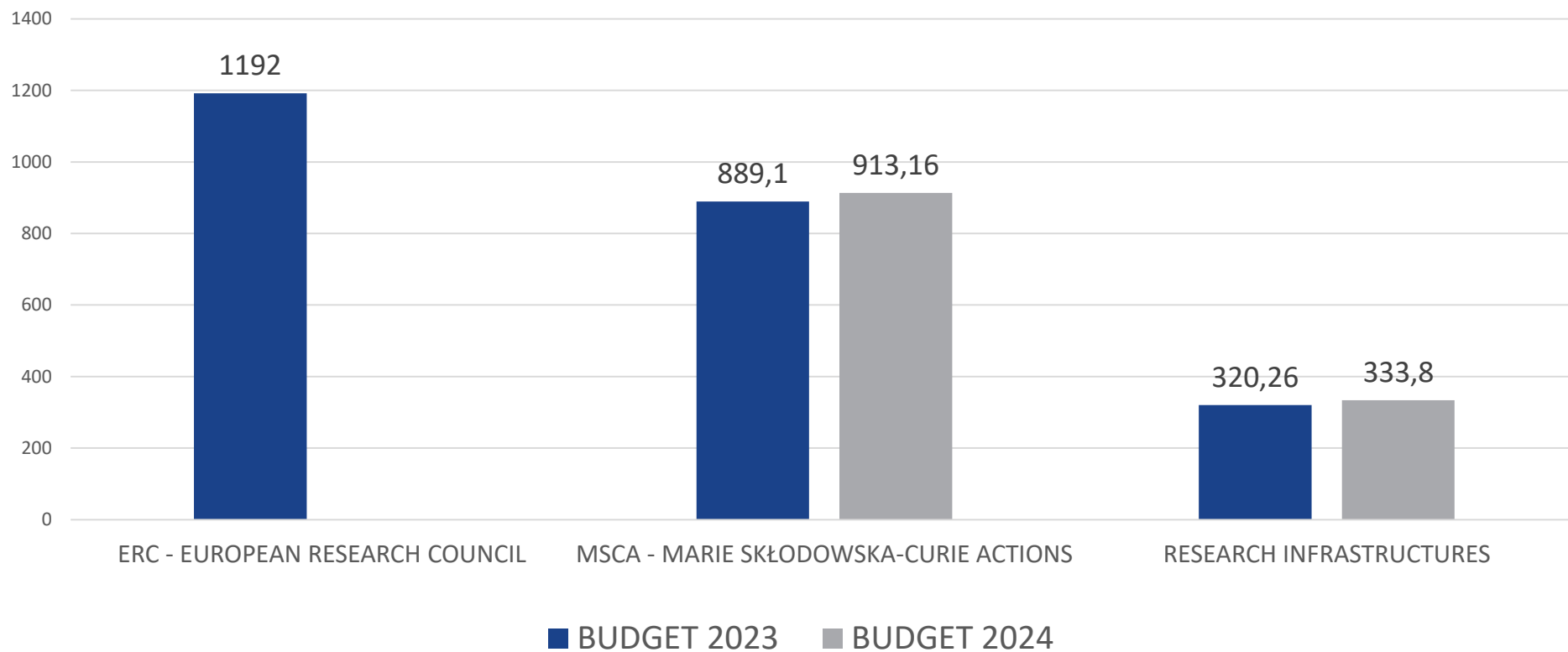


- PILLAR I
- PILLAR II
- WIDERA
- MISSION

TOTALE 8.928,04 mln €

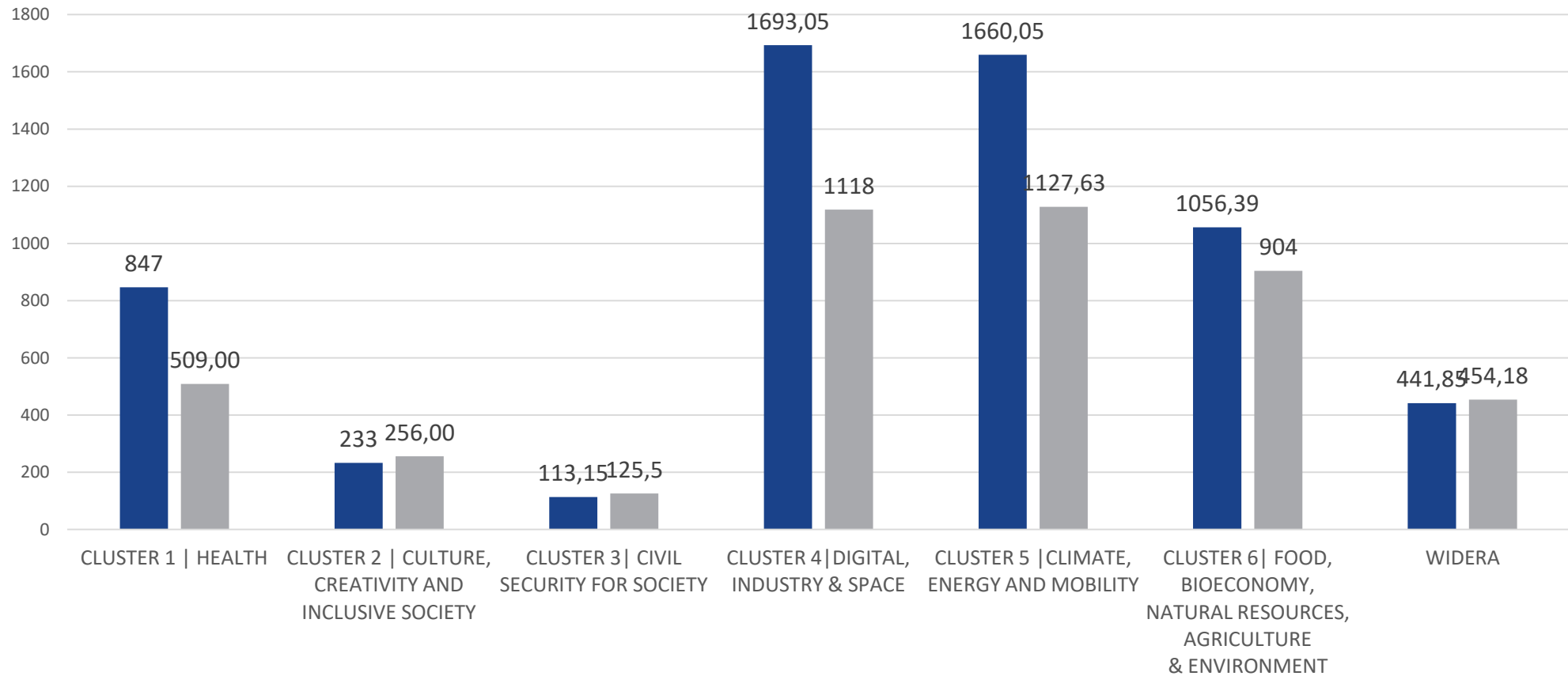


PILLAR I – BUDGET 2023-2024 (mln €)



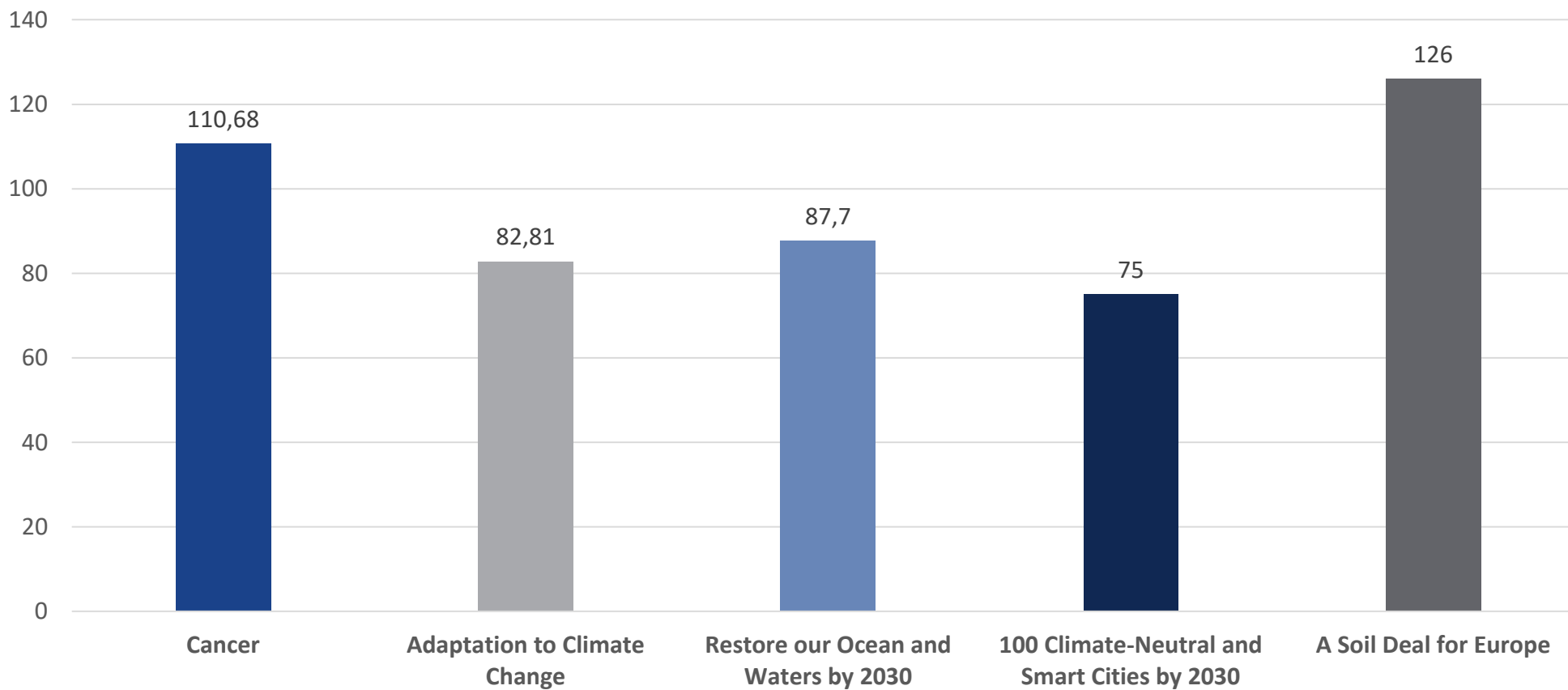


PILLAR II – BUDGET 2023-2024 (mln €)





5 MISSIONS – BUDGET 2023 (mln €)



SCADENZE- PILLARI

Excellent Science	2023		2024	
	CALL	SCADENZE	CALL	SCADENZE
ERC	STARTING	25/10/2022	SI ripetono	
	SYNERGY	08/11/2022		
	CONSOLIDATOR	02/02/2023		
	ADVANCED	23/05/2023		
MSCA	HORIZON-MSCA-2023-DN-01	28/11/2023	HORIZON-MSCA-2024-DN-01	27/11/2024
	HORIZON-MSCA-2023-PF-01	13/09/2023	HORIZON-MSCA-2024-PF-01	11/09/2024
	HORIZON-MSCA-2023-SE-01	28/02/2024	HORIZON-MSCA-2024-SE-01	05/03/2025
	HORIZON-MSCA-2023-COFUND-01	08/02/2024	HORIZON-MSCA-2024-COFUND-01	06/02/2025
	HORIZON-MSCA-2023-CITIZENS-01	25/10/2023		
Research Infrastructures	HORIZON-INFRA-2023-DEV-01	09/03/2023	HORIZON-INFRA-2024-TECH-01	12/03/2024
	HORIZON-INFRA-2023-EOSC-01		HORIZON-INFRA-2024-DEV-01	
	HORIZON-INFRA-2023-SERV-01			



SCADENZE- PILLARI

Global Challenges and European Industrial Competitiveness	2023	2024
CL1 HEALTH	13 APRIL 2023: (SINGLE STAGE) 19 SEPTEMBER 2023*: DEADLINE FOR 1ST STAGE OF 2-STAGE CALLS OF 2024	MID-APRIL 2024
CL2 CULTURE, CREATIVITY AND INCLUSIVE SOCIETY	14 MAR 2023: DEMOCRACY,HERITAGE, TRANSFORMATIONS 2023) :21 SEP 2023: A EUROPEAN COLLABORATIVE CLOUD FOR CULTURAL HERITAGE	07 FEB 2024
CL3 CIVIL SECURITY FOR SOCIETY	23 NOVEMBRE 2023	NA
CL4 DIGITAL, INDUSTRY AND SPACE*	7 MAR 2023: DEADLINE FOR FIRST STAGE; 29 MARCH 2023: DEADLINE FOR SINGLE STAGE (D3-4-5-6); 20 APR 2023 DEADLINE FOR SINGLE STAGE (D1-2)	7.02.2024 FIRST STAGE – 24.09.2024 SECOND STAGE
CL5 CLIMATE, ENERGY AND MOBILITY*	D1 - 18 APR 2023 D2-01 - 20 APR 2023 D2-02 - 05 SEP 2023 D3-01 - 05 SEP 2023 D3-02 - 05 SEP 2023 D3-03 - 10 OCT 2023 D4-01 - 20 APR 2023 D4-02 - 05 SEP 2023 D5 - 20 APR 2023 D6 - 05 SEP 2023	D1 06 Feb 2024 D2 18 Apr 2024 - 05 Sep 2024 D3 30 Jan 2024 - 05 Sep 2024 D4 18 Apr 2024 - 05 Sep 2024 D5 18 Apr 2024 D6 05 Sep 2024
CL6 FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT	23 e 28 Marzo e 12 Aprile	22 / 28 Febbraio 2024



SCADENZE- WIDERA

Widening participation and strengthening the European Research Area	2023	2024
WIDERA	HORIZON-WIDERA-2023-ACCESS-01: 12 Apr 2023 (First Stage) -07 Mar 2024 (Second Stage) HORIZON-WIDERA-2023-ACCESS-02: 28 Sep 2023 HORIZON-WIDERA-2023-ACCESS-03: 12 Apr 2023 HORIZON-WIDERA-2023-ACCESS-04: 28 Sep 2023 HORIZON-WIDERA-2023-ACCESS-05: 28 Sep 2023 HORIZON-WIDERA-2023-ACCESS-06: 28 Sep 2023; 26 Sep 2024 HORIZON-WIDERA-2023-ACCESS-07: 07 Mar 2024 HORIZON-WIDERA-2023-ERA-01: 28 Mar 2023	HORIZON-WIDERA-2023-TALENTS-01: 07 Mar 2024 HORIZON-WIDERA-2023-TALENTS-02: 13 Sep 2023 HORIZON-WIDERA-2024-TALENTS-02: 11 Sep 2024 HORIZON-WIDERA-2024-TALENTS-03: 26 Sep 2024 HORIZON-WIDERA-2024-ERA-01: 12 Mar 2024



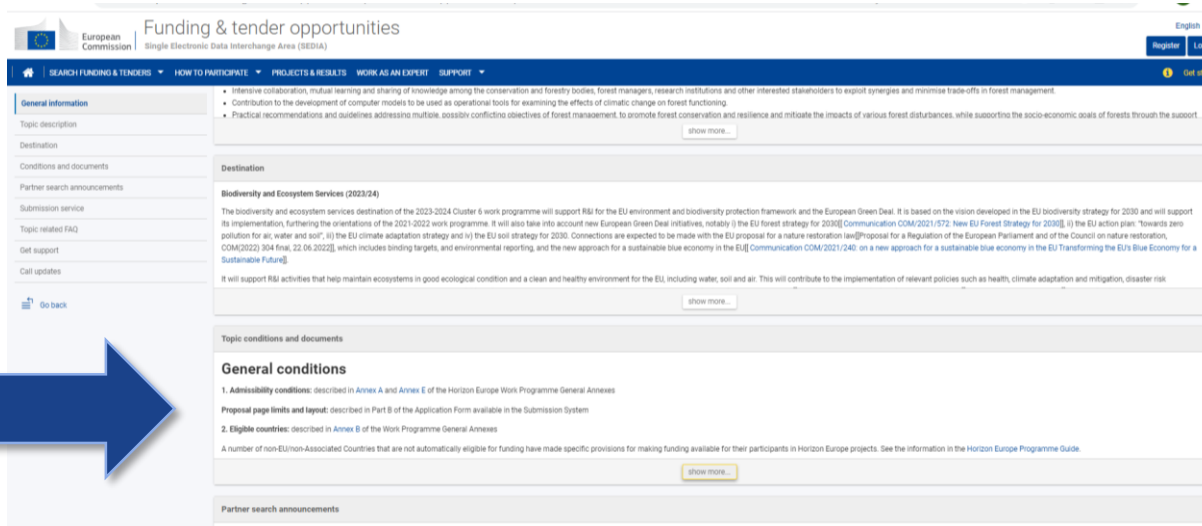


ELEMENTI DI NOVITÀ E CARATTERIZZANTI DEI WORK PROGRAMME 2023 (Focus Pillar II)

Molte degli elementi sono riportate nella tabella delle specific conditions di ogni topic, WP PDF, e nel F&T portal sulla pagina di dettaglio del topic specifico

HORIZON-CL6-2023-BIODIV-01-15: Integrative forest management for multiple ecosystem services and enhanced biodiversity

Specific conditions	
<i>Expected EU contribution per project</i>	The Commission estimates that an EU contribution of around EUR 7.00 million would allow these outcomes to be addressed appropriately. Nonetheless, this does not preclude submission and selection of a proposal requesting different amounts.
<i>Indicative budget</i>	The total indicative budget for the topic is EUR 7.00 million.
<i>Type of Action</i>	Coordination and Support Actions
<i>Eligibility conditions</i>	The conditions are described in General Annex B. The following exceptions apply: Legal entities established in <u>non-associated third countries</u> may exceptionally participate in this Coordination and support action in a capacity other than as an associated partner. The following additional eligibility criteria apply: the proposals must apply the <u>multi-actor approach</u> . See definition of the multi-actor approach in the introduction to this work programme part.
	The <u>Joint Research Centre (JRC)</u> may participate as member of the consortium selected for funding.
<i>Legal and financial set-up of the Grant Agreements</i>	The rules are described in General Annex G. The following exceptions apply: Eligible costs will take the form of a <u>lump sum</u> as defined in the Decision of 7 July 2021 authorising the use of lump sum contributions under the Horizon Europe Programme – the Framework Programme for Research and Innovation (2021-2027) – and in actions under the Research and Training Programme of the European Atomic Energy Community (2021-2025). ⁹⁰



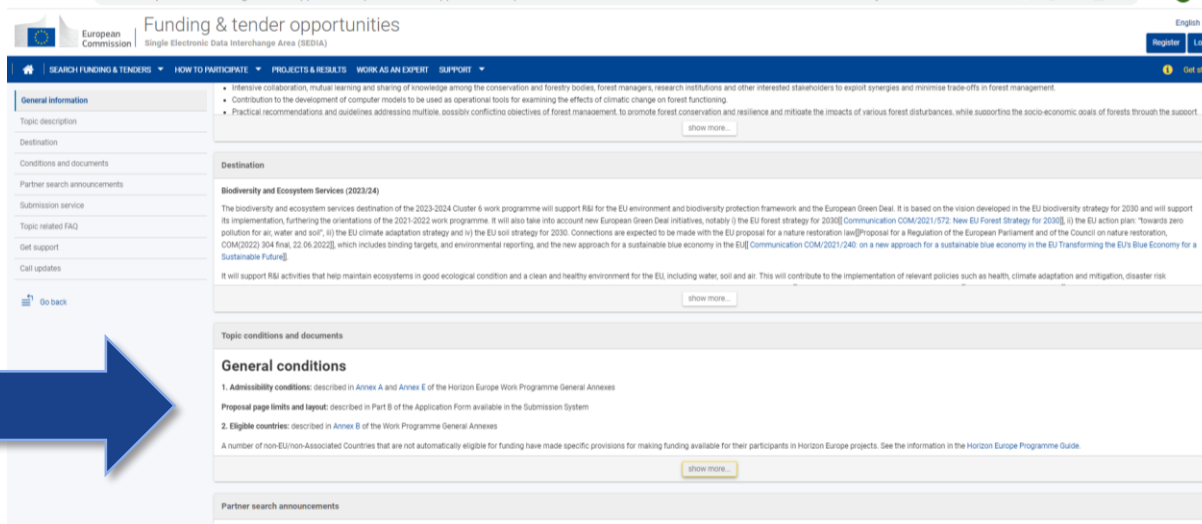


ELEMENTI DI NOVITÀ E CARATTERIZZANTI DEI WORK PROGRAMME 2023- 2024 (Focus Pillar II)

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ELEMENTI PREVALENTI

Il metodo Lump
sum

JRC - Joint
Research Center

Blind evaluation
(First stage)

IA Partnership
co-programmate
(Cluster 4-5)

Financial
support to third
parties FSTP o
cascading grants

Topics collegati
al new Eu
Bauhaus
(Pillar II)

Eligibility for
third country in
CSA

Art 22.5 -
Limiti alla
Partecipazione
AC e Third
Countries

Eligibility for
International
organisations with
headquarters in a
Member State or
associated country



LUMP SUM

☞ L'utilizzo del lump sum ha come obiettivo la **riduzione degli errori amministrativi e finanziari nella gestione dei progetti** attraverso una notevole semplificazione dei processi. Elimina infatti la necessità di rendicontare i costi reali e eventuali controlli finanziari ex post. L'importo globale è determinato ex ante, a copertura di tutti i costi sostenuti per implementare il progetto ed erogato al completamento delle attività.

☞ **Il contributo sotto forma di lump sum** si caratterizza perché:

- viene definito in anticipo attraverso un dettagliato budget iniziale;
- viene fissato nel Grant Agreement;
- viene erogato solo al completamento delle attività come definite nei work packages del progetto (alla fine dei periodi di reporting)
- Guida della Commissione Europea [LINK](#)
- Contatti APRE: lef@apre.it



TWO STAGES – BLIND EVALUATION



Blind evaluation (in 1st stage)

Cosa significa: Nel caso della procedura di presentazione della proposta in due fasi, **le proposte possono essere valutate nella prima fase senza che i proponenti rivelino la propria identità** (es. nomi di organizzazioni, acronimi, loghi, nomi del personale) nella Parte B della proposta – è questa l’iniziativa di **blind evaluation** introdotta in Horizon Europe.

- There is no evidence that the current proposal evaluation system is systematically biased.
- There are understandable concerns that evaluation experts may be swayed – perhaps unconsciously – in favour of proposals from well-known organisations in countries with better performing R&I systems.
- ‘Blind’ evaluation is a way to remove any real or perceived effect of such reputational bias.
- Experts evaluate without knowing the identity of participants.
- The work programme will include an additional admissibility criterion: applicants can not be disclosed in the narrative part of the proposal.



FINANCIAL SUPPORT FOR THIRD PARTIES (FSTP)

- Il meccanismo prevede che, per alcuni progetti, il consorzio beneficiario sia incaricato di distribuire finanziamenti a soggetti terzi attraverso delle cosiddette **open calls**. In alcuni casi, le call sono indirizzate specificamente a PMI e start-up per finanziare attività specifiche come studi, sperimentazioni o azioni pilota, con un importo che può variare da 50.000 a 150.000 €, anche nella forma di *voucher* per attività di supporto o premi.
- <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/competitive-calls>



JRC – JOINT RESEARCH CENTER

🔗 *JRC Mission: As the science and knowledge service of the Commission our mission is to support EU policies with independent evidence throughout the whole policy cycle.*



Policy neutral: has no policy agenda of its own

More than **50** large scale research facilities
More than **110** online databases
15 Knowledge & Competence Centres

About **2 800** staff, nearly **70 %** of whom are **scientific/technical staff**

83 % of core research staff with PhDs

Over **1 100** scientific publications per year

JRC – Knowledge Centres





JRC IN HE – *GENERAL ANNEX*

- Where provided for in the specific call conditions, applicants may include in their proposals the possible contribution of the JRC but the JRC will not participate in the preparation and submission of the proposal.
- Applicants will indicate the contribution that the JRC could bring to the project based on the scope of the topic text
- After the evaluation process, the JRC and the consortium selected for funding may come to an agreement on the specific terms of the participation of the JRC.
- If an agreement is found, the JRC would accede to the grant agreement as beneficiary requesting zero funding and would accede to the consortium as a member



ART. 22, COMMA 5 – Regolamento Horizon Europe

«Per le azioni collegate alle risorse strategiche, agli interessi, all'autonomia o alla sicurezza dell'Unione, il programma di lavoro può prevedere che **LA PARTECIPAZIONE SIA LIMITATA AI SOGGETTI GIURIDICI STABILITI SOLO NEGLI STATI MEMBRI O AI SOGGETTI GIURIDICI STABILITI IN PAESI ASSOCIATI O ALTRI PAESI TERZI SPECIFICATI IN AGGIUNTA AGLI STATI MEMBRI.** Ogni limitazione della partecipazione dei soggetti giuridici stabiliti in paesi associati che sono membri del SEE deve essere conforme ai termini e alle condizioni dell'accordo sullo Spazio economico europeo.

Per motivi debitamente giustificati ed eccezionali, al fine di garantire la tutela degli interessi strategici dell'Unione e dei suoi Stati membri, **il programma di lavoro può anche escludere da singoli inviti a presentare proposte la partecipazione di soggetti giuridici stabiliti nell'Unione o in paesi associati direttamente o indirettamente controllati da paesi terzi non associati o da soggetti giuridici di paesi terzi non associati, o subordinare la loro partecipazione alle condizioni stabilite nel programma di lavoro.**



INNOVATION ACTION PARTNERSHIP

Co-programmated - CLUSTER 4 & 5

The funding rate is 60% of the eligible costs, except for non-profit legal entities where the funding rate is up to 100% of the total eligible costs.

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture,...
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Transforming Health Care Systems	High Performance Computing	Single European Sky ATM	Climate Neutral, Sustainable and Productive Blue Economy
Risk Assessment of Chemicals	European Digital Technology	EU Digital Hub	Water4all "Water security for the planet"
ERA for Health	Artificial Intelligence, Data and Robotics	Cooperative, Connected and Automated Mobility (CCAM)	Animal Health and Welfare*
Rare Diseases*	Photonics	Batteries "Towards a competitive European industrial battery value chain"	Agroecology "Accelerating Farming Systems Transition"
One Health / Antimicrobial Resistance*	Made in Europe	Zero-emission Waterborne Transport	Agriculture of Data*
Personalised Medicine*	Clean Steel - Low Carbon Steelmaking	Zero-emission Road Transport (2ZERO)	Safe and Sustainable Food Systems*
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	People-centric Sustainable Built Environment (Built4People)	
	Globally Competitive Space Systems**	Clean Energy Transition	
		Driving Digital Transitions to a Sustainable Future	

- Institutionalised Partnerships (Art 185/7)
- Co-Programmed
- Co-Funded

* Calls with opening dates in 2023-24
 ** Calls with opening dates not before 2022

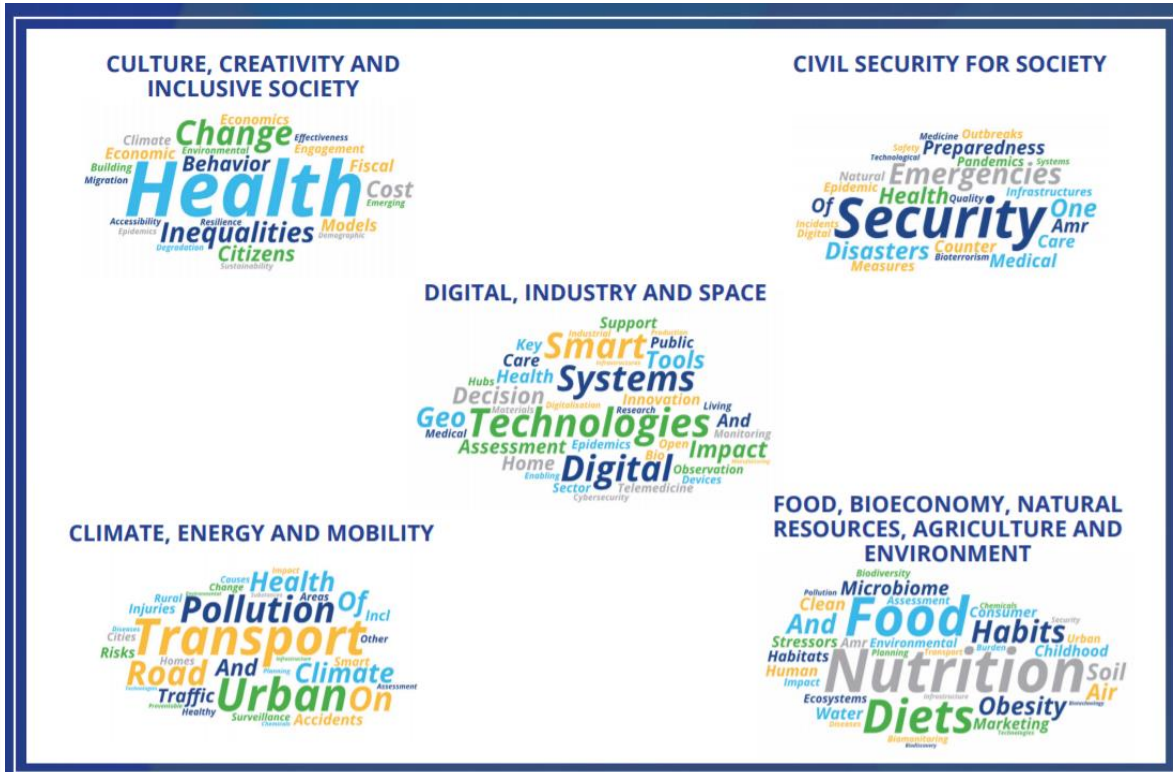




CROSS CLUSTER COMPLEMENTARITIES

CLUSTER 1 - HEALTH

CLUSTER 2 - SOCIETY

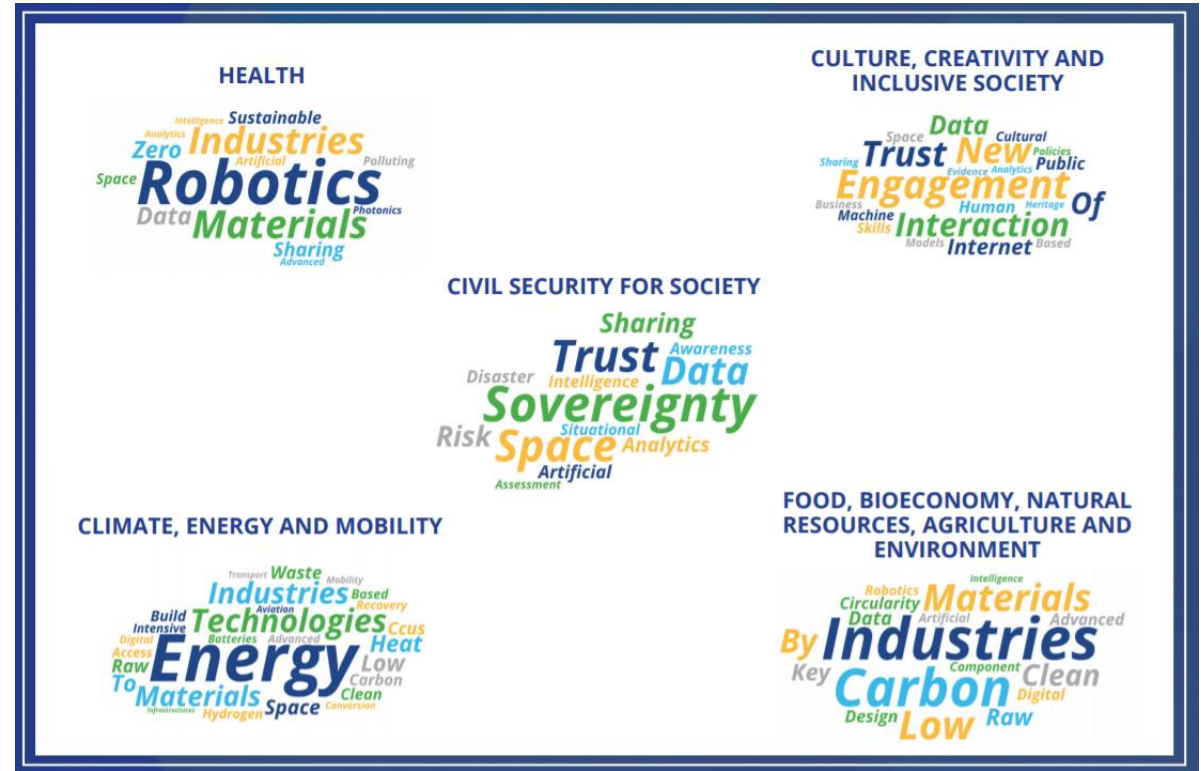
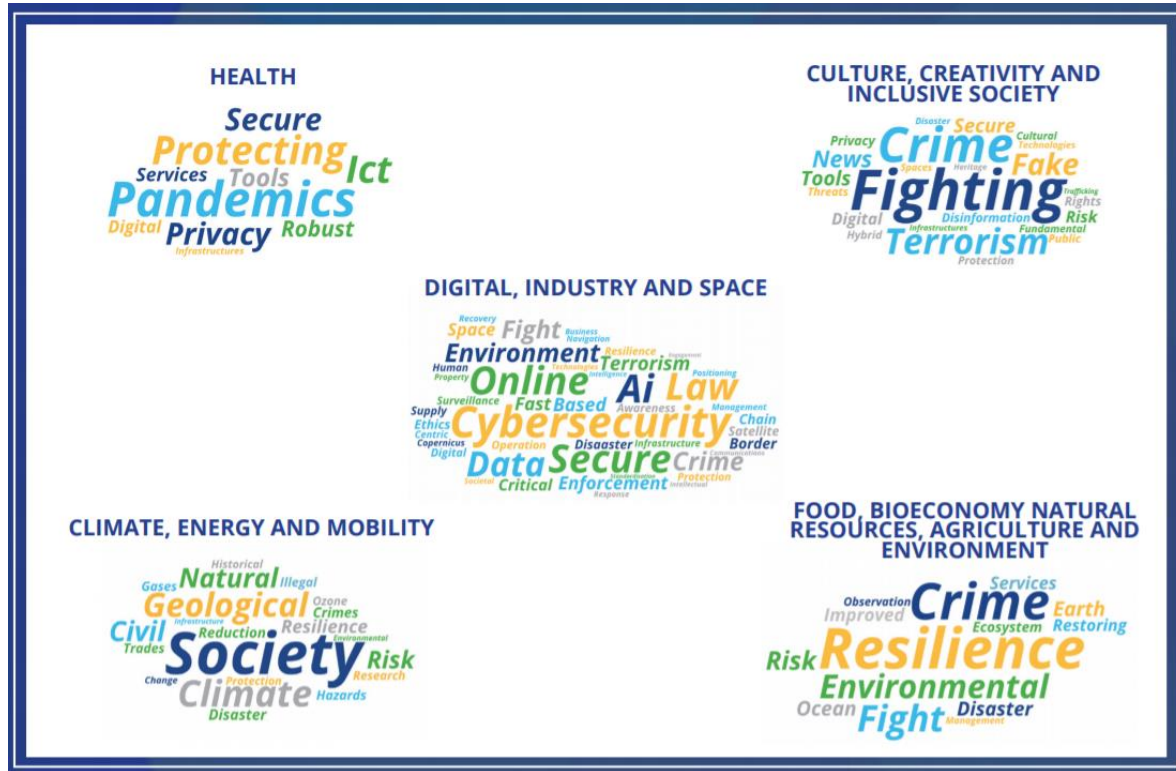




CROSS CLUSTER COMPLEMENTARITIES

CLUSTER 3 - SECURITY

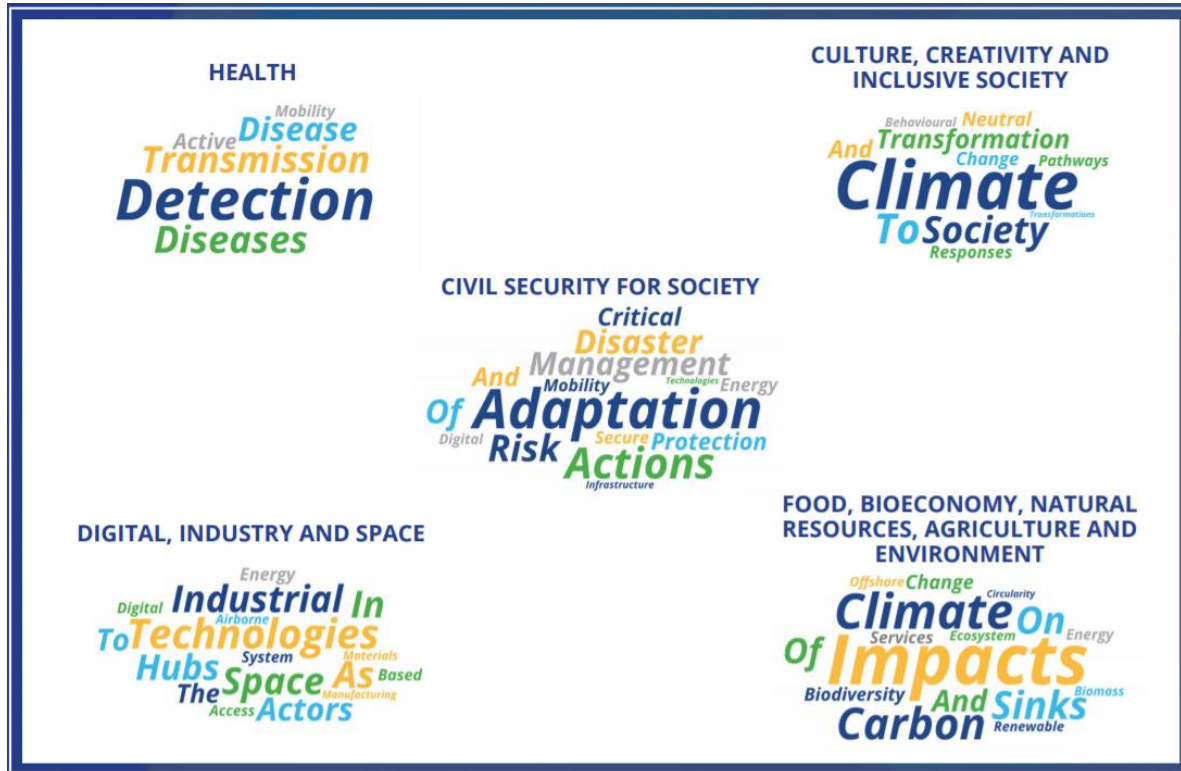
CLUSTER 4 – DIGITAL, INDUSTRY, SPACE



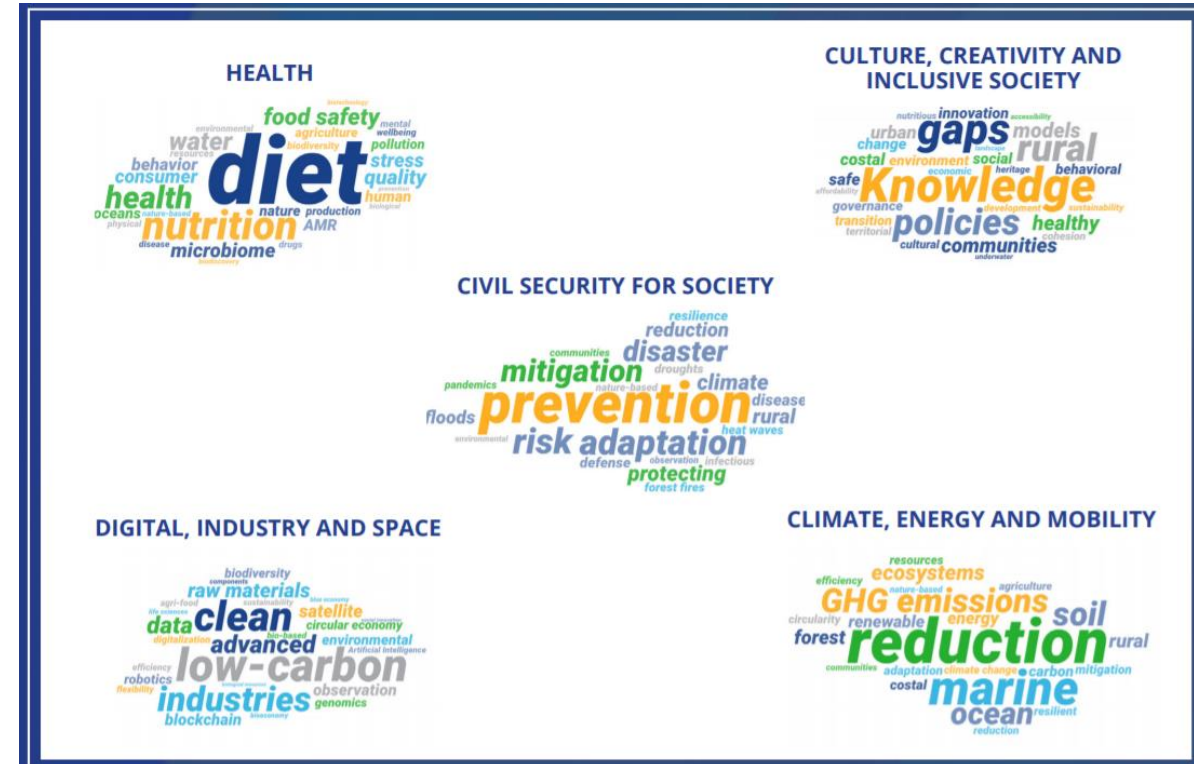


CROSS CLUSTER COMPLEMENTARITIES

CLUSTER 5 – CLIMATE, ENERGY, MOBILITY



CLUSTER 6 – FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE





APRE

Agenzia per la Promozione
della Ricerca Europea

EUROPEAN PARTNERSHIPS



«La sfida della pandemia di coronavirus ha reso più urgenti i nostri sforzi di lunga data per utilizzare meglio la ricerca e l'innovazione al fine di affrontare le emergenze sanitarie, i cambiamenti climatici e la trasformazione digitale. I partenariati europei sono la nostra opportunità di cooperare per rispondere alle profonde trasformazioni economiche e sociali e plasmarle a vantaggio di tutti i cittadini dell'UE».

Mariya Gabriel, commissaria per l'Innovazione, la ricerca, la cultura, l'istruzione e i giovani



COSA SONO?

I partenariati europei sono iniziative in cui l'Unione europea, le autorità nazionali e/o il settore privato si impegnano congiuntamente a sostenere lo sviluppo e l'attuazione di un programma di attività di ricerca e innovazione. I partner possono rappresentare l'industria, le università, le organizzazioni di ricerca, gli organismi con una missione di servizio pubblico a livello locale, regionale, nazionale o internazionale o le organizzazioni della società civile, comprese le fondazioni e le ONG.

**UN PROGRAMMA
NEL PROGRAMMA HE**

INFOGRAFICA

FACTSHEET

SITO

** alcune figure sono prese dal rapporto:
Performance of European Partnerships. Biennial
Monitoring Report 2022 On Partnerships In Horizon
Europe <https://ec.europa.eu/assets/rtd/bmr/2022/>*



SONO UNA NOVITÀ?

- Le partnerships **non sono una novità** di Horizon Europe.
- Le prime sono state introdotte nel 2002 come parte della European Research Area per evitare la frammentazione degli sforzi di ricerca tra enti e paesi.
- La maggior parte dei partenariati si basa su iniziative di lunga data esistenti nell'ambito di Horizon 2020, Settimo programma quadro, e sul lavoro di una o più piattaforme tecnologiche europee.
- La novità in HE è la **razionalizzazione del panorama** del partenariato europeo per migliorarne **l'apertura e la trasparenza** e collegarli alle future priorità politiche dell'UE e alle missioni.
- Con questo nuovo approccio, si vuol porre l'attenzione nel garantire un più forte **impatto** delle stesse e coinvolgere una gamma più ampia di parti interessate in tutta l'UE.



New approach to European Partnerships

New generation of objective-driven and more ambitious partnerships in support of agreed EU policy objectives

Key Features

- **Strategic orientation**
- **Systemic approach**
- **Simple architecture and toolbox**
- **Common set of criteria for the life-cycle**

CO-PROGRAMMED

Basati su protocolli d'intesa / accordi contrattuali; attuati in modo indipendente dai partner e dalla Commissione via Horizon Europe

CO-FUNDED

Basati su un programma congiunto concordato dai partner; impegno dei partner con contributi finanziari e in natura e contributo finanziario da Horizon Europe

INSTITUTIONALISED

Based on long-term dimension
Basati su una visione a lungo termine e sulla necessità di un'elevata integrazione; partenariati basati su Art.185 /187 del TFUE e sul regolamento EIT

49

European Partnerships under the 1st Strategic Plan

€31.4bn

estimated total commitment from partners other than the Union

37.9%

of Horizon Europe Pillar II budget

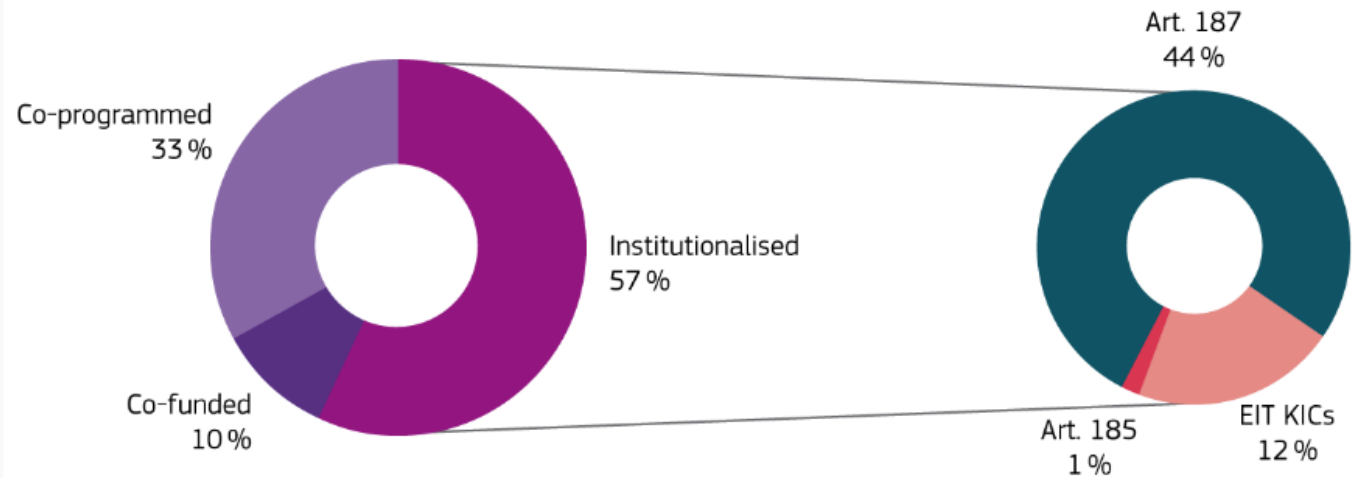
25%

of total Horizon Europe budget

€23.9bn

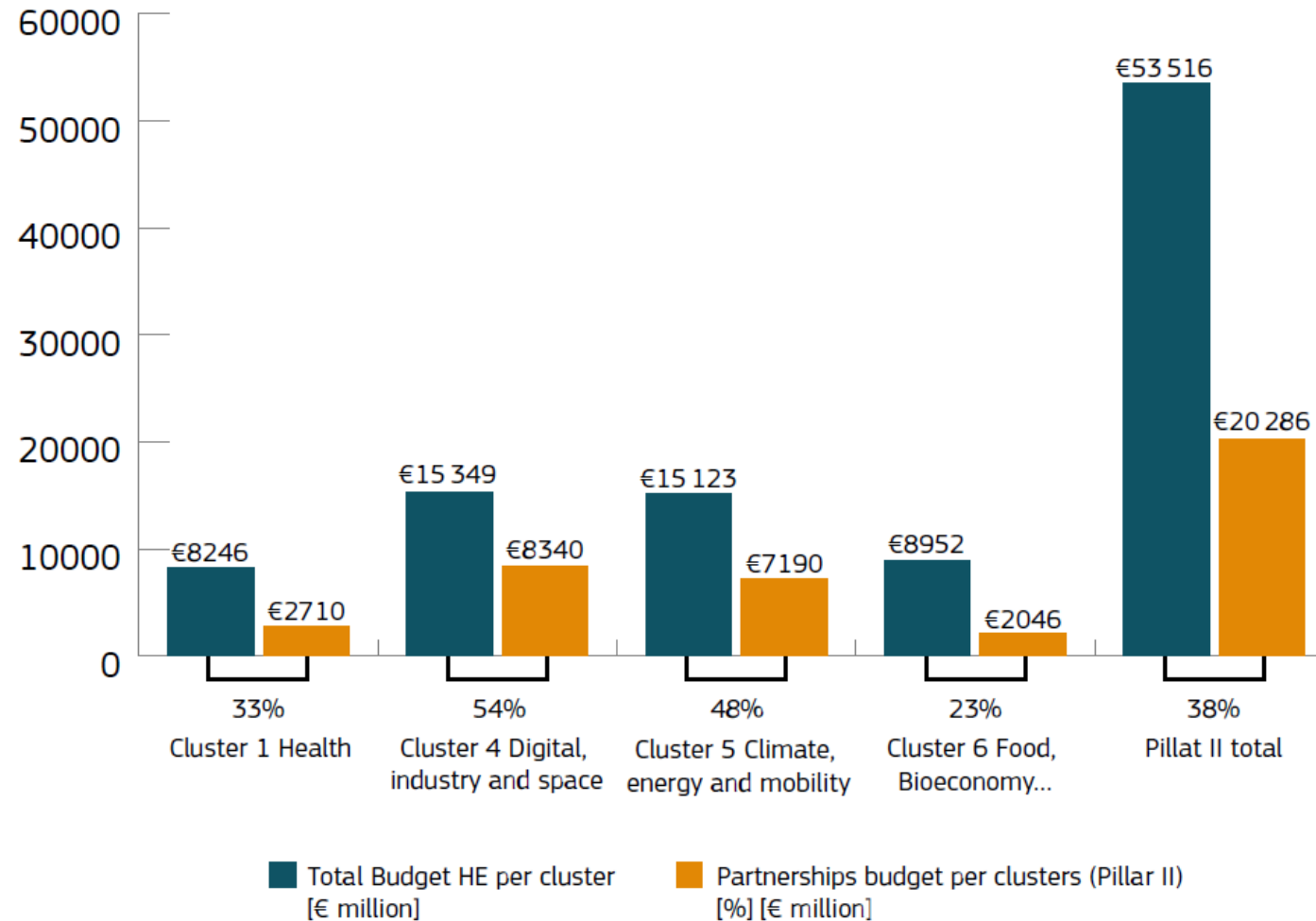
estimated commitment from Horizon Europe

Horizon Europe budget split per type of partnership



Source: European Commission

FIGURE 3. European Partnerships' budgets in Horizon Europe cluster budgets



Overview of 49 European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, ...
Innovative Health Initiative	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Global Health Partnership	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Transformation of health systems	High Performance Computing	Single European Sky ATM Research 3	Climate Neutral, Sustainable & Productive Blue Economy
Chemicals risk assessment	European Metrology (Art. 185)	Europe's Rail	Water4All
ERA for Health	AI-Data-Robotics	Connected and Automated Mobility (CCAM)	Animal Health & Welfare*
Rare diseases*	Photonics	Batteries	Accelerating Farming Systems Transitions*
One-Health Anti Microbial Resistance*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*
Personalised Medicine*	Clean steel – low-carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*
Pandemic Preparedness* <i>Co-funded or co-programmed</i>	Processes4Planet	Built4People	
	Global competitive space systems**	Clean Energy Transition	
		Driving Urban Transitions	

- Institutionalised Partnerships (Art 185/7)
- Institutionalised Partnerships / EIT KICs
- Co-Programmed
- Co-Funded

* Calls with opening dates in 2023-24
 ** Calls with opening dates not before 2022

PILLAR III - Innovative Europe

EIT (KNOWLEDGE & INNOVATION COMMUNITIES)	SUPPORT TO INNOVATION ECOSYSTEMS
InnoEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

CROSS-PILLARS II & III

European Open Science Cloud



EU MISSIONS

MISSIONI

Soil health and food

Cancer



Climate-neutral and smart cities

Healthy oceans, seas, coastal and inland waters

Adaptation to climate change, including societal transformation



Le Mission includono un portafoglio di azioni - progetti di ricerca, misure di policy o iniziative legislative - dirette a raggiungere, entro un arco di tempo prestabilito, un obiettivo audace, misurabile e rilevante per la società



Le Missioni in Horizon Europe

Missioni di R&I

Impatto = maggiore efficacia degli investimenti in R&S nel medio-lungo termine
Visibilità = migliore correlazione tra la R&I europea, la società e le esigenze dei cittadini

Una missione è un portafoglio di azioni **interdisciplinari** volte a conseguire entro un **periodo prestabilito** un **obiettivo audace, stimolante** e misurabile, che abbiano un **impatto sulla società** e sull'elaborazione delle politiche e siano rilevanti per una parte significativa della **popolazione** europea e un ampio spettro di cittadini europei.

Horizon Europe definisce le caratteristiche della missione e gli elementi di *governance*.
Le missioni specifiche saranno **programmate nell'ambito del pilastro II** "Sfide globali e competitività industriale europea" (attingendo ai contributi di altri pilastri)



5 EU Missions

What a EU mission is NOT

Missions are an entirely new approach based on **portfolios of actions** working towards broadly defined goals, not be confused with existing methods and instruments.

Missions are not the same as:

- R&I** Programmes
- R&I **Partnerships**
- Focus Areas** from Horizon 2020
- Single projects or topics
- Horizon Europe **Clusters**

Implementing Missions

Missions may involve:

- Launch **specific calls** in Horizon Europe and other programmes
- Identify specific actions to change/ improve **policy context** critical for missions success
- Make use of the appropriate **partnerships**
- Mobilise **structural funds**
- Establish the appropriate **links with national programmes**
- Combine efforts with **third country**

There is no fixed budget for each mission. Article 7 of the draft HE Regulation stipulates that during the first three years of the programme, a **maximum of 10%** of the **annual budget of Pillar II** shall be programmed through specific calls for implementing the missions.



Adaptation to Climate Change: support at least 150 European regions and communities to become climate resilient by 2030.

The importance of climate adaptation

Climate adaptation is the process of adjustment to actual or expected climate and its effects. The mission will support this process by connecting citizens with science and public policy.

Why this mission area was chosen

A mission in this area will help maximise the impact of the EU's support to research and innovation and demonstrate its relevance for society and citizens.

Its focus will be on solutions and preparedness for the impact of climate change to protect lives and assets. It will include behavioural changes and social aspects by addressing new communities beyond usual stakeholders, which help lead to a societal transformation.





Restore our Ocean and Waters by 2030

Man-made, climate-driven changes are putting our ocean and waters and consequently our societies at a serious risk.

The mission's new, systemic approach will address the ocean and waters as one and play a key role in achieving climate neutrality and restoring nature.

The mission will help achieve the EU objectives of protecting **30% of the EU's sea area** as well as **restoring marine eco-systems** and 25.000 km of **free flowing rivers**, prevent and eliminate pollution by **reducing plastic litter at sea**, nutrient losses and use of chemical pesticides by 50% and make the blue economy climate-neutral and circular with net-zero maritime emissions.





100 Climate-Neutral and Smart Cities by 2030

Cities play a pivotal role in achieving **climate neutrality by 2050**, the goal of the European Green Deal. They take up only 4% of the EU's land area, but they are **home to 75% of EU citizens**. Furthermore, cities consume over 65% of the world's energy and account for more than 70% of global CO2 emissions.

European cities can substantially contribute to the Green Deal target of reducing emissions by 55% by 2030.

Aims of the mission

The Cities Mission will involve local authorities, citizens, businesses, investors as well as regional and national authorities to

- 1 Deliver 100 climate-neutral and smart cities by 2030**
- 2. Ensure that these cities act as experimentation and innovation hubs to enable all European cities to follow suit by 2050**





A Soil Deal for Europe: 100 living labs and lighthouses to lead the transition towards healthy soils by 2030

Soils are the basis of 95% of our food and other essential ecosystem services such as clean water, biodiversity and climate regulation. However, 60-70% of soils in the EU are considered to be “unhealthy”, making us more vulnerable to food insecurity and extreme weather events.

The mission will engage with people and create effective partnerships across sectors and territories to protect and restore soils in Europe and beyond.

The mission aims at **leading the transition towards healthy soils** by

- funding an ambitious research and innovation programme with a strong social science component
- putting in place an effective network of **100 living laboratories and lighthouses** to co-create knowledge, test solutions and demonstrate their value in real-life conditions



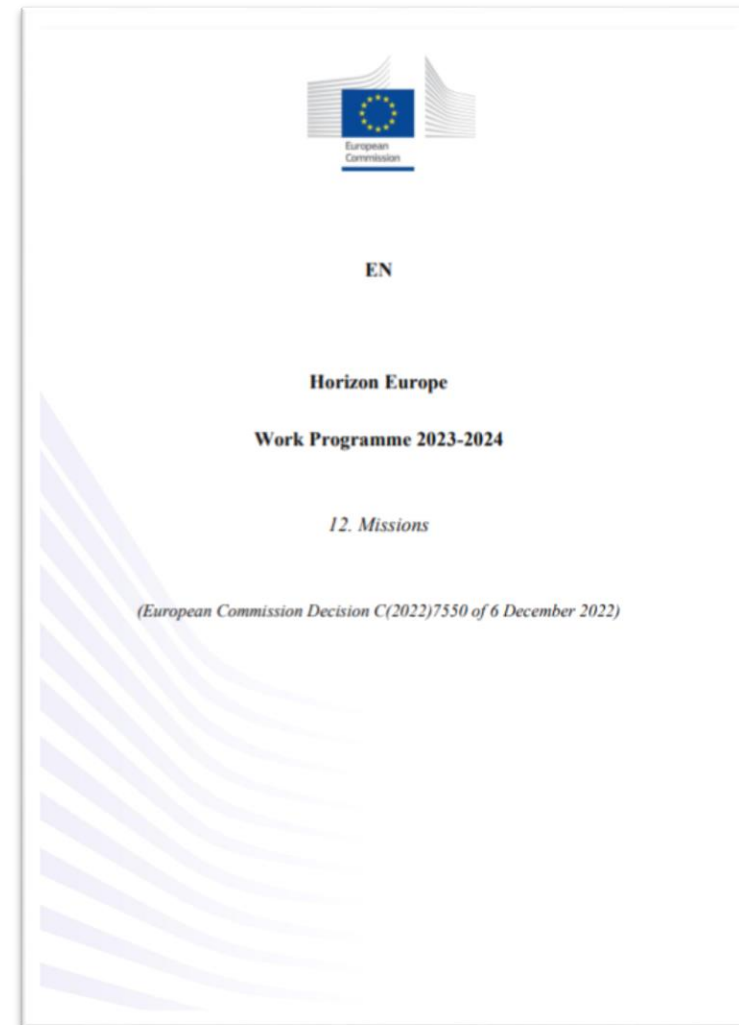


II WP 2023

Scadenze:

Aprile – Settembre 2023

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-12-missions_horizon-2023-2024_en.pdf





EU Mission | WP 23 (29 topic)



Clima Draft WP 23

Opening Jan23- Deadline: **20 Sep 2023**

topic: **3**

Budget: **82,81** mln €

Cancer Draft WP 23

Opening Jan23-Deadline: **12 aprile 2023**

topic: **4**

Budget: **110, 68** mln €



EU Mission | WP 23 (29 topic)



Ocean and Waters Draft WP 23
Opening Jan23–Deadline: **20 Sep 2023**
topic: **11**
Budget: **87,7** mln €



Cities Draft WP 23
Deadline: **27 aprile e 6 Sep 2023**
topic: **2**
Budget: **75,00** mln €



EU Mission | WP 23 (29 topic)



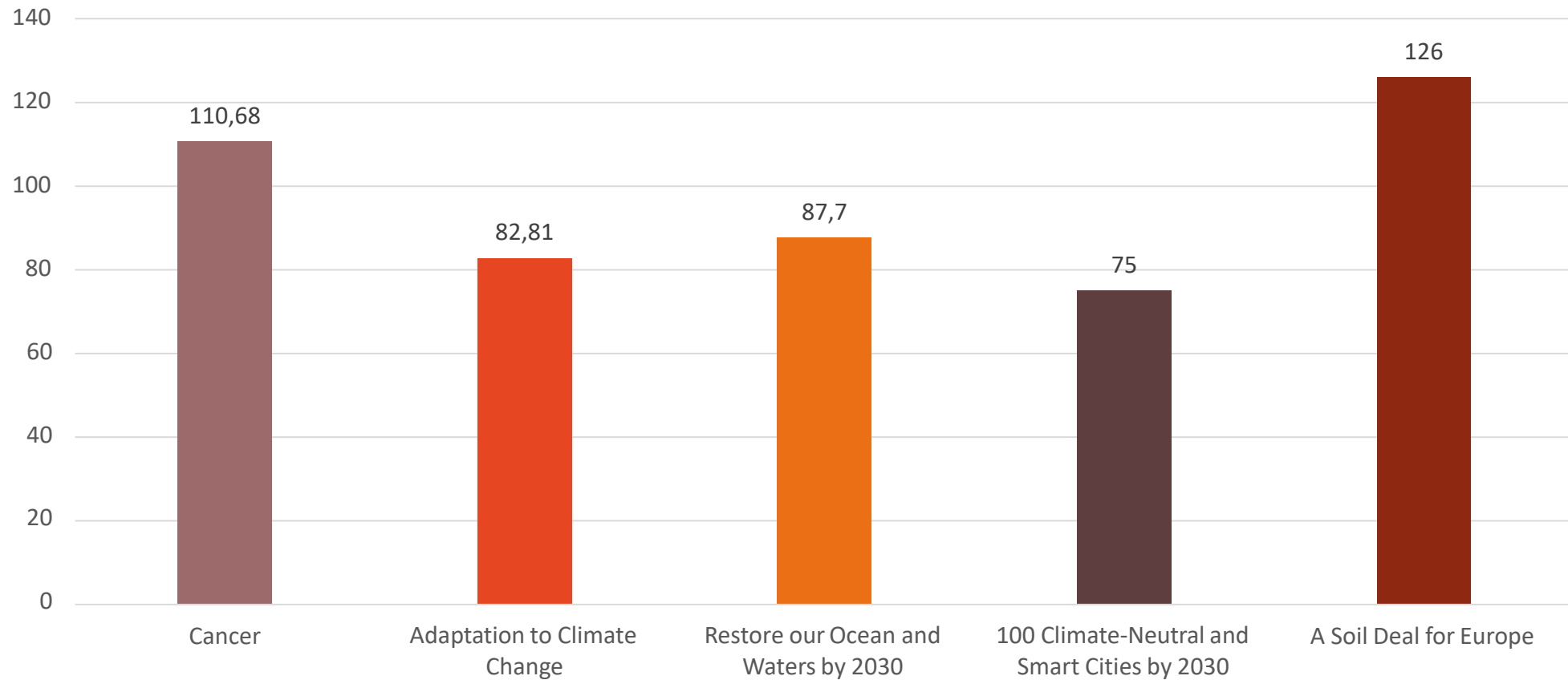
Soil Draft WP 23

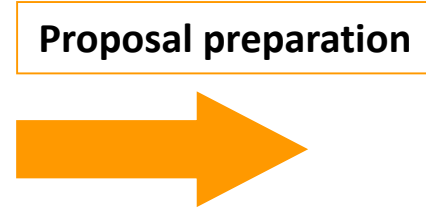
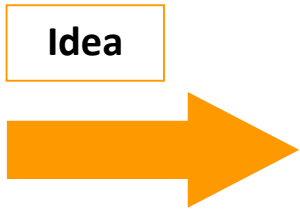
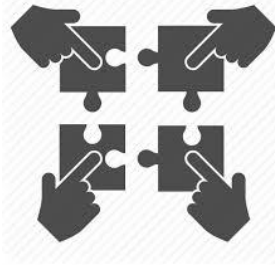
Opening: Jan23-Deadline: **20 Sep 2023**

topic: **9**

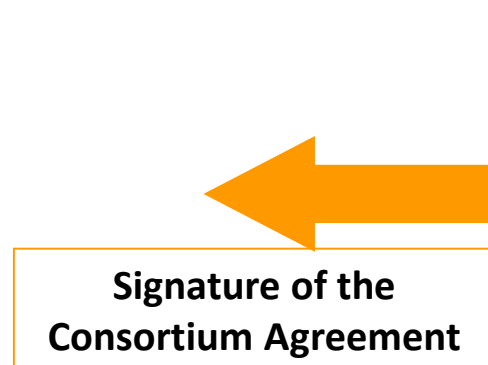
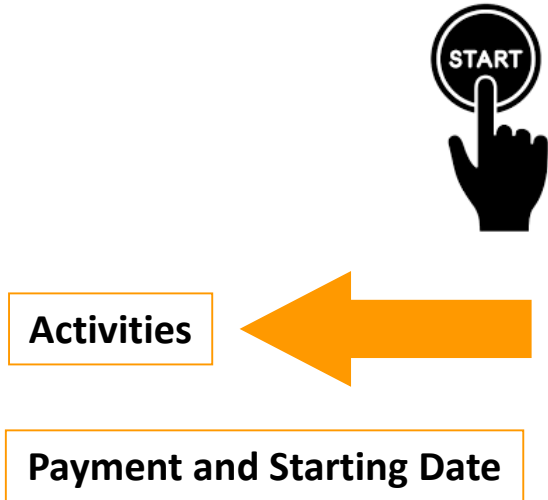
Budget: **126** mln €

5 MISSIONS – BUDGET 2023 (mIn €)





Evaluation & Selection





THE EU RESEARCH & INNOVATION PROGRAMME **2021 - 2027**

Horizon Europe – REGOLE DI PARTECIPAZIONE



Rules for participation

REGULATION (EU) 2021/695 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 28 April 2021 establishing Horizon Europe – the Framework Programme for Research and Innovation, laying down its rules for participation and dissemination (...)





Rules for participation

Art. 22.1 – Horizon Europe Regulation

“Any legal entity, regardless of its place of establishment and including legal entities from non-associated third countries or international organisations, may participate in actions under the Programme, provided that the conditions laid down in this Regulation have been met together with any conditions laid down in the work programme or call for proposals.”



Legal status :
natural persons, legal persons,
entities without legal personality.



Rules for participation

Art. 22.2 – Horizon Europe Regulation

“Except in duly justified cases where the work programme otherwise provides, legal entities forming a consortium shall be eligible for participation in actions under the Programme provided that the consortium includes:

- ***(a) at least one independent legal entity established in a Member State; and***
- ***(b) at least two other independent legal entities each established in different Member States or associated countries****

** “unless: (a) the work programme provides otherwise, if duly justified...”*

Minimum conditions for
CONSORTIA:

- ***At least 3 independent entities***
- ***established in 3 different Member States or Associated Countries.***
- ***At least 1 entity established in a Member State***





THE EU RESEARCH & INNOVATION PROGRAMME **2021 - 2027**

Horizon Europe – REGOLE DI FINANZIAMENTO



Rules for participation

REGULATION (EU) 2021/695 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 28 April 2021 establishing Horizon Europe – the Framework Programme for Research and Innovation, laying down its rules for participation and dissemination (...)





Funding Rules

Legal entities eligible for funding – art. 23

- Established in a Member State or associated country -> **General rule**
- **Low to middle income non-associated third countries**
- **Other non-associated third countries, shall be eligible for funding in an action if:**
 - the third country is identified in the work programme adopted by the Commission;
 - the Commission or the relevant funding body considers that the participation of the legal entity concerned is essential for implementing the action.

Source: [List of Participating Countries in Horizon Europe](#)

Afghanistan, Algeria, Angola, Argentina, Azerbaijan; Bangladesh, Belarus, Belize, Benin, Bhutan, Bolivia, Botswana, Burkina Faso, Burundi; Cabo Verde, Cambodia, Cameroon, Central African Republic, Chad, Colombia, Comoros, Congo (Democratic Republic), Congo (Republic), Costa Rica, Côte d'Ivoire, Cuba ;Djibouti, Dominica, Dominican Republic ; Ecuador, Egypt (Arab Republic), El Salvador, Equatorial Guinea, Eritrea, Eswatini, Ethiopia; Fiji; Gabon, Gambia, Ghana, Grenada, Guatemala, Guinea, Guinea-Bissau, Guyana; Haiti, Honduras; Indonesia, Iran (Islamic Republic), Iraq; Jamaica, Jordan; Kazakhstan, Kenya, Kiribati, Korea (Democratic People's Republic), Kyrgyz Republic; Lao (People's Democratic Republic), Lebanon, Lesotho, Liberia, Libya; Madagascar, Malawi, Malaysia, Maldives, Mali, Marshall Islands, Mauritania, Mauritius, Micronesia (Federated States), Mongolia, Mozambique, Myanmar; Namibia, Nepal, Nicaragua, Niger, Nigeria; Pakistan, Palestine, Papua New Guinea, Panama, Paraguay, Peru, Philippines Rwanda; Samoa, São Tomé and Príncipe, Senegal, Sierra Leone, Solomon Islands, Somalia, South Africa, South Sudan, Sri Lanka, St. Lucia, St. Vincent and the Grenadines, Sudan, Suriname, Syrian Arab Republic; Tajikistan, Tanzania, Thailand, Timor-Leste, Togo, Tonga, Turkmenistan, Tuvalu; Uganda, Uzbekistan; Vanuatu, Venezuela (Bolivarian Republic), Vietnam; Yemen Republic; Zambia, Zimbabwe.



NEW

Funding Rules

Legal entities eligible for funding – art. 23

- Established in a Member State or associated country -> **General rule**
- **Low to middle income non-associated third countries**
- **Other non-associated third countries**, shall be eligible for funding in an action **if**:
 - the third country is identified in the work programme adopted by the Commission;
 - the Commission or the relevant funding body considers that the participation of the legal entity concerned is essential for implementing the action.

- outstanding **competence/expertise**
- access to particular **research infrastructures**
- access to particular **geographical environments**
- access to particular **data**



FP Association as the highest level of S&T cooperation with EU

Art. 16 Third countries associated to the Programme

1. The Programme shall be open to association of the following third countries (associated countries):
 - a) **Members of the European Free Trade Association**, which are members of the EEA, in accordance with the conditions laid down in the Agreement on the European Economic Area;
 - b) **Acceding countries, candidate countries and potential candidates**, in accordance with the general principles and general terms and conditions for the participation of those countries in Union programmes established in the respective framework agreements and Association Council decisions or similar agreements and in accordance with specific conditions laid down in agreements between the Union and those countries;
 - c) **European Neighbourhood Policy countries (...)**
 - d) **Third countries and territories that fulfil all of the following criteria:**
 - i. a good capacity in science, technology and innovation;
 - ii. commitment to a rules-based open market economy, including fair and equitable dealing with intellectual property rights, of human rights, backed by democratic institutions;
 - iii. active promotion of policies to improve the economic and social well-being of citizens.





Science and technology agreements currently existing with Third Countries:

- | | |
|--------------|------------------------------|
| 1. Algeria | 11. Jordan |
| 2. Argentina | 12. Korea |
| 3. Australia | 13. Mexico |
| 4. Brazil | 14. Morocco |
| 5. Canada | 15. New Zealand |
| 6. Chile | 16. South Africa |
| 7. China | 17. Switzerland |
| 8. Egypt | 18. Tunisia |
| 9. India | 19. Ukraine |
| 10. Japan | 20. United States of America |

The EU has bilateral agreements with 20 individual countries around the world. These agreements are based on common interests and priorities, aiming to increase cooperation in research and innovation.





Associated Third Countries to Horizon Europe – state of the art



Transitional arrangement - For the purposes of the eligibility conditions, applicants established in Horizon 2020 Associated Countries or in other third countries negotiating association to Horizon Europe will be treated as entities established in an Associated Country, if the Horizon Europe association agreement with the third country concerned applies at the time of signature of the grant agreement.

1. Albania
2. Armenia
3. Bosnia and Herzegovina
4. Faroe Islands
5. Georgia
6. Iceland
7. Israel
8. Kosovo
9. Moldova
10. Montenegro
11. Morocco
12. North Macedonia
13. Norway
14. Serbia
15. Tunisia
16. Turkey
17. Ukraine
18. United Kingdom (1.1.24)





https://research-and-innovation.ec.europa.eu/news/all-research-and-innovation-news/updates-association-third-countries-horizon-europe-2021-12-21_en

Updates on the association of third countries to Horizon Europe

Please note that the information displayed on this page is subject to regular updates

As of 1 August 2022, [Albania](#), [Armenia](#), [Bosnia and Herzegovina](#), the [Faroe Islands](#), [Georgia](#), [Iceland](#), [Israel](#), [Kosovo](#), [Moldova](#), [Montenegro](#), [North Macedonia](#), [Norway](#), [Serbia](#), [Tunisia](#), [Türkiye](#) and [Ukraine](#) have applicable association agreements in place.

The United Kingdom will be associated by means of a Protocol to the Trade and Cooperation Agreement.

Association negotiations with [Morocco](#) continue. Discussions on association are progressing well with our like-minded global allies. Informal exploratory talks with [Canada](#) and [New Zealand](#) have been successfully closed. The European Commission is seeking at present negotiating directives. Once the directives are adopted by the Council, formal negotiations would commence, upon readiness of New Zealand and Canada.

Exploratory talks with [South Korea](#) and [Japan](#) are progressing.

20 December 2022

The Commission and the New Zealand Government have concluded the negotiations for the association of New Zealand to the Horizon Europe programme. The signing of the Association Agreement is expected to take place in 2023, pending the completion of all necessary validations on both sides.

30 November 2022

On 30 November 2022, formal negotiations for Canada's association to Horizon Europe have been launched.

9 June 2022

The Agreement associating Tunisia to Horizon Europe, the EU research and innovation programme (2021-2027), entered into force, following its ratification by Tunisia. The Agreement applies with a retroactive effect from 1 January 2021.

The Agreement associating Ukraine to Horizon Europe, the EU research and innovation programme (2021-2027) and to the Euratom Research and Training Programme (2021-2025) entered into force, following its ratification by Ukraine. The Agreement applies with a retroactive effect from 1 January 2021.

- 🚩 **New Zealand** | Association expected in 2023
- 🚩 **Canada** | Association expected in the first quarter of 2023
- 🚩 **Morocco** | Negotiations ongoing
- 🚩 **South Korea** | Exploratory talks ongoing
- 🚩 **Japan** | Exploratory talks ongoing
- 🚩 **UK** | NO AGREEMENT YET



Nuova condizione di eleggibilità in Horizon Europe

General Annexes Main WP 2023/2024 - lett. B «Eligibility»

*“To be eligible, legal entities from Member States and Associated Countries that are public bodies, research organisations or higher education establishments (including private research organisations and higher education establishments) must have a **gender equality plan**, covering the following minimum process-related requirements”*



Gender Equality Plan

- 🚩 Nuovo requisito
- 🚩 ...a chi è indirizzato?

Ogni ente pubblico, ente di ricerca (pubblico o privato) o istituto di istruzione superiore

- 🚩 In cosa consiste?

Documento pubblico.

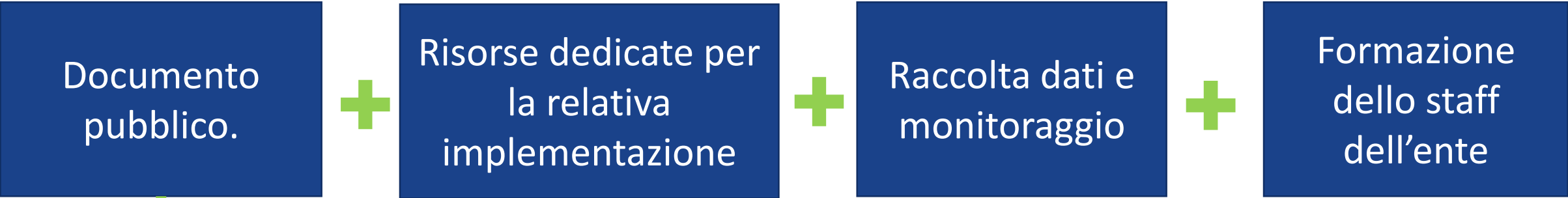


Sarà necessaria un'autodichiarazione al momento della sottomissione della proposta



Gender Equality Plan

Non solo GEP....



Sarà necessaria un'autodichiarazione al momento della sottomissione della proposta



Type of actions

- Eligibility: any legal entity can participate
 - Collaborative projects: Must be a consortium of minimum 3 independent legal entities, each established in a different EU Member State (MS) or Associated Countries (AC), with at least one of them established in a MS.
 - Monobeneficiary projects: Coordination and support actions, some ERC, MSCA and co-fund actions
- Main types of action:
 - RIA – Research and Innovation Actions – up to 100% funding rate
 - IA – Innovation Actions – up to 70% funding rate (except for non-profit legal entities, where a rate of up to 100% applies)
 - CSA – Coordination and Support Actions – up to 100% funding rate
- Other actions: co-fund, Innovation and Market Deployment (IMDA), Training and Mobility Action (TMA), Pre-Commercial Procurement (PCP), Public Procurement of Innovative solutions action (PPI)



Where to find Call for Proposals

Search Work Programmes

Search Funding & Tenders

Commission européenne | Funding & tender opportunities | Single Electronic Data Interchange Area (SEDIA)

SEARCH FUNDING & TENDERS | HOW TO PARTICIPATE | PROJECTS & RESULTS | WORK AS AN EXPERT | SUPPORT

Programming period: 2021-2027

Reference Documents

Grants
This page includes reference documents of the programmes managed on the EU Funding & Tenders portal. Please select the programme to see the reference documents.

Procurement
Reference Documents related to tendering opportunities are published on TED eTendering in the calls for tenders.

Filter

- Legislation
- Work programme & call documents
 - 2021-2022
 - 2023-2024**

HE and Euratom Work Programme on Horizontal Expenditure 2023-2024

- General introduction
- Marie Skłodowska-Curie Actions
- Research Infrastructures
- Health
- Culture, creativity and inclusive society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment
- European Innovation Ecosystems (EIE)

Funding and tenders (1982)

Water4All 2022 Joint Transnational Call "Management of water resources: resilience, adaptation and mitigation to hydroclimatic extreme events and management tools"

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Topic	HORIZON-CL6-2021-CLIMATE-01-02	Deadline model	multiple cut-off
Opening date	01 September 2022	Next deadline	20 March 2023 15:00:00 Brussels time

Driving Urban Transitions (DUT) Call 2022

Programme	Horizon Europe (HORIZON)	Status	Open for submission
Topic	HORIZON-CLS-2021-D2-01-16	Deadline model	multiple cut-off
Opening date	21 September 2022	Next deadline	03 May 2023 13:00:00 Brussels time

CETPartnership Joint Call 2022

Programme	Horizon Europe (HORIZON)	Status	Open for submission
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Tips for Partner Search

When you access through the topic page, you will find in the left menu a direct access to the partner searches only for this topic. This way, it is rather *simple* for consortia to search for partners for a given topic, without having to filter from larger databases, *however* in this case, the information provided is more limited

Horizon Europe (HORIZON)

- Due to technical maintenance, **Funding and Tenders Portal** services may not be available between 13/02/2023 08:00:00 and 13/02/2023 08:30:00. We apologize for the inconvenience caused.
- Grant and Audit Management Services** may not be accessible due to the issues experienced by the European Commission Authentication Service (EU Login).
- The **Expert Registration, Legal Entity, Bank Account, Contracts and Payment functionalities** in the Experts Area of the F&T Portal may be **unavailable** due to the issues experienced by the European Commission Authentication Service (EU Login).

Supporting the fair and just transition from GHG-intensive economies facing challenges towards circular bioeconomy model regions

TOPIC ID: HORIZON-CL6-2023-CircBio-01-10

Grant

- General information
- Topic description
- Destination
- Conditions and documents
- Partner search announcements
- Submission service
- Topic related FAQ
- Get support
- Call updates

General information		
Programme Horizon Europe Framework Programme (HORIZON)		
Call Circular economy and bioeconomy sectors (HORIZON-CL6-2023-CIRC BIO-01)		
Type of action HORIZON-CSA HORIZON Coordination and Support Actions	Type of MGA HORIZON Lump Sum Grant [HORIZON-AG-LS]	See budget overview
Deadline model single-stage	Opening date 22 December 2022	Deadline date 28 March 2023 17:00:00 Brussels time



Tips for Partner Search

- Participate in Brokerage events!
- Start from exploring projects and success stories!

Info days
Horizon Europe info day - Cluster 1
19 January 2022
Online only

Info days
EU Missions info days

Info days
Horizon Europe info day - Cluster 3

Info days
Horizon Europe info day - Cluster 5
15 - 16 December 2022
Online only
Live streaming available

Info days
Horizon Europe info day - Cluster 6
13 - 14 December 2022
Online only

Info days
Horizon Europe info day - Cluster 4
12 - 14 December 2022
Online only

If a project has achieved outstanding results relevant to EU citizens, this could be promoted by the EC via some of its free-of-charge channels such as the [page dedicated to Success Stories](#).

You can find success stories even in:

- [Cordis Results in Brief](#)
- [CORDIScovery podcasts](#): *CORDIScovery is a monthly podcast featuring a panel discussion between guests at the forefront of their scientific fields. From threats to biodiversity to the future of space exploration, if you want to hear how the EU's cutting-edge research is taking on the key issues challenging us today, then be sure to download and listen to what Europe's leading scientists have to say. CORDIScovery is produced by CORDIS, whose mission is to share the results of the very best of EU-funded research.*

- [Horizon Magazine](#)

In the page dedicated to Success Stories, you can filter projects per:

- Country
- Theme
- Framework programme
- Project acronym
- Project number
- Project coordinator
- Project start date/end date

- Examples of research projects with Egypt “flagged” by EC:

- SHERACA+ (2013-2016) ShERACA is a word that means partnership in Arabic. The project supported institutional dialogue and fostered collaborative activities between Egypt and the EU in research and innovation

Note that you can also download as a pdf the **project card** of each success story:



EUROPEAN UNION

HORIZON EUROPE

#HorizonEU

THE EU RESEARCH & INNOVATION
PROGRAMME
2021 - 2027



[REGISTRATI APREmailing >](#)



INFO DAY IT 2023



23/01 24/01 25/01 26/01 27/01

INFO DAY NAZIONALI SUI TEMI E I
BANDI DEL PROGRAMMA QUADRO
PER LA RICERCA E L'INNOVAZIONE

LA SETTIMANA HORIZON EUROPE 2023

<https://apre.it/settimana-horizon-europe-2023/>



HORIZON EUROPE – LA GUIDA

COS'È, COSA FINANZIA, COME PARTECIPARE



APRE**brief**
HORIZON EUROPE



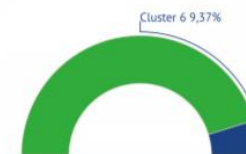
CLUSTER 6: FOOD, BIOECONOMY NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

CLUSTER 6

L'ambizione del Cluster 6 è quella di fornire opportunità per migliorare e bilanciare gli obiettivi ambientali, sociali ed economici e per impostare le attività economiche umane su un percorso verso la sostenibilità.

Il paradigma alla base del Cluster 6 è quindi la necessità di un cambiamento trasformativo dell'economia e della società dell'UE volto a ridurre il degrado ambientale, arrestare e investire il declino della biodiversità e gestire meglio le risorse naturali, al servizio degli obiettivi climatici dell'UE e garantire cibo e acqua in sicurezza.

BUDGET ASSEGNATO: 8,952 (MIO EUR)



CLUSTERS

PILLAR 2
Global Challenges and
European Industrial
Competitiveness

1. HEALTH
2. CULTURE, CREATIVITY AND INCLUSIVE SOCIETY
3. CIVIL SECURITY FOR SOCIETY
4. DIGITAL, INDUSTRY AND SPACE
5. CLIMATE, ENERGY AND MOBILITY
6. FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

<https://apre.it/2021horizoneurope>

<https://horizoneurope.apre.it/>



National Contact Points – NCPs

WHO WE ARE

The NCPs are support structures that have become an essential component in the implementation of the Framework Programmes.

THE NCP KEY TASK IS TO SUPPORT APPLICANTS WHO WISH TO PARTICIPATE IN HORIZON EUROPE

The NCPs are nominated at national level and act in close cooperation with the EU Commission and with national partners and clients.

<https://horizoneurope.apre.it/team-tematici/>



National Contact Points – NCPs

WHAT WE OFFER

The NCPs provide information and advice to potential applicants and beneficiaries, through the project life cycle, in their own language, in a personalized manner that would be impossible for the Commission and its Agencies acting alone.

Information
and awareness
raising

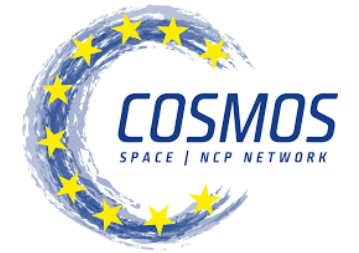
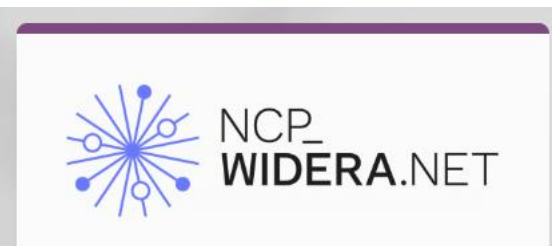
Assisting,
advising,
training

Signposting
and
cooperation



TEAM TEMATICI DI APRE A SUPPORTO DELLA COMUNITÀ ITALIANA R&I

GLI NCP e le loro RETI





RETI NCP: servizi per i proponenti

▪Annotated templates (RIA/IA)

SSH Opportunities document

Brokerage events

Trainings and events

Video interview

Mappe interattive degli stakeholders più importanti

Repository

Success factors and best practices

Topic tree (Cluster 4 - ICT)

TRL Discovery

Full Proposal Check events e Pre-proposal checks

Analyse of Evaluation Results & Participation

Factsheets and Guidelines;

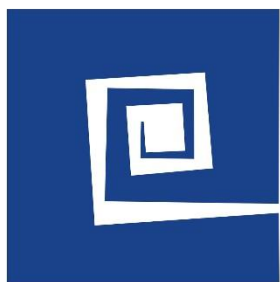
Business Glossary;

TB.map tool (competitors)

Bsize tool (dimensioni del mercato di riferimento)

"How to pitch"

<https://horizoneuropencppportal.eu/>



APRE

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**GRAZIE PER
L'ATTENZIONE!**

Serena Borgna
borgna@apre.it