

Horizon Europe 참여 전략

- Partnership Program -

10 Sep 2026

김명순

Horizon Europe 국가연락관(NCP) – Cluster 4



Horizon Europe 국가연락관(NCP)

— Cluster 4 (Digital, Industry, Space) —



김명순 Ph.D

Maia KIM

ETRI

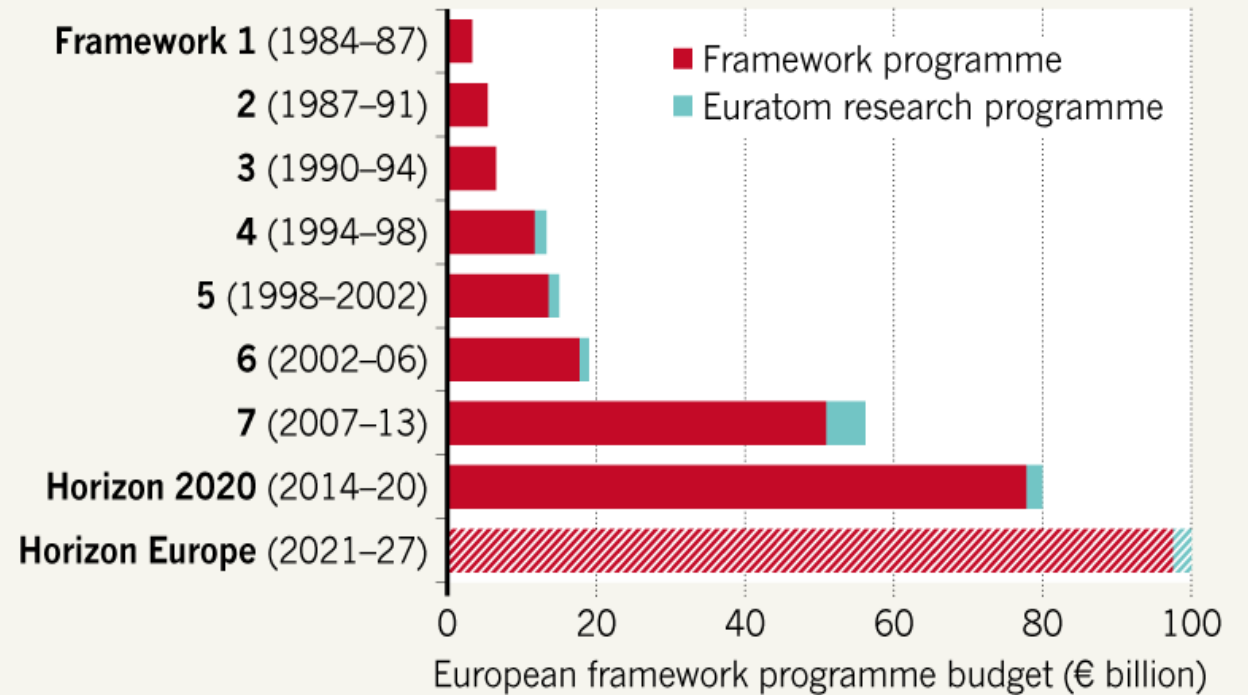


EU Framework Program

FP	period	Budget (bil €)
FP1	1984 - 1987	3.8
FP2	1987 - 1991	5.4
FP3	1990 - 1994	6.6
FP4	1994 - 1998	13.2
FP5	1998 - 2002	15.0
FP6	2002 - 2006	16.3
FP7	2007 - 2013	55.2
FP8 Horizon 2020	2014 - 2020	78.6 (125조 원)
FP9 Horizon Europe	2021 - 2027	95.5 (158조 원)

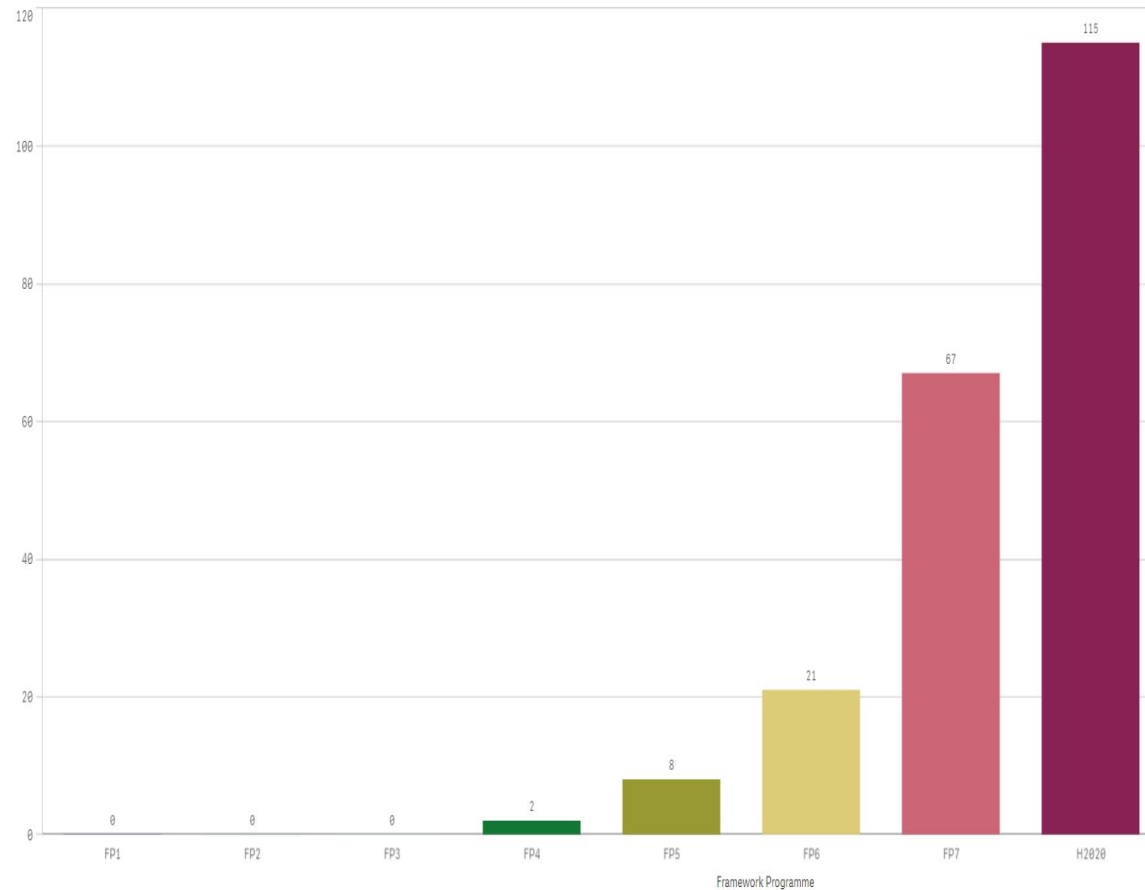
EUROPE'S SCIENCE SPENDING

The European Commission has proposed a €100-billion (US\$120-billion) budget for Horizon Europe, the next instalment of its research-funding programme, which will last from 2021 to 2027.

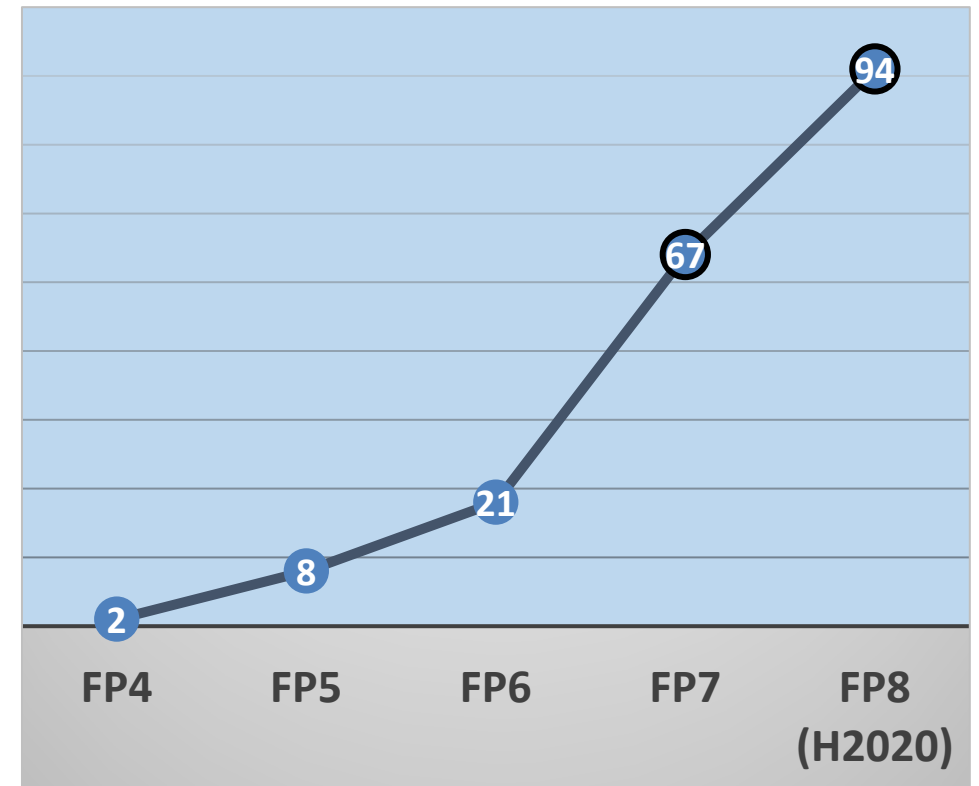


Participation – Rep of Korea

Participation across Programmes



#Participants



* Source: Horizon Dashboard (21-08-2026) - collaborative research (MSCA excl.)

KR Participation (top group) – EU Collaborative Research

	legal name	#grants*
REC	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE (ETRI)	25
HES	SEOUL NATIONAL UNIVERSITY (SNU)	22
HES	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY (KAIST)	18
REC	KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY (KIST)	14
HES	YONSEI UNIVERSITY	11
HES	HANYANG UNIVERSITY	10
REC	KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY (KRICT)	8
REC	KOREA ATOMIC ENERGY RESEARCH INSTITUTE (KAERI)	8
HES	KOREA UNIVERSITY	8
REC	INTERNATIONAL VACCINE INSTITUTE	7
REC	KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY INFORMATION (KISTI)	6
REC	KOREA RESEARCH INSTITUTE OF STANDARDS AND SCIENCE (KRISS)	6
IND	SUNDOSOFT CO. LTD.	5
REC	KOREA ASTRONOMY AND SPACE SCIENCE INSTITUTE	5
REC	INSTITUT PASTEUR KOREA	5

ETRI



서울대학교
SEOUL NATIONAL UNIVERSITY



KIST
Korea Institute of
Science and Technology

KRICT



* Source: Horizon Dashboard (21-08-2026) - MSCA excl. / ICT joint calls incl.

HORIZON EUROPE



Pillar 1 EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures



Pillar 2 GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- 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

Joint Research Centre



Pillar 3 INNOVATIVE EUROPE

European Innovation Council

European innovation ecosystems

European Institute
of Innovation and Technology

WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system



Korea in 2025 calls (#participants) – Pillar 2

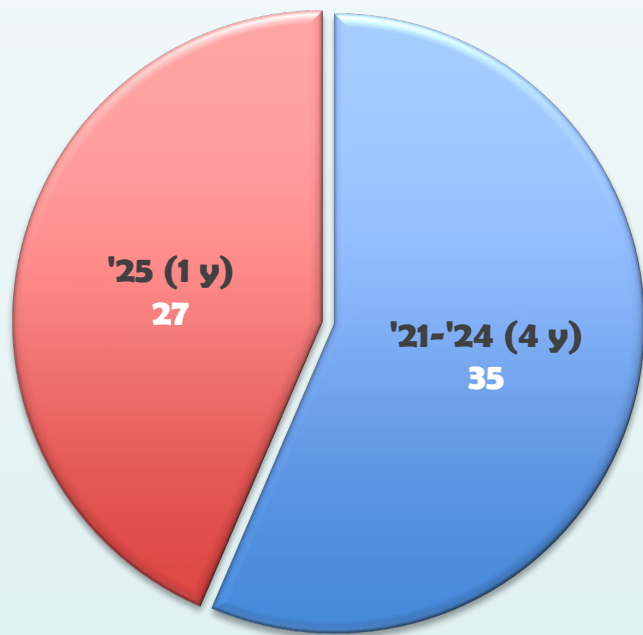
Goal		Result
50+	Proposal submitted	200+ ACTUAL
10~11	Projects approved	30+
12% Horizon Europe Avg.	Success rate	15% Korea Success Rate

HORIZON EUROPE

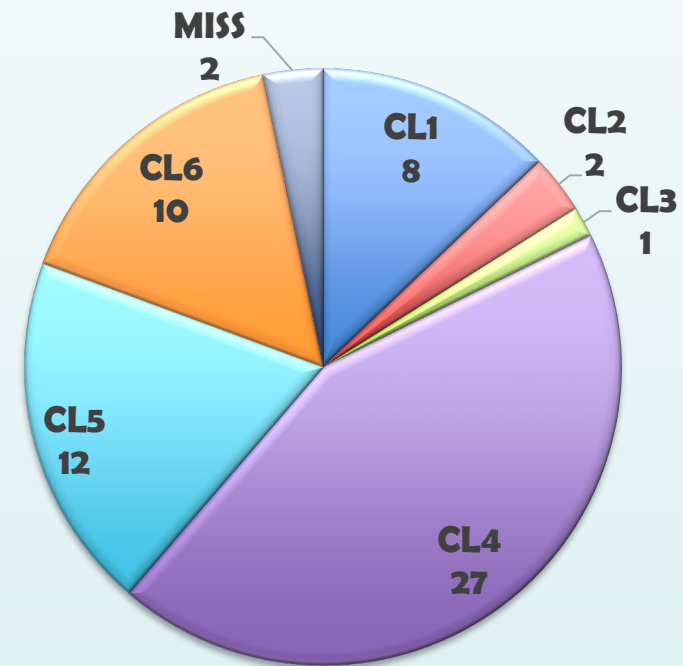
2025. 7. 17.



#Grants (KR in HE-P2)



* Source: Horizon Dashboard (21-08-2026) – #Projects



* Source: Horizon Dashboard (21-08-2026) – Pillar 2 only

HE membership

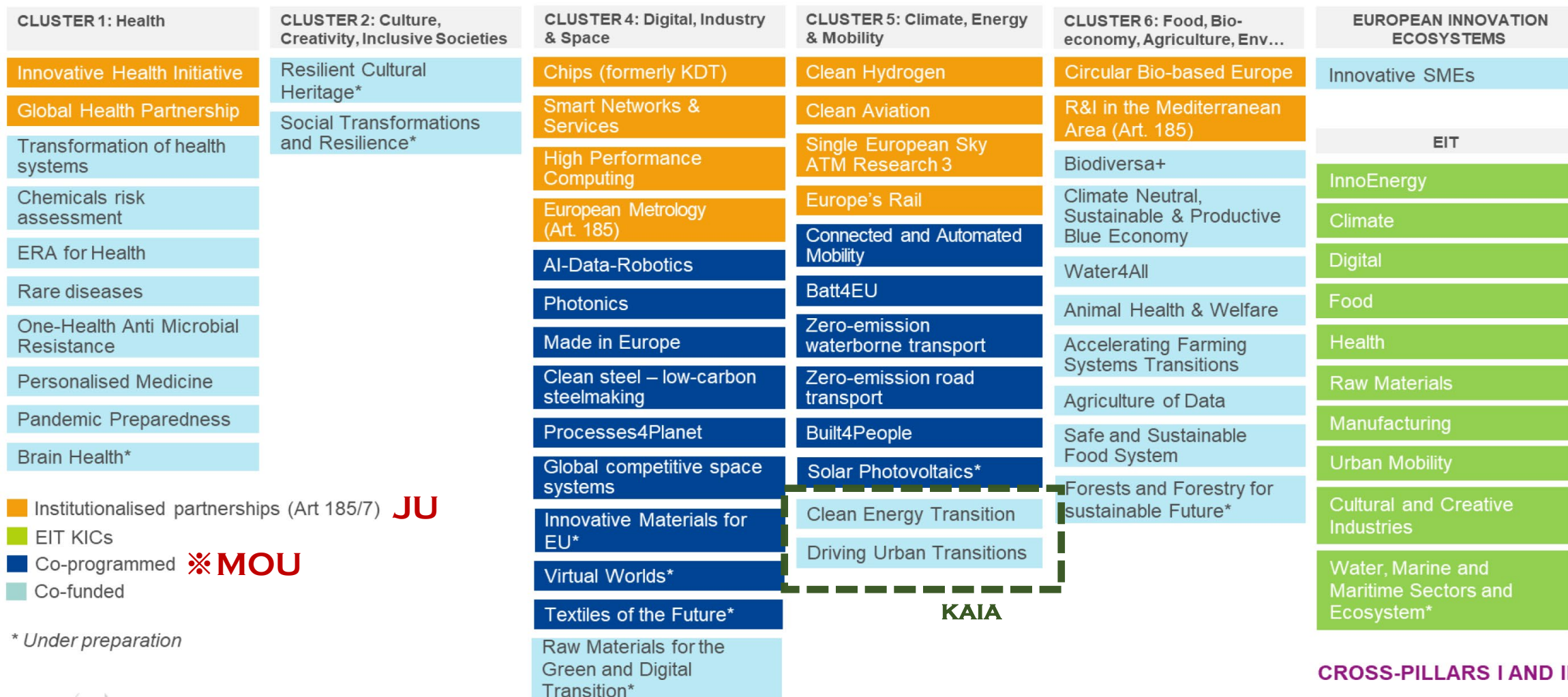
- **EU Member countries (27)**
Austria, Belgium, Bulgaria, Croatia, Republic of Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden
- **Associated countries (23)**
 - EEA EFTA countries: Iceland, Norway
 - Western Balkans: Albania, Bosnia and Herzegovina, Kosovo, Montenegro, North Macedonia, Serbia, and Türkiye
 - European Neighbourhood Policy countries:
 - . Eastern Partnership: Armenia, Georgia, Moldova, and Ukraine
 - . Southern neighbourhood countries: Israel, Tunisia
 - other third countries: the Faroe Islands, New Zealand(P2), UK, Canada(P2), Switzerland, **South Korea(P2)**, Japan(P2), *Australia(P2)*
- **Ongoing talks**
 - Morocco, Singapore(failed), India ...

Partnership Program



PILLAR II - Global challenges & European industrial competitiveness

PILLAR III - Innovative Europe



CROSS-PILLARS I AND II

HORIZON EUROPE



Global Interests

The following countries have been involved in the partnership in different ways since 2022



Consortium building





Matchmaking Platform for DUT Call 2026

[Register now](#) [Share](#)

Registration open until 15 Apr 2027

Find project partners!

Book meetings with other participants and check out project cooperation opportunities.

855
Registered participants



372
Exchanged messages



167
Posted opportunities



1369
Profile views



Welcome to the matchmaking platform of the DUT Partnership!

Here you can find project partners and build a consortium for your DUT Call 2026 proposal.

Register on the platform to access matchmaking and info events.

DUT Call 2026 is a funding opportunity supporting transnational research and/or innovation projects that help cities tackle urban

Republic of Korea



Romania



Slovakia



Slovenia



Transition Pathways

The DUT Partnership accelerates urban transitions through three thematic areas, the Transition Pathways.

DUT builds upon three Transition Pathways

The Transition Pathways (TPs) focus on key dimensions of urban transitions: urban mobility (the 15-minute City TP), urban energy (the Positive Energy Districts TP), and urban resources and greening (the Circular Urban Economies TP). While each TP has its distinct thematic focus, they function as interconnected sub-programmes, ensuring that urban transitions are applied in a comprehensive and integrated manner.



15-minute City



Circular Urban Economies



Positive Energy Districts



HORIZON-CL4-2027-04-DIGITAL-EMERGING-05:

Apply AI: AI-Driven Robotics for Industry: Enabling System Integration and Adoption (ADRA Partnership)

Scope / key area	Disseminate a deep understanding of state-of-the-art robotics components, including both hardware and software, and expertise in addressing interoperability issues for the upskilling of system integrators; Maximise the impact and adaptability of deployed systems, the approach should consider the most appropriate tools to speed up integration processes and suitable AI design, training and inference methodologie
Expected outcome	- Wider and faster deployment of robotics, bridging the gap between technology providers and end-users. - Development and implementation of modular and interoperable integration frameworks and solutions, including standardized protocols for data, training and safety testing, evaluation and validation of robotic solutions in key use cases - Improved competitiveness of European industries, notably SMEs via the development of advanced robotics systems, intelligent planning and control systems, user feedback rendering techniques and cutting-edge AI innovations
Budget [Projects]	18.00 [1]
Eligibility	MS + IS, NO, CA, IL, KR, NZ, CH, UK / Protection of ECN
Type of Action	IA (TRL 4 → 7)

HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-03:

Factory processes and automation for de- and re-manufacturing (Made in Europe partnership)

Scope / key area	Proposals should focus on developing de-manufacturing and re-manufacturing technologies at the factory level, addressing at least three of the following: - Technologies to efficiently analyse part condition and support predictive maintenance, including for re-manufactured parts or components of lower value, e.g. by combining multimodal sensor data, AI and human inputs; - AI and robotic-assisted technologies, e.g. innovative end-effectors, to de-manufacture products and components, including handling, sorting and extended logistics; - Model-based systems, to allow de-manufacturing and re-manufacturing operators to use CAD data and digital twins related to the original parts (and contribute to the development of a digital ecosystem); Should include a business case and exploitation strategy,
Expected outcome	- A viable industrial ecosystem for circularity in manufacturing industries emerges, enhancing both circularity and resilience; - De-manufacturing technologies and practices become available, making decisive contributions to a European remanufacturing industry and market; - Functions of products are retained, reused, upgraded or adapted through demanufacturing and re-manufacturing; - Skills, standards and safety measures relevant to remanufacturing are developed
Budget [Projects]	36.00/5.00-6.50 [6] Lump Sum
Eligibility	-
Type of Action	RIA (TRL 4-5 → 6)

What is JU?

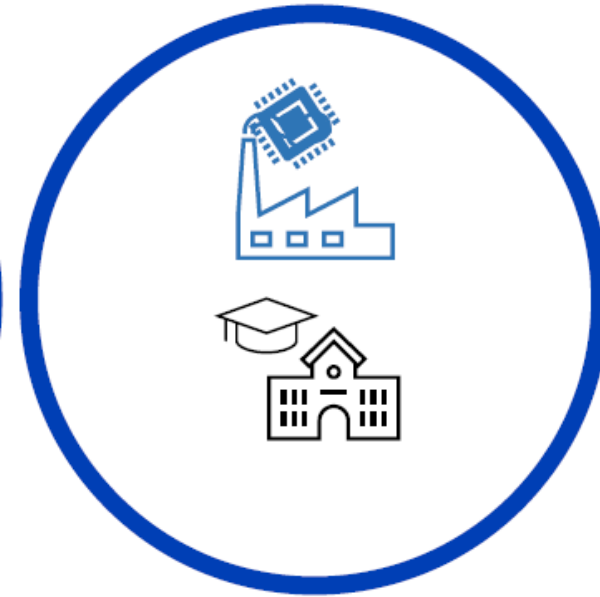
IA



European Union



Participating States



Private Members



~ € 11 BN



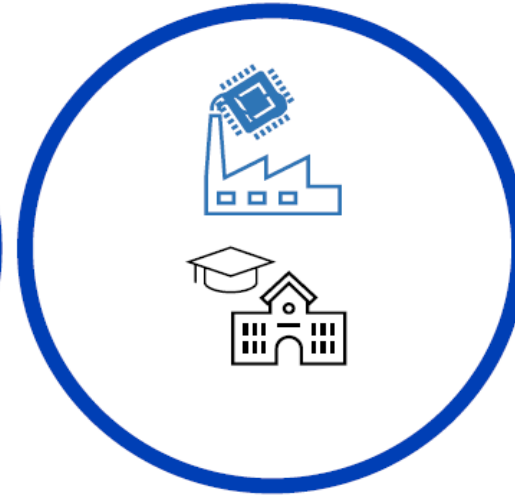
European Union

€ 4.175 BN



Participating States

€ 4.175 BN



Private Members

€ 2.500 BN



The 5G Infrastructure Public Private Partnership

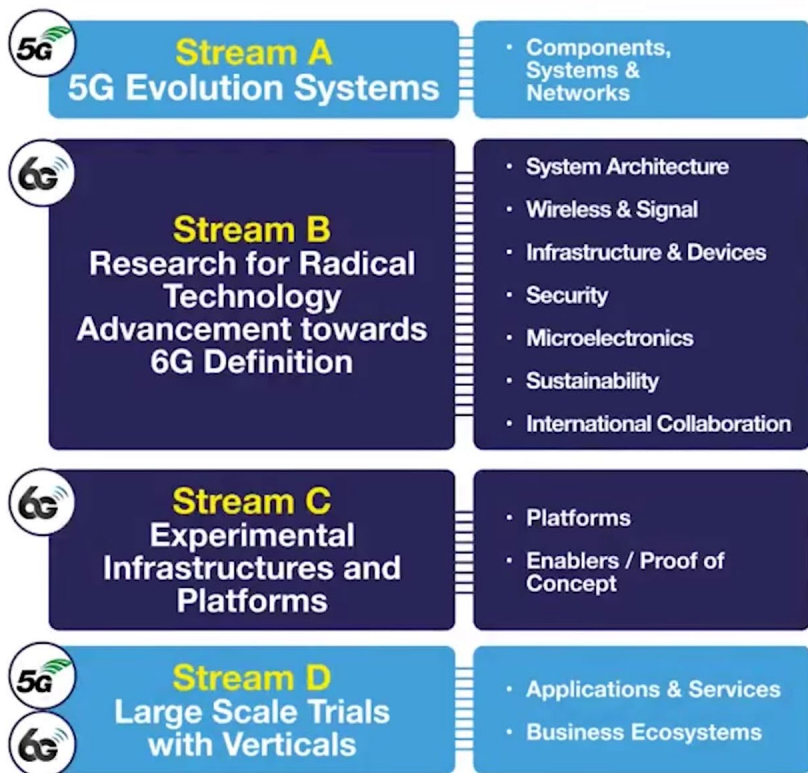


European
Commission

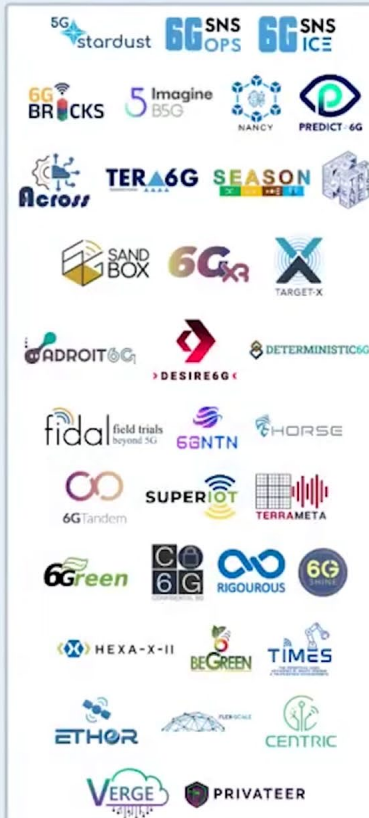


		Call 1 Started Jan '23	Call 2 Started Jan '24	Call 3 Started Jan '25	2025 Calls To be Started in 2026
 Stream A 5G Evolution systems	Components, systems & networks	7 Complementarity projects validate complete system view			
 Stream B Research for radical technology advancement towards 6G definition	System Architecture Wireless & Signal Infrastructure & Devices Security Microelectronics Sustainability International Collab	19 projects research Novel technologies expected to be adopted in commercial networks in a mid /long-term horizon	24 projects working on Innovative solutions towards real life networks over a long-term horizon . Also targets International Cooperation 	12 projects targeting a higher TRL range, compared to previous calls, aiming to produce more mature results and impact on standardization . Includes lighthouse project on Sustainability and targets International Cooperation  	16 projects on Forward looking topics (advance architectures and IoT), Wireless tech (MIMO, AI/ML, Spectrum sharing, Open RAN), NTN- TN unification/integration, Optical networks and Photonics , Security and Resilience , and Microelectronics .
 Stream C Experimental Infrs/Platforms	Platforms Enablers/ Proof Concept	3 projects validate 6G technical enablers	1 Europe-wide experimental infrastructure(s) to support SNS program	1 project on integration of microelectronics components	1 project on Telco cloud and service provision enablers
  Stream D Large Scale Trials With Verticals	Applications & services Business ecosystems	4 projects on specific verticals with high economic and societal importance	2 projects focusing on i) Automotive ii) Health, Smart Cities, Farming and Education	2 projects on advanced 5G/6G technologies in/for verticals , with special focus on sustainability	4 projects on (1) Industry/Manufacturing, (2)Media (3)Transportation/Logistics, (4) Emergency Services and (5) Health
		Call 1 240 MM €	Call 2 132 MM €	Call 3 129 MM €	Call 4 & 5 128 MM €

**~618M€ of EU Public Funding
Invested in SNS JU Calls**



Call 1 - Started Jan '23
240M€



Call 2 - Started Jan '24
132M€



Call 3 - Started Jan '25
129M€



Call 4 & 5
To start in 2026
116M€



Bi-Annual Work Programme 2026-27



R&I Programme 2026

January-April

May-September



22 M €

14 M €

~ 256 M €

R&I Programme 2027

January-April 2027



~220 M €

CLUSTER 5: Climate, Energy & Mobility

Clean Hydrogen

Clean Aviation

Single European Sky
ATM Research 3

Europe's Rail

Connected and Automated
Mobility

Batt4EU

Zero-emission
waterborne transport

Zero-emission road
transport

Built4People

Solar Photovoltaics*

Clean Energy Transition

Driving Urban Transitions



CALL 4: LIST OF TOPICS

✈️ SHORT-MEDIUM RANGE

- Demonstration of an **Optimized System Platform** for Ultra-efficient SMR Aircraft
- Demonstration of an **Ultra-Efficient Rear Fuselage** and Empennage and Its Integrated Industrial System enabling EIS2035 for the SMR Aircraft
- Ground Demonstration of **Hybrid-Electric Propulsion Architectures** for the Ultra-efficient SMR aircraft

€ 130 M

⚡ REGIONAL

- Demonstration of an **advanced airframe** for ultra-efficient regional aircraft

€ 40 M

TRANSVERSE ACTIVITIES

- **Hydrogen powered aircraft concept** and key technologies integration and impact assessment
- Demonstration and Validation of **icing Certification Methodologies** compatible with EIS2035 for the SMR and REG Aircraft
- **Operational stakeholders' group** to support the deployment of Clean Aviation aircraft concepts and technologies

€ 18.5 M

H₂ HYDROGEN-POWERED AIRCRAFT

- Demonstration of **advanced FC propulsion techno-bricks** for the fully electric hydrogen fuel cell aircraft concept
- Demonstration of an **integrated hydrogen fuel system** for a fully electric hydrogen fuel cell powered aircraft
- Demonstration of an **advanced Low NOx H₂C Propulsion System** for the direct hydrogen combustion aircraft concept
- Demonstration of a **hydrogen distribution system** for a direct hydrogen combustion propulsion aircraft

€ 101 M

✦ FAST TRACK AREAS

- Demonstration of **low power Ice Protection System** technology
- Demonstration of **cabin acoustic optimization** technology
- **Advanced noise-reducing technologies** for propulsion systems of next generation Ultra-efficient SMR aircraft
- **Key Technologies for Loads Control Lidar** for Ultra-efficient SMR aircraft
- **Cryo-cooled power electronics** for a fully electric hydrogen powered aircraft
- **Superconducting motor windings** for a fully electric hydrogen fuel cell powered aircraft
- Innovative light weight and reliable **liquid hydrogen tank**

€ 40 M



Total EU
€ 329.5 M

finding calls & research partners

- 과제 공고 -



Calls for proposals

Calls for proposals are funding opportunities issued by the European Union institutions, agencies and bodies. These are direct financial contributions, known as grants, that are awarded to third-party beneficiaries (e.g., research organisations, public entities, non-governmental organisations, and private companies) to engage in activities that serve EU policies.

[More details](#)

Filters

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[Programme](#) 

[Call](#) 

[Submission status](#) 

[All filters](#)

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10000+ item(s) found

 There are more than 10000 results, please refine your search criteria.

[Demonstration of hydropower technologies for efficient and forward-looking refurbishment of existing hydropower plants](#)

HORIZON-CL5-2027-07-D3-11 | Calls for proposals

Opening date: **04 August 2027** | Deadline date: **1 December 2027** | Single-stage

 Forthcoming

Programme: **Horizon Europe (HORIZON)** | Type of action: **HORIZON Innovation Actions**

[Delivery of industrial CCUS clusters – Societal Readiness pilot](#)

HORIZON-CL5-2027-07-D3-32 | Calls for proposals

Opening date: **04 August 2027** | Deadline date: **1 December 2027** | Single-stage

 Forthcoming

Programme: **Horizon Europe (HORIZON)** | Type of action: **HORIZON Innovation Actions**

[PV based electrification of the economy: Designing & optimising PV systems supporting industrial electrification and promoting participation in electricity markets \(EUPI-PV Partnership\)](#)

HORIZON-CL5-2027-07-D3-17 | Calls for proposals

Opening date: **04 August 2027** | Deadline date: **1 December 2027** | Single-stage

 Forthcoming

Research and innovation

[Home](#) > [Funding](#) > [Funding opportunities](#) > [Funding programmes and open calls](#) > [Horizon Europe](#) > [Horizon Europe work programmes](#)

Horizon Europe work programmes

What work programmes are, what they cover, download available Horizon Europe work programmes.

PAGE CONTENTS

[Work programmes under Horizon Europe](#)[View available work programmes](#)[Feedback received for the 2025 work programme](#)

Work programmes under Horizon Europe

Work programmes set out funding opportunities under Horizon Europe.

One specific programme under Horizon Europe is implemented through the following:

The main work programme

- Marie Skłodowska-Curie actions and research infrastructures under Pillar I
- all clusters under Pillar II
- European innovation ecosystems under Pillar III
- the part widening participation and strengthening the European Research Area



11 DECEMBER 2025

Horizon Europe Work programme (2026-27) - Cluster 1

English

(1.66 MB - PDF)

[Preview](#)[Download](#)

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Horizon Europe Work programme (2026-27) - Cluster 2

English

(1.46 MB - PDF)

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Horizon Europe Work programme (2026-27) - Cluster 3

English

(1.32 MB - PDF)

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Horizon Europe Work programme (2026-27) - Cluster 4

English

(2.16 MB - PDF)

[Preview](#)[Download](#)

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Horizon Europe Work programme (2026-27) - Cluster 5

English

(2.4 MB - PDF)

[Preview](#)[Download](#)

Cluster 4



EN

Horizon Europe

Work Programme 2026-2027

7. Digital, Industry and Space

(European Commission Decision C(2025) 8493 of 11 December 2025)

Destination: **MATERIALS-PRODUCTION** (재료, 첨단제조)

Leadership in materials and production for Europe

Destination: **DATA** (데이터, 인공지능)

Developing an agile and secure single market and infrastructure for data services
and trustworthy artificial intelligence services

Destination: **DIGITAL-EMERGING** (양자, HPC, AI)

Achieving open strategic autonomy in digital and emerging enabling technologies

Destination: **SPACE** (우주, 지구관측, 위성)

Open Strategic Autonomy in Developing, Deploying and Using Global Space-Based
Infrastructure, Services, Applications and Data

Destination: **HUMAN** (인간중심)

Digital and industrial technologies driving human-centric innovation

① MAT-PROD: (Materials)					
Opening: 22 Sep 2026 / Deadline(s): 2 Feb 2027					
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-16: Technologies for innovative processing of raw materials	IA	49.00/10.00-12.50	4	-	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-17: Expert network on Critical raw materials	CSA	3.00	1	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-22: Innovative advanced materials and new production processes (Inno Advanced Materials for the EU and Processes4Planet partnerships)	IA	36.00/6.00-7.50	6	-	-
① MAT-PROD: (Production)					
Opening: 22 Sep 2026 / Deadline(s): 02 Feb 2027 (1 st stage), 02 Sep 2027 (2 nd stage)					
HORIZON-CL4-2027-02-MATERIALS-PRODUCTION-32: Efficient energy input from renewable sources and energy management (Processes4Planet/Advanced Materials partnership)	IA	52.50/7.00-9.00	8	Lump Sum	-
Opening: 22 Sep 2026 / Deadline(s): 2 Feb 2027					
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-02: Advanced manufacturing for key products (Made in Europe partnership)	IA	36.00/6.00-8.00	6	-	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-03: Factory processes and automation for de- and re-manufacturing (Made in Europe partnership)	RIA	36.00/5.00-6.50	6	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-06: Circular innovative advanced materials:(Innovative Advanced Materials for the EU and Made in Europe partnerships)	RIA	36.00/5.00-6.50	7	Lump Sum	Energy (1)/ Construct (1)
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-08: Textile circularity through advanced processing and (Textiles for the Future partnership)	IA	16.00/4.00-6.00	3	Lump Sum FSTP	
① MAT-PROD: (Tech infra & SME support)					
Opening: 22 Sep 2026 / Deadline(s): 2 Feb 2027					
HORIZON-CL4-2027-01-MATERIALSPRODUCTION-42: Unlocking the potential of academic intellectual assets for industry, SMEs and startups	CSA	2.00/1.00	2	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALSPRODUCTION-47: Pilot access schemes to Technology Infrastructures for European startups, scaleups and innovative SMEs	CSA	5.00/1.50-2.50	2	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALSPRODUCTION-49: 'Proof of market' to improve valorisation and commercialisation of Horizon generated R&I results	IA	5.00/0.20	25	-	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-61: Fast Track to Research and Innovation for breakthroughs in industrial technologies	RIA	20.00/2.50	8	FTRI	-
HORIZON-CL4-2027-01-MATERIALSPRODUCTION-62: Fast Track to Innovation for breakthroughs in the Chemical Industry Action Plan	RIA	15.00/2.50	6	FTRI	-

① MAT-PROD: (Materials)					
Opening: 22 Sep 2026 / Deadline(s): 2 Feb 2027					
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-16: Technologies for innovative processing of raw materials	IA	49.00/10.00-12.50	4	-	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-17: Expert network on Critical raw materials	CSA	3.00	1	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-22: Innovative advanced materials and new production processes (Inno Advanced Materials for the EU and Processes4Planet partnerships)	IA	36.00/6.00-7.50	6	-	-
① MAT-PROD: (Production)					
Opening: 22 Sep 2026 / Deadline(s): 02 Feb 2027 (1 st stage), 02 Sep 2027 (2 nd stage)					
HORIZON-CL4-2027-02-MATERIALS-PRODUCTION-32: Efficient energy input from renewable sources and energy management (Processes4Planet/Advanced Materials partnership)	IA	52.50/7.00-9.00	8	Lump Sum	-
Opening: 22 Sep 2026 / Deadline(s): 2 Feb 2027					
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-02: Advanced manufacturing for key products (Made in Europe partnership)	IA	36.00/6.00-8.00	6	-	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-03: Factory processes and automation for de- and re-manufacturing (Made in Europe partnership)	RIA	36.00/5.00-6.50	6	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-06: Circular innovative advanced materials:(Innovative Advanced Materials for the EU and Made in Europe partnerships)	RIA	36.00/5.00-6.50	7	Lump Sum	Energy (1)/ Construct (1)
HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-08: Textile circularity through advanced processing and (Textiles for the Future partnership)	IA	16.00/4.00-6.00	3	Lump Sum FSTP	
① MAT-PROD: (Tech infra & SME support)					
Opening: 22 Sep 2026 / Deadline(s): 2 Feb 2027					
HORIZON-CL4-2027-01-MATERIALSPRODUCTION-42: Unlocking the potential of academic intellectual assets for industry, SMEs and startups	CSA	2.00/1.00	2	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALSPRODUCTION-47: Pilot access schemes to Technology Infrastructures for European startups, scaleups and innovative SMEs	CSA	5.00/1.50-2.50	2	Lump Sum	-
HORIZON-CL4-2027-01-MATERIALSPRODUCTION-49: 'Proof of market' to improve valorisation and commercialisation of Horizon generated R&I results	IA	5.00/0.20	25	-	-
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HORIZON-CL4-2027-01-MATERIALSPRODUCTION-62: Fast Track to Innovation for breakthroughs in the Chemical Industry Action Plan	RIA	15.00/2.50	6	FTRI	-

② DATA

Opening: 17 Nov 2026 / Deadline(s): 18 Mar 2027

HORIZON-CL4-2027-04-DATA-08: Demandside 3C pilot demonstrators on converged Telco Edge Cloud Infrastructure	IA	38.00/19.00	2	-	Protection of ECN
HORIZON-CL4-2027-04-DATA-03: New approaches for decentralized, federated and sustainable AI data processing	RIA	35.00/17.50	2	-	Protection of ECN
HORIZON-CL4-2027-04-DATA-09: Energy efficiency and sustainability of AI data processing in Data Centres	IA	39.00/10.00	3	-	Protection of ECN China(x)

Horizontal activities --- AI in science (RAISE)

Opening: 22 Sep 2026 / Deadline(s): 02 Feb 2027

HORIZON-RAISE-2027-01-01: Automated Scientific Discovery (RAISE pilot)	RIA	29.00/10.00	3	-	
HORIZON-RAISE-2027-01-02: Automated Scientific Discovery – Food (RAISE pilot)	RIA	3.00/3.00	1	-	

② DATA

Opening: 17 Nov 2026 / Deadline(s): 18 Mar 2027

HORIZON-CL4-2027-04-DATA-08: Demandside 3C pilot demonstrators on converged Telco Edge Cloud Infrastructure	IA	38.00/19.00	2	-	Protection of ECN
HORIZON-CL4-2027-04-DATA-03: New approaches for decentralized, federated and sustainable AI data processing	RIA	35.00/17.50	2	-	Protection of ECN
HORIZON-CL4-2027-04-DATA-09: Energy efficiency and sustainability of AI data processing in Data Centres	IA	39.00/10.00	3	-	Protection of ECN China(x)

Horizontal activities --- AI in science (RAISE)

Opening: 22 Sep 2026 / Deadline(s): 02 Feb 2027

HORIZON-RAISE-2027-01-01: Automated Scientific Discovery (RAISE pilot)	RIA	29.00/10.00	3	-	
HORIZON-RAISE-2027-01-02: Automated Scientific Discovery – Food (RAISE pilot)	RIA	3.00/3.00	1	-	

③ DIGITAL-EMERGING: (AI)					
Opening: 17 Nov 2026 / Deadline(s): 18 Mar 2027					
HORIZON-CL4-2027-04-DIGITAL-EMERGING-04: Apply AI: Challenge-Driven AI Innovation Booster in Apply AI prioritized sectors (ADRA partnership)	RIA	42.00/14.00	3	FSTP	Protection of ECN
HORIZON-CL4-2027-04-DIGITAL-EMERGING-05: Apply AI: AI-Driven Robotics for Industry: Enabling System Integration and Adoption (ADRA partnership)	IA	18.00	1	-	Protection of ECN
HORIZON-CL4-2027-04-DIGITAL-EMERGING-06: International cooperation in AI	IA	3.00/1.50	2	Lump Sum	Protection of ECN
HORIZON-CL4-2027-04-DIGITAL-EMERGING-11: EU Frontier AI Initiative: Developing frontier AI solutions that are safe and computationally efficient within Apply AI	RIA	44.00	1	-	Protection of ECN

③ DIGITAL-EMERGING: (Photonics)					
Opening: 17 Nov 2026 / Deadline(s): 18 Mar 2027					
HORIZON-CL4-2027-05-DIGITAL-EMERGING-03: Advanced integrated photonic devices for extended features and ultra-low power consumption (Photonics Partnership)	RIA	25.00/3.00-5.00	6	Lump Sum	-

③ DIGITAL-EMERGING: (Other emerging technologies)					
Opening: 17 Nov 2026 / Deadline(s): 18 Mar 2027					
HORIZON-CL4-2027-04-DIGITAL-EMERGING-10: Horizon scanning and foresight in future enabling digital technologies	CSA	4.00	1	Lump Sum	Protection of ECN

③ DIGITAL-EMERGING: (AI for manufacturing & energy-intensive industry)					
Opening: 22 Sep 2026 / Deadline(s): 02 Feb 2027 (1 st stage), 02 Sep 2027 (2 nd stage)					
HORIZON-CL4-2027-02-DIGITAL-EMERGING-52: New approaches for Human/AI collaboration for the workforce of the future (Made in Europe, ADRA partnerships)	RIA	30.00/4.00-6.00	5	Lump Sum	-

④ SPACE: (Indirectly managed actions)

Opening: 14 Oct 2026 / Deadline(s): 17 Feb 2027

(EUSPA.1 - Applications for EGNSS and for Copernicus) HORIZON-2027-EUSPA-SPACE-51: Galileo and Copernicus contribution to the EU Preparedness Union Strategy	IA	0.89/0.80-0.98	1	Lump Sum	Crisis/ Security practitioner (2)
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⑤ HUMAN: (Virtual worlds)

Opening: 17 Nov 2026 / Deadline(s): 18 Mar 2027

HORIZON-CL4-2027-04-HUMAN-01: Advanced and Innovative hardware components for Virtual Worlds (Virtual Worlds Partnership)	RIA	39.00/4.80-5.60	8	-	Protection of ECN
HORIZON-CL4-2027-04-HUMAN-02: Create a thriving and competitive Virtual Worlds and Web 4.0 ecosystem (Virtual Worlds Partnership)	CSA	3.00	1	-	Protection of ECN

⑤ HUMAN: (Standardization)

Opening: 17 Nov 2026 / Deadline(s): 18 Mar 2027

HORIZON-CL4-2027-04-HUMAN-07: Facilitate the engagement of European stakeholders in international digital standardisation	CSA	7.00	1	FSTP/ Lump Sum	-
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Info Days 공고설명회

Upcoming info days



Info days

Horizon Europe info days—Cluster 4

📅 Wednesday 14 October 2026, 09:00 -
Thursday 15 October 2026, 17:00 (CEST)
📍 Online only
📺 Live streaming available



Info days

Horizon Europe info days—Cluster 5

📅 Thursday 19 November 2026, 09:30 - 17:00
(CET)
📺 Live streaming available



Info days

Horizon Europe info days—Cluster 1

📅 Thursday 26 November 2026, 09:00 - 17:00
(CET)
📍 Online only
📺 Live streaming available

Past info days



Info days

Horizon Europe - Marie Skłodowska-Curie Actions (MSCA) Doctoral Networks 2026 - Call info day

📅 Wednesday 3 June 2026,
09:30 - 12:30 (CEST)
📍 Online only
📺 Live streaming available



Info days

Horizon Europe info day—Cluster 2

📅 Thursday 26 March 2026,
09:30 - 16:00 (CET)
📍 Online only
📺 Live streaming available



Info days

Horizon Europe Research Infrastructures info day

📅 Wednesday 18 March 2026,
10:00 - 14:00 (CET)
📍 Online only
📺 Live streaming available



Info days

Horizon Europe info days—Cluster 3

📅 Wednesday 4 March 2026,
09:00 - 17:30 (CET)
📍 Brussels, Belgium
📺 Live streaming available

Horizon Europe info days—Cluster 4: Digital, Industry and Space

📅 14 October 2026 - 16 October 2026 ⌚ 16:00 (GMT+09:00)



Horizon Europe info days—Cluster 4: Digital, Industry and Space

Day 1 (14 October, 09:00-16:00): Plenary, digital and space topics

Day 2 (15 October, 09:00-16:30): Industry topics and horizontal aspects

Brokerage events

Main topics covered:

- Advanced manufacturing
- Raw materials
- Key digital technologies including quantum technologies
- Emerging enabling technologies
- Advanced materials
- Artificial intelligence and robotics
- Next generation internet
- Advanced computing and big data
- Circular industries
- Low carbon and clean industries
- Space including earth observation



Horizon Europe Cluster 4 Digital Matchmaking Platform

[Register now](#)



Registration open until 31 Dec 2026

Welcome to the matchmaking platform for Horizon Europe Cluster 4 Digital Calls!

Find your collaboration partners for EU projects in the digital domain of Cluster 4 here!

- [HORIZON-CL4-2027-04-DATA-...](#)
- [HORIZON-CL4-2027-04-DIGITAL-EMERGING-...](#)
- [HORIZON-CL4-2027-05-DIGITAL-EMERGING-...](#)
- [HORIZON-CL4-2027-04-HUMAN-...](#)

nce to connect with like-minded professionals, researchers, and innovators from across Europe. Whether you're
for Horizon Europe Cluster 4 calls or simply looking to expand your network in that community, our matchmaking
spark meaningful conversations and foster new collaborations.

portunity to turn ideas into action! Register now and take the first step towards building your next big partnership!

KETs2026 reloaded

Register now



Registration open until 31 Dec 2026

KETs2026 reloaded – EU brokerage event September 24, 2026 (and beyond) | online



Federal Ministry
of Research, Technology
and Space



NCP DIT



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ET DE LA RECHERCHE

horizon
europepcn
Industrie

bpi**france**



Steinbeis
Europa Zentrum
Enabling Innovators to Grow



Grand Est
Développement

Four thematic pitching sessions:

- manufacturing, circularity & energy-intensive industries (cluster 4)
- raw materials & advanced materials (cluster 4)
- artificial intelligence & ICT (cluster 4)
- energy storage (cluster 5) & bioeconomy (cluster 6)



Korea-EU Horizon Europe Researchers Consulting Forum

on Cluster 3 & Cluster 6



30 June – 1 July 2026



Thon Hotel EU,
Rue de la Loi 75, 1040 Bruxelles



Cluster 3
Civil Security for Society
Cybersecurity
Critical Infrastructure
Disaster Resilience



Cluster 6
Food, Bioeconomy, Natural
Resources & Environment
Sustainable Agriculture
Biodiversity
Circular Bioeconomy



Korea-EU Horizon Europe Researchers Consulting Forum

on Cluster 4 - Digital, Industry and Space

Date: 15-16 September 2026

Venue: Thon Hotel EU (Rue de la Loi 75, 1040 Bruxelles)

DAY 1

Pitching & Consortium Building

DAY 2

Consortium Building & Consulting



submission & evaluation



✦ Writing proposal

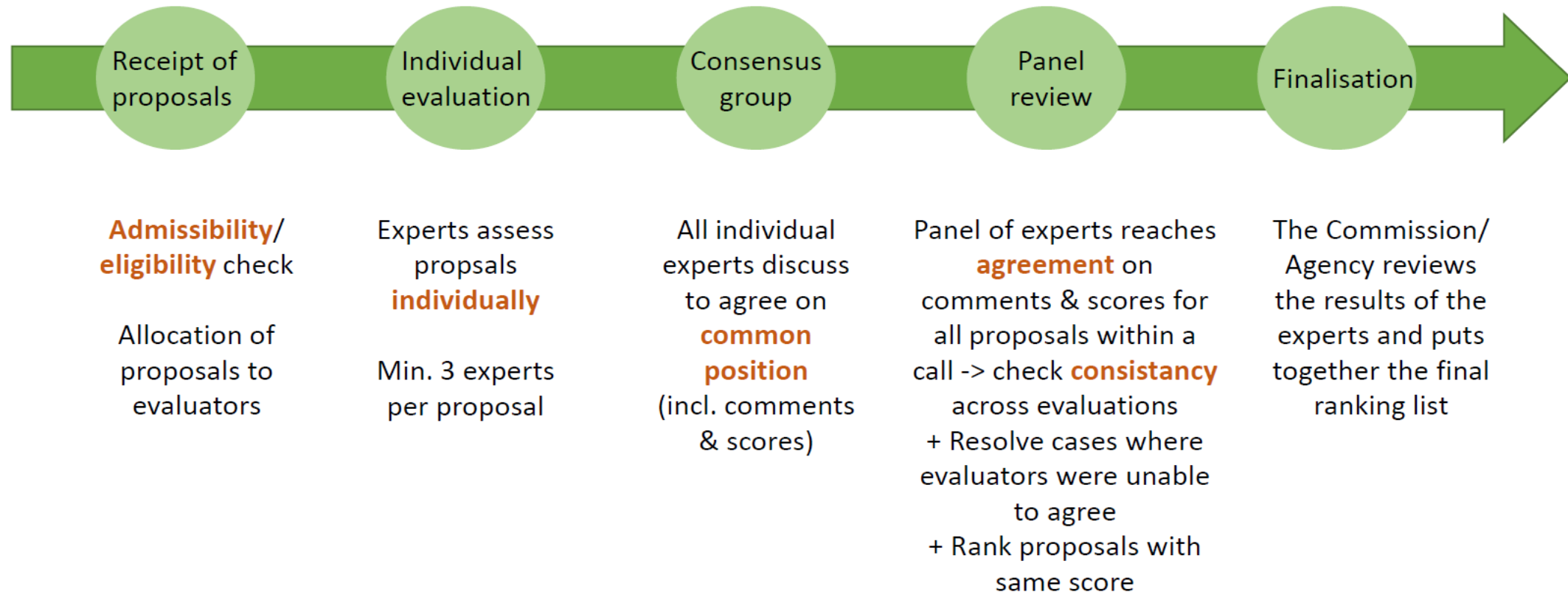
evaluation criteria



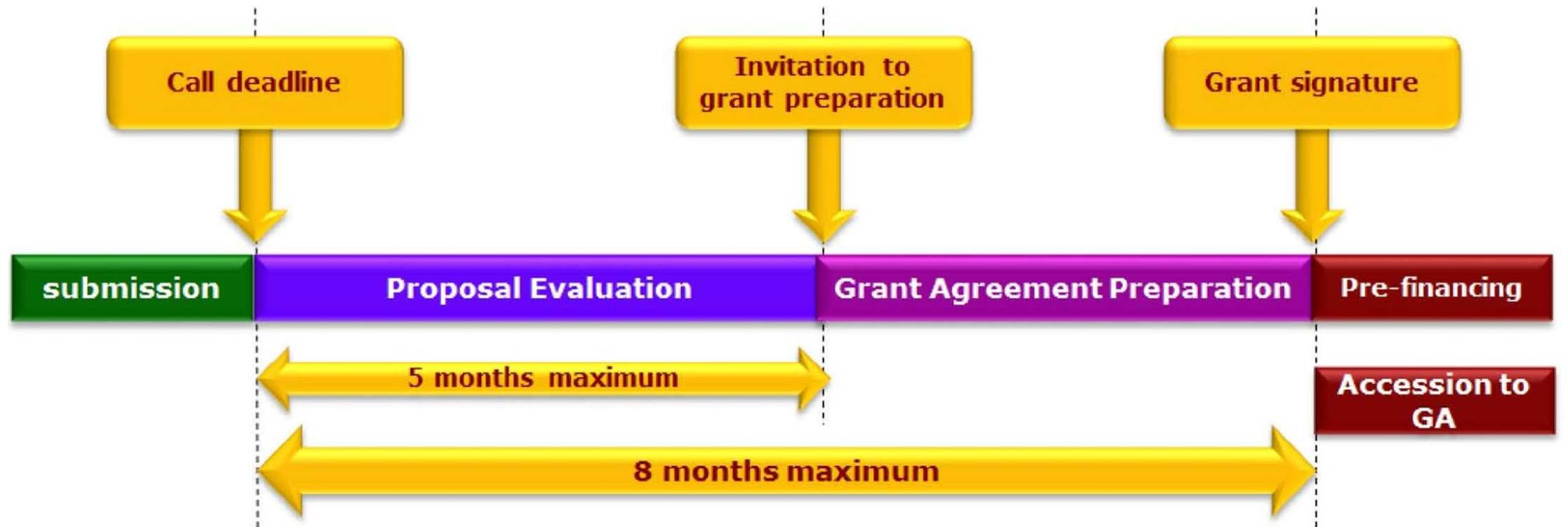
Administrative form (Part A - generated by the IT system)	Technical part –Section 1 Excellence (Part B)	Technical part – Section 2 Impact (Part B)	Technical part – Section 3 Quality and efficiency of the implementation' (Part B)
- General information including proposal title, duration in months, fixed and free keywords Abstract - Participants and organisation data - Budget for the proposal - Ethics & security	1.1 Objectives and ambition (eg 4 pages) 1.2 Methodology (eg 15 pages)	2.1 Project's pathways towards impact (eg 4 pages) 2.2 Measures to maximise impact – dissemination, exploitation and communication 2.3 Summary – Impact canvas => (2.2 + 2.3 e.g. 5 pages)	3.1 Work plan and resources - List of work packages - Work package description - List of deliverables - List of milestones - Critical risks for implementation - Summary of staff effort - Subcontracting cost items - Purchase cost items - Other cost categories items - In-kind contributions 3.2 Capacity of participants and consortium as a whole

Evaluation process

Standard evaluation process



🔑 from submission to GA (single stage)



Thank You!

