



HORIZON EUROPE

THE EU
RESEARCH &
INNOVATION
PROGRAMME 2021 – 27

RESEARCH
AND
INNOVATION



PROPOSAL WRITING CAMP

Overview of Horizon Europe Work Programmes 2023 - 2024



PILLAR 1. EXCELLENT SCIENCE

- **European Research Council (ERC):**
Frontier research by the best researchers and their teams
- **Marie Skłodowska-Curie Actions (MSCA):**
Equipping researches with new knowledge and skills through mobility and training
- **Research Infrastructures (RI):**
Integrated and inter-connected world-class research infrastructures



TIMELINE OF PILLAR 1 APPLICATIONS 2023 - 2024



WORK PROGRAMME		2023												2024												2025
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
PILLAR I EXCELLENT SCIENCE																										
ERC	Starting grant																									
	Consolidator Grant		2.02																							
	Advanced Grant					23.05																				
	Synergy Grant																									
MSCA	Doctoral Networks					30.05						28.11						29.05						27.11		
	Postdoctoral Fellowships				12.04					13.09								10.04					11.09			
	Staff Exchanges											5.1					28.02							10.1	5.03	
	COFUND											10.1					8.02							8.1	6.02	
	MSCA and Citizens						20.06					25.1														
	MSCA Support				7.03			6.06												14.05				4.09		14.01

PILLAR 2 – CLUSTERS. GLOBAL CHALLENGES AND INDUSTRIAL COMPETITIVENESS

- 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



TIMELINE OF PILLAR 2 APPLICATIONS 2023 - 2024



WORK PROGRAMME		2023												2024												
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
PILLAR II GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS																										
Clusters	Health single stage	12.01			13.04						26.10															
	Health two stage			30.03						19.9/1																
	Culture, creativity and society			14.03						21.09	4.1					7.02										
	Civil Security for Society						29.06						23.11							27.06						20.11
	Digital, industry and space one stage			29.03	20.04											7.20.2	19.03									
	Digital, industry and space two stage			7.3/1							19.09	5.10/2				7.2/1										24.9/2
	Climate, energy, mobility			30.03	18,20.4						5,12.9			7.12					18.04	7.05						5.09
	Food, bio, natural resources, agri single stage			28.03								17.1				22.02										
	Food, bio, natural resources, agri two stage			28.3/1							26.9/2	17.1				22.2/1										17.9(2)

Clusters In 'Global Challenges And Industrial Competitiveness'

CLUSTERS

AREAS OF INTERVENTION

HEALTH

- Health throughout the life course
- Non-communicable and rare diseases
- Tools, technologies and digital solutions for health and care
- Environmental and social health determinants
- Infectious diseases
- Health care systems

CULTURE, CREATIVITY AND INCLUSIVE SOCIETY

- Democracy
- Social and economic transformations
- Cultural, cultural heritage and creativity
- Disaster-resilient societies
- Cybersecurity

CIVIL SECURITY FOR SOCIETY

- Disaster-resilient societies
- Protection and Security
- Cyber security

DIGITAL, INDUSTRY AND SPACE

- Manufacturing technologies
- Advanced materials
- Next generation internet
- Circular industries
- Space, including Earth Observation
- Key digital technologies
- Artificial intelligence and robotics
- Advanced computing and Big Data
- Low carbon and clean industry
- Emerging enabling technologies

CLIMATE, ENERGY AND MOBILITY

- Climate science and solutions
- Energy systems and grids
- Communities and cities
- Industrial competitiveness in transport
- Smart mobility
- Energy supply
- Buildings and industrial facilities in energy transition
- Clean, safe and accessible transport and mobility
- Energy storage

FOOD, BIO, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

- Environmental observation
- Agriculture, forestry and rural areas
- Food systems
- Circular systems
- Biodiversity and natural capital
- Sea, oceans and inland waters
- Bio-based innovation systems in the EU Bioeconomy

Examples of cluster 6 topics in 2024

Deadlines mostly on February 22, 2024, in case of two-stage proposal the 2nd phase deadline on September 17:

- HORIZON-CL6-2024-FARM2FORK-01-2:
New healthy and sustainable **food products** and processes - RIA
- HORIZON-CL6-2024-CircBio-02-5-two-stage:
Circular design of **bio-based processes and products** - RIA
- HORIZON-CL6-2024-CircBio-02-6-two-stage:
From silos to diversity – small-scale **bio-based demonstration pilots** – IA
- HORIZON-CL6-2024-CircBio-02-1-two-stage:
Circular solutions for **textile value chains** through innovative sorting, recycling, and design for recycling - RIA
- HORIZON-CL6-2024-CircBio-01-5: Programmed **biodegradation capability of bio-based materials and products**, validated in specific environments - RIA
- HORIZON-CL6-2024-GOVERNANCE-01-2: Regional **ecosystems of innovation to foster food system transformation** - CSA, deadline on **February 28**, 2024

Further calls in 2024

- **Digital and industry**: the deadlines are mostly in February 2024
- **Health**: deadlines are in April 2024 (topics: pandemic preparedness, bioprinting, competitiveness of health technologies)
- **ERA Chairs**: March 2024
- **ERA Talents**: September 2024

PILLAR 3. INNOVATIVE EUROPE

- **European Innovation Council (EIC):**
Support to innovations with breakthrough and market creating potential
 - EIC Pathfinder
 - EIC Transition
 - EIC Accelerator
- **European innovation ecosystems:**
Connecting with regional and national innovation actors (Work Programme with topics)



TIMELINE OF PILLAR 3 APPLICATIONS 2023 - 2024



WORK PROGRAMME		2023												2024												2025
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
PILLAR III INNOVATIVE EUROPE																										
EIC	EIC Pathfinder & Open Challenges	10.01		7.03			20.06					18.1														
	EIC Transition				12.04					27.09																
	EIC Accelerator	11.01		22.03			7.06				4.1															
	European Innovation Ecosystems			22,23.3			8.06			21.09				11.01			25.04		6.06			19.09				

HORIZONTAL: WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening Participation and Spreading Excellence

European Institute of Technology



Widening Participation and Spreading Excellence

	OBJECTIVE	APPLICANT	WHEN	OTHER CONDITIONS
Teaming	<ul style="list-style-type: none"> Establishing new centers of excellence or modernising existing ones with the help of leading European partnering institutions 	<ul style="list-style-type: none"> Main applicant (Uni, R&D, governmental or funding) + at least one partner from another MS as advanced partner 	1st phase: 12.4.2023 2nd phase: 7.3.2024	<ul style="list-style-type: none"> Call budget 174 mln € 8-15 mln € + equal size complementary funding 18 projects to be funded
Twinning	<ul style="list-style-type: none"> Enhance networking activities between the research institutions of the Widening countries and top-class leading counterparts 	<ul style="list-style-type: none"> Research institution from Widening country + at least two research institutions from two different MS or AC 	28.9.2023	<ul style="list-style-type: none"> Call budget 140 mln € 0,8-1,5 mln € for max 3 years 100 projects to be funded
Excellence hubs	<ul style="list-style-type: none"> Strengthen regional innovation excellence in placed based innovation ecosystems by cross-border collaboration on a common strategy and/or alongside value adding chains. 	<ul style="list-style-type: none"> At least two different place-based R&I ecosystems (academic + business + public + societal actors), in at least two different countries eligible to host the coordinator under the widening part of HE 	7.3.2024	<ul style="list-style-type: none"> Call budget 60 mln € 2-6 mln € 12 projects to be funded
Era Chairs	<ul style="list-style-type: none"> Attracting in a sustainable manner outstanding scientists and innovators to universities or research organisations in catching up countries and regions 	<ul style="list-style-type: none"> Novelty: applications by two parties (coordinator and partner organisation) 	7.3.2024	<ul style="list-style-type: none"> Call budget 97 mln € 1,5-2,5 mln € for max 5 years 45 projects to be funded
Era Talents	<ul style="list-style-type: none"> Cross-border mobility of excellent researchers either to or between EU MS or Horizon Europe AC 	<ul style="list-style-type: none"> One legal entity from Widening country 	26.9.2024	<ul style="list-style-type: none"> Call budget 40 mln € 1-3 mln € 20 projects to be funded

Widening Participation and Spreading Excellence

	OBJECTIVE	APPLICANT	WHEN	OTHER CONDITIONS
Pathways to Synergies	<ul style="list-style-type: none"> Improved and more systematic synergies between Horizon Europe and Horizon 2020, and ERDF, IPA, RRF, INTERREG or similar funding instruments through internationalization, <u>valorisation</u> and technology uptake. 	<ul style="list-style-type: none"> Consortia applying for funding under pathway a) should be composed of a core group of at least three different public or private research entities established in at least two different Widening countries that were beneficiaries from ERDF, RRF or similar investments for R&I including infrastructure in the current or previous programming period. 	28.3.2023 - 28.9.2024	<ul style="list-style-type: none"> Call budget 20 mln € 0,5-1,2 mln € EU contribution per project 20 projects to be funded
Dissemination and Exploitation Support	<ul style="list-style-type: none"> Strengthened dissemination and Exploitation capacities including through better understanding of the Commission's D&E Strategy and the opportunities it can offer to beneficiaries in need from widening actions; Support to beneficiaries in their dissemination and exploitation of results through a market-oriented approach. 	<ul style="list-style-type: none"> The consortium should establish a facility including training, upskilling, entrepreneurship, access to capital, best practice sharing, knowledge exchange and community of practice building for beneficiaries of the Widening countries with a first priority to beneficiaries of ongoing or completed widening projects funded under Horizon 2020 or Horizon Europe. 	26.3.2023 - 28.9.2023	<ul style="list-style-type: none"> Call budget 5 mln € 1-5 mln € EU contribution per project 1 project expected to be funded
European Excellence Initiative	<ul style="list-style-type: none"> Excellent and sustainable place-based R&I ecosystems in Widening countries and beyond in relevant domains of cutting-edge science and innovation; Long term joint R&I strategies underpinned by concrete action plans of European relevance; 	<ul style="list-style-type: none"> Ecosystems or individual partners from outside the Widening countries may participate in the consortium as long as they prove added value by facilitating access to excellence for the Widening countries. 	10.1.2023 - 12.4.2023	<ul style="list-style-type: none"> Call budget 60 mln € 2-6 mln € EU contribution per project 12 projects expected to be funded

Widening Participation and Spreading Excellence

	OBJECTIVE	APPLICANT	WHEN	OTHER CONDITIONS
ERA Fellowships	<ul style="list-style-type: none"> Increased set of research and transferable skills and competences, leading to improved employability and career prospects of fellows within academia and beyond; Increased alignment of working conditions for researchers in accordance with the principles set out in the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers. 	<ul style="list-style-type: none"> Fellowships should be provided to excellent researchers, undertaking cross-border mobility. Applications must be made jointly by the researcher together with a legal entity in the academic or non-academic sector located in a Widening Country. In order to apply for the ERA Fellowships call, applicants must submit their proposal to the MSCA Postdoctoral Fellowships 2023. 	<p>12.4.2023 - 13.9.2023</p> <p>10.4.2024 - 11.9.2024</p>	<ul style="list-style-type: none"> Call budget 8 mln € 50 projects expected to be funded
HOP-ON	<ul style="list-style-type: none"> At system level, it mobilises excellence in the Widening countries, increases visibility of the participants from the Widening countries, improves knowledge circulation, and reduces lack of participation of the Widening countries in specific thematic domains; At organisation level, it opens up silos of established closed consortia, improves research excellence of the Widening country's institutions in specific fields, enlarges outreach of the participants' R&I actions and provides access to new talent pools; 	<ul style="list-style-type: none"> The Hop On Facility integrates one additional participant from a Widening country to an ongoing project under Pillar 2 or the EIC pathfinder scheme while topping up a relevant task or WP and the cost incurred by the additional participant 	<p>10.1.2023 - 28.9.2023</p> <p>11.4.2024 - 26.9.2024</p>	<ul style="list-style-type: none"> Call budget 40 mln € 0,1-0,6 mln € 160 projects to be funded
Enhancing the European R&I System	<ul style="list-style-type: none"> Identification of common research and innovation priorities agreed among the participating national and regional R&I programmes, taking into account international developments where relevant and leading to the development of coordinated R&I funding agendas. 	<ul style="list-style-type: none"> Applicants should demonstrate clear commitments from participating programmes to pool resources and ensure complementarity between activities and policies with those of the Framework Programme and relevant European Partnerships 	<p>2022 - 9.3.2023</p> <p>06.12.2023 - 12.4.2024</p>	<ul style="list-style-type: none"> Call budget 34,7 mln € 1,5-5 mln € 17 projects to be funded

Proposal Writing Camp

Calls selected for the group work



Fair, healthy and environmentally-friendly food systems from primary production to consumption

[HORIZON-CL6-2024-FARM2FORK-01-2](#)

Deadline: 22 February 2024 17:00 Brussels time

Budget: 5 million euros per project

Type of action: Research and Innovation Actions

Expected outcomes:

- New knowledge that the food industry can use in the design of new healthy and sustainable food products and processes to improve health and well-being of EU and Associated Countries citizens and with low impact on the environment/climate.
- Alignment in goals of consumers and food solution providers with more healthy, tasty, minimally processed, affordable and sustainable food.
- New market and job opportunities for sustainable food SMEs and industries.

Past, present and future of democracies

[HORIZON-CL2-2024-DEMOCRACY-01-04](#)

Deadline: 7 February 2024 17:00 Brussels time

Budget: 2-3 million euros per project

Type of action: Research and Innovation Actions

Expected outcomes:

- Provide a comprehensive analysis of the interrelations between social, cultural and political identities, the sense of belonging and identification with a group, and democracy, including in matters of political representation, participation and trust. This includes considering the intersecting, fluid and fragmented dimension of identities and their relation to the need to belong as well as values.
- Build on findings to formulate policy recommendations to address, prevent and correct negative trends, including piloting of strategies and frameworks to prevent discrimination, marginalisation and alienation. Insights on how to contribute to encompassing identities with concrete policy recommendations are highly encouraged.
- Develop critical insights into the ways in which processes of social, cultural and political participation can contribute to further fostering the sense of belonging/ownership to local, national and European democratic institutions and processes, or the diffusion of antagonistic identities or social norms.

Questions and discussion



Thank you!

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<http://ec.europa.eu/horizon-europe>

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