



# Horizonte Europa

## Pilar 2. Retos Globales y Competitividad Industrial Europea

### Cluster 4 Digital, Industry and Space

#### DESTINATION 1 – CLIMATE NEUTRAL, CIRCULAR AND DIGITISED PRODUCTION

	Acción	Fecha cierre	Presupuesto por propuesta ( M€)	Número de proyectos a financiar*	
Call - TWIN GREEN AND DIGITAL TRANSITION 2024	HORIZON-CL4-2024-TWIN-TRANSITION-01-03: Manufacturing as a Service: Technologies for customised, flexible, and decentralised production on demand (Made in Europe Partnership) (RIA)	RIA	07/02/2024	5 a 7	5
	HORIZON-CL4-2024-TWIN-TRANSITION-01-05: Technologies/solutions to support circularity for manufacturing (Made in Europe Partnership) (RIA)	RIA	07/02/2024	4 a 6	6
	HORIZON-CL4-2024-TWIN-TRANSITION-01-32: Optimisation of thermal energy flows in the process industry (Processes4Planet partnership) (IA)	IA	07/02/2024	10 a 15	2
	HORIZON-CL4-2024-TWIN-TRANSITION-01-34: Renewable hydrogen used as feedstock in innovative production routes (Processes4Planet Partnership) (RIA)	RIA	07/02/2024	8 a 10	2
	HORIZON-CL4-2024-TWIN-TRANSITION-01-35: Turning CO2 emissions from the process industry to feedstock (Processes4Planet partnership) (IA)	IA	07/02/2024	10 a 15	2
	HORIZON-CL4-2024-TWIN-TRANSITION-01-38: Hubs for circularity for industrialised urban peripheral areas (Processes4Planet partnership) (IA)	IA	07/02/2024	15 a 20	2
	HORIZON-CL4-2024-TWIN-TRANSITION-01-41: Breakthroughs to improve process industry resource efficiency (Processes4Planet partnership) (RIA)	RIA	07/02/2024	10 a 12	3
	HORIZON-CL4-2024-TWIN-TRANSITION-01-44: Digital transformation and ensuring a better use of industrial data, which can optimise steel supply chains (Clean Steel Partnership) (IA)	IA	07/02/2024	3 a 5	2
	HORIZON-CL4-2024-TWIN-TRANSITION-01-46: CO2-neutral steel production with hydrogen, secondary carbon carriers and electricity OR innovative steel applications for low CO2 emissions (Clean Steel Partnership) (RIA)	RIA	07/02/2024	3 a 5	4
Call - TWIN GREEN AND DIGITAL	HORIZON-CL4-2024-TWIN-TRANSITION-01-01: Bio-intelligent manufacturing industries (Made in Europe Partnership) (RIA)	RIA	07/02/2024, 24/09/2024	4 a 5	5

TRANSITION 2024 TWO STAGE	HORIZON-CL4-2024-TWIN-TRANSITION-01-12: Enhanced assessment, intervention and repair of civil engineering infrastructure (RIA)	RIA	07/02/2024, 24/09/2024	5 a 6	2
<u>DESTINATION 2 – INCREASED AUTONOMY IN KEY STRATEGIC VALUE CHAINS FOR RESILIENT INDUSTRY</u>		<b>Acción</b>	<b>Fecha cierre</b>	<b>Presupuesto por propuesta ( M€)</b>	<b>Número de proyectos a financiar*</b>
Call - RESILIENT VALUE CHAINS 2024 TWO STAGE	HORIZON-CL4-2024-RESILIENCE-01-35: Biodegradable polymers for sustainable packaging materials (IA)	IA	07/02/2024, 24/09/2024	6 a 8	4
	HORIZON-CL4-2024-RESILIENCE-01-36: Advanced biomaterials for the Health Care (IA)	IA	07/02/2024, 24/09/2024	6 a 8	4
Call - RESILIENT VALUE CHAINS 2024	HORIZON-CL4-2024-RESILIENCE-01-01: Exploration of critical raw materials in deep land deposits (RIA)	RIA	07/02/2024	5	4
	HORIZON-CL4-2024-RESILIENCE-01-04: Technologies for processing and refining of critical raw materials (IA)	IA	07/02/2024	7,3	3
	HORIZON-CL4-2024-RESILIENCE-01-08: Rare Earth and magnets innovation hubs (IA)	IA	07/02/2024	16	2
	HORIZON-CL4-2024-RESILIENCE-01-10: Addressing due diligence requirements in raw materials supply chains. (CSA)	CSA	07/02/2024	2,2	1
	HORIZON-CL4-2024-RESILIENCE-01-11: Technologies for extraction and processing of critical raw materials (IA)	IA	07/02/2024	7,5	2
	HORIZON-CL4-2024-RESILIENCE-01-24: Development of safe and sustainable by design alternatives (IA)	IA	07/02/2024	12 a 15	4
	HORIZON-CL4-2024-RESILIENCE-01-41: 'Innovate to transform' support for SME's sustainability transition (CSA)	CSA	07/02/2024	5	2
<u>DESTINATION 3 – WORLD LEADING DATA AND COMPUTING TECHNOLOGIES</u>		<b>Acción</b>	<b>Fecha cierre</b>	<b>Presupuesto por propuesta ( M€)</b>	<b>Número de proyectos a financiar*</b>
Call - WORLD LEADING DATA AND COMPUTING TECHNOLOGIES 2024	HORIZON-CL4-2024-DATA-01-01: AI-driven data operations and compliance technologies (AI, data and robotics partnership) (IA)	IA	19/03/2024	8 a 10	4
	HORIZON-CL4-2024-DATA-01-03: Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)	IA	19/03/2024	20 a 25	2
	HORIZON-CL4-2024-DATA-01-05: Platform Building, standardisation and Up-scaling of the 'Cloud-Edge-IoT' Solutions (Horizontal Activities - CSA)	CSA	19/03/2024	2	1
<u>DESTINATION 4 – DIGITAL AND EMERGING TECHNOLOGIES FOR COMPETITIVENESS AND FIT FOR THE GREEN DEAL</u>		<b>Acción</b>	<b>Fecha cierre</b>	<b>Presupuesto por propuesta ( M€)</b>	<b>Número de proyectos a financiar*</b>

Call - Digital and emerging technologies for competitiveness and fit for the green deal 2024	HORIZON-CL4-2024-DIGITAL-EMERGING-01-03: Novel paradigms and approaches, towards AI-powered robots– step change in functionality (AI, data and robotics partnership) (RIA)	RIA	19/03/2024	8	4
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-04: Industrial leadership in AI, Data and Robotics boosting competitiveness and the green transition (AI Data and Robotics Partnership)	IA	19/03/2024	10	5
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-22: Fundamentals of Software Engineering (RIA)	RIA	19/03/2024	4 a 6	4
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-54: Smart photonics for joint communication & sensing and access everywhere (Photonics Partnership) (RIA)	RIA	19/03/2024	3 a 5	4
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-55: Photonics Innovation Factory for Europe (Photonics Partnership) (IA)	IA	19/03/2024	15	1
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-21: Open Source for Cloud/Edge to support European Digital Autonomy (RIA)	RIA	19/03/2024	4 a 6	4
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-23: Public recognition scheme for Open Source (CSA)	CSA	19/03/2024	2	1
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-31: Pilot line(s) for 2D materials- based devices (RIA)	RIA	19/03/2024	33	1
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-34: Synergy with national and regional initiatives in Europe (CSA)	CSA	19/03/2024	3	1
	HORIZON-CL4-2024-DIGITAL-EMERGING-01-42: Stimulating transnational research and development of next generation quantum technologies, including basic theories and components (Cascading grant with FSTP)	RIA	19/03/2024	15	1
HORIZON-CL4-2024-DIGITAL-EMERGING-01-45: Quantum sensing and metrology for market uptake (IA)	IA	19/03/2024	4 a 5	3	
<b>DESTINATION 5 – OPEN STRATEGIC AUTONOMY IN DEVELOPING, DEPLOYING AND USING GLOBAL SPACE-BASED INFRASTRUCTURES, SERVICES, APPLICATIONS AND DATA</b>		<b>Acción</b>	<b>Fecha cierre</b>	<b>Presupuesto por propuesta ( M€)</b>	<b>Número de proyectos a financiar*</b>
Call - STRATEGIC AUTONOMY IN DEVELOPING, DEPLOYING AND	HORIZON-CL4-2024-SPACE-01-35: Copernicus for Land and Water	RIA	20/02/2024	1,5 a 2	2
	HORIZON-CL4-2024-SPACE-01-36: Copernicus for Security	RIA	20/02/2024	4	2

USING GLOBAL SPACE-BASED INFRASTRUCTURES, SERVICES, APPLICATIONS AND DATA 2024	HORIZON-CL4-2024-SPACE-01-64: Quantum Space Gravimetry Phase-B study & Technology Maturation	RIA	20/02/2024	14	1
	HORIZON-CL4-2024-SPACE-01-73: Space technologies for European non-dependence and competitiveness	RIA	20/02/2024	2 a 3	7
<b><u>DESTINATION 6 – A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES</u></b>		<b>Acción</b>	<b>Fecha cierre</b>	<b>Presupuesto por propuesta ( M€)</b>	<b>Número de proyectos a financiar*</b>
Call - A human-centred and ethical development of digital and industrial technologies 2024	HORIZON-CL4-2024-HUMAN-01-06: Explainable and Robust AI (AI Data and Robotics Partnership) (RIA)	RIA	19/03/2024	9 a 11	3
	HORIZON-CL4-2024-HUMAN-01-07: Collaborative intelligence – combining the best of machine and human (AI Data and Robotics Partnership) (RIA)	RIA	19/03/2024	5	4
	HORIZON-CL4-2024-HUMAN-01-34: Support for transnational activities of National Contact Points in the thematic areas of Digital, Industry and Space (CSA)	CSA	19/03/2024	1,5 a 5	3
	HORIZON-CL4-2024-HUMAN-01-61: Facilitate the engagement in global ICT standardisation development (CSA)	CSA	19/03/2024	6	1