

**Appels à propositions dans le cadre du programme européen pour la recherche et l'innovation
« HORIZON EUROPE »**

Numérique, Industrie, Espace

Destination - Chaînes de valeur industrielles et numériques climatiquement neutres, circulaires et numérisées

Titre	Type	Budget (M€)	Date d'ouverture	Date limite
Chaînes de valeur industrielles et numériques climatiquement neutres, circulaires et numérisées (une étape) 2025				
HORIZON-CL4-INDUSTRY-202501-TWIN-TRANSITION-01: Integrated IA approaches for remanufacturing (Made in Europe Partnership) (IA)	IA	35 M€	22/mai/25	23/sept./25
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-02: Physical and cognitive augmentation in advanced manufacturing (Made in Europe Partnership) (RIA)	RIA	35 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-05: Advanced manufacturing technologies for leadership of EU manufacturers in products for the net-zero industry (Made in Europe Partnership) (IA)	IA	42 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-31: From heat-driven processes to the use of mechanical and electric forces (Processes4Planet partnership) (IA)	IA	25 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-32: Green and resilient flexible production processes (Processes4Planet partnership) (IA)	IA	25 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-33: Integrated use of renewable energy carriers in industrial sites (Processes4Planet partnership) (RIA)	RIA	25 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-34: Smart integration of net zero technologies into Energy Intensive industries (Processes4Planet and Made in Europe partnerships) (IA)	IA	25 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-37: Solving issues in carbon-neutral iron and steel making processes with diverse input materials of varying quality (Clean Steel Partnership) (RIA)	RIA	28 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-36: Safe and clean processing technologies and products (Processes4Planet partnership) (RIA)	RIA	24 M€		

HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-38: Synergies and mutual learning with national and regional initiatives in Europe on Industrial decarbonisation (CSA)	CSA	1 M€		
HORIZON-CL4-INDUSTRY-2025 01-TWIN-TRANSITION-39: Towards human-centric, sustainable and resilient energy-intensive industries (Processes4Planet and Clean Steel partnerships) (CSA)	CSA	2 M€		
Chaînes de valeur industrielles et numériques climatiquement neutres, circulaires et numérisées (deux étapes) 2025				
HORIZON-CL4-2025-05-TWIN-TRANSITION-11-two-stage: Enhanced logistics and operations of construction sites	IA	13 M€	22/mai/25	23-sep-25 (1ère étape) puis 14-avr-26 (2nde étape)
HORIZON-CL4-2025-05-TWIN-TRANSITION-35-two-stage: Developing and embedding upcycling technologies into viable business (Processes4Planet partnership)	IA	48 M€		
HORIZON-CL4-2025-05-TWIN-TRANSITION-21-two-stage: Demonstrators for clusters of social circular enterprises	IA	10 M€		

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Destination - Atteindre un leadership technologique pour l'autonomie stratégique ouverte de l'Europe dans les matières premières, les produits chimiques et les matériaux innovants

Titre	Type	Budget (M€)	Date d'ouverture	Date limite
Leadership technologique pour l'autonomie stratégique ouverte (une étape) 2025				
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-61: Technologies for critical raw materials and strategic raw materials from end-of-life products	IA	24 M€	22/mai/25	23/sept./25
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-62: Strategic Partnerships for Raw Materials: Innovative Approaches for sustainable production of Critical Raw Materials	IA	30 M€		
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-63: Innovative solutions for the sustainable production for Semiconductor raw materials	IA	24 M€		
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-64: EU Co-funded Partnership on raw materials for the green and digital transition	COFUND	90 M€		
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-44: Innovative Advanced Materials Innovation Procurement	CSA	2 M€		
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-45: Materials Commons for Europe	IA	28 M€		
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-52: Accelerate the uptake of life-cycle assessment (LCA) for Safe and Sustainable by Design (SSbD) chemicals and materials and resulting products	RIA	15 M€		
HORIZON-CL4-INDUSTRY-2025-01-MATERIALS-31: Digitally enabled local-for-local textile and apparel production (Textiles for the Future Partnership)	IA	10 M€		
HORIZON-CL4-2025-03-MATERIALS-46: Innovative Advanced Materials (IAMs) for photonics, enabling low-power and ultra-broadband performance for telecommunication (Innovative Advanced Materials for Europe partnership)	RIA	10 M€	10/juin/25	02/oct./25
HORIZON-CL4-2025-03-MATERIALS-47: Innovative Advanced Materials (IAMs) for conformable, flexible or stretchable electronics (Innovative Advanced Materials for Europe partnership)	RIA	15 M€		
Leadership technologique pour l'autonomie stratégique ouverte (deux étapes) 2025				
HORIZON-CL4-2025-05-MATERIALS-42-two-stage: Innovative Advanced Materials (IAMs) for product monitoring, smart maintenance and repair strategies in the construction sector (Innovative Advanced Materials for Europe partnership)	RIA	30.00 M€		

HORIZON-CL4-2025-05-MATERIALS-43-two-stage: Innovative Advanced Materials (IAMs) for robust, fast curing sealants and coatings for manufacturing and final assembly (Innovative Advanced Materials for Europe partnership)	IA	30.00 M€	22/mai/25	23-sep-25 (1ère étape) puis 14-avr-26 (2nde étape)
HORIZON-CL4-2025-05-MATERIALS-51-two-stage: Development of sustainable safe-by-design alternatives to Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS)	IA	30.00 M€		



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Développer un marché unique et une infrastructure agiles et sûrs pour les services de données et les services d'intelligence artificielle fiables

Titre	Type	Budget (M€)	Date d'ouverture	Date limite
Développer un marché unique et une infrastructure agiles et sûrs pour les services de données et les services d'intelligence artificielle fiables 2025				
HORIZON-CL4-2025-03-DATA-08: Large-scale pilots for supply end-to-end infrastructures integrating device, network computing and communication capabilities for Telco Edge Cloud deployments, as a basis for Connected Collaborative Computing Networks (3C networks)	RIA	75 M€	10/juin/25	02/oct./25
HORIZON-CL4-2025-03-DATA-09: Alignment of stakeholders towards the supply-side large-scale pilot of end-to-end infrastructures integrating device, network computing and communication capabilities	CSA	2,5 M€		
HORIZON-CL4-2025-03-DATA-10: Roadmap for next generation computing technologies from IoT device level to edge to cloud to HPC	CSA	2,5 M€		
HORIZON-CL4-2025-03-DATA-11: Open Internet Stack: development of technological commons/open-source 3C building blocks	RIA	10 M€		
HORIZON-CL4-2025-03-DATA-12: Preparing the Advancement of the state of the art of submarine cable infrastructures	CSA	2,1 M€		
HORIZON-CL4-2025-03-DATA-13: Fostering Innovative and Compliant Data Ecosystems (AI, Data and Robotics Partnership)	IA	45 M€		
HORIZON-CL4-2025-04-DATA-02: Empowering AI/generative AI along the Cognitive Computing continuum (AI/Data/Robotics Partnership)	RIA	30 M€		
HORIZON-CL4-2025-04-DATA-03: Software Engineering for AI and generative AI (AI/Data/Robotics Partnership)	RIA	15 M€		

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Destination - Atteindre l'autonomie stratégique ouverte dans les technologies numériques et les technologies émergentes habilitantes.

Titre	Type	Budget (M€)	Date d'ouverture	Date limite
Atteindre l'autonomie stratégique ouverte dans les technologies numériques et les technologies émergentes habilitantes 2025				
HORIZON-CL4-INDUSTRY-2025 01-DIGITAL-61: AI Foundation models in science (GenAI4EU)	RIA	30 M€	22/mai/25	23/sept./25
HORIZON-CL4-INDUSTRY-2025 01-DIGITAL-62: Facilitated cooperation for AI in Science	CSA	3 M€		
HORIZON-CL4-2025-03-DIGITAL EMERGING-01: Continuation of the Quantum Technologies Flagship	CSA	4,5 M€	10/juin/25	02/oct./25
HORIZON-CL4-2025-03-DIGITAL EMERGING-02: Quantum Computing - complementing the quantum computing FPAs with the development of a technology agnostic software stack	RIA	10 M€		
HORIZON-CL4-2025-03-DIGITAL EMERGING-03: Supporting Digital Partnerships in Quantum technologies	RIA	8 M€		
HORIZON-CL4-2025-03-DIGITAL EMERGING-04: Post-exascale HPC	CSA	2,5 M€		
HORIZON-CL4-2025-03-DIGITAL EMERGING-08: Strengthening the fabless Start-up and SME ecosystem in Europe	CSA	1 M€		
HORIZON-CL4-2025-03-DIGITAL EMERGING-07: Robust and trustworthy GenerativeAI for Robotics and industrial automation	RIA	85 M€		
HORIZON-CL4-2025-03-DIGITAL EMERGING-09: Challenge-Driven GenAI4EU Booster (AI-Data/Robotics Partnerships)	RIA	45 M€		
HORIZON-CL4-2025-04-DIGITAL-EMERGING-01: Advanced sensor technologies and multimodal sensor integration for multiple application domains (Photonics Partnership)	IA	25 M€		
HORIZON-CL4-2025-04-DIGITAL-EMERGING-04: Assessment methodologies for General Purpose AI capabilities and risks (AI/Data/Robotics Partnership)	RIA	7 M€		
HORIZON-CL4-2025-04-DIGITAL-EMERGING-05: Soft Robotics for Advanced physical capabilities (AI/Data/Robotics Partnership)	IA	20 M€		
HORIZON-CL4-2025-04-DIGITAL-EMERGING-07: Enhanced Learning Strategies for General Purpose AI: Advancing GenAI4EU (AI/Data/Robotics Partnership)	RIA	30 M€		

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Destination - Autonomie stratégique ouverte en développant, déployant et utilisant des infrastructures, services, applications et données mondiaux basés sur l'espace

Titre	Type	Budget (M€)	Date d'ouverture	Date limite
Autonomie stratégique en développant, déployant et utilisant des infrastructures, services, applications et données mondiaux basés sur l'espace 2025				
HORIZON-CL4-2025-02-SPACE-11: CSA on access to European spaceports	CSA	1 M€	22/mai/25	25/sept./25
HORIZON-CL4-2025-02-SPACE-12: Digital solutions for autonomy for space transportation systems, design and simulation tools - Digital enablers and building blocks	RIA	3 M€		
HORIZON-CL4-2025-02-SPACE-13: Digital solutions for autonomy for space transportation systems, design and simulation tools – targeting demonstration	IA	7 M€		
HORIZON-CL4-2025-02-SPACE-21: ISOS Pilot Mission Detailed Design – Servicing component	RIA	18 M€		
HORIZON-CL4-2025-02-SPACE-22: ISOS Pilot Mission Detailed Design – HOST component	RIA	17,5 M€		
HORIZON-CL4-2025-02-SPACE-23: ISOS Pilot Mission Detailed Design – Logistics component	RIA	12 M€		
HORIZON-CL4-2025-02-SPACE-24: ISOS Pilot Mission Detailed Design – satAPPs component	RIA	5 M€		
HORIZON-CL4-2025-02-SPACE-31: Digital enablers and building blocks for Earth Observation and Satellite telecommunication for Space solutions	RIA	6 M€		
HORIZON-CL4-2025-02-SPACE-32: Preparing demonstration missions for collaborative Earth Observation and Satellite telecommunication for Space solutions	IA	11 M€		
HORIZON-CL4-2025-02-SPACE-41: Copernicus Climate Change Service (C3S) evolution: new and innovative processing and methods for future Sentinels and other satellites for reanalyses	RIA	10 M€		
HORIZON-CL4-2025-02-SPACE-42: Copernicus Atmosphere Monitoring Service (CAMS) evolution: improved soil-vegetation-atmosphere modelling and data assimilation of atmospheric constituents	RIA	3 M€		
HORIZON-CL4-2025-02-SPACE-43: Copernicus Anthropogenic CO₂ Emissions Monitoring & Verification Support (CO2MVS) capacity: new and innovative methods to estimate the impact of fires on vegetation and related carbon fluxes	RIA	3 M€		

HORIZON-CL4-2025-02-SPACE-44: Copernicus Marine Environment Monitoring Service (CMEMS) evolution: new and innovative ocean data assimilation techniques	RIA	5 M€
HORIZON-CL4-2025-02-SPACE-45: Supporting the AI/ML digital transition of Copernicus Services	RIA	12 M€
HORIZON-CL4-2025-02-SPACE-46: Innovative Earth observation services in support of maritime litter detection and ship source pollution policies	IA	5 M€
HORIZON-CL4-2025-02-SPACE-71: Space Critical EEE Components for EU non-dependence – RISC-V Microprocessor on 7nm	RIA	5 M€
HORIZON-CL4-2025-02-SPACE-72: Space Critical Equipment and Related Technologies for EU non-dependence – Chip Scale Atomic Clocks and Solar Cells	RIA	8 M€
HORIZON-CL4-2025-02-SPACE-73: Space Critical EEE Components for EU non-dependence - Connectors	RIA	1 M€
HORIZON-CL4-2025-02-SPACE-74: Space Critical EEE Components for EU non-dependence – Advanced Packages and Memories	RIA	6 M€
HORIZON-CL4-2025-02-SPACE-81: EU-Japan cooperation on the exploitation of Quantum Space Gravimetry data	RIA	0,5 M€

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Destination - Un développement centré sur l'humain des technologies numériques et industrielles

Titre	Type	Budget (M€)	Date d'ouverture	Date limite
Un développement centré sur l'humain des technologies numériques et industrielles 2025				
HORIZON-CL4-INDUSTRY-2025 01-HUMAN-60: Horizon Standardisation Booster	CSA	1,5 M€	22/mai/25	23/sept./25
HORIZON-CL4-INDUSTRY-2025 01-HUMAN-61: Standardisation landscape analyses tool	CSA	1 M€		
HORIZON-CL4-INDUSTRY-2025 01-HUMAN-62: Artificial Intelligence for knowledge valorisation	CSA	2 M€		
HORIZON-CL4-INDUSTRY-2025 01-HUMAN-63: Value creation pilots for scaling up innovative solutions	CSA	2 M€		
HORIZON-CL4-INDUSTRY-2025 01-HUMAN-64: Pilot initiatives on Technology Infrastructures	CSA	5 M€		
HORIZON-CL4-INDUSTRY-2025 01-HUMAN-65: System innovation experimentation for Industry 5.0	IA	3 M€		
HORIZON-CL4-INDUSTRY-2025 01-HUMAN-66: Assessment of Technology Infrastructure needs in Ukraine	CSA	1,5 M€	10/juin/25	02/oct./25
HORIZON-CL4-2025-03-HUMAN-14: Core technologies for virtual worlds (Virtual Worlds and Photonics Partnerships)	RIA	43 M€		
HORIZON-CL4-2025-03-HUMAN-15: GenAI4EU: Generative AI for Virtual Worlds: Advanced technologies for better performance and hyper personalised experience	IA	20 M€		
HORIZON-CL4-2025-03-HUMAN-16: Drive the evolution of the internet towards open and interoperable Web 4.0 and Virtual Worlds: building blocks in priority areas	RIA	14,5 M€		
HORIZON-CL4-2025-03-HUMAN-17: Specific support for the Virtual Worlds Partnership and the Web 4.0 initiative	CSA	2,5 M€		
HORIZON-CL4-2025-03-HUMAN-18: GenAI4EU central Hub (AI/Data/Robotics Partnership)	CSA	3 M€		
HORIZON-CL4-2025-03-HUMAN-19: International cooperation in semiconductors	CSA	3 M€		
HORIZON-CL4-2025-04-HUMAN-08: GenAI for Africa	RIA	5 M€		