

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

Climat, Mobilité, Energie

Destination - Sciences climatiques et réponses pour la transformation vers une neutralité climatique

Titre	Type	Budget	Date d'ouverture	Date limite
Sciences climatiques et réponses 2024				
HORIZON-CL5-2024-D1-01-01: Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks	RIA	15 M€	12-09-23	05-03-24
HORIZON-CL5-2024-D1-01-02: Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate change	RIA	22 M€		
HORIZON-CL5-2024-D1-01-03: Paleoclimate science for a better understanding of the short- to long-term evolution of the Earth system	RIA	15 M€		
HORIZON-CL5-2024-D1-01-04: Improved toolbox for evaluating the climate and environmental impacts of trade policies	RIA	12 M€		
HORIZON-CL5-2024-D1-01-05: Next generation low-emission, climate-resilient pathways and NDCs for a future aligned with the Paris Agreement	RIA	14 M€		
HORIZON-CL5-2024-D1-01-06: The role of climate change foresight for primary and secondary raw materials supply	RIA	5 M€		
HORIZON-CL5-2024-D1-01-07: Quantification of the role of key terrestrial ecosystems in the carbon cycle and related climate effects	RIA	20 M€		



Association Occitanie Europe

Rond-point Schuman, 14 - 1040 Bruxelles
T +32 (0) 2 280 09 19 F +32 (0) 2 230 67 83
office@occitanie-europe.eu

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Destination - Solutions transsectorielles pour la transition climatique

Titre	Type	Budget	Date d'ouverture	Date limite
Solutions transsectorielles pour la transition climatique 2024				
HORIZON-CL5-2024-D2-01-01: Advanced sustainable and safe pre-processing technologies for End-of-Life (EoL) battery recycling (Batt4EU Partnership)	RIA	16 M€	07-12-23	18-04-24
HORIZON-CL5-2024-D2-01-02: Non-Li Sustainable Batteries with European Supply Chains for Stationary Storage (Batt4EU Partnership)	IA	21 M€		
HORIZON-CL5-2024-D2-01-03: Development of technical and business solutions to optimise the circularity, resilience, and sustainability of the European battery value chain (Batt4EU Partnership)	RIA	5 M€		
HORIZON-CL5-2024-D2-01-04: Emerging energy technologies for a climate neutral Europe	RIA	10 M€		
HORIZON-CL5-2024-D2-01-05 : Furthering the development of a materials acceleration platform for sustainable batteries	RIA	20 M€		
Solutions transsectorielles pour la transition climatique 2024				
HORIZON-CL5-2024-D2-02-01: Sustainable high-throughput production processes for stable lithium metal anodes for next generation batteries (Batt4EU Partnership)	IA	8 M€	07-05-24	05-09-24
HORIZON-CL5-2024-D2-02-02: Post-Li-ion technologies and relevant manufacturing techniques for mobility applications (Generation 5) (Batt4EU Partnership)	RIA	15 M€		
HORIZON-CL5-2024-D2-02-03: Size & weight reduction of cell and packaging of batteries system, integrating lightweight and functional materials, innovative thermal management and safe and sustainable by design approach (Batt4EU Partnership)	IA	16 M€		

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Destination - Offre d'énergie durable, sûre et compétitive

Titre	Type	Budget	Date d'ouverture	Date limite
Offre d'énergie durable, sûre et compétitive 2024				
HORIZON-CL5-2024-D3-02-01: Digital tools for CSP and solar thermal plants	IA	6 M€	17-09-24	21-01-25
HORIZON-CL5-2024-D3-02-02: Development of next generation synthetic renewable fuel technologies	RIA	12 M€		
HORIZON-CL5-2024-D3-02-03: Development of smart concepts of integrated energy driven bio-refineries for co-production of advanced biofuels, bio-chemicals and biomaterials	RIA	7 M€		
HORIZON-CL5-2024-D3-02-04: Critical technologies for the future ocean energy farms	RIA	8 M€		
HORIZON-CL5-2024-D3-02-05: PV-integrated electric mobility applications	IA	14 M€		
HORIZON-CL5-2024-D3-02-06: Innovative, Community-Integrated PV systems	IA	10 M€		
HORIZON-CL5-2024-D3-02-07: Resource Efficiency of PV in Production, Use and Disposal	CSA	3 M€		
HORIZON-CL5-2024-D3-02-08: Minimisation of environmental, and optimisation of socio-economic impacts in the deployment, operation and decommissioning of offshore wind farms	RIA	10 M€		
HORIZON-CL5-2024-D3-02-09: Demonstrations of innovative floating wind concepts	IA	30 M€		
HORIZON-CL5-2024-D3-02-10: Market Uptake Measures of renewable energy systems	CSA	8 M€		
HORIZON-CL5-2024-D3-02-11: CCU for the production of fuels	IA	15 M€		
HORIZON-CL5-2024-D3-02-12: DACCS and BECCS for CO2 removal/negative emissions	IA	15 M€		

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Destination - Utilisation de l'énergie efficiente, durable et inclusive

Titre	Type	Budget	Date d'ouverture	Date limite
Utilisation de l'énergie efficiente, durable et inclusive 2024				
HORIZON-CL5-2024-D4-01-01: Low-disruptive renovation processes using integration of prefabricated solutions for energy-efficient buildings	IA	10 M€	7-dec-23	18-04-24
HORIZON-CL5-2024-D4-01-02: Smart grid-ready buildings	IA	10 M€		
HORIZON-CL5-2024-D4-01-03: Alternative heating systems for efficient, flexible and electrified heat generation in industry	IA	16 M€		
Utilisation de l'énergie efficiente, durable et inclusive 2024				
HORIZON-CL5-2024-D4-02-01: Industrialisation of sustainable and circular deep renovation workflows (Built4People Partnership)	IA	16 M€	17-09-24	21-01-25
HORIZON-CL5-2024-D4-02-02: Robotics and other automated solutions for construction, renovation and maintenance in a sustainable built environment (Built4People Partnership)	RIA	8 M€		
HORIZON-CL5-2024-D4-02-03: BIM-based processes and digital twins for facilitating and optimising circular energy renovation (Built4People Partnership)	IA	8 M€		
HORIZON-CL5-2024-D4-02-04: Design for adaptability, re-use and deconstruction of buildings, in line with the principles of circular economy (Built4People Partnership)	RIA	8 M€		
HORIZON-CL5-2024-D4-02-05: Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (Built4People Partnership)	IA	10 M€		

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Destination - Solutions propres et compétitives pour tous les modes de transport

Titre	Type	Budget	Date d'ouverture	Date limite
Solutions propres et compétitives pour tous les modes de transport 2024				
HORIZON-CL5-2024-D5-01-01: Smart, low-cost pervasive stationary slow charging and bi-directional solutions synergic with the grid for EV mass deployment (2ZERO Partnership)	IA	15 M€	07-12-23	18-04-24
HORIZON-CL5-2024-D5-01-02: Integration and testing of next generation post-800V electric powertrains (2ZERO Partnership)	RIA	15 M€		
HORIZON-CL5-2024-D5-01-03: Advanced battery system integration for next generation vehicles (2ZERO Partnership)	RIA	10 M€		
HORIZON-CL5-2024-D5-01-04: Integrated flexible multipoint megawatt charging systems for electric truck mass deployment (2ZERO Partnership) (2024)	IA	17 M€		
HORIZON-CL5-2024-D5-01-05: Advanced digital development tools to accelerate the development of software defined vehicles that enable zero-emission mobility (2ZERO Partnership)	RIA	10 M€		
HORIZON-CL5-2024-D5-01-06: New designs, shapes, functionalities of Light Commercial Vehicles (2ZERO Partnership)	IA	10 M€		
RIZON-CL5-2024-D5-01-07: Accelerating climate neutral aviation, minimising non CO2 emissions	RIA	17		
HORIZON-CL5-2024-D5-01-08: Competitiveness and digital transformation in aviation – advancing further composite aerostructures	RIA	21 M€		
HORIZON-CL5-2024-D5-01-09: Impact monitoring of EU Aviation R&I	RIA	3 M€		
HORIZON-CL5-2024-D5-01-10: Towards a flying testbed for European leadership in aviation	RIA	16 M€		
HORIZON-CL5-2024-D5-01-11: Achieving high voltage, low weight, efficient electric powertrains for sustainable waterborne transport (ZEWTP Partnership)	RIA	15 M€		
HORIZON-CL5-2024-D5-01-12: Combining state-of-the-art emission reduction and efficiency improvement technologies in ship design and retrofitting for contributing to the "Fit for 55" package objective by 2030 (ZEWTP Partnership)	IA	15 M€		

HORIZON-CL5-2024-D5-01-13: Demonstration of Technologies to minimise underwater noise generated by waterborne transport (ZEWT Partnership)	IA	6 M€	07-12-23	18-04-24
HORIZON-CL5-2024-D5-01-14: Demonstrating efficient fully DC electric grids within waterborne transport for large ship applications (ZEWT Partnership)	IA	15 M€		
HORIZON-CL5-2024-D5-01-15: Advanced digitalisation and modelling utilizing operational and other data to support zero emission waterborne transport (ZEWT Partnership)	RIA	7,7 M€		
HORIZON-CL5-2024-D5-01-16: Structuring the Waterborne transport sector, including through changed business and industrial models in order to achieve commercial zero-emission waterborne transport (ZEWT Partnership)	RIA	0,85 M€		
HORIZON-CL5-2024-D5-01-17: Coordinating and supporting the combined activities of member and associated states towards the objectives of the Zero Emission Waterborne Transport partnership so as to increase synergies and impact (ZEWT Partnership)	RIA	1,5 M€		
HORIZON-CL5-2024-D5-01-18: Assessment of air pollutant emissions from low-carbon fuels in the heavy-duty, aviation, and maritime sectors	RIA	7 M€		



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Destination - Transport résilient et sûr et services de mobilité intelligente pour les passagers et les biens

Titre	Type	Budget	Date d'ouverture	Date limite
Transport résilient et sûr et services de mobilité intelligente pour les passagers et les biens 2024				
HORIZON-CL5-2024-D6-01-01: Centralised, reliable, cyber-secure & upgradable invehicle electronic control architectures for CCAM connected to the cloud-edge continuum (CCAM Partnership)	RIA	12 M€	07-05-24	05-09-24
HORIZON-CL5-2024-D6-01-02: Scenario-based safety assurance of CCAM and related HMI in a dynamically evolving transport system (CCAM Partnership)	RIA	14 M€		
HORIZON-CL5-2024-D6-01-03: Orchestration of heterogeneous actors in mixed traffic within the CCAM ecosystem (CCAM Partnership)	IA	12 M€		
HORIZON-CL5-2024-D6-01-04: AI for advanced and collective perception and decision making for CCAM applications (CCAM Partnership)	RIA	10 M€		
HORIZON-CL5-2024-D6-01-05: Robust Knowledge and Know-How transfer for KeyDeployment Pathways and implementation of the EU-CEM (CCAM Partne	CSA	4 M€		
HORIZON-CL5-2024-D6-01-06: Optimising multimodal network and traffic management, harnessing data from infrastructures, mobility of passengers and freight transport	RIA	10 M€		
HORIZON-CL5-2024-D6-01-07: Scaling up logistics innovations supporting freight transport decarbonisation in an affordable way	IA	20 M€		
HORIZON-CL5-2024-D6-01-08: Improved transport infrastructure performance – Innovative digital tools and solutions to monitor and improve the management and operation of transport infrastructure	IA	15 M€		
HORIZON-CL5-2024-D6-01-09: Policies and governance shaping the future transport and mobility systems	RIA	3 M€		
HORIZON-CL5-2024-D6-01-10: Ensuring the safety, resilience and security of waterborne digital systems	RIA	8,5 M€		
HORIZON-CL5-2024-D6-01-11: Effects of disruptive changes in transport: towards resilient, safe and energy efficient mobility	RIA	7 M€		

HORIZON-CL5-2024-D6-01-12: A new framework to improve traffic safety culture in the EU	RIA	7 M€		
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