



MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE

*Liberté
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Le programme européen pour la recherche et l'innovation



Appels Cluster 5 : 2023-2024

Des solutions propres et compétitives pour tous les modes de transport

Calendrier indicatif

Ouverture	Clôture	Code Appel	Titre Appel	Type	Budget par projet	Nbr attendu de projets	TRL (en fin de projet)
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-11	Developing the next generation of power conversion technologies for sustainable alternative carbon neutral fuels in waterborne applications (ZEWTP Partnership)	RIA	8	2	5
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-12	Demonstrations to accelerate the switch to safe use of new sustainable climate neutral fuels in waterborne transport (ZEWTP Partnership)	IA	8-13	3	7-8
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-13	Integrated real-time digital solutions to optimise navigation and port calls to reduce emissions from shipping (ZEWTP Partnership)	IA	7,5	2	6-8
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-14	Developing a flexible offshore supply of zero emission auxiliary power for ships moored or anchored at sea deployable before 2030 (ZEWTP Partnership)	IA	8,5	1	6-8
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-15	Reducing the environmental impact from shipyards and developing a whole life strategy to measure and minimise the non-operational environmental impacts from shipping	IA	4,5	2	7-8
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-16	Developing small, flexible, zero-emission and automated vessels to support shifting cargo from road to sustainable Waterborne Transport	RIA	4,5	2	5-6
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-17	Towards the implementation of the inland navigation action programme with a focus on Green and Connected Inland Waterway Transport	CSA	1,5	1	

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07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-11	Achieving high voltage, low weight, efficient electric powertrains for sustainable waterborne transport (ZEWT Partnership)	RIA	7,5	2	5
07/12/2023	18/04/2024	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 (ZEWT Partnership)	IA	7,5	2	7
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-13	Demonstration of Technologies to minimise underwater noise generated by waterborne transport (ZEWT Partnership)	IA	6	1	6-8
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-14	Demonstrating efficient fully DC electric grids within waterborne transport for large ship applications (ZEWT Partnership)	IA	7,5	2	6-8
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-15	Advanced digitalisation and modelling utilizing operational and other data to support zero emission waterborne transport (ZEWT Partnership)	IA	7,7	1	6-7
07/12/2023	18/04/2024	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)	CSA	0,85	1	
07/12/2023	18/04/2024	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)	CSA	1,5	1	



Destination 5 : Transport routier zéro émission 2023-2024

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13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-01	User-centric design and operation of EV for optimized energy efficiency (2ZERO Partnership)	IA	4-5	3	6
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-02	Innovative battery management systems for next generation vehicles (2ZERO & Batt4EU Partnership)	IA	5	2	6
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-03	Frugal zero-emission vehicles concepts for the urban passenger challenge (2ZERO Partnership)	IA	7-12	2	7-8
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-04	Circular economy approaches for zero emission vehicles (2ZERO Partnership)	RIA	12	1	5
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-05	Measuring road transport results towards 2ZERO KPIs (2ZERO Partnership)	CSA	1	1	
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-06	EU Member States/Associated countries research policy cooperation network to accelerate zero-emission road mobility (2ZERO Partnership)	CSA	1,5	1	
07/12/2023	18/04/2024	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	7-8	2	7-8
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-02	Integration and testing of next generation post 1200V electric powertrains (2ZERO Partnership)	RIA	4-6	3	5
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-03	Advanced battery system integration for next generation vehicles (2ZERO Partnership)	RIA	5	2	5
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-04	Integrated flexible multipoint megawatt charging systems for electric truck mass deployment (2ZERO Partnership) (2024)	IA	7-8,5	2	8
07/12/2023	18/04/2024	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	4-5	2	4-5
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-06	New designs, shapes, functionalities of Light Commercial Vehicles (2ZERO Partnership)	IA	10	1	7-8

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13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-07	Hydrogen-powered aviation	IA	8-10	2	6
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-08	Accelerating climate neutral hydrogen-powered/electrified aviation	RIA	3-4	4	2-3
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-09	Competitiveness and digital transformation in aviation – advancing further capabilities, digital approach to design	RIA	3-5	4	2-4
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-10	Aviation research synergies between Horizon Europe, AZEA and National programs	CSA	2	1	
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-07	Accelerating climate neutral aviation, minimising non-CO2 emissions	RIA	4-5	4	2-4
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-08	Competitiveness and digital transformation in aviation – advancing further composite aerostructures	RIA	3-5	5	2-4
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-09	Impact monitoring of EU Aviation R&I	RIA	3	1	
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-10	Towards a flying testbed for European leadership in aviation	RIA	16	1	4-5



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13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-18	Advanced transport emissions monitoring networks	IA	5	2	7-8
13/12/2022	20/04/2023	HORIZON-CL5-2023-D5-01-19	Support for the organisation of EU-US symposia in the field of Transport Research	CSA	0,5	1	
07/12/2023	18/04/2024	HORIZON-CL5-2024-D5-01-18	Assessment of air pollutant emissions from low-carbon fuels in the heavy-duty, aviation, and maritime sectors	RIA	3,5	2	5-6

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