

Cluster 5 Work Programme 2023-2024
Förderbereich Mobilität (Destinations 5 u. 6)
Topics 2024

Topic Code	Topic Title	Type of Action	Approx Budget/Grant (Mio. €)	Expected Grants	TRL	Funding Rate*	Deadline
Clean and competitive solutions for all transport modes							
Zero-emission Road Transport (2Zero)							
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	60%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-02	Integration and testing of next generation post-800V electric powertrains (2ZERO Partnership)	RIA	4-6	3	5	100%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-03	Advanced battery system integration for next generation vehicles (2ZERO Partnership)	RIA	5	2	5	100%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-04	Integrated flexible multipoint megawatt charging systems for electric truck mass deployment (2ZERO Partnership)	IA	7-8.5	2	8	60%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-05	Advanced digital development tools to accelerate the development of software defined vehicles that enable zero-emission mobility	RIA	4-5	2	4-5	100%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-06	New designs, shapes, functionalities of Light Commercial Vehicles (2ZERO Partnership)	IA	10	1	7-8	60%	18.04.2024 17 Uhr

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Clean and competitive solutions for all transport modes							
Aviation							
HORIZON-CL5-2024-D5-01-07	Accelerating climate neutral aviation, minimising non-CO2 emissions	RIA	4-5	4	2-4	100%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-08	Competitiveness and digital transformation in aviation – advancing further composite aerostructures	RIA	3-5	4+	2-4	100%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-09	Impact monitoring of EU Aviation R&I	RIA	3	1	k. A.	100%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-10	Towards a flying testbed for European leadership in aviation	RIA	16	1	4-5	100%	18.04.2024 17 Uhr
Clean and competitive solutions for all transport modes							
Zero-emission Waterborne Transport (ZEWT)							
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	100%	18.04.2024 17 Uhr
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 the "Fit for 55" package objective by 2030 (ZEWT Partnership)	IA	7,5	2	7	60%	18.04.2024 17 Uhr
HORIZON-CL5-2024-D5-01-13	Demonstration of Technologies to minimise underwater noise generated by waterborne transport (ZEWT Partnership)	IA	6	1	6-8	60%	18.04.2024 17 Uhr

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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	60%	18.04.2024 17 Uhr
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	60%	18.04.2024 17 Uhr
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	n.a.	100%	18.04.2024 17 Uhr
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	n.a.	100%	18.04.2024 17 Uhr
Clean and competitive solutions for all transport modes							
Transport-related health and environment							
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	100%	18.04.2024 17 Uhr
Safe, Resilient Transport and Smart Mobility services for passengers and goods							
Connected, Cooperative and Automated Mobility (CCAM)							
HORIZON-CL5-2024-D6-01-01	Centralised, reliable, cyber-secure & upgradable in-vehicle electronic control architectures for CCAM connected to the cloud-edge continuum (CCAM Partnership)	RIA	6	2	5	100%	07.09.2024 17 Uhr

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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	1	5	100%	07.09.2024 17 Uhr
HORIZON-CL5-2024-D6-01-03	Orchestration of heterogeneous actors in mixed traffic within the CCAM ecosystem (CCAM Partnership)	IA	6	2	6-7	60%	07.09.2024 17 Uhr
HORIZON-CL5-2024-D6-01-04	AI for advanced and collective perception and decision making for CCAM applications (CCAM Partnership)	RIA	5	2	5	100%	07.09.2024 17 Uhr
HORIZON-CL5-2024-D6-01-05	Robust Knowledge and Know-How transfer for Key-Deployment Pathways and implementation of the EU-CEM (CCAM Partnership)	CSA	4	1	n.a.	100%	07.09.2024 17 Uhr
Safe, Resilient Transport and Smart Mobility services for passengers and goods							
Multimodal transport, infrastructure and logistics							
HORIZON-CL5-2024-D6-01-06	Optimising multimodal network and traffic management, harnessing data from infrastructures, mobility of passengers and freight transport	RIA	4-5	2	5	100%	07.09.2024 17 Uhr
HORIZON-CL5-2024-D6-01-07	Scaling up logistics innovations supporting freight transport decarbonisation in an affordable way	IA	10	2	7	70%	07.09.2024 17 Uhr
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	5	3	7	70%	07.09.2024 17 Uhr
HORIZON-CL5-2024-D6-01-09	Policies and governance shaping the future transport and mobility systems	RIA	3	1	k. A.	100%	07.09.2024 17 Uhr
HORIZON-CL5-2024-D6-01-10	Ensuring the safety, resilience and security of waterborne digital systems	RIA	4	2	5-6	100%	07.09.2024 17 Uhr

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HORIZON-CL5-2024-D6-01-11	Effects of disruptive changes in transport: towards resilient, safe and energy efficient mobility	RIA	3-3,5	2	k. A.	100%	07.09.2024 17 Uhr
HORIZON-CL5-2024-D6-01-12	A new framework to improve traffic safety culture in the EU	RIA	3,5	2	k. A.	100%	07.09.2024 17 Uhr