

KLASTR 5 - výzva	Destinace	Otevření / Deadline	Typ akce	Doporučený rozpočet na celkovém rozpočtu	Čet předpokládaný počet	Partnersství	Lump Sum	SR pilot
HORIZON-CL5-2025-01-Two-Stage		6 May 2025 / 2 Sep 2025 and 31 March 2026			24	6		
DESTINATION 2 - témata		Cross-sectoral solutions for the climate transition			15	3		
HORIZON-CL5-2025-01-Two-Stage-D2-02	D2	Cost-effective next-generation batteries for long-duration stationary storage (Batt4EU Partnership)	RIA	5	15	3	Batt4EU	x
DESTINATION 3 - témata		Sustainable, secure and competitive energy supply			9	3		
HORIZON-CL5-2025-01-Two-Stage-D3-23	D3	Critical elements for energy security of grid and storage technologies	RIA	3	9	3		x
HORIZON-CL5-2025-02		6 May 2025 / 2 Sep 2025			274	47		
DESTINATION 2 - témata		Cross-sectoral solutions for the climate transition			110	22		
HORIZON-CL5-2025-02-D2-03	D2	Sustainable processing and refining of raw materials to produce battery grade Li-ion battery materials (Batt4EU Partnership)	IA	10	20	2	Batt4EU	x
HORIZON-CL5-2025-02-D2-06	D2	Fostering the European battery Ecosystem by providing Accurate and up-to-date information and stimulating Excellence in the European battery R&I community (Batt4EU Partnership)	CSA	3	3	1	Batt4EU	x
HORIZON-CL5-2025-02-D2-10	D2	Clean Energy Transition Co-Funded Partnership	COFUND	69	69	1		
HORIZON-CL5-2025-02-D2-11	D2	Support to the SET Plan community	CSA	0,5	7,5	15		x
HORIZON-CL5-2025-02-D2-12	D2	NZIA regulatory sandbox exchange forum support	CSA	0,5	0,5	1		x
HORIZON-CL5-2025-03-D2-08	D2	Coordinated call with India on waste to renewable hydrogen	RIA	5	10	2		
DESTINATION 3 - témata		Sustainable, secure and competitive energy supply			164	25		
HORIZON-CL5-2025-02-D3-03	D3	Novel approaches to geothermal resources development	IA	10	20	2		
HORIZON-CL5-2025-02-D3-04	D3	Development of hydropower technologies and water management schemes allowing for win-win situation of flexible hydropower and biodiversity improvement – Societal Readiness Pilot	RIA	4	12	3		x
HORIZON-CL5-2025-02-D3-06	D3	Innovative manufacturing of wind energy technologies	IA	7	28	4		x
HORIZON-CL5-2025-02-D3-09	D3	Optimised/Alternative Silicon Growth Technologies (from either liquid or gaseous phase) for PV Applications (EUPI-PV Partnership)	IA	9	18	2	EUPI-PV	x
HORIZON-CL5-2025-02-D3-11	D3	Novel inverter technologies and flexibility in PV systems (EUPI-PV Partnership)	IA	6	18	3	EUPI-PV	x
HORIZON-CL5-2025-02-D3-15	D3	Building a Long-Term Africa Union (AU) and European Union (EU) Research and Innovation joint collaboration on Sustainable Renewable Energies	CSA	4	4	1		x
HORIZON-CL5-2025-02-D3-16	D3	Support to the BRIDGE initiative	CSA	1	1	1		x
HORIZON-CL5-2025-02-D3-17	D3	Control and operation tools for a RES-based energy system	IA	10	20	2		
HORIZON-CL5-2025-02-D3-21	D3	Cross-regional network and market model for optimisation of long duration storage	IA	7	14	2		x
HORIZON-CL5-2025-02-D3-25	D3	Effects of CO2-stream impurities on CO2 transport and storage	RIA	5	10	2		x
HORIZON-CL5-2025-02-D3-26	D3	European investment atlas of potential CO2 storage sites	RIA	5	5	1		x
HORIZON-CL5-2025-02-D3-27	D3	Using captured CO2 as a resource to replace fossil fuels in industrial production	IA	7	14	2		
HORIZON-CL5-2025-03-Two-Stage		6 May 2025 / 4 Sep 2025 and 14 April 2026			7	2		
DESTINATION 5 - témata		Clean and competitive solutions for all transport modes			7	2		
HORIZON-CL5-2025-03-Two-Stage-D5-09	D5	Next generation aircraft autonomy technologies for cockpit / pilot assistance applications	RIA	3,5	7	2		x
HORIZON-CL5-2025-04		6 May 2025 / 4 Sep 2025			174,1	28		
DESTINATION 5 - témata		Clean and competitive solutions for all transport modes			140	21		
HORIZON-CL5-2025-01-D5-01	D5	Efficient wireless stationary bidirectional charging solutions for road Light Duty Vehicles (ZZERO Partnership) – Societal Readiness Pilot	IA	10	20	2	ZZERO	x
HORIZON-CL5-2025-01-D5-02	D5	Cybersecure and resilient road e-mobility ecosystem (ZZERO Partnership)	IA	10	10	1	ZZERO	x
HORIZON-CL5-2025-01-D5-03	D5	Safe post-crash management of road Light Duty Battery Electric Vehicles (BEVs) (ZZERO Partnership)	IA	5	5	1	ZZERO	x
HORIZON-CL5-2025-01-D5-04	D5	Extended lifetime of road Battery Electric Vehicles (BEV) (ZZERO Partnership)	RIA	7	7	1	ZZERO	x
HORIZON-CL5-2025-01-D5-05	D5	Road Battery Electric Vehicles (BEV) optimised user-centric solutions for energy efficiency design and consistent range throughout weather conditions (ZZERO Partnership)	IA	6	12	2	ZZERO	x
HORIZON-CL5-2025-01-D5-06	D5	Strategies, tools and concepts for optimised road Battery Electric Vehicles (BEV) long-haul logistics use cases (ZZERO Partnership)	IA	5	5	1	ZZERO	x
HORIZON-CL5-2025-01-D5-07	D5	Accelerating the circular transformation of the EU automotive industry	CSA	2	2	1		x
HORIZON-CL5-2025-01-D5-08	D5	Next generation testing capabilities in strategic EU wind tunnels	RIA	15	15	1		x
HORIZON-CL5-2025-01-D5-10	D5	Innovative solutions for energy conversion and safety of low and zero-carbon fuels in waterborne transport (ZEWTP Partnership)	IA	11,25	22,5	2	ZEWTP	
HORIZON-CL5-2025-01-D5-11	D5	Demonstration of battery energy storage systems in existing and new vessels via novel energy storage and ship design concepts (ZEWTP Partnership)	IA	7,5	15	2	ZEWTP	
HORIZON-CL5-2025-01-D5-12	D5	Real-time, adaptive and innovative energy management solutions to optimise fuel consumption and lower emissions pollutants in waterborne transport (ZEWTP Partnership)	RIA	4	4	1	ZEWTP	x
HORIZON-CL5-2025-01-D5-13	D5	Novel holistic intelligent tools for variable retrofit and decarbonised scenarios (ZEWTP Partnership)	IA	4	4	1	ZEWTP	x
HORIZON-CL5-2025-01-D5-14	D5	Flexible and mobile solutions for Onshore Power Supply (ZEWTP Partnership)	IA	5	5	1	ZEWTP	x
HORIZON-CL5-2025-01-D5-15	D5	Optimal integrated onboard renewable energy solutions, by considering Wind-Assisted Propulsion Systems (ZEWTP Partnership)	IA	7,5	7,5	1	ZEWTP	
HORIZON-CL5-2025-01-D5-16	D5	Support of the new EU renewable and low carbon fuel ecosystem for waterborne transport	CSA	2	2	1		x
HORIZON-CL5-2025-01-D5-18	D5	Support to the organisation and dissemination of the Transport Research Arena (TRA) conference	CSA	1,6	1,6	1		x
HORIZON-CL5-2025-01-D5-19	D5	Knowledge sharing and dissemination to support to road transport R&I in EU and around the world increasing global EU competitiveness	CSA	2	2	1		x
DESTINATION 6 - témata		Safe, Resilient Transport and Smart Mobility services for passengers and goods			35	7		
HORIZON-CL5-2025-01-D6-01	D6	Advancing remote operations to enable the sustainable and smart mobility of people and goods based on operational and societal needs (CCAM Partnership) – Societal Readiness Pilot	RIA	6	12	2	CCAM	x
HORIZON-CL5-2025-01-D6-02	D6	Preparing for large-scale CCAM demonstrations (CCAM Partnership) – Societal Readiness Pilot	CSA	4,5	4,5	1	CCAM	x
HORIZON-CL5-2025-01-D6-11	D6	Innovative air mobility and services for sustainable and smart urban, peri-urban transport – Societal Readiness pilot	RIA	5	10	2		x
HORIZON-CL5-2025-01-D6-12	D6	Safe Human-Technology Interaction (HTI) in the vehicle systems of the coming decade – Societal Readiness Pilot	IA	4	8	2		x
HORIZON-CL5-2025-05-Two-Stage		6 May 2025 / 4 Sep 2025 and 31 March 2026			18	3		
DESTINATION 5 - témata		Clean and competitive solutions for all transport modes			18	3		
HORIZON-CL5-2025-05-Two-Stage-D1-05	D1	Adaptation to Climate Change: Effectiveness and Limits	RIA	6	18	3		x

HORIZON-CL5-2025-06		6 May 2025 / 24 Sep 2025				139,5	13			
DESTINATION 1 - témata		Climate sciences and responses for the transformation towards climate neutrality				83,5	12			
HORIZON-CL5-2025-03-D1-01	D1	Climate simulations data and knowledge for optimal support of IPCC Assessments and International Policy	RIA	30	30	1			x	
HORIZON-CL5-2025-03-D1-02	D1	Advancing Earth System Models to increase understanding of Earth system change	RIA	7,5	15	2			x	
HORIZON-CL5-2025-03-D1-03	D1	Modelling of mitigation pathways for F-gases	RIA	2,5 - 3	7,5	3			x	
HORIZON-CL5-2025-03-D1-04	D1	The attribution to climate change, and improved forecasting of extreme and slow-onset climate- and weather-related events and their impacts	RIA	6	12	2			x	
HORIZON-CL5-2025-03-D1-06	D1	Fostering equity and justice in climate policies – Societal Readiness Pilot	RIA	4 - 5	15	3			x	x
HORIZON-CL5-2025-03-D1-07	D1	Implementing the climate action pillar of the EU-African Union Partnership on Climate Change and Sustainable Energy	CSA	3 - 4	4	1				
DESTINATION 2 - témata		Cross-sectoral solutions for the climate transition				56	1			
HORIZON-CL5-2025-06-D2-07	D2	Driving Urban Transitions to a sustainable future (DUT) Co-Funded Partnership	COFUND	56	56	1				
HORIZON-CL5-2026-01		16 Sep 2025 / 20 Jan 2026				188	28			
DESTINATION 2 - témata		Cross-sectoral solutions for the climate transition				70,5	9			
HORIZON-CL5-2026-01-D2-01	D2	Development of sustainable and design-to-cost batteries with (energy-)efficient manufacturing processes and based on advanced and safer materials (Batt4EU Partnership)	IA	8	24	3		Batt4EU		
HORIZON-CL5-2026-01-D2-04	D2	Integrating advanced material, cell design and manufacturing development for high-performance batteries aimed at mobility (Batt4EU Partnership)	RIA	10	30	3		Batt4EU		
HORIZON-CL5-2026-01-D2-05	D2	Accelerated multi-physical and virtual testing for battery aging, reliability, and safety evaluation (Batt4EU Partnership)	IA	7,5	15	2		Batt4EU	x	
HORIZON-CL5-2026-01-D2-09	D2	Monitoring and Evaluation of the Societal Readiness Pilot	CSA	1,5	1,5	1			x	x
DESTINATION 5 - témata		Clean and competitive solutions for all transport modes				16	2			
HORIZON-CL5-2026-01-D5-17	D5	Real time monitoring of regulated and non-regulated emissions from all types of vessels and other port activities in order to enforce emission limits in waterfront cities	IA	8	16	2				
DESTINATION 6 - témata		Safe, Resilient Transport and Smart Mobility services for passengers and goods				101,5	17			
HORIZON-CL5-2026-01-D6-03	D6	Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity (CCAM Partnership)	RIA	4	8	2		CCAM	x	
HORIZON-CL5-2026-01-D6-04	D6	Integration of human driving behaviour in the validation of CCAM systems (CCAM Partnership)	RIA	5	5	1		CCAM	x	
HORIZON-CL5-2026-01-D6-05	D6	Approaches, verification and training for Edge-AI building blocks for CCAM Systems (CCAM Partnership)	RIA	4	4	1		CCAM	x	
HORIZON-CL5-2026-01-D6-06	D6	Federated CCAM data exchange platform (CCAM Partnership)	IA	4	4	1		CCAM	x	
HORIZON-CL5-2026-01-D6-07	D6	Innovative construction and maintenance, with the use of new materials and techniques, for resilient and sustainable transport infrastructure	IA	11	22	2				
HORIZON-CL5-2026-01-D6-08	D6	Accelerating freight transport and logistics digital innovation	IA	7 - 8	15	2				
HORIZON-CL5-2026-01-D6-09	D6	Reliable data and practices to measure and calculate transport emissions in multimodal transport chains	CSA	3,5	3,5	1			x	
HORIZON-CL5-2026-01-D6-10	D6	Integrating inland waterway transport in smart shipping and multimodal logistics chains	IA	8	16	2				
HORIZON-CL5-2026-01-D6-13	D6	Safety of Cyclists, Pedestrians and Users of Micromobility Devices	RIA	5	10	2			x	
HORIZON-CL5-2026-01-D6-14	D6	Predicting and avoiding road crashes based on Artificial Intelligence (AI) and big data	RIA	5	10	2			x	
HORIZON-CL5-2026-01-D6-15	D6	Icing in the context of sustainable aviation	RIA	4	4	1			x	
HORIZON-CL5-2026-02		16 Sep 2025 / 17 Feb 2026				318	49			
DESTINATION 3 - témata		Sustainable, secure and competitive energy supply				234	32			
HORIZON-CL5-2026-02-D3-01	D3	Large-scale production of liquid advanced biofuels and renewable fuels of non-biological origin	IA	11	33	3				
HORIZON-CL5-2026-02-D3-02	D3	Competitiveness, energy security and integration aspects of advanced biofuels and renewable fuels of non-biological origin value chains	RIA	4	8	2			x	
HORIZON-CL5-2026-02-D3-05	D3	Demonstration of thermal energy storage solutions for solar thermal plants and systems	IA	7,5	15	2				
HORIZON-CL5-2026-02-D3-07	D3	Improved reliability and optimised operations and maintenance for wind energy systems	RIA	5	15	3			x	
HORIZON-CL5-2026-02-D3-08	D3	Understand and minimise the environmental impacts of offshore wind energy	RIA	5	15	3			x	
HORIZON-CL5-2026-02-D3-10	D3	Towards commercialisation of Perovskite PV and development of dedicated manufacturing equipment (EUPI-PV Partnership)	IA	8	24	2		EUPI-PV		
HORIZON-CL5-2026-02-D3-12	D3	Extending the lifetime of crystalline silicon PV modules (EUPI-PV Partnership)	RIA	4	8	2		EUPI-PV	x	
HORIZON-CL5-2026-02-D3-13	D3	De-risking wave energy technology development through transnational pre-commercial procurement of Wave energy research and development	PCP	20	20	1				
HORIZON-CL5-2026-02-D3-14	D3	Development of innovative solutions strengthening the security of renewable energy value chains	CSA	2	6	3			x	
HORIZON-CL5-2026-02-D3-18	D3	Next generation distribution substation for increasing the system resilience	IA	9	18	2				
HORIZON-CL5-2026-02-D3-19	D3	Innovation solutions for a generative AI-powered digital spine of the EU energy system	IA	8	16	2				
HORIZON-CL5-2026-02-D3-20	D3	Innovative tools and services to manage and empower energy communities	IA	10	20	2				
HORIZON-CL5-2026-02-D3-22	D3	Underground Thermal Energy Storage in dense urban areas	IA	9	18	2			x	
HORIZON-CL5-2026-02-D3-24	D3	New CO2 capture technologies	RIA	6	18	3			x	
DESTINATION 4 - témata		Efficient, sustainable and inclusive energy use				84	17			
HORIZON-CL5-2026-02-D4-01	D4	On-site innovative robotics and automated solutions and techniques for more sustainable and less disruptive building renovation and construction	RIA	5	15	3			x	
HORIZON-CL5-2026-02-D4-02	D4	Smarter buildings as part of the energy system for increased efficiency and flexibility – Societal Readiness Pilot	IA	4	12	3			x	x
HORIZON-CL5-2026-02-D4-03	D4	Innovative pathways for low carbon and climate resilient building stock and built environment (Built4People Partnership)	RIA	5	15	3		Built4People	x	
HORIZON-CL5-2026-02-D4-04	D4	Innovative approaches for the deployment of Positive Energy Districts	IA	5	15	3			x	
HORIZON-CL5-2026-02-D4-05	D4	Optimal combination of low embodied carbon construction products, technical building systems and circularity principles for climate neutral buildings (Built4People Partnership)	RIA	4	12	3		Built4People	x	
HORIZON-CL5-2026-02-D4-06	D4	Phase out fossil fuel in energy intensive industries through the integration of renewable energy sources	IA	7,5	15	2				