

Destination	Call	Sub-Call	Topic Identifier	Topic	Type of Action	Topic Budget (m)	Number of projects to be funded	Opening Date	Closing Date
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2023-D1-01-01	Further climate knowledge through advanced science and technologies for analysing Earth observation and Earth system model data	RIA	€ 16,00	2	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2023-D1-01-02	Climate-related tipping points	RIA	€ 14,00	2	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2023-D1-01-03	Climate impacts of a hydrogen economy	RIA	€ 8,00	2	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2023-D1-01-04	Improved knowledge in cloud-aerosol interaction	RIA	€ 16,00	2	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2023-D1-01-05	Science for successful, high-integrity voluntary climate initiatives	RIA	€ 5,50	1	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2023-D1-01-06	Broadening the range of policy options in transition pathway analysis	RIA	€ 10,00	2	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Climate change impacts and adaptation	HORIZON-CL5-2023-D1-01-07	Modelling for local resilience - Developments in support of local adaptation assessments and plans	RIA	€ 12,00	1	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Climate change impacts and adaptation	HORIZON-CL5-2023-D1-01-08	Solar Radiation Modification: governance of research	CSA	€ 3,00	1	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Climate change impacts and adaptation	HORIZON-CL5-2023-D1-01-09	Behavioural change and governance for systemic transformations towards climate resilience	RIA	€ 8,00	2	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Climate change impacts and adaptation	HORIZON-CL5-2023-D1-01-10	Improving the evidence base regarding the impact of sustainability and climate change education and related learning outcomes	RIA	€ 5,00	1	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	International cooperation	HORIZON-CL5-2023-D1-01-11	Needs-based adaptation to climate change in Africa	RIA	€ 10,00	2	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	International cooperation	HORIZON-CL5-2023-D1-02-01	EU-China international cooperation on data and model development for pathways to carbon neutrality: focusing on decarbonisation, energy efficiency and socio-economic implications of the transition	RIA	€ 5,00	1	13/12/2022	18/04/2023
D1	Climate sciences and responses for the transformation towards climate neutrality	International cooperation	HORIZON-CL5-2023-D1-02-02	EU-China international cooperation on blue carbon	RIA	€ 5,00	1	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-01-01	Technologies for sustainable, cost-efficient and low carbon footprint downstream processing & production of battery-grade materials (Batt4EU Partnership)	RIA	€ 21,00	3	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-01-02	New processes for upcoming recycling feeds (Batt4EU Partnership)	RIA	€ 15,00	3	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-01-03	Advanced digital twins for battery cell production lines (Batt4EU Partnership)	RIA	€ 14,00	2	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-01-04	Battery management system (BMS) and battery system design for stationary energy storage systems (ESS) to improve interoperability and facilitate the integration of second life batteries (Batt4EU Partnership)	IA	€ 15,00	2	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-01-05	Hybrid electric energy storage solutions for grid support and charging infrastructure (Batt4EU Partnership)	IA	€ 12,00	2	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-01-06	Open Pilot Line/Test Bed for hydrogen	IA	€ 10,00	1	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-01-07	Support for the deployment of R&I results for climate mitigation. Synergies with the ETS Innovation Fund	CSA	€ 4,00	4	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	Communities and cities	HORIZON-CL5-2023-D2-01-08	Driving Urban Transition Co-funded Partnership	COFUND	€ 37,00	1	13/12/2022	18/04/2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-02-01	Advanced materials and cells development enabling large-scale production of Gen4 solid-state batteries for mobility applications (Batt4EU Partnership)	IA	€ 24,00	3	13/12/2022	9.5.2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-02-02	New Approaches to Develop Enhanced Safety Materials for Gen 3 Li-Ion Batteries for Mobility Applications (Batt4EU Partnership)	RIA	€ 10,00	2	13/12/2022	9.5.2023
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2023-D2-02-03	Creating a digital passport to track battery materials, optimize battery performance and life, validate recycling, and promote a new business model based on data sharing (Batt4EU Partnership)	IA	€ 8,00	1	13/12/2022	9.5.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-01	Renewable Energy Valleys to increase energy security while accelerating the green transition in Europe	IA	€ 20,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-02	PV integration in buildings and in infrastructure	IA	€ 8,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-03	Floating PV Systems	IA	€ 7,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-04	Solar Systems for industrial Process Heat and Power	IA	€ 7,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-05	Critical technologies for the offshore wind farm of the future	RIA	€ 6,00	3	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-06	Demonstration of advanced biofuel technologies for aviation and/or shipping	IA	€ 9,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-07	Demonstration of synthetic renewable fuel technologies for aviation and shipping	IA	€ 9,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-08	Demonstration of sustainable tidal energy farms	IA	€ 20,00	2	13.12.2022	30.3.2023

D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-09	Waste heat reutilisation from data centres	IA	€ 6,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-10	Supporting the development of a digital twin to improve management, operations and resilience of the EU Electricity System in support to RePowerEU	IA	€ 20,00	1	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-11	Demonstration of DC powered data centre, buildings, industry and ports	IA	€ 9,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-12	Development of MVDC, HVDC and High-Power Transmission systems and components for a resilient grid	IA	€ 11,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-13	Development of novel long-term electricity storage technologies	RIA	€ 4-5m	3	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-14	Demonstration of innovative, large-scale, seasonal heat and/or cooling storage technologies for decarbonisation and security of supply	IA	€ 10,00	3	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-01-15	Supporting the green and digital transformation of the energy ecosystem and enhancing its resilience through the development and piloting of AI-IoT Edge-cloud and platform solutions	IA	€ 18,00	1	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Carbon Capture, Utilization and Storage (CCUS)	HORIZON-CL5-2023-D3-01-17	Development of CO2 transport and storage demo	IA	€ 20,00	2	13.12.2022	30.3.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-01	Development of near zero-emission biomass heat and/or CHP including carbon capture	RIA	€ 4,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-02	Novel thermal energy storage for Concentrated Solar Power (CSP)	RIA	€ 2,50	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-02-03	Industrial manufacturing for lower-cost solar thermal components and systems	IA	€ 3,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-05	Advanced exploration technologies for geothermal resources in a wide range of geological settings	RIA	€ 4,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-06	Smart use of geothermal electricity and heating and cooling in the energy system	IA	€ 5,00	3	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-07	Development of next generation advanced biofuel technologies	RIA	€ 4,00	3	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-08	Development of microalgae and/or direct solar fuel production and purification technologies for advanced aviation and /or shipping fuels	RIA	€ 4,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-09	Demonstration of sustainable hydropower refurbishment	IA	€ 8,00	1	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-10	Development of innovative power take-off and control systems for wave energy devices	RIA	€ 4,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-11	Advanced concepts for crystalline Silicon technology	RIA	€ 3,00	3	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-12	Large Area Perovskite solar cells and modules	IA	€ 7,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-13	Operation, Performance and Maintenance of PV Systems	IA	€ 5,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-14	Digital twin for forecasting of power production to wind energy demand	RIA	€ 6,00	2	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-15	Critical technologies to improve the life-time, efficient decommissioning and increase the circularity of offshore and onshore wind energy systems	RIA	€ 4,00	3	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2023-D3-02-16	Accelerating the green transition and energy access in Africa	IA	€ 5,00	4	4.5.2023	5.9.2023
D3	Sustainable, secure and competitive energy supply	Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-01	Increasing the efficiency of innovative static energy conversion devices for electricity and heat/cold generation	RIA	€ 3,00	3	4.5.2023	10.10.2023
D3	Sustainable, secure and competitive energy supply	Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-02	Integration of renewable gases, other than hydrogen or methane, and which have not access to gas grids and interfacing with electricity and heat sectors	IA	€ 6,00	2	4.5.2023	10.10.2023
D3	Sustainable, secure and competitive energy supply	Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-03	System approach for grid planning and upgrade in support of a dominant electric mobility (vehicles and vessels) using AI tools	IA	€ 11,00	1	4.5.2023	10.10.2023
D3	Sustainable, secure and competitive energy supply	Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-04	Digital tools for enhancing the uptake of digital services in the energy market	IA	€ 3-4.0	3	4.5.2023	10.10.2023
D3	Sustainable, secure and competitive energy supply	Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-05	Creation of a standardised and open-source peer-to-peer energy sharing platform architecture for the energy sector	IA	€ 5,00	1	4.5.2023	10.10.2023
D3	Sustainable, secure and competitive energy supply	Energy Systems, Grids & Storage	HORIZON-CL5-2023-D3-03-06	Components and interfacing for AC & DC side protection system – AC & DC grid: components and systems for grid optimisation	IA	€ 5,00	2	4.5.2023	10.10.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-01-01	Innovative cost-efficient solutions for zero-emission buildings	IA	€ 5,00	2	13.12.2022	20.4.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-01-02	Future-proofing historical buildings for the clean energy transition	RIA	€ 4,50	2	13.12.2022	20.4.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-01-03	Interoperable solutions for positive energy districts (PEDs), including a better integration of local renewables and local excess heat sources	IA	€ 4,00	2	13.12.2022	20.4.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-01-04	Thermal management and energy optimisation of high energy demand IT systems equipment in tertiary buildings	RIA	€ 3,00	2	13.12.2022	20.4.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-01-05	Innovative solutions for cost-effective decarbonisation of buildings through electrification	IA	€ 12,50	2	13.12.2022	20.4.2023
D4	Efficient, sustainable and inclusive energy use	Global leadership in renewable energy	HORIZON-CL5-2023-D4-01-06	Integration of renewable heat or industrial waste heat in heat-to-cold conversion systems to generate cold for industrial processes	IA	€ 10,00	2	13.12.2022	20.4.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-01	Innovative uses of lifecycle data for the management of buildings and buildings portfolios (Built4People)	IA	€ 5,00	2	4.5.2023	5.9.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-02	Solutions for the identification of vulnerable buildings and people-centric built environment, and for improving their resilience in disruptive events and altered conditions in a changing climate (Built4People)	IA	€ 5,00	2	4.5.2023	5.9.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-03	Demonstrate built-environment decarbonisation pathways through bottom-up technological, social and policy innovation for adaptive integrated sustainable renovation solutions (Built4People)	IA	€ 6,00	2	4.5.2023	5.9.2023

D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-04	Innovative components and configurations for heat pumps	RIA	€ 2,00	3	4.5.2023	5.9.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-04	Fast-tracking and promoting built environment construction and renovation innovation with local value chains (Built4People Partnership)	CSA	€ 2,00	1	4.5.2023	5.9.2023
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2023-D4-02-05	Supporting the creation of an accessible and inclusive built environment (Built4People Partnership)	IA	€ 5,00	2	4.5.2023	5.9.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2023-D5-01-01	User-centric design and operation of EV for optimized energy efficiency (ZZERO Partnership)	IA	€ 15,00	3	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2023-D5-01-02	Innovative battery management systems for next generation vehicles (ZZERO & BATT4EU Partnership)	IA	€ 10,00	2	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2023-D5-01-03	Frugal zero-emission vehicles concepts for the urban passenger challenge (ZZERO Partnership)	IA	€ 20,00	2	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2023-D5-01-04	Circular economy approaches for zero emission vehicles (ZZERO Partnership)	RIA	€ 12,00	1	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2023-D5-01-05	Measuring road transport results towards ZZERO KPIs (ZZERO Partnership)	CSA	€ 1,00	1	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2023-D5-01-06	EU Member States/Associated countries research policy cooperation network to accelerate zero-emission road mobility (ZZERO Partnership)	CSA	€ 1,50	1	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2023-D5-01-07	Accelerating climate neutral aviation, minimising non-CO2 emissions	RIA	€ 17,00	4	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2023-D5-01-08	Competitiveness and digital transformation in aviation – advancing further composite aerostructures	RIA	€ 16,00	4	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2023-D5-01-09	Impact monitoring of EU Aviation R&I	RIA	€ 8,00	1	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2023-D5-01-10	Towards a flying testbed for European leadership in aviation	RIA	€ 16,00	1	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWTP)	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	€ 17,00	2	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWTP)	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	€ 34,00	3	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWTP)	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	€ 15,00	2	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWTP)	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	€ 8,50	1	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWTP)	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 (ZEWTP Partnership)	IA	€ 9,00	2	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWTP)	HORIZON-CL5-2023-D5-01-16	Developing small, flexible, zero-emission and automated vessels to support shifting cargo from road to sustainable Waterborne Transport (ZEWTP Partnership)	RIA	€ 9,00	2	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWTP)	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 (ZEWTP Partnership)	CSA	€ 1,50	1	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Transport related health and environment	HORIZON-CL5-2023-D5-01-18	Advanced transport emissions monitoring networks	IA	€ 10,00	2	13.12.2022	20.4.2023
D5	Clean and competitive solutions for all transport modes	Cross-Cutting	HORIZON-CL5-2023-D5-01-19	Support for the organisation of EU-US symposia in the field of Transport Research	CSA	€ 0,50	1	13.12.2022	20.4.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2023-D6-01-01	User-centric development of vehicle technologies and solutions to optimise the on-board experience and ensure inclusiveness	RIA	€ 8,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2023-D6-01-02	Generation of scenarios for development, training, virtual testing and validation of CCAM systems	RIA	€ 20,00	1	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2023-D6-01-03	Infrastructure-enabled solutions for improving the continuity or extension of Operational Design Domains (ODDs)	IA	€ 12,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2023-D6-01-04	Integrating European diversity in the design, development and implementation of CCAM solutions to support mobility equity	RIA	€ 8,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2023-D6-01-05	CCAM effects on jobs and education, plans for skills that match the CCAM development, and prerequisites for employment growth	RIA	€ 2,00	1	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2023-D6-01-06	Zero-emission e-commerce and freight delivery and return choices by retailers, consumers and local authorities	RIA	€ 6,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2023-D6-01-07	Operational automation to support multimodal freight transport	RIA	€ 8,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2023-D6-01-08	Future-proof GHG and environmental emissions factors for accounting emissions from transport and logistics operations	CSA	€ 3,00	1	4.5.2023	5.9.2023

D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2023-D6-01-09	Climate resilient and safe maritime ports	IA	€ 14,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Safety and resilience	HORIZON-CL5-2023-D6-01-10	Better infrastructure safety on urban and secondary rural roads throughout a combination of adaptable monitoring and maintenance solutions	RIA	€ 10,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Safety and resilience	HORIZON-CL5-2023-D6-01-11	Aviation safety - Uncertainty quantification for safety and risk management	IA	€ 8,50	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Safety and resilience	HORIZON-CL5-2023-D6-01-12	New ways of reducing serious injuries and the long-term consequences of road crashes	RIA	€ 8,00	2	4.5.2023	5.9.2023
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Cross-Cutting Actions	HORIZON-CL5-2023-D6-01-13	Support for dissemination events in the field of Transport Research	CSA	€ 1,50	1	4.5.2023	5.9.2023
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2024-D1-01-01	Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks	RIA	€ 15,00	1	9.12.2023	3.5.2024
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2024-D1-01-02	Inland ice, including snow cover, glaciers, ice sheets and permafrost, and their interaction with climate change	RIA	€ 22,00	3	9.12.2023	3.5.2024
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2024-D1-01-03	Paleoclimate science for a better understanding of the short- to long-term evolution of the Earth system	RIA	€ 15,00	1	9.12.2023	3.5.2024
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2024-D1-01-04	Improved toolbox for evaluating the climate and environmental impacts of trade policies	RIA	€ 12,00	2	9.12.2023	3.5.2024
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2024-D1-01-05	Next generation low-emission, climate-resilient pathways and NDCs for a future aligned with the Paris Agreement	RIA	€ 14,00	3	9.12.2023	3.5.2024
D1	Climate sciences and responses for the transformation towards climate neutrality	Earth system science	HORIZON-CL5-2024-D1-01-06	The role of climate change foresight for primary and secondary raw materials supply	RIA	€ 5,00	1	9.12.2023	3.5.2024
D1	Climate sciences and responses for the transformation towards climate neutrality	Climate-ecosystem interactions	HORIZON-CL5-2024-D1-01-07	Quantification of the role of key terrestrial ecosystems on the carbon cycle and related climate effects	RIA	€ 20,00	2	9.12.2023	3.5.2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2024-D2-01-01	Advanced sustainable and safe pre-processing technologies for End-of-Life (EoL) battery recycling (Batt4EU Partnership)	RIA	€ 21,00	3	9.5.2023	18/04/2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2024-D2-01-02	Non-Li Sustainable Batteries with European Supply Chains for Stationary Storage (Batt4EU Partnership)	IA	€ 21,00	3	9.5.2023	18/04/2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	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	€ 5,00	1	9.5.2023	18/04/2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2024-D2-01-04	Emerging energy technologies for a climate neutral Europe	RIA	€ 10,00	4	9.5.2023	18/04/2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2024-D2-02-01	Sustainable high-throughput production processes for stable lithium metal anodes for next generation batteries (Batt4EU Partnership)	IA	€ 8,00	1	12.7.2023	9.5.2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2024-D2-02-02	Post-Li-ion technologies and relevant manufacturing techniques for mobility applications (Generation 5) (Batt4EU Partnership)	RIA	€ 15,00	3	12.7.2023	9.5.2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	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	€ 16,00	2	12.7.2023	9.5.2024
D2	Cross-sectoral solutions for the climate transition	A competitive and sustainable European battery value chain	HORIZON-CL5-2024-D2-02-04	Accelerated multi-physical and virtual testing for battery aging, reliability and safety evaluation (Batt4EU Partnership)	IA	€ 15,00	2	12.7.2023	9.5.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-01	Alternative equipment and processes for advanced manufacturing of PV technologies	IA	€ 12,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-02	Low-power PV	IA	€ 3,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-03	Demonstration of improved intermediate renewable energy carrier technologies for transport fuels	IA	€ 10,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-04	Improvement of light harvesting and carbon fixation with synthetic biology and/or bio-inspired/biomimetic pathways for renewable direct solar fuels production	RIA	€ 4,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-05	Development of Carbon fixation technologies for biogenic flue gases	RIA	€ 4,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-06	Innovative applications/integration of geothermal heating and cooling in industry	RIA	€ 3,00	3	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-07	Development of hydropower equipment for improving techno-economic efficiency and equipment resilience in refurbishment situations	RIA	€ 4,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-08	Demonstration of sustainable wave energy farms	IA	18-20	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-10	Next generation of renewable energy technologies	RIA	€ 3,00	9	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-11	AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market	IA	€ 5,00	3	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-12	Energy Management Systems for flexibility services	IA	€ 5,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-13	DC and AC/DC hybrid transmission and distribution systems	RIA	€ 6,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-14	Condition & Health Monitoring in Power Electronics (PE) - Wide Band Gap PE for the energy sector	RIA	€ 4,00	3	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-15	HVAC, HVDC and High-Power cable systems	RIA	€5-5.5	3	12.9.2023	16.1.2024

D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-16	Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems	IA	€ 8,00	1	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-01-17	Development and integration of advanced software tools in SCADA systems for High, Medium and Low voltage AC/DC hybrid systems	IA	€ 6,00	2	12.9.2023	16.1.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-01	Digital tools for CSP and solar thermal plants	IA	€ 3,00	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-02	Development of next generation synthetic renewable fuel technologies	RIA	€ 4,00	3	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-03	Development of smart concepts of integrated energy driven bio-refineries for co-production of advanced biofuels, biochemicals and biomaterials	RIA	€ 3,50	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-04	Critical technologies for the future ocean energy farms	RIA	€ 4,00	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-05	PV-integrated electric mobility applications	IA	€ 7,00	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-06	Innovative, Community-Integrated PV systems	IA	€ 5,00	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-07	Resource Efficiency of PV in Production, Use and Disposal	CSA	€ 3,00	1	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	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	€ 5,00	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-09	Demonstrations of innovative floating wind concepts	IA	€ 15,00	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Global leadership in renewable energy	HORIZON-CL5-2024-D3-02-10	Market Uptake Measures of renewable energy systems	CSA	€ 2,00	4	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Carbon Capture, Utilization and Storage (CCUS)	HORIZON-CL5-2024-D3-02-11	CCU for the production of fuels	IA	€ 7,00	2	7.5.2024	5.9.2024
D3	Sustainable, secure and competitive energy supply	Carbon Capture, Utilization and Storage (CCUS)	HORIZON-CL5-2024-D3-02-12	DACCS and BECCS for CO2 removal/negative emissions	IA	€ 5-7m	2	7.5.2024	5.9.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2024-D4-01-01	Low-disruptive renovation processes using integration of prefabricated solutions for energy-efficient buildings	IA	€ 5,00	2	7.12.2023	18.4.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2024-D4-01-02	Smart grid-ready buildings	IA	€ 5,00	2	7.12.2023	18.4.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2024-D4-01-03	Alternative heating systems for efficient, flexible and electrified heat generation in industry	IA	€ 5,30	3	7.12.2023	18.4.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2024-D4-02-01	Industrialisation of sustainable and circular deep renovation workflows (Built4People Partnership)	IA	€ 8,00	2	7.5.2024	5.9.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2024-D4-02-02	Robotics and other automated solutions for construction, renovation and maintenance in a sustainable built environment (Built4People Partnership)	RIA	€ 4,00	2	7.5.2024	5.9.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2024-D4-02-03	BIM-based processes and digital twins for facilitating and optimising circular energy renovation (Built4People)	IA	€ 4,00	2	7.5.2024	5.9.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	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	€ 4,00	2	7.5.2024	5.9.2024
D4	Efficient, sustainable and inclusive energy use	Highly energy-efficient and climate neutral European building stock	HORIZON-CL5-2024-D4-02-05	Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (Built4People)	IA	€ 5,00	2	7.5.2024	5.9.2024
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	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	IA	€ 15,00	2	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2024-D5-01-02	Integration and testing of next generation post 1200V electric powertrains	RIA	€ 15,00	3	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2024-D5-01-03	Advanced battery system integration for next generation vehicles	RIA	€ 10,00	2	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2024-D5-01-04	Integrated flexible multipoint megawatt charging systems for electric truck mass deployment	IA	€ 17,00	2	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2024-D5-01-05	Advanced digital development tools to accelerate the development of software defined vehicles that enable zero-emission mobility	RIA	€ 10,00	2	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Zero Emission Road Transport (ZZERO)	HORIZON-CL5-2024-D5-01-06	New designs, shapes, functionalities of Light Commercial Vehicles	IA	€ 10,00	1	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2024-D5-01-07	Hydrogen powered aviation	IA	€ 20,00	2	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2024-D5-01-08	Accelerating climate neutral hydrogen-powered/electrified aviation	RIA	€ 17,00	4	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2024-D5-01-09	Competitiveness and digital transformation in aviation – advancing further capabilities, digital approach to design	IA	€ 15,00	4	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Aviation	HORIZON-CL5-2024-D5-01-10	Aviation research synergies between Horizon Europe, the	RIA	€ 2,00	1	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWI)	HORIZON-CL5-2024-D5-01-11	Achieving high voltage, low weight, efficient electric powertrains for sustainable waterborne transport	RIA	€ 15,00	2	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWI)	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	IA	€ 15,00	2	7.12.2023	18.4.2023

D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWT)	HORIZON-CL5-2024-D5-01-13	Demonstration of Technologies to minimise underwater noise generated by waterborne transport	IA	€ 6,00	1	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWT)	HORIZON-CL5-2024-D5-01-14	Demonstrating efficient fully DC electric grids within waterborne transport for large ship applications	IA	€ 15,00	2	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWT)	HORIZON-CL5-2024-D5-01-15	Advanced digitalisation and modelling utilizing operational and other data to support zero emission waterborne transport	IA	€ 7,70	1	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWT)	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	CSA	€ 0,85	1	7.12.2023	18.4.2023
D5	Clean and competitive solutions for all transport modes	Waterborne transport (ZEWT)	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	CSA	€ 1,50	1	7.12.2023	18.4.2023
D5	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	€ 7,00	2	7.12.2023	18.4.2023
D6	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	RIA	€ 12,00	2	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2024-D6-01-02	Scenario-based safety assurance of CCAM and related HMI in a dynamically evolving transport system	RIA	€ 14,00	1	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2024-D6-01-03	Orchestration of heterogeneous actors in mixed traffic within the CCAM ecosystem	IA	€ 12,00	2	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2024-D6-01-04	AI for advanced and collective perception and decision making for CCAM applications	RIA	€ 10,00	2	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Connected, Cooperative and Automated Mobility (CCAM)	HORIZON-CL5-2024-D6-01-05	Robust Knowledge and Know-How transfer for Key-Deployment Pathways and implementation of the EU-CEM	CSA	€ 4,00	1	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal 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	€ 10,00	2	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2024-D6-01-07	Scaling up logistics innovations supporting freight transport decarbonisation in an affordable way	IA	€ 20,00	2	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	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	€ 15,00	3	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2024-D6-01-09	Policies and governance shaping the future transport and mobility systems	RIA	€ 3,00	1	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2024-D6-01-10	Ensuring the safety, resilience and security of waterborne digital systems	RIA	€ 8,50	2	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2024-D6-01-11	Effects of disruptive changes in transport: towards resilient, safe and energy efficient mobility	RIA	€ 7,00	2	7.5.2024	5.9.2024
D6	Safe, Resilient Transport and Smart Mobility services for passengers and goods	Multi-modal transport, infrastructure and logistics	HORIZON-CL5-2024-D6-01-12	A new framework to improve traffic safety culture in the EU	RIA	€ 7,00	2	7.5.2024	5.9.2024