

Grozđ 5 (Podnebje, energija, mobilnost)



| 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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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-CLS-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 | 9.05.2023 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-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 | 9.05.2023 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-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 | 9.05.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-02 | PV integration in buildings and in infrastructure | IA | € 8,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-03 | Floating PV Systems | IA | € 7,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-04 | Solar Systems for Industrial Process Heat and Power | IA | € 7,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-05 | Critical technologies for the offshore wind farm of the future | RIA | € 6,00 | 3 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-06 | Demonstration of advanced biofuel technologies for aviation and/or shipping | IA | € 9,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-07 | Demonstration of synthetic renewable fuel technologies for aviation and shipping | IA | € 9,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-08 | Demonstration of sustainable tidal energy farms | IA | € 20,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-09 | Waste heat reutilisation from data centres | IA | € 6,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-11 | Demonstration of DC powered data centre, buildings, industry and ports | IA | € 9,00 | 2 | 13.12.2022 | 30.03.2023 |

Grozd 5 (Podnebje, energija, mobilnost)



| | | | | | | | | | |
|----|---|---|---|--|-----|---------|---|------------|------------|
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-01-13 | Development of novel long-term electricity storage technologies | RIA | € 4-5m | 3 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Carbon Capture, Utilization and Storage (CCUS) | HORIZON-CLS-2023-D3-01-17 | Development of CO2 transport and storage demo | IA | € 20,00 | 2 | 13.12.2022 | 30.03.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-01 | Development of near zero-emission biomass heat and/or CHP including carbon capture | RIA | € 4,00 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-02 | Novel thermal energy storage for Concentrated Solar Power (CSP) | RIA | € 2,50 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Energy Systems, Grids & Storage | HORIZON-CLS-2023-D3-02-03 | Industrial manufacturing for lower-cost solar thermal components and systems | IA | € 3,00 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Efficient, sustainable and inclusive energy use | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-04 | Innovative components and configurations for heat pumps | RIA | € 2,00 | 3 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-05 | Advanced exploration technologies for geothermal resources in a wide range of geological settings | RIA | € 4,00 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-06 | Smart use of geothermal electricity and heating and cooling in the energy system | IA | € 5,00 | 3 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-07 | Development of next generation advanced biofuel technologies | RIA | € 4,00 | 3 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-09 | Demonstration of sustainable hydropower refurbishment | IA | € 8,00 | 1 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-10 | Development of innovative power take-off and control systems for wave energy devices | RIA | € 4,00 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-11 | Advanced concepts for crystalline Silicon technology | RIA | € 3,00 | 3 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-12 | Large Area Perovskite solar cells and modules | IA | € 7,00 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-13 | Operation, Performance and Maintenance of PV Systems | IA | € 5,00 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-14 | Digital twin for forecasting of power production to wind energy demand | RIA | € 6,00 | 2 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2023-D3-02-16 | Accelerating the green transition and energy access in Africa | IA | € 5,00 | 4 | 4.05.2023 | 5.09.2023 |
| D3 | Sustainable, secure and competitive energy supply | Energy Systems, Grids & Storage | HORIZON-CLS-2023-D3-03-01 | Increasing the efficiency of innovative static energy conversion devices for electricity and heat/cold generation | RIA | € 3,00 | 3 | 4.05.2023 | 10.10.2023 |
| D3 | Sustainable, secure and competitive energy supply | Energy Systems, Grids & Storage | HORIZON-CLS-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 | 4.05.2023 | 10.10.2023 |
| D3 | Sustainable, secure and competitive energy supply | Energy Systems, Grids & Storage | HORIZON-CLS-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 | 4.05.2023 | 10.10.2023 |
| D3 | Sustainable, secure and competitive energy supply | Energy Systems, Grids & Storage | HORIZON-CLS-2023-D3-03-04 | Digital tools for enhancing the uptake of digital services in the energy market | IA | € 3-4.0 | 3 | 4.05.2023 | 10.10.2023 |
| D3 | Sustainable, secure and competitive energy supply | Energy Systems, Grids & Storage | HORIZON-CLS-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 | 4.05.2023 | 10.10.2023 |
| D3 | Sustainable, secure and competitive energy supply | Energy Systems, Grids & Storage | HORIZON-CLS-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 | 4.05.2023 | 10.10.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2023-D4-01-01 | Innovative cost-efficient solutions for zero-emission buildings | IA | € 5,00 | 2 | 13.12.2022 | 20.04.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2023-D4-01-02 | Future-proofing historical buildings for the clean energy transition | RIA | € 4,50 | 2 | 13.12.2022 | 20.04.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-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 | 20.04.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-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 | 20.04.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2023-D4-01-05 | Innovative solutions for cost-effective decarbonisation of buildings through electrification | IA | € 12,50 | 2 | 13.12.2022 | 20.04.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Global leadership in renewable energy | HORIZON-CLS-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 | 20.04.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2023-D4-02-01 | Innovative uses of lifecycle data for the management of buildings and buildings portfolios (Built4People) | IA | € 5,00 | 2 | 4.05.2023 | 5.09.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-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 | 4.05.2023 | 5.09.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-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 | 4.05.2023 | 5.09.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2023-D4-02-04 | Fast-tracking and promoting built environment construction and renovation innovation with local value chains (Built4People Partnership) | CSA | € 2,00 | 1 | 4.05.2023 | 5.09.2023 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2023-D4-02-05 | Supporting the creation of an accessible and inclusive built environment (Built4People Partnership) | IA | € 5,00 | 2 | 4.05.2023 | 5.09.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (ZZERO) | HORIZON-CLS-2023-D5-01-01 | User-centric design and operation of EV for optimized energy efficiency (ZZERO Partnership) | IA | € 15,00 | 3 | 13.12.2022 | 20.04.2023 |

Grozđ 5 (Podnebjje, energija, mobilnost)



| | | | | | | | | | |
|----|--|--|---|---|-----|---------|---|------------|------------|
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (ZZERO) | HORIZON-CLS-2023-D5-01-02 | Innovative battery management systems for next generation vehicles (ZZERO & BATT4EU Partnership) | IA | € 10,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (ZZERO) | HORIZON-CLS-2023-D5-01-03 | Frugal zero-emission vehicles concepts for the urban passenger challenge (ZZERO Partnership) | IA | € 20,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (ZZERO) | HORIZON-CLS-2023-D5-01-04 | Circular economy approaches for zero emission vehicles (ZZERO Partnership) | RIA | € 12,00 | 1 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (ZZERO) | HORIZON-CLS-2023-D5-01-05 | Measuring road transport results towards ZZERO KPIs (ZZERO Partnership) | CSA | € 1,00 | 1 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (ZZERO) | HORIZON-CLS-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 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2023-D5-01-07 | Hydrogen powered aviation | IA | € 20,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2023-D5-01-08 | Accelerating climate neutral hydrogen-powered/electrified aviation | RIA | € 17,00 | 4 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2023-D5-01-09 | Competitiveness and digital transformation in aviation – advancing further capabilities, digital approach to design | IA | € 15,00 | 4 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2023-D5-01-10 | Aviation research synergies between Horizon Europe, AZEA and National programs | CSA | € 2,00 | 1 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWZT) | HORIZON-CLS-2023-D5-01-11 | Developing the next generation of power conversion technologies for sustainable alternative carbon neutral fuels in waterborne applications (ZEWZT Partnership) | RIA | € 17,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWZT) | HORIZON-CLS-2023-D5-01-12 | Demonstrations to accelerate the switch to safe use of new sustainable climate neutral fuels in waterborne transport (ZEWZT Partnership) | IA | € 34,00 | 3 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWZT) | HORIZON-CLS-2023-D5-01-13 | Integrated real-time digital solutions to optimise navigation and port calls to reduce emissions from shipping (ZEWZT Partnership) | IA | € 15,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWZT) | HORIZON-CLS-2023-D5-01-14 | Developing a flexible offshore supply of zero emission auxiliary power for ships moored or anchored at sea deployable before 2030 (ZEWZT Partnership) | IA | € 8,50 | 1 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWZT) | HORIZON-CLS-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 (ZEWZT Partnership) | IA | € 9,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWZT) | HORIZON-CLS-2023-D5-01-16 | Developing small, flexible, zero-emission and automated vessels to support shifting cargo from road to sustainable Waterborne Transport (ZEWZT Partnership) | RIA | € 9,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWZT) | HORIZON-CLS-2023-D5-01-17 | Towards the implementation of the inland navigation action programme with a focus on Green and Connected Inland Waterway Transport (ZEWZT Partnership) | CSA | € 1,50 | 1 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Transport related health and environment | HORIZON-CLS-2023-D5-01-18 | Advanced transport emissions monitoring networks | IA | € 10,00 | 2 | 13.12.2022 | 20.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Cross-Cutting | HORIZON-CLS-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 | 20.04.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-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 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-2023-D6-01-02 | Generation of scenarios for development, training, virtual testing and validation of CCAM systems | RIA | € 20,00 | 1 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-2023-D6-01-03 | Infrastructure-enabled solutions for improving the continuity or extension of Operational Design Domains (ODDs) | IA | € 12,00 | 2 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-2023-D6-01-04 | Integrating European diversity in the design, development and implementation of CCAM solutions to support mobility equity | RIA | € 8,00 | 2 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-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 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Multi-modal transport, infrastructure and logistics | HORIZON-CLS-2023-D6-01-06 | Zero-emission e-commerce and freight delivery and return choices by retailers, consumers and local authorities | RIA | € 6,00 | 2 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Multi-modal transport, infrastructure and logistics | HORIZON-CLS-2023-D6-01-07 | Operational automation to support multimodal freight transport | RIA | € 8,00 | 2 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Multi-modal transport, infrastructure and logistics | HORIZON-CLS-2023-D6-01-08 | Future-proof GHG and environmental emissions factors for accounting emissions from transport and logistics operations | CSA | € 3,00 | 1 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Multi-modal transport, infrastructure and logistics | HORIZON-CLS-2023-D6-01-09 | Climate resilient and safe maritime ports | IA | € 14,00 | 2 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Safety and resilience | HORIZON-CLS-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 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Safety and resilience | HORIZON-CLS-2023-D6-01-11 | Aviation safety - Uncertainty quantification for safety and risk management | IA | € 8,50 | 2 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Safety and resilience | HORIZON-CLS-2023-D6-01-12 | New ways of reducing serious injuries and the long-term consequences of road crashes | RIA | € 8,00 | 2 | 4.05.2023 | 5.09.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Cross-Cutting Actions | HORIZON-CLS-2023-D6-01-13 | Support for dissemination events in the field of Transport Research | CSA | € 1,50 | 1 | 4.05.2023 | 5.09.2023 |

Grozd 5 (Podnebje, energija, mobilnost)



| | | | | | | | | | |
|----|--|--|---------------------------|--|-----|---------|---|------------|------------|
| D1 | Climate sciences and responses for the transformation towards climate neutrality | Earth system science | HORIZON-CLS-2024-D1-01-01 | Enhanced quantification and understanding of natural and anthropogenic methane emissions and sinks | RIA | € 15,00 | 1 | 9.12.2023 | 3.05.2024 |
| D1 | Climate sciences and responses for the transformation towards climate neutrality | Earth system science | HORIZON-CLS-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 | 3.05.2024 |
| D1 | Climate sciences and responses for the transformation towards climate neutrality | Earth system science | HORIZON-CLS-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 | 3.05.2024 |
| D1 | Climate sciences and responses for the transformation towards climate neutrality | Earth system science | HORIZON-CLS-2024-D1-01-04 | Improved toolbox for evaluating the climate and environmental impacts of trade policies | RIA | € 12,00 | 2 | 9.12.2023 | 3.05.2024 |
| D1 | Climate sciences and responses for the transformation towards climate neutrality | Earth system science | HORIZON-CLS-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 | 3.05.2024 |
| D1 | Climate sciences and responses for the transformation towards climate neutrality | Earth system science | HORIZON-CLS-2024-D1-01-06 | The role of climate change foresight for primary and secondary raw materials supply | RIA | € 5,00 | 1 | 9.12.2023 | 3.05.2024 |
| D1 | Climate sciences and responses for the transformation towards climate neutrality | Climate-ecosystem interactions | HORIZON-CLS-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 | 3.05.2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-2024-D2-01-01 | Advanced sustainable and safe pre-processing technologies for End-of-Life (EoL) battery recycling (Batt4EU Partnership) | RIA | € 21,00 | 3 | 9.05.2023 | 18/04/2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-2024-D2-01-02 | Non-Li Sustainable Batteries with European Supply Chains for Stationary Storage (Batt4EU Partnership) | IA | € 21,00 | 3 | 9.05.2023 | 18/04/2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-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 | 9.05.2023 | 18/04/2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-2024-D2-01-04 | Emerging energy technologies for a climate neutral Europe | RIA | € 10,00 | 4 | 9.05.2023 | 18/04/2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-2024-D2-02-01 | Sustainable high-throughput production processes for stable lithium metal anodes for next generation batteries (Batt4EU Partnership) | IA | € 8,00 | 1 | 12.07.2023 | 9.05.2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-2024-D2-02-02 | Post-Li-ion technologies and relevant manufacturing techniques for mobility applications (Generation 5) (Batt4EU Partnership) | RIA | € 15,00 | 3 | 12.07.2023 | 9.05.2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-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 | 12.07.2023 | 9.05.2024 |
| D2 | Cross-sectoral solutions for the climate transition | A competitive and sustainable European battery value chain | HORIZON-CLS-2024-D2-02-04 | Accelerated multi-physical and virtual testing for battery aging, reliability and safety evaluation (Batt4EU Partnership) | IA | € 15,00 | 2 | 12.07.2023 | 9.05.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-01 | Alternative equipment and processes for advanced manufacturing of PV technologies | IA | € 12,00 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-02 | Low-power PV | IA | € 3,00 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-03 | Demonstration of improved intermediate renewable energy carrier technologies for transport fuels | IA | € 10,00 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-05 | Development of Carbon fixation technologies for biogenic flue gases | RIA | € 4,00 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-06 | Innovative applications/integration of geothermal heating and cooling in industry | RIA | € 3,00 | 3 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-07 | Development of hydropower equipment for improving techno-economic efficiency and equipment resilience in refurbishment situations | RIA | € 4,00 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-08 | Demonstration of sustainable wave energy farms | IA | 18-20 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-10 | Next generation of renewable energy technologies | RIA | € 3,00 | 9 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-11 | AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market | IA | € 5,00 | 3 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-12 | Energy Management Systems for flexibility services | IA | € 5,00 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-13 | DC and AC/DC hybrid transmission and distribution systems | RIA | € 6,00 | 2 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-14 | Condition & Health Monitoring in Power Electronics (PE) - Wide Band Gap PE for the energy sector | RIA | € 4,00 | 3 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-15 | HVAC, HVDC and High-Power cable systems | RIA | € 5-5.5 | 3 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-01-16 | Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems | IA | € 8,00 | 1 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 12.09.2023 | 16.01.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-01 | Digital tools for CSP and solar thermal plants | IA | € 3,00 | 2 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-02 | Development of next generation synthetic renewable fuel technologies | RIA | € 4,00 | 3 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-04 | Critical technologies for the future ocean energy farms | RIA | € 4,00 | 2 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-05 | PV-integrated electric mobility applications | IA | € 7,00 | 2 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-06 | Innovative, Community-integrated PV systems | IA | € 5,00 | 2 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-07 | Resource Efficiency of PV in Production, Use and Disposal | CSA | € 3,00 | 1 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-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 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-09 | Demonstrations of innovative floating wind concepts | IA | € 15,00 | 2 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Global leadership in renewable energy | HORIZON-CLS-2024-D3-02-10 | Market Uptake Measures of renewable energy systems | CSA | € 2,00 | 4 | 7.05.2024 | 5.09.2024 |

Grozđ 5 (Podnebjje, energija, mobilnost)



| | | | | | | | | | |
|----|--|---|---------------------------|---|-----|---------|---|-----------|------------|
| D3 | Sustainable, secure and competitive energy supply | Carbon Capture, Utilization and Storage (CCUS) | HORIZON-CLS-2024-D3-02-11 | CCU for the production of fuels | IA | € 7,00 | 2 | 7.05.2024 | 5.09.2024 |
| D3 | Sustainable, secure and competitive energy supply | Carbon Capture, Utilization and Storage (CCUS) | HORIZON-CLS-2024-D3-02-12 | DACCS and BECCS for CO2 removal/negative emissions | IA | € 5-7m | 2 | 7.05.2024 | 5.09.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2024-D4-01-01 | Low-disruptive renovation processes using integration of prefabricated solutions for energy-efficient buildings | IA | € 5,00 | 2 | 7.12.2023 | 18.04.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2024-D4-01-02 | Smart grid-ready buildings | IA | € 5,00 | 2 | 7.12.2023 | 18.04.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2024-D4-01-03 | Alternative heating systems for efficient, flexible and electrified heat generation in industry | IA | € 5,30 | 3 | 7.12.2023 | 18.04.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2024-D4-02-01 | Industrialisation of sustainable and circular deep renovation workflows (Built4People Partnership) | IA | € 8,00 | 2 | 7.05.2024 | 5.09.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-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 | 7.05.2024 | 5.09.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2024-D4-02-03 | BIM-based processes and digital twins for facilitating and optimising circular energy renovation (Built4People) | IA | € 4,00 | 2 | 7.05.2024 | 5.09.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-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 | 7.05.2024 | 5.09.2024 |
| D4 | Efficient, sustainable and inclusive energy use | Highly energy-efficient and climate neutral European building stock | HORIZON-CLS-2024-D4-02-05 | Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (Built4People) | IA | € 5,00 | 2 | 7.05.2024 | 5.09.2024 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (2ZERO) | HORIZON-CLS-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 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (2ZERO) | HORIZON-CLS-2024-D5-01-02 | Integration and testing of next generation post 1200V electric powertrains | RIA | € 15,00 | 3 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (2ZERO) | HORIZON-CLS-2024-D5-01-03 | Advanced battery system integration for next generation vehicles | RIA | € 10,00 | 2 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (2ZERO) | HORIZON-CLS-2024-D5-01-04 | Integrated flexible multipoint megawatt charging systems for electric truck mass deployment | IA | € 17,00 | 2 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (2ZERO) | HORIZON-CLS-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 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Zero Emission Road Transport (2ZERO) | HORIZON-CLS-2024-D5-01-06 | New designs, shapes, functionalities of Light Commercial Vehicles | IA | € 10,00 | 1 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2024-D5-01-07 | Accelerating climate neutral aviation, minimising non-CO2 emissions | RIA | € 17,00 | 4 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2024-D5-01-08 | Competitiveness and digital transformation in aviation – advancing further composite aerostructures | RIA | € 16,00 | 4 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2024-D5-01-09 | Impact monitoring of EU Aviation R&I | RIA | € 8,00 | 1 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Aviation | HORIZON-CLS-2024-D5-01-10 | Towards a flying testbed for European leadership in aviation | RIA | € 16,00 | 1 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWT) | HORIZON-CLS-2024-D5-01-11 | Achieving high voltage, low weight, efficient electric powertrains for sustainable waterborne transport | RIA | € 15,00 | 2 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWT) | HORIZON-CLS-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 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWT) | HORIZON-CLS-2024-D5-01-13 | Demonstration of Technologies to minimise underwater noise generated by waterborne transport | IA | € 6,00 | 1 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWT) | HORIZON-CLS-2024-D5-01-14 | Demonstrating efficient fully DC electric grids within waterborne transport for large ship applications | IA | € 15,00 | 2 | 7.12.2023 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWT) | HORIZON-CLS-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 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWT) | HORIZON-CLS-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 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Waterborne transport (ZEWT) | HORIZON-CLS-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 | 18.04.2023 |
| D5 | Clean and competitive solutions for all transport modes | Transport related health and environment | HORIZON-CLS-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 | 18.04.2023 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-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 | 7.05.2024 | 5.09.2024 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-2024-D6-01-02 | Scenario-based safety assurance of CCAM and related HMI in a dynamically evolving transport system | RIA | € 14,00 | 1 | 7.05.2024 | 5.09.2024 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-2024-D6-01-03 | Orchestration of heterogeneous actors in mixed traffic within the CCAM ecosystem | IA | € 12,00 | 2 | 7.05.2024 | 5.09.2024 |
| D6 | Safe, Resilient Transport and Smart Mobility services for passengers and goods | Connected, Cooperative and Automated Mobility (CCAM) | HORIZON-CLS-2024-D6-01-04 | AI for advanced and collective perception and decision making for CCAM applications | RIA | € 10,00 | 2 | 7.05.2024 | 5.09.2024 |

Grozd 5 (Podnebje, energija, mobilnost)



| | | | | | | | | | |
|----|--|--|---------------------------|--|-----|---------|---|-----------|-----------|
| 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 | 7.05.2024 | 5.09.2024 |
| 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 | 7.05.2024 | 5.09.2024 |
| 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 | 7.05.2024 | 5.09.2024 |
| 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 | 7.05.2024 | 5.09.2024 |
| 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 | 7.05.2024 | 5.09.2024 |
| 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 | 7.05.2024 | 5.09.2024 |
| 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 | 7.05.2024 | 5.09.2024 |
| 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 | 7.05.2024 | 5.09.2024 |