

# EUROPOS HORIZONTAS

## 2024 m. KVIETIMAI

### 5 veiksmų grupė „Klimatas, energetika, judumas“

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#### VEIKLŲ TIPAI:

**RIA** – mokslinių tyrimų ir inovacijų veikla (100 % finansavimas)

**IA** – inovacijų veikla (70 % finansavimas, ne pelno siekiančioms organizacijoms – 100 %)

**CSA** – koordinavimo ir paramos veikla (100 % finansavimas)

**COFUND** – bendro finansavimo veikla (100 % finansavimas)

#### FINANSAVIMO MODELIS:

**LS (Lump Sum)** – vienkartinių/nustatytų išmokų modelis

**Action Grant Budget Based** – faktinių išlaidų kompensavimo modelis

#### DESTINATION 1 – CLIMATE SCIENCES AND RESPONSES FOR THE TRANSFORMATION TOWARDS CLIMATE NEUTRALITY

7 KVIETIMAI – [Climate sciences and responses \(HORIZON-CL5-2024-D1-01\)](#)

**Deadline: 2024-03-05**

#### DESTINATION 2 – CROSS-SECTORAL SOLUTIONS FOR THE CLIMATE TRANSITION

5 KVIETIMAI – [Cross-sectoral solutions for the climate transition \(HORIZON-CL5-2024-D2-01\)](#)

**Deadline: 2024-04-18**

3 KVIETIMAI – [Cross-sectoral solutions for the climate transition \(HORIZON-CL5-2024-D2-02\)](#)

**Deadline 2024-09-05**

#### 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), *expected EU contribution per project around 8 million Euro, for 1 project*
- [HORIZON-CL5-2024-D2-02-02](#): Post-Li-ion technologies and relevant manufacturing techniques for mobility applications (Generation 5) (Batt4EU Partnership) - (RIA), *expected EU contribution per project around 5 million Euro, for 3 projects*
- [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), *expected EU contribution per project around 8 million Euro, for 2 projects*

#### DESTINATION 3 – SUSTAINABLE, SECURE AND COMPETITIVE ENERGY SUPPLY

12 KVIETIMŲ – [Sustainable, secure and competitive energy supply \(HORIZON-CL5-2024-D3-02\)](#)

**Deadline: 2025-01-21**

##### Global leadership in renewable energy

- [HORIZON-CL5-2024-D3-02-01](#): Digital tools for CSP and solar thermal plants - (IA, LS), *expected EU contribution per project around 3 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-02](#): Development of next generation synthetic renewable fuel technologies - (RIA), *expected EU contribution per project around 4 million Euro, for 3 projects*
- [HORIZON-CL5-2024-D3-02-03](#): Development of smart concepts of integrated energy driven bio-refineries for co-production of advanced biofuels, bio-chemicals and biomaterials - (RIA), *expected EU contribution per project around 3.50 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-04](#): Critical technologies for the future ocean energy farms - (RIA), *expected EU contribution per project around 4 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-05](#): PV-integrated electric mobility applications - (IA), *expected EU contribution per project around 7 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-06](#): Innovative, Community-Integrated PV systems - (IA), *expected EU contribution per project around 5 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-07](#): Resource Efficiency of PV in Production, Use and Disposal - (CSA, LS), *expected EU contribution per project around 3 million Euro, for 1 project*
- [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,LS), *expected EU contribution per project around 5 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-09](#): Demonstrations of innovative floating wind concepts - (IA), *expected EU contribution per project around 15 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-10](#): Market Uptake Measures of renewable energy systems - (CSA, LS), *expected EU contribution per project around 2 million Euro, for 4 projects*

##### Carbon Capture, Utilization and Storage (CCUS)

- [HORIZON-CL5-2024-D3-02-11](#): CCU for the production of fuels - (IA, LS), *expected EU contribution per project around 7 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D3-02-12](#): DACCS and BECCS for CO2 removal/negative emissions - (IA, LS), *expected EU contribution per project 5 to 7 million Euro, for 3 projects*

#### DESTINATION 4 – EFFICIENT, SUSTAINABLE AND INCLUSIVE ENERGY USE

3 KVIETIMAI – [Efficient, sustainable and inclusive energy use \(HORIZON-CL5-2024-D4-01\)](#)

**Deadline: 2024-04-18**

5 KVIETIMAI – [Efficient, sustainable and inclusive energy use \(HORIZON-CL5-2024-D4-02\)](#)

**Deadline: 2025-01-21**

##### 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, LS), *expected EU contribution per project around 8 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D4-02-02](#): Robotics and other automated solutions for construction, renovation and maintenance in a sustainable built environment (Built4People Partnership) - (RIA), *expected EU contribution per project around 4 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D4-02-03](#): BIM-based processes and digital twins for facilitating and optimising circular energy renovation (Built4People Partnership) - (IA, LS), *expected EU contribution per project around 4 million Euro, for 2 projects*
- [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), *expected EU contribution per project around 4 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D4-02-05](#): Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (Built4People Partnership) - (IA, LS), *expected EU contribution per project around 5 million Euro, for 2 projects*

#### DESTINATION 5 – CLEAN AND COMPETITIVE SOLUTIONS FOR ALL TRANSPORT MODES

18 KVIETIMŲ – [Clean and competitive solutions for all transport modes \(HORIZON-CL5-2024-D5-01\)](#)

**Deadline: 2024-04-18**

#### DESTINATION 6 – SAFE, RESILIENT TRANSPORT AND SMART MOBILITY SERVICES FOR PASSENGERS AND GOODS

12 KVIETIMŲ – [Safe, Resilient Transport and Smart Mobility services for passengers and goods \(HORIZON-CL5-2024-D6-01\)](#)

**Deadline: 2024-09-05**

##### Connected, Cooperative and Automated Mobility (CCAM)

- [HORIZON-CL5-2024-D6-01-01](#): Centralised, reliable, cyber-secure & upgradable in-vehicle electronic control architectures for CCAM connected to the cloud-edge continuum (CCAM Partnership) - (RIA), *expected EU contribution per project around 6 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D6-01-02](#): Scenario-based safety assurance of CCAM and related HMI in a dynamically evolving transport system (CCAM Partnership) - (RIA), *expected EU contribution per project around 14 million Euro, for 1 project*
- [HORIZON-CL5-2024-D6-01-03](#): Orchestration of heterogeneous actors in mixed traffic within the CCAM ecosystem (CCAM Partnership) - (IA), *expected EU contribution per project around 6 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D6-01-04](#): AI for advanced and collective perception and decision making for CCAM applications (CCAM Partnership) - (RIA), *expected EU contribution per project around 5 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D6-01-05](#): Robust Knowledge and Know-How transfer for Key-Deployment Pathways and implementation of the EU-CEM (CCAM Partnership) - (CSA, LS), *expected EU contribution per project around 4 million Euro, for 1 project*

##### Multimodal transport, infrastructure and logistics

- [HORIZON-CL5-2024-D6-01-06](#): Optimising multimodal network and traffic management, harnessing data from infrastructures, mobility of passengers and freight transport - (RIA), *expected EU contribution per project 4 to 5 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D6-01-07](#): Scaling up logistics innovations supporting freight transport decarbonisation in an affordable way - (IA), *expected EU contribution per project around 10 million Euro, for 2 projects*
- [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), *expected EU contribution per project around 5 million Euro, for 3 projects*
- [HORIZON-CL5-2024-D6-01-09](#): Policies and governance shaping the future transport and mobility systems - (RIA, LS), *expected EU contribution per project around 3 million Euro, for 1 project*

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#### Safety and resilience

- [HORIZON-CL5-2024-D6-01-10](#): Ensuring the safety, resilience and security of waterborne digital systems - (RIA), *expected EU contribution per project around 4 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D6-01-11](#): Effects of disruptive changes in transport: towards resilient, safe and energy efficient mobility - (RIA, LS), *expected EU contribution per project 3 to 3.50 million Euro, for 2 projects*
- [HORIZON-CL5-2024-D6-01-12](#): A new framework to improve traffic safety culture in the EU - (RIA, LS), *expected EU contribution per project around 3.50 million Euro, for 2 projects*

### NCP KONTAKTAI

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#### Jolita Česiulytė

Programos „Europos horizontas“,  
Klimatas, energetika, judumas / EURATOMAS  
Lietuvos mokslo taryba, Gedimino pr.3, Vilnius  
Tel. +370 604 78790, el. p. [jolita.cesiulyte@lmt.lt](mailto:jolita.cesiulyte@lmt.lt)

#### Akvilė Eglinskaitė

Programa „Europos horizontas“  
Klimatas, energetika, judumas  
Lietuvos mokslo taryba, Gedimino pr. 3, Vilnius  
Tel. +370 675 69581, el. p. [akvile.eglinskaite@lmt.lt](mailto:akvile.eglinskaite@lmt.lt)