

HORIZON EUROPE INFO DAY

CLUSTER 5 CLIMATE, ENERGY & MOBILITY

19 November 2026
Brussels

Programme

08:30 – 09:30 Registration and welcome coffee

09:30 – 10:30 Opening plenary session:

De Gasperi Room | LIVE CHANNEL 1

Chaired by Matthias LANGEMEYER, Head of Green Research and Innovation, CINEA

09:30 – 09:45 Welcome by Krzysztof KUIK, Clean Planet Director, DG RTD (on behalf of all Cluster 5 co-chair Directors)

09:45 – 10:30 Implementation best practices – how to prepare a good proposal, CINEA

10:30 – 11:15 Parallel session 1

Session 1a | Buildings, Industry

De Gasperi Room | LIVE CHANNEL 1

- HORIZON-CL5-2027-05-D4-05: On-site robotic and automated techniques for building renovation and new construction
- HORIZON-CL5-2027-05-D4-06: Thermal energy optimisation and waste heat recovery of high energy demand IT rooms in buildings or small edge data centres
- HORIZON-CL5-2027-05-D4-07: Integrating circularity in LCA-based modelling frameworks for renovation of buildings (Built4People Partnership)
- HORIZON-CL5-2027-05-D4-09: Demonstration of industrial excess/waste heat conversion to mechanical or electrical power

Session 1b | The Clean Industrial Deal (CID) call

Jenkins Room | LIVE CHANNEL 2

- HORIZON-CID-2027-01-02: R&I in Support of the Clean Industrial Deal: Clean Technologies for Climate Action

Session 1c | Transport-related Health and Environment, Multimodal Transport, Safety and Resilience, Cross-cutting issues

Mansholt Room | LIVE CHANNEL 3

- HORIZON-CL5-2027-03-D5-20: Assessing the effect of airport operations on air quality and noise in nearby communities

HORIZON EUROPE INFO DAY

CLUSTER 5 CLIMATE, ENERGY & MOBILITY

19 November 2026
Brussels



- HORIZON-CL5-2027-06-D6-08: Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity – Societal Readiness pilot
- HORIZON-CL5-2027-06-D6-11: Enhancing Resilience and Accuracy in Positioning, Navigation, and Timing (PNT) Systems and e-conspicuity solutions
- HORIZON-CL5-2027-06-D6-12: Support for dissemination events in the field of Transport Research

11:15 – 11:45 Coffee Break

11:45 – 13:00 Parallel session 2

Session 2a | Renewable Energy

De Gasperi Room | LIVE CHANNEL 1

- HORIZON-CL5-2027-02-D3-07: Concentrated solar thermal systems for decarbonising industrial processes
- HORIZON-CL5-2027-02-D3-08: Co-funding Strategic Energy Technology (SET) Plan renewable fuel value chains at EU, national, regional, and local level
- HORIZON-CL5-2027-02-D3-09: Innovative technologies and solutions to improve wave and tidal energy systems
- HORIZON-CL5-2027-02-D3-10: Renewable Energy Valleys in Africa to increase energy security and energy access in Africa
- HORIZON-CL5-2027-07-D3-11: Demonstration of hydropower technologies for efficient and forward-looking refurbishment of existing hydropower plants
- HORIZON-CL5-2027-02-D3-15: Production technologies for solar photovoltaics beyond the state-of-the-art (EUPI-PV Partnership)
- HORIZON-CL5-2027-07-D3-16: Industrial processes and equipment for innovative, reliable and scalable tandem technologies (EUPI-PV Partnership)
- HORIZON-CL5-2027-07-D3-17: PV based electrification of the economy: Designing & optimising PV systems supporting industrial electrification and promoting participation in electricity markets (EUPI-PV Partnership)
- HORIZON-CL5-2027-02-D3-33: Support to the SET Plan stakeholders' groups in geothermal energy

HORIZON EUROPE INFO DAY

CLUSTER 5 CLIMATE, ENERGY & MOBILITY

19 November 2026
Brussels

Session 2b | Climate Sciences

Jenkins Room | LIVE CHANNEL 2

- HORIZON-CL5-2027-01-D1-07: Advancing understanding, modelling and prediction of extreme events in a changing climate
- HORIZON-CL5-2027-01-D1-08: Paleoclimate science for a better understanding of Earth system dynamics
- HORIZON-CL5-2027-01-D1-09: Assessing the performance of policy instruments to inform climate change mitigation action
- HORIZON-CL5-2027-01-D1-10: Understanding and avoiding maladaptation to climate change
- HORIZON-CL5-2027-01-D1-11: Africa-EU CO-FUND action on climate
- HORIZON-CL5-2027-01-D1-12: Better understanding and attribution of land and ocean carbon sources and sinks
- HORIZON-CL5-2027-01-D1-13: Next generation scenarios for informing climate and sustainability transitions

Session 2c | Towards Zero Emission Road Transport (2Zero), Connected, Cooperative and Automated Mobility (CCAM)

Mansholt Room | LIVE CHANNEL 3

- HORIZON-CL5-2027-03-D5-03: Data-driven circular economy for e-mobility ecosystem (2ZERO Partnership)
- HORIZON-CL5-2027-03-D5-04: Demonstration of zero emission coaches and buses in long distance operations (2ZERO Partnership)
- HORIZON-CL5-2027-03-D5-05: Higher Voltage, Megawatt Charging System compatible, modular powertrain for Heavy Duty Vehicles (HDV) (2ZERO Partnership)
- HORIZON-CL5-2027-03-D5-06: Fire prevention and mitigation for EVs in confined areas (2ZERO Partnership)
- HORIZON-CL5-2027-06-D6-04: Holistic solutions for CCAM integration in critical scenarios (CCAM Partnership)
- HORIZON-CL5-2027-06-D6-05: European CCAM knowledge hub and tools for safe and scalable deployment (CCAM Partnership)

13:00 – 14:15 Lunch Break

14:15 – 15:30 Parallel session 3

HORIZON EUROPE INFO DAY

CLUSTER 5 CLIMATE, ENERGY & MOBILITY

19 November 2026
Brussels

Session 3a | Batteries

De Gasperi Room | LIVE CHANNEL 1

- HORIZON-CL5-2027-02-D2-05: Improvement of Adaptability, Flexibility and Efficiency of Existing Recycling Processes (BATT4EU Partnership)
- HORIZON-CL5-2027-02-D2-06: Sustainable and Competitive Cell Production Techniques for Lithium-ion And Sodium-ion Batteries (BATT4EU Partnership)
- HORIZON-CL5-2027-04-Two-Stage-D2-07: Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials (BATT4EU and IAM4EU Partnerships)
- HORIZON-CL5-2027-05-D2-08: Demonstration for Long-duration Battery Energy Storage Systems (BATT4EU Partnership)

Session 3b | Energy Systems, Grids and Storage (ESGS), Carbon Capture, Utilisation and Storage (CCUS)

Jenkins Room | LIVE CHANNEL 2

- HORIZON-CL5-2027-02-D3-24: Large scale operational validation and upscaling of state-of-the-art (Generative) AI tools and models powering a next generation digital energy system
- HORIZON-CL5-2027-07-D3-25: Advanced TSO control rooms to enhance grid observability, stability and resilience
- HORIZON-CL5-2027-07-D3-26: Advanced Distribution Management Systems (ADSM) for more efficient and flexible distribution grids
- HORIZON-CL5-2027-07-D3-27: Integrated Approaches for Retrofitting Infrastructures with Innovative Energy Storage Technologies
- HORIZON-CL5-2027-07-D3-28: Community of practice - Data-Driven Decision-Making in Energy
- HORIZON-CL5-2027-02-D3-30: Advancements in Direct Air Capture
- HORIZON-CL5-2027-05-D3-31: Support to the implementation of an EU policy framework for CO2 transport and storage infrastructure
- HORIZON-CL5-2027-07-D3-32: Delivery of industrial CCUS clusters – Societal Readiness pilot

Session 3c | Aviation, Zero Emission Waterborne Transport (ZEWTP Partnership)

Mansholt Room | LIVE CHANNEL 3

HORIZON EUROPE INFO DAY

CLUSTER 5 CLIMATE, ENERGY & MOBILITY

19 November 2026
Brussels

- HORIZON-CL5-2027-03-D5-08: Sustainable aircraft circular design and additive manufacturing, towards a climate neutral aviation
- HORIZON-CL5-2027-04-Two-Stage-D5-09: Noise reduction breakthroughs for new ultraefficient aircraft
- HORIZON-CL5-2027-03-D5-14: Onboard renewable energy solutions and energy saving measures to reduce the fuel consumption of ships by at least 55% (ZEWT Partnership)
- HORIZON-CL5-2027-03-D5-15: Prospective evaluation of nuclear power potential for shipping (ZEWT Partnership)
- HORIZON-CL5-2027-03-D5-16: Autonomous vessels in short sea shipping and inland waterways
- HORIZON-CL5-2027-03-D5-17: Innovative Solutions for mitigating the environmental impact of waterborne transport in marine and aquatic Ecosystems (ZEWT Partnership)
- HORIZON-CL5-2027-03-D5-18: Enhanced electric operation and battery durability (ZEWT Partnership)

15:30 – 16:00 Coffee break

16:00 – 19:00 Cluster 5 NCP GREENET Brokerage event

16:00 – 17:00 Pitching session
De Gasperi Room

17:00 – 19:00 Bilateral meetings

De Gasperi Room

Jenkins Room

Mansholt Room

