



Microfluidics
Innovation
Center

DRAFTS - HE CALL CALENDAR 2026/2027

Topic ID	Cluster 5 - Climate, Energy and Mobility	Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
HORIZON-CL5-2026-09-D2-04	Coordinated topic with India on recycling of EV batteries	IA									10			
CID-1-2026	R&I in Support of the Clean Industrial Deal: Clean Technologies for Climate Action	IA									10			
HORIZON-CL5-2026-09-D3-03	Strategic Energy Technology (SET) Plan wind energy research and innovation joint programme	IA									10			
HORIZON-CL5-2026-09-D3-04	De-risking renewable fuel technologies through transnational pre-commercial procurement of renewable fuel industrial value chains	PCP									10			
HORIZON-CL5-2026-09-D3-05	Demonstration of solid biofuel supply and conversion to large scale CHP from fully sustainable regional value chains	IA									10			
HORIZON-CL5-2026-09-D3-06	Concentrated solar thermal systems for decarbonising industrial processes	IA									10			
HORIZON-CL5-2026-09-D3-07	Resource assessment for deep sedimentary and basement reservoirs	RIA									10			
HORIZON-CL5-2026-09-D3-08	Inducement Prize - Lithium production from geothermal plants in Europe	CSA									10			
HORIZON-CL5-2026-09-D3-15	Improved system design for innovative PV applications (EUPI-PV Partnership)	IA									10			
HORIZON-CL5-2026-09-D3-24	Data sharing to support the training and development of AI foundation models in the energy sector	IA									10			

HORIZON-CL5-2026-09-D4-01	Researching the technical, social & economic factors impacting the energy performance of Smart Buildings (Built4People Partnership)	RIA		10
HORIZON-CL5-2026-09-D4-02	Low disturbance prefabrication approaches for deep renovation of multi-storey buildings	IA		10
HORIZON-CL5-2026-09-D4-03	Advanced data platforms to integrate whole life carbon in building information tools, assessments, and certification (Built4People Partnership)	IA		10
HORIZON-CL5-2026-09-D4-04	Validating policies and business models for affordable and sustainable housing (Built4People Partnership)	RIA		10
HORIZON-CL5-2026-09-D4-08	Full-scale demonstration of heat upgrade solutions in industrial processes	IA		10
HORIZON-CL5-2026-10-D5-01	Large Scale Demonstration of Heavy-Duty Battery Electric Vehicles (HD BEV) towards long-haul logistics operations	IA		8
HORIZON-CL5-2026-10-D5-02	Energy-efficient software-defined EVs	IA		8
HORIZON-CL5-2026-10-D5-11	Scalability of Solid Oxide Fuel Cells for waterborne transport (topic in collaboration between the Zero-Emission	RIA		8
HORIZON-CL5-2026-10-D5-12	Shipyards of the future (ZEWT Partnership)	IA		8
HORIZON-CL5-2026-10-D5-13	Safety of renewable low and zero-carbon waterborne fuels in port areas: risk assessment, regulatory framework, and guidelines for safe bunkering, handling and storage (ZEWT partnership)	CSA		8
HORIZON-CL5-2026-10-D5-14	Ports of the future (ZEWT Partnership)	IA		8
HORIZON-CL5-2026-10-D6-01	Flagship-pilot: large-scale demonstrations of CCAM	IA		8
HORIZON-CL5-2026-10-D6-03	Generative AI for smarter CCAM: enhancing perception, decision-making, and validation	RIA		8
HORIZON-CL5-2027-01-D1-07	Next generation climate monitoring and related capabilities	RIA	4	
HORIZON-CL5-2027-01-D1-08	Paleoclimate science for a better understanding of Earth system dynamics	RIA	4	
HORIZON-CL5-2027-01-D1-09	Assessing the performance of policy instruments to inform climate change mitigation action	RIA	4	
HORIZON-CL5-2027-01-D1-10	Understanding and avoiding maladaptation to climate change	RIA	4	

HORIZON-CL5-2027-01-D1-11	Africa-EU CO-FUND action on climate	COFUND	4	
HORIZON-CL5-2027-02-Two-Stage-D1-12	Better understanding and attribution of land and ocean carbon sources and sinks	RIA	4	
HORIZON-CL5-2027-02-Two-Stage-D1-13	Next generation scenarios for informing climate and sustainability transitions	RIA	4	
HORIZON-CL5-2027-03-D2-05	Improvement of Adaptability, Flexibility and Efficiency of Existing Recycling Processes (BATT4EU Partnership)	IA	31	
HORIZON-CL5-2027-03-D2-06	Sustainable and Competitive Cell Production Techniques for Lithium-ion And Sodium-ion Batteries (BATT4EU Partnership)	IA	31	
HORIZON-CL5-2027-03-D3-09	Co-funding Strategic Energy Technology (SET) Plan renewable fuel value chains at EU, national, regional, and local level	COFUND	31	
HORIZON-CL5-2027-03-D3-10	Innovative technologies and solutions to improve wave and tidal energy systems	IA	31	
HORIZON-CL5-2027-03-D3-11	Renewable Energy Valleys in Africa to increase energy security and energy access in Africa	IA	31	
HORIZON-CL5-2027-03-D3-16	Production technologies for solar photovoltaics beyond the state-of-the-art (EUPI-PV Partnership)	IA	31	
HORIZON-CL5-2027-03-D3-25	Large scale operational validation and upscaling of state-of-the-art (Generative) AI tools and models powering a next generation digital energy system	IA	31	
HORIZON-CL5-2027-03-D3-31	Advancements in Direct Air Capture	IA	31	
HORIZON-CL5-2027-03-D3-32	Support to the implementation of an EU policy framework for CO2 transport and storage infrastructure	CSA	31	
HORIZON-CL5-2027-05-D5-03	Data-driven circular economy for e-mobility ecosystem	IA	14	
HORIZON-CL5-2027-05-D5-04	Demonstration of zero emission coaches and buses in long distance operations	IA	14	
HORIZON-CL5-2027-05-D5-05	Higher Voltage, Megawatt Charging System compatible, modular powertrain for Heavy Duty Vehicles (HDV)	IA	14	
HORIZON-CL5-2027-05-D5-06	Fire prevention and mitigation for EVs in confined areas	IA	14	

HORIZON-CL5-2027-05-D5-08	Sustainable aircraft circular design and additive manufacturing, towards a climate neutral aviation	RIA	14	
HORIZON-CL5-2027-05-D5-21	Assessing the effect of airport operations on air quality and noise in nearby communities	RIA	14	
HORIZON-CL5-2027-05-D6-04	Holistic solutions for CCAM integration in critical scenarios	RIA	14	
HORIZON-CL5-2027-05-D6-05	European CCAM knowledge hub and tools for safe and scalable deployment	CSA	14	
HORIZON-CL5-2027-05-D6-08	Enhancing Mobility for All: affordable, reliable, and accessible multimodal transport for inclusive rural and urban connectivity – Societal Readiness pilot	IA	14	
HORIZON-CL5-2027-05-D6-11	Enhancing Resilience and Accuracy in Positioning, Navigation, and Timing (PNT) Systems and e-conspicuity solutions	IA	14	
HORIZON-CL5-2027-05-D6-12	Support for dissemination events in the field of Transport Research	CSA	14	
HORIZON-CL5-2027-06-Two-Stage-D2-07	Novel approaches towards next-generation battery concepts, leveraging the enabling role of innovative advanced materials (BATT4EU and IAM4EU Partnerships)	RIA	14	
HORIZON-CL5-2027-06-Two-Stage-D5-09	Noise reduction breakthroughs for new ultraefficient aircraft	RIA	14	7
HORIZON-CL5-2027-07-D2-08	Demonstration for Long-duration Battery Energy Storage Systems (BATT4EU Partnership)	IA		9
CID-2-2027	R&I in Support of the Clean Industrial Deal: Clean Technologies for Climate Action	IA		9
HORIZON-CL5-2027-07-D3-12	Demonstration of hydropower technologies for efficient and forward-looking refurbishment of existing hydropower plants	IA		9
HORIZON-CL5-2027-07-D3-17	Industrial scale up and circularity pathway for IPV technologies (EUPI-PV Partnership)	IA		9

HORIZON-CL5-2027-07-D3-18	PV based electrification of the economy: Designing & optimising PV systems supporting industrial electrification and promoting participation in electricity markets (EUPI-PV Partnership)	IA	9
HORIZON-CL5-2027-07-D3-26	Advanced TSO control rooms to enhance grid observability, stability and resilience	IA	9
HORIZON-CL5-2027-07-D3-27	Advanced Distribution Management Systems (ADSM) for more efficient and flexible distribution grids	IA	9
HORIZON-CL5-2027-07-D3-28	Integrated Approaches for Retrofitting Infrastructures with Innovative Energy Storage Technologies	IA	9
HORIZON-CL5-2027-07-D3-29	Community of practice - Data-Driven Decision-Making in Energy	CSA	9
HORIZON-CL5-2027-07-D3-33	Delivery of industrial CCUS clusters – Societal Readiness pilot	IA	9
HORIZON-CL5-2027-07-D4-05	On-site robotic and automated techniques for building renovation and new construction	IA	9
HORIZON-CL5-2027-07-D4-06	Thermal energy optimisation and waste heat recovery of high energy demand IT rooms in buildings or small edge data centres	IA	9
HORIZON-CL5-2027-07-D4-07	Integrating circularity in LCA-based modelling frameworks for renovation of buildings (Built4People Partnership)	IA	9
HORIZON-CL5-2027-07-D4-09	Demonstration of industrial excess/waste heat conversion to mechanical or electrical power	IA	9
HORIZON-CL5-2027-08-D5-15	Prospective evaluation of nuclear power potential for shipping (7th Marine Passenger Ferry next generation – demonstrator)	CSA	7
HORIZON-CL5-2027-08-D5-16	Concepts to reduce fuel/fluid power demand in hybrid drivetrains	IA	7
HORIZON-CL5-2027-08-D5-17	Breakthrough transmission mitigation for existing and	RIA	7
HORIZON-CL5-2027-08-D5-18	Demonstration for first-of-its-kind (FOAK) technologies for	RIA	7
HORIZON-CL5-2027-08-D5-19	designing human-centric, energy-efficient, affordable, and	IA	7

Dates in 2026
 Dates in 2027