



APPELS A PROJETS HORIZON EUROPE

Climat/Energie

Appels à venir en 2023

« Cross-sectoral solutions for the climate transition »

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
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)	24 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D2-02-02	New Approaches to Develop Enhanced Safety Materials for Gen 3 Li-Ion Batteries for Mobility Applications (Batt4EU Partnership)	10 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
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)	8 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023

« Sustainable, secure and competitive energy supply » (1)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
HORIZON-CL5-2023-D3-02-01	Development of near zero-emission biomass heat and/or CHP including carbon capture	8 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-02	Novel thermal energy storage for CSP	5 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-03	Industrial manufacturing for lower-cost solar thermal components and systems	6 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-04	Innovative components and configurations for heat pumps	6 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-05	Advanced exploration technologies for geothermal resources in a wide range of geological settings	8 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-06	Smart use of geothermal electricity and heating and cooling in the energy system	15 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-07	Development of next generation advanced biofuel technologies	12 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
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	8 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023

« Sustainable, secure and competitive energy supply » (2)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
HORIZON-CL5-2023-D3-02-09	Demonstration of sustainable hydropower refurbishment	8 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-10	Development of innovative power take-off and control systems for wave energy devices	8 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-11	Advanced concepts for crystalline Silicon technology	9 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-12	Large Area Perovskite solar cells and modules	14 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-13	Operation, Performance and Maintenance of PV Systems	10 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-14	Digital twin for forecasting of power production to wind energy demand	12 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-15	Critical technologies to improve the lifetime, efficient decommissioning and increase the circularity of offshore and onshore wind energy systems	12 000 000	HORIZON Research and Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D3-02-16	Accelerating the green transition and energy access in Africa	20 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023

« Sustainable, secure and competitive energy supply » (3)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
HORIZON-CL5-2023-D3-03-01	Increasing the efficiency of innovative static energy conversion devices for electricity and heat/cold generation	9 000 000	HORIZON Research and Innovation Actions	04/05/2023	10/10/2023
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	12 000 000	HORIZON Innovation Actions	04/05/2023	10/10/2023
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	11 000 000	HORIZON Innovation Actions	04/05/2023	10/10/2023
HORIZON-CL5-2023-D3-03-04	Digital tools for enhancing the uptake of digital services in the energy market	11 000 000	HORIZON Innovation Actions	04/05/2023	10/10/2023
HORIZON-CL5-2023-D3-03-05	Creation of a standardised and open-source peer-to-peer energy sharing platform architecture for the energy sector	5 000 000	HORIZON Innovation Actions	04/05/2023	10/10/2023
HORIZON-CL5-2023-D3-03-06	Components and interfacing for AC & DC side protection system – AC & DC grid: components and systems for grid optimisation	10 000 000	HORIZON Innovation Actions	04/05/2023	10/10/2023

« Sustainable, secure and competitive energy supply » (4)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
HORIZON-CL5-2024-D3-01-01	Alternative equipment and processes for advanced manufacturing of PV technologies	24 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-02	Low-power PV	6 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-03	Demonstration of improved intermediate renewable energy carrier technologies for transport fuels	20 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024
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	8 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-05	Development of carbon fixation technologies for biogenic flue gases	8 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-06	Innovative applications/integration of geothermal heating and cooling in industry	9 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-07	Development of hydropower equipment for improving techno-economic efficiency and equipment resilience in refurbishment situations	8 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-08	Demonstration of sustainable wave energy farms	38 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024

« Sustainable, secure and competitive energy supply » (5)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
HORIZON-CL5-2024-D3-01-09	Africa-EU CO-FUND action	10 000 000	HORIZON Programme Cofund Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-10	Next generation of renewable energy technologies	27 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-11	AI Testing and Experimentation Facility (TEF) for the energy sector – bringing technology to the market	16 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-12	Energy Management Systems for flexibility services	10 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-13	DC and AC/DC hybrid transmission and distribution systems	13 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-14	Condition & Health Monitoring in Power Electronics (PE) - Wide Band Gap PE for the energy sector	13 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-15	HVAC, HVDC and High-Power cable systems	16 000 000	HORIZON Research and Innovation Actions	12/09/2023	16/01/2024
HORIZON-CL5-2024-D3-01-16	Demonstration of innovative pumped storage equipment and tools in combination with innovative storage management systems	8 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024

« Sustainable, secure and competitive energy supply » (6)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
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	12 000 000	HORIZON Innovation Actions	12/09/2023	16/01/2024

« Efficient, sustainable and inclusive energy use » (1)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
HORIZON-CL5-2023-D4-02-01	Innovative uses of lifecycle data for the management of buildings and buildings portfolios (Built4People Partnership)	10 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
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 Partnership)	10 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
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 Partnership)	12 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023
HORIZON-CL5-2023-D4-02-04	Fast-tracking and promoting built environment construction and renovation innovation with local value chains (Built4People Partnership)	2 000 000	HORIZON Coordination and Support Actions	04/05/2023	05/09/2023



« Efficient, sustainable and inclusive energy use » (2)

Topic(s)	Title	Budget disponible (€)	Action(s)	Ouverture	Clôture
HORIZON-CL5-2023-D4-02-05	Supporting the creation of an accessible and inclusive built environment (Built4People Partnership)	10 000 000	HORIZON Innovation Actions	04/05/2023	05/09/2023