Topic Preview 2023–2024
Horizon Europe Work Programme
Cluster 5 "Energy"

Swiss Participation in Horizon Europe

Switzerland is a non-associated third country to Horizon Europe. Restrictions to the participation of Swiss entities may apply in some topics. For more information refer to the Euresearch website.

1. Destinations, Calls, and Topics

Each thematic area under Horizon Europe has its own Work Programme. Work Programmes are divided into destinations, calls, and topics. The Work Programme "Energy" consists of the following destinations:

Destination 2: Cross-sectoral solutions for the climate transition
Destination 3: Sustainable, secure and competitive energy supply
Destination 4: Efficient, sustainable and inclusive energy use

Destination 2: Cross-sectoral solutions for the climate transition

Call: HORIZON-CL5-2024-D2-02 - Cross-sectoral solutions for the climate transition

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
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)	HORIZON-IA	single-stage	05.09.2024
HORIZON-CL5-2024-D2-02-02	Post-Li-ion technologies and relevant manufacturing techniques for mobility applications (Generation 5) (Batt4EU Partnership)	HORIZON-RIA	single-stage	05.09.2024
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)	HORIZON-IA	single-stage	05.09.2024

Destination 3: Sustainable, secure and competitive energy supply

Call: HORIZON-CL5-2024-D3-02 - Sustainable, secure and competitive energy supply

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
Global leadership in renewable energy				
HORIZON-CL5-2024-D3-02-01	Digital tools for CSP and solar thermal plants	HORIZON-IA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-02	Development of next generation synthetic renewable fuel technologies	HORIZON-RIA	single-stage	21.01.2025
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	HORIZON-RIA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-04	Critical technologies for the future ocean energy farms	HORIZON-RIA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-05	PV-integrated electric mobility applications	HORIZON-IA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-06	Innovative, Community-Integrated PV systems	HORIZON-IA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-07	Resource Efficiency of PV in Production, Use and Disposal	HORIZON-CSA	single-stage	21.01.2025
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	HORIZON-RIA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-09	Demonstrations of innovative floating wind concepts	HORIZON-IA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-10	Market Uptake Measures of renewable energy systems	HORIZON-CSA	single-stage	21.01.2025
Carbon Capture, Utilization and Storage (CCUS)				
HORIZON-CL5-2024-D3-02-11	CCU for the production of fuels	HORIZON-IA	single-stage	21.01.2025
HORIZON-CL5-2024-D3-02-12	DACCS and BECCS for CO2 removal/negative emissions	HORIZON-IA	single-stage	21.01.2025

Destination 4: Efficient, sustainable and inclusive energy use

Call: HORIZON-CL5-2024-D4-02 - Efficient, sustainable and inclusive energy use

Topic Identifier	Topic Title	Type of Action	Deadline model	Topic Deadline
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)	HORIZON-IA	single-stage	21.01.2025
HORIZON-CL5-2024-D4-02-02	Robotics and other automated solutions for construction, renovation and maintenance in a sustainable built environment (Built4People Partnership)	HORIZON-RIA	single-stage	21.01.2025
HORIZON-CL5-2024-D4-02-03	BIM-based processes and digital twins for facilitating and optimising circular energy renovation (Built4People Partnership)	HORIZON-IA	single-stage	21.01.2025
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)	HORIZON-RIA	single-stage	21.01.2025
HORIZON-CL5-2024-D4-02-05	Digital solutions to foster participative design, planning and management of buildings, neighbourhoods and urban districts (Built4People Partnership)	HORIZON-IA	single-stage	21.01.2025

2. More Information on Calls and Topics

Funding and Tender Opportunities Portal
The Funding and Tender Opportunities Portal is the online entry point for Horizon Europe applicants. The portal provides the full topic texts, updates, links to regulations etc.

Work Programme (PDF Version)
In addition to the Funding and Tender Opportunities Portal, the PDF version of the Work Programme provides further information on the topic texts (introduction to the policy background, budget overview etc.).

3. Types of Actions

Type of Action (Abbr.)	Type of Action	Funding Rate	Conditions*	Comment
RIA	Research & Innovation Actions	100%	≥ 3 legal entities from ≥ 3 MS/AC**	Establish new knowledge and/or explore the feasibility of a new or improved technology
IA	Innovation Actions	70% (100% for public & non-profit bodies)	≥ 3 legal entities from ≥ 3 MS/AC**	Produce plans & arrangements or designs for new, altered or improved products, processes or services
CSA	Coordination and Support Actions	100%	≥ 1 legal entities from ≥ 3 MS/AC**	Contribute to the objectives of the Horizon Europe Programme, excluding research and innovation activities
PCP	Pre-Commercial Procurement	≥ 100%	≥ 1 MS/AC Public Procurer(s) [≥ 1 MS/AC private and/or NGO procurer(s)]	Enable a transnational buyers' group to reinforce the public procurement of R&I (possibly with first deployment of new solutions)
PPI	Public Procurement of Innovative Solutions	≥ 50%	≥ 1 MS/AC Public Procurer(s) [≥ 1 MS/AC private and/or NGO procurer(s)]	Enable a transnational buyers' group to reinforce the early deployment of innovative solutions by overcoming the fragmentation of demand

* MS: Member State; AC: Associated Country
** Each consortium has to include at least one Member State

4. Partnering Services

Provider	Platform
Euresearch	Overview of Partnering Platforms
European Commission	Funding and Tender Opportunities Portal
European Commission	CORDIS
Enterprise Europe Network (EEN)	Swiss EEN - Innosuisse

5. Further Questions

Your Euresearch Office in the Region for questions regarding formal and administrative matters (proposal submission, eligibility criteria, budgeting, etc.)

Office in your Region

Your National Contact Point for questions concerning the scientific aspects of your proposal.

National Contact Points