

Horizon Europe Funding Opportunities – 2021-2022

Cluster 5 – Climate, Energy and Mobility

ISERD is the interface between the Israeli government and the EU, for all the activities of the Framework Programme. Our goal is to promote participation of Israeli entities in European research and innovation (R&I) activity and to increase Israel's scientific and industrial collaboration with the European R&I ecosystem. ISERD holds events, information days, and [monthly Orientation Presentations](#), providing more information about funding opportunities

Horizon Europe (HEU)

HEU is a 95.5-billion-euro funding programme for R&I, that covers all major scientific and technological disciplines, and encourages collaborative projects (consortia) for a joint goal.

- Consortium –
 - ✓ At least 3 partners from 3 different countries participating in the programme
 - ✓ Out of the 3, at least one partner must be from an EU country
 - ✓ A partner can be any legal entity – university, company, agency, organisation, etc...

- Funding Tools –

Action	Funding*	Technology Readiness Level	Main Characteristics
RIA – Research & Innovation Action	100% + 25%	Low TRL (4-6)	Basic and applied research , technology development and integration, testing and validation - small-scale prototype in laboratory or simulated environment
IA – Innovation Action	70% + 25%	High TRL (6-8)	Prototyping , testing, demonstrating, piloting, large-scale product validation and market replication
CSA - Coordination & Support Action	100% + 25%		Networking , coordination or support services , policy dialogues and mutual learning exercises and studies

* Non-profit: always 100% + 25% overhead

DISCLAIMER: The participation of Israeli entities, as Associated Country (Ac) members in Horizon Europe projects is subject to the signing of the 'Association Agreement' to the programme between Israel and the EU, before the project's Grant Agreement (GA) is signed.

HEU Orientation
Presentation

Events

Previous Funded
Projects

Additional Funding
Opportunities

For further information:

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Topic	Expected TRL	Topic Budget [M€]	No. of Projects	Action	Deadline [dd.mm.yyyy]
Destination 4 - Efficient, sustainable and inclusive energy use					
HORIZON-CL5-2021-D4-01-01: Advanced energy performance assessment and certification	6-7	3-5	2	IA	19.10.21
HORIZON-CL5-2021-D4-01-02: Industrialisation of deep renovation workflows for energy-efficient buildings	8	5-8	2	IA	19.10.21
HORIZON-CL5-2021-D4-01-03: Advanced data-driven monitoring of building stock energy performance	8	3-5	2	IA	19.10.21
HORIZON-CL5-2021-D4-01-04: Full-scale demonstration of heat upgrade technologies with supply temperature in the range 90 - 160°C	7-8	8	2	IA	19.10.21
HORIZON-CL5-2021-D4-01-05: Industrial excess (waste) Heat-to-Power conversion based on organic Rankine cycles	6-7	10-14	2	IA	19.10.21
Destination 4 - Efficient, sustainable and inclusive energy use					
HORIZON-CL5-2021-D4-02-01: Demonstrating integrated technology solutions for buildings with performance guarantees (Built4People)	6-7	5-7	2	IA	25.1.22
HORIZON-CL5-2021-D4-02-02: Cost-effective, sustainable multi-functional and/or prefabricated holistic renovation packages, integrating RES and including re-used and recycled materials (Built4People)	7	9-11	2	IA	25.1.22
HORIZON-CL5-2021-D4-02-03: Strengthening European coordination and exchange for innovation uptake towards sustainability, quality, circularity and social inclusion in the built environment as a contribution to the new European Bauhaus (Built4People)		1	1	CSA	25.1.22
Destination 4 - Efficient, sustainable and inclusive energy use					
HORIZON-CL5-2022-D4-01-01: Demand response in energy-efficient residential buildings	6-7	4-6	2	IA	6.9.22

Topic	Expected TRL	Topic Budget [M€]	No. of Projects	Action	Deadline [dd.mm.yyyy]
HORIZON-CL5-2022-D4-01-02: Renewable-intensive, energy positive homes	6-7	4-6	2	IA	6.9.22
HORIZON-CL5-2022-D4-01-03: Smarter buildings for better energy performance	8	4-6	2	IA	6.9.22
HORIZON-CL5-2022-D4-01-04: Development and pilot demonstration of heat upgrade technologies with supply temperature in the range 150-250°C	5	3-5	2	RIA	6.9.22
HORIZON-CL5-2022-D4-01-05: Development of high temperature thermal storage for industrial applications	4-5	3-4	2	RIA	6.9.22
HORIZON-CL5-2022-D4-02-01: Designs, materials and solutions to improve resilience, preparedness & responsiveness of the built environment for climate adaptation (Built4People)	6-7	5-7.5	2	IA	24.1.23
HORIZON-CL5-2022-D4-02-02: Solutions for the sustainable, resilient, inclusive and accessible regeneration of neighbourhoods enabling low carbon footprint lifestyles and businesses (Built4People)	6-7	5-7.5	2	IA	24.1.23
HORIZON-CL5-2022-D4-02-03: Sustainable and resource-efficient solutions for an open, accessible, inclusive, resilient and low-emission cultural heritage: prevention, monitoring, management, maintenance, and renovation (Built4People)	5	4-5	4	RIA	24.1.23
HORIZON-CL5-2022-D4-02-04: Smart-grid ready and smart-network ready buildings, acting as active utility nodes (Built4People)	7	6-9	2	IA	24.1.23
HORIZON-CL5-2022-D4-02-05: More sustainable buildings with reduced embodied energy / carbon, high life-cycle performance and reduced life-cycle costs (Built4People)	6-7	5-7.5	2	IA	24.1.23