

Horizon Europe Funding Opportunities – 2021-2022

Destination 2 – Cross-sectoral solutions for the climate transition

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:

Ofir Weltsch Loyal | Ofir.Weltsch@iserd.org.il | +972-3- 5118181

Topic	Expected TRL	Topic Budget [M€]	No. of Projects	Action	Deadline [dd.mm.yyyy]
Destination 2 – Cross-sectoral solutions for the climate transition					
A competitive and sustainable European battery value chain					
HORIZON-CL5-2021-D2-01-01: Sustainable processing, refining and recycling of raw materials (Batteries Partnership)	4-5	21	3	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-02: Advanced high-performance Generation 3b (high capacity / high voltage) Li-ion batteries supporting electro mobility and other applications (Batteries Partnership)	6	24	3	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-03: Advanced high-performance Generation 4a, 4b (solid-state) Li-ion batteries supporting electro mobility and other applications (Batteries Partnership)	5	36	4	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-04: Environmentally sustainable processing techniques applied to large scale electrode and cell component manufacturing for Li ion batteries (Batteries Partnership)	5-6	20	4	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-05: Manufacturing technology development for solid-state batteries (SSB, Generations 4a - 4b batteries) (Batteries Partnership)	5-6	24	3	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-06: Sustainable, safe and efficient recycling processes (Batteries Partnership)	5-6	30	3	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-07: Support for establishment of R&I ecosystem, developing strategic forward-looking orientations to ensure future skills development, knowledge and technological leadership for accelerated disruptive technology exploration and uptake (Batteries Partnership)	-	3	1	CSA	19.10.2021
HORIZON-CL5-2022-D2-01-01: Sustainable processing and refining of battery grade graphite (Batteries Partnership)	6-7	10	2	IA*	06.09.2022
HORIZON-CL5-2022-D2-01-02: Interface and electron monitoring for the engineering of new and emerging battery technologies (Batteries Partnership)	3-4	10	2	RIA	06.09.2022

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HORIZON-CL5-2022-D2-01-03: Furthering the development of a materials acceleration platform for sustainable batteries (combining AI, big data, autonomous synthesis robotics, high throughput testing) (Batteries Partnership)	3-4	20	1	RIA	06.09.2022
HORIZON-CL5-2022-D2-01-04: Towards creating an integrated manufacturing value chain in Europe: from machinery development to plant and site integrated design (Batteries Partnership)	6	13	2	IA*	06.09.2022
HORIZON-CL5-2022-D2-01-05: Next generation technologies for High-performance and safe-by-design battery systems for transport and mobile applications (Batteries Partnership)	5	15	3	RIA	06.09.2022
HORIZON-CL5-2022-D2-01-06: Embedding smart functionalities into battery cells (embedding sensing and self-healing functionalities to monitor and self-repair battery cells) (Batteries Partnership)	2-4	15	3	RIA	06.09.2022
HORIZON-CL5-2022-D2-01-07: Digitalisation of battery testing, from cell to system level, including lifetime assessment (Batteries Partnership)	5-6	15	3	RIA	06.09.2022
HORIZON-CL5-2022-D2-01-08: Coordination of large-scale initiative on future battery technologies (Batteries Partnership)	-	3	1	CSA	06.09.2022
HORIZON-CL5-2022-D2-01-09: Physics and data-based battery management for optimised battery utilisation (Batteries Partnership)	4	15	3	RIA	06.09.2022
HORIZON-CL5-2022-D2-01-10: Streamlined collection and reversed logistics, fully automated, safe and cost-efficient sorting, dismantling and second use before recycling (Batteries Partnership)	5-7	15	3	RIA	06.09.2022
Emerging breakthrough technologies and climate solutions					
HORIZON-CL5-2021-D2-01-08: Emerging technologies for a climate neutral Europe	4	20	8	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-09: Methane cracking to usable hydrogen and carbon	5	15	2	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-10: Technologies for non-CO2 greenhouse gases removal	-		2	RIA	19.10.2021

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HORIZON-CL5-2021-D2-01-11: Direct atmospheric carbon capture and conversion	4-5		2	RIA	19.10.2021
Citizens and stakeholder engagement					
HORIZON-CL5-2021-D2-01-12: Fostering a just transition in Europe	-	10	3	RIA	19.10.2021
HORIZON-CL5-2021-D2-01-13: Strengthening Social Sciences and Humanities (SSH) research communities in climate, energy and mobility disciplines	-	3	1	CSA	19.10.2021
HORIZON-CL5-2021-D2-01-14: Accelerating the climate transition in difficult contexts: transition super-labs (pilot)	-	2	1	CSA	19.10.2021
Communities and cities					
HORIZON-CL5-2021-D2-01-16: Co-Funded Partnership: Driving Urban Transitions to a sustainable future (DUT)	-	37		Cofund Actions	19.10.2021
HORIZON-CL5-2022-D2-01-11: CIVITAS 2030 – Coordination and support for EU funded urban mobility innovation	-	5	1	CSA	06.09.2022

* The funding rate is 60% of the eligible costs