

Horizon Europe Funding Opportunities – 2021-2022

Destination 5 – Clean and competitive solutions for all transport modes

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	Budget per Grant [M€]	No. of Projects	Action	Deadline
Zero-emission road transport					
HORIZON-CL5-2022-D5-01-08 : Modular multi-powertrain zero-emission systems for HDV (BEV and FCEV) for efficient and economic operation (2ZERO)	7-8	15-20	3	IA*	26.4.22
HORIZON-CL5-2022-D5-01-09 : Nextgen EV components: High efficiency and low cost electric motors for circularity and low use of rare resources (2ZERO)	5-7	3-6	4	RIA	26.4.22
HORIZON-CL5-2022-D5-01-10 : New generation of full electric urban and peri-urban Bus Rapid Transit systems to strengthen climate-friendly mass transport (2ZERO)	7-8	20-25	1	IA*	26.4.22
HORIZON-CL5-2022-D5-01-11 : Stimulating Road Transport research and innovation dissemination and implementation in Europe and around the World	-	2	1	CSA	26.4.22
Aviation					
HORIZON-CL5-2022-D5-01-12 : Towards a silent and ultra-low local air pollution aircraft	4	2-5	5	RIA	26.4.22
HORIZON-CL5-2022-D5-01-13 : Digital aviation technologies for new aviation business models, services, emerging global threats and industrial competitiveness	4	2-5	5	RIA	26.4.22
HORIZON-CL5-2022-D5-01-14 : European Aviation Research Policy in support to EU policies and initiatives	4	0.2-2.5	3	RIA	26.4.22
Enabling climate neutral, clean, smart, and competitive waterborne transport					
HORIZON-CL5-2022-D5-01-01 : Exploiting electrical energy storage systems and better optimising large battery electric power within fully battery electric and hybrid ships (ZEWT Partnership)	7	8	2	IA*	26.4.22
HORIZON-CL5-2022-D5-01-02 : Innovative non-battery electric energy storage systems on-board vessels (ZEWT Partnership)	5	3	3	RIA	26.4.22
HORIZON-CL5-2022-D5-01-03 : Exploiting renewable energy for shipping, in particular focusing on the potential of wind energy (ZEWT Partnership)	5	9	2	RIA	26.4.22

Topic	Expected TRL	Budget per Grant [M€]	No. of Projects	Action	Deadline
HORIZON-CL5-2022-D5-01-04 : Transformation of the existing fleet towards greener operations through retrofitting (ZEWTP Partnership)	7-8	5	5	IA*	26.4.22
HORIZON-CL5-2022-D5-01-05 : Seamless safe logistics through an autonomous waterborne freight feeder loop service	5	15	1	RIA	26.4.22
HORIZON-CL5-2022-D5-01-06 : Computational tools for shipbuilding	7-8	7	1	IA	26.4.22
Impact of transport on environment and human health					
HORIZON-CL5-2022-D5-01-07 : Prevent smog episodes in Europe: Air quality impact of engine-emitted volatile, semi volatile and secondary particles	5	2.5-3	3	RIA	26.4.22