

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	Budget per Grant [M€]	No. of Projects	Action	Deadline
Destination 6 – Safe, Resilient Transport and Smart Mobility services for passengers and goods					
Connected, Cooperative and Automated Mobility (CCAM)					
HORIZON-CL5-2021-D6-01-01: More powerful and reliable on-board perception and decision-making technologies addressing complex environmental conditions (CCAM Partnership)	6-7	6-8	2	IA*	19.10.2021
HORIZON-CL5-2021-D6-01-02: Common approaches for the safety validation of CCAM systems (CCAM Partnership)	5	12-15	1	RIA	19.10.2021
HORIZON-CL5-2021-D6-01-03: Physical and Digital Infrastructure (PDI), connectivity and cooperation enabling and supporting CCAM (CCAM Partnership)	6-7	7-9	2	IA*	19.10.2021
HORIZON-CL5-2021-D6-01-04: Cyber secure and resilient CCAM (CCAM Partnership)	5	5-6	2	RIA	19.10.2021
HORIZON-CL5-2021-D6-01-05: Analysis of socio-economic and environmental impacts and assessment of societal, citizen and user aspects for needs based CCAM solutions (CCAM Partnership)	-	3-4	2	RIA	19.10.2021
HORIZON-CL5-2021-D6-01-06: Framework for better coordination of large-scale demonstration pilots in Europe and EU-wide knowledge base (CCAM Partnership)	-	5-6	1	RIA	19.10.2021
HORIZON-CL5-2022-D6-01-01: European demonstrators for integrated shared automated mobility solutions for people and goods (CCAM Partnership)	7	20-25	2	IA*	12. 1.2022
HORIZON-CL5-2022-D6-01-02: Reliable occupant protection technologies and HMI solutions to ensure the safety of highly automated vehicles (CCAM Partnership)	5	6-8	1	RIA	12. 1.2022
HORIZON-CL5-2022-D6-01-03: Human behavioural model to assess the performance of CCAM solutions compared to human driven vehicles (CCAM Partnership)	4	7-8	1	RIA	12. 1.2022
HORIZON-CL5-2022-D6-01-04: Integrate CCAM services in fleet and traffic management systems (CCAM Partnership)	6-7	4-5	2	IA*	12. 1.2022

Topic	Expected TRL	Budget per Grant [M€]	No. of Projects	Action	Deadline
HORIZON-CL5-2022-D6-01-05: Artificial Intelligence (AI): Explainable and trustworthy concepts, techniques and models for CCAM (CCAM Partnership)	5	5-6	2	RIA	12. 1.2022
Multimodal and sustainable transport systems for passengers and goods					
HORIZON-CL5-2021-D6-01-07: More efficient and effective multimodal freight transport nodes to increase flexibility, service visibility and reduce the average cost of freight transport	7-8	7-8	2	IA	19.10.2021
HORIZON-CL5-2021-D6-01-08: New delivery methods and business/operating models to green the last mile and optimise road transport	-	7-8	2	IA	19.10.2021
HORIZON-CL5-2021-D6-01-09: Climate resilient and environmentally sustainable transport infrastructure, with a focus on inland waterways	7	7.5	3	IA	19.10.2021
HORIZON-CL5-2022-D6-02-01: Logistics networks integration and harmonisation through operational connectivity to optimise freight flows and drive logistics to climate neutrality	6-7	7-8	2	IA	6.9.2022
HORIZON-CL5-2022-D6-02-02: Urban logistics and planning: anticipating urban freight generation and demand including digitalisation of urban freight	-	7-8	2	IA	6.9.2022
HORIZON-CL5-2022-D6-02-03: Smart enforcement for resilient, sustainable and more efficient transport operations	-	4	2	RIA	6.9.2022
HORIZON-CL5-2022-D6-02-04: Accelerating the deployment of new/shared mobility services for the next decade	7-8	8-10	2	IA	6.9.2022
HORIZON-CL5-2022-D6-02-05: Advanced multimodal network and traffic management for seamless door-to-door mobility of passengers and freight transport	5-6	4-5	3	RIA	6.9.2022
HORIZON-CL5-2022-D6-02-06: Smart and efficient ways to construct, maintain and decommission with zero emissions from transport infrastructure	7	5	2	IA	6.9.2022

Topic	Expected TRL	Budget per Grant [M€]	No. of Projects	Action	Deadline
HORIZON-CL5-2022-D6-02-07: New concepts and approaches for resilient freight transport and logistics networks against disruptive events (including pandemics)	-	4	2	RIA	6.9.2022
Safety and resilience - per mode and across all transport modes					
HORIZON-CL5-2021-D6-01-10: Testing safe lightweight vehicles and improved safe human-technology interaction in the future traffic system	5-6	3.5-4	3	RIA	19.10.2021
HORIZON-CL5-2021-D6-01-11: Radical improvement of road safety in low and medium income countries in Africa	5-6	4	2	RIA	19.10.2021
HORIZON-CL5-2021-D6-01-12: Controlling infection on large passenger ships	5	3-5	2	RIA	19.10.2021
HORIZON-CL5-2021-D6-01-13: Safe automation and human factors in aviation – intelligent integration and assistance	6	4-8	2	IA	19.10.2021
HORIZON-CL5-2022-D6-01-06: Predictive safety assessment framework and safer urban environment for vulnerable road users	5-6	4-4.33	3	RIA	12. 1.2022
HORIZON-CL5-2022-D6-01-07: More resilient aircraft and increased survivability	6	4-8	1	IA	12. 1.2022
HORIZON-CL5-2022-D6-01-08: Safer navigation and tackling containership fires	7	3.5-6	2	IA	12. 1.2022

* The funding rate is 60% of the eligible costs