

Horizon Europe Funding Opportunities – 2021-2022

Cluster 5 – Clean and competitive solutions for all transport modes

ISERD is the interface between the Israeli government and the European Union, encouraging Israeli entities to participate in funding opportunities, and assisting in the process. ISERD holds events, information days, and [monthly Orientation Presentations](#) to give more information about funding opportunities

Horizon Europe -

[Horizon Europe](#) is a 95 billion euro funding programme for innovation and research, that covers all major scientific and technological disciplines, and encourages collaborative projects (consortium) 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*	Main Characteristics
RIA – Research & Innovation Action	100% + 25%	Basic and applied research , technology development and integration, testing and validation - small-scale prototype in laboratory or simulated environment
IA – Innovation Action	70% + 25%	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%

השתתפות תלויה בחתימת מדינת ישראל על הסכם אסוציאציה לפני חתימה על הסכם הפרויקט;
הכתוב בעלון מבוסס על טיוטת התוכנית, ולפיכך נתון לשינויים – עד לאישור הסופי של תוכניות העבודה

Partner Search

Full Work Programme

Previous Winning Projects

Additional Funding Opportunities

DISCLAIMER - The participation of Israeli entities, as associated country members in Horizon Europe projects is subject to the signing of the 'Association Agreement' to the programme between Israel and the EU.

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Destination 5: Clean and competitive solutions for all transport modes

Zero-emission road transport

Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
C5-D5-ZERT-02-2021	Nextgen vehicles: Innovative zero emission BEV architectures for regional freight haulage	10-15			IA	7-8
C5-D5-ZERT-03-2021	Nextgen EV components: Integration of advanced power electronics and associated controls	4-6			RIA	5-6
C5-D5-ZERT-07-2021	System approach to achieve optimised Smart EV Charging and V2X flexibility in mass-deployment conditions	7-10			RIA	5-7
C5-D5-BAT-ZERT-20-2021	LCA and design for sustainable circularity - holistic approach for zero-emission mobility solutions and related battery value chain	4			CSA	

Aviation

C5-D5-AVI-01-2021	Greenhouse gas aviation emissions reduction technologies towards climate neutrality by 2050	2-8			RIA	2-4
C5-D5-AVI-02-2021	Next generation digital aircraft transformation in design, manufacturing, integration and maintenance	3-6			RIA	2-4

Enabling low-carbon, clean, smart, and competitive waterborne transport						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
C5-D5-WAT-01-2021	Enabling the safe and efficient on-board storage and integration within ships of large quantities of ammonia and hydrogen fuels	10			IA	6-7
C5-D5-WAT-02-2021	Enabling the full integration of very high power fuel cells in ship design using co-generation and combined cycle solutions for increased efficiency with multiple fuels	15			RIA	5
C5-D5-WAT-03-2021	CSA identifying waterborne sustainable fuel deployment scenarios	0.5			CSA	
C5-D5-WAT-04-2021	Innovative on-board energy saving solutions	5			RIA	5
C5-D5-WAT-05-2021	Hyper powered vessel battery charging system	7			IA	6-7
C5-D5-WAT-06-2021	Assessing and preventing methane slip from LNG engines in all conditions within both existing and new vessels	7			IA	7
C5-D5-WAT-07-2021	Digital Twin models to enable green ship operations	7			RIA	5
C5-D5-WAT-08-2021	Proving the feasibility of a large clean ammonia marine engine	10			IA	6-7

C5-D5-WAT-16-2021	Computational tools for shipbuilding	7			IA	7-8

Impact of transport on environment and human health						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
C5-D5-THE-01-2021	Development and demonstration of cost affordable and adaptable retrofit solutions for tailpipe and brake polluting emissions	4-5			IA	8
C5-D5-THE-02-2021	Assessment of noise and particle emissions of L category vehicles from real driving conditions	4-5			RIA	5-6