

# Horizon Europe Funding Opportunities | 2022

## Cluster 4 - Digital, Industry and Space

**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.

### Horizon Europe (HEU)

**HEU** is a 95-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 – <b>Research &amp; Innovation Action</b>	100% + 25%	Low TRL (4-6)	Basic and applied <b>research</b> , technology development and integration, <b>testing</b> and validation - small-scale prototype in laboratory or simulated environment
IA – <b>Innovation Action</b>	70% + 25%	High TRL (6-8)	<b>Prototyping</b> , testing, demonstrating, piloting, large-scale product validation and <b>market replication</b>
CSA - <b>Coordination &amp; Support Action</b>	100% + 25%		<b>Networking</b> , coordination or <b>support services</b> , policy dialogues and mutual learning exercises and studies

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

\*\* Some IA calls are 60% instead of 70% - specified in the tables below

**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, before the project's Grant Agreement (GA) is signed.

[HEU Orientation Presentation](#)

[Events](#)

[Previous Funded Projects](#)

[Cluster 4 Work Program](#)

#### For further Information:

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Topic	Expected TRL	Topic Budget [M€]	Action	Deadline [dd.mm.yyyy]
<b>DESTINATION – DIGITAL AND EMERGING TECHNOLOGIES FOR COMPETITIVENESS AND FIT FOR THE GREEN DEAL</b>				
Call Opening: 16.06.2022				
Innovation in AI, Data and Robotics				
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-05:</a> <b>AI, Data and Robotics for Industry optimisation (including production and services)</b> <i>(AI, Data and Robotics Partnership)</i>	Start: TRL 3-5 End: TRL 6-7	19 (3-5 per project)	IA FSTP	16.11.2022
Tomorrow's deployable Robots: efficient, robust, safe, adaptive and trusted				
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-06:</a> <b>Pushing the limit of physical intelligence and performance</b>	Start: TRL 2-3 End: TRL 4-5	28.5 (~4 per project)	RIA	16.11.2022
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-07:</a> <b>Increased robotics capabilities demonstrated in key sectors</b> <i>(AI, Data and Robotics Partnership)</i>	Start: TRL 3-5 End: TRL 6-7	36 (~6 per project)	IA FSTP	16.11.2022
Graphene: Europe in the lead				
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-17:</a> <b>New generation of advanced electronic and photonic 2D materials-based devices, systems, and sensors</b>	Start: TRL 3-4 End: TRL 5	16.5 (~16.5 per project)	RIA	16.11.2022
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-18:</a> <b>2D materials-based devices and systems for energy storage and/or harvesting</b>	Start: TRL 3-4 End: TRL 5	9 (~9 per project)	RIA	16.11.2022
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-19:</a> <b>2D materials-based devices and systems for biomedical applications</b>	Start: TRL 3-4 End: TRL 5	6 (~6 per project)	RIA	16.11.2022
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-20:</a> <b>2D-material-based composites, coatings, and foams</b>	Start: TRL 4-5 End: TRL 6-7	9 (~9 per project)	IA	16.11.2022
<a href="#">HORIZON-CL4-2022-DIGITAL-EMERGING-02-22:</a> <b>Supporting the coordination of the Graphene Flagship projects</b>	-	3 (~3 per project)	CSA	16.11.2022
<b>DESTINATION – A HUMAN-CENTRED AND ETHICAL DEVELOPMENT OF DIGITAL AND INDUSTRIAL TECHNOLOGIES</b>				
Call Opening: 16.06.2022				
Leadership in AI based on trust				
<a href="#">HORIZON-CL4-2022-HUMAN-02-01:</a> <b>AI for human empowerment</b> <i>(AI, Data and Robotics Partnership)</i>	Start: TRL 2-3 End: TRL 4-5	16 (~4 per project)	RIA	16.11.2022
<a href="#">HORIZON-CL4-2022-HUMAN-02-02:</a> <b>European Network of AI Excellence Centres: Expanding the European AI lighthouse</b>	Start: TRL 2-3 End: TRL 4-5	34.5 (11.5~ per project)	RIA FSTP	16.11.2022