

# Horizon Europe Funding Opportunities – 2021-2022

## Fair, healthy and environmentally-friendly food systems from primary production to consumption

**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 – <b>Research &amp; Innovation Action</b>	100% + 25%	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%	<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%

ההשתתפות תלויה בחתימת מדינת ישראל על הסכם אסוציאציה לפני חתימה על הסכם הפרויקט

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.

For more information:

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Destination 2 – Fair, healthy and environmentally-friendly food systems from primary production to consumption						
Enabling sustainable farming						
Code	Topic	Budget (M€)	Deadline	No. of Projects (total budget)	Type	TRL to achieve
HORIZON-CL6-2021-FARM2FORK-01-01	<a href="#">Reaching the farm to fork target: R&amp;I scenarios for boosting organic farming and organic aquaculture in Europe</a>	4	06.10.2021	1 (4M)	RIA	6
HORIZON-CL6-2021-FARM2FORK-01-02	<a href="#">Developing sustainable and competitive land-based protein crop systems and value chains</a>	9	06.10.2021	1 (9M)	IA	
HORIZON-CL6-2021-FARM2FORK-01-03	<a href="#">Digitalisation as an enabler of agroecological farming systems</a>	2	06.10.2021	1 (2M)	CSA	
HORIZON-CL6-2021-FARM2FORK-01-04	<a href="#">Tackling outbreaks of plant pests</a>	7	06.10.2021	2 (14M)	RIA	5
HORIZON-CL6-2021-FARM2FORK-01-05	<a href="#">Animal welfare 2.0</a>	8	06.10.2021	1 (8M)	RIA	
HORIZON-CL6-2021-FARM2FORK-01-06	<a href="#">Vaccines and diagnostics for priority animal diseases</a>	6	06.10.2021	2 (12M)	IA	6-7

HORIZON-CL6-2021-FARM2FORK-01-07	<a href="#">Research &amp; innovation roadmap for blockchain technologies in the agri-food sector</a>	3	06.10.2021	1 (3M)	CSA	
HORIZON-CL6-2021-FARM2FORK-01-08	<a href="#">Uncovering lock-ins and levers to encourage farmers to move to and stay in sustainable, climate-neutral and biodiversity-friendly farming systems: from experiments to systemic mechanisms</a>	4	06.10.2021	3 (12M)	RIA	
HORIZON-CL6-2021-FARM2FORK-01-09	<a href="#">Towards an EU approach to assess and internalise positive and negative externalities of food for incentivising sustainable choices</a>	8	06.10.2021	1(8M)	RIA	

Enabling sustainable fisheries and aquaculture						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
HORIZON-CL6-2021-FARM2FORK-01-10	<a href="#">Sea to fork transparency and consumer engagement</a>	5	06.10.2021	2 (10M)	IA	6-8
HORIZON-CL6-2021-FARM2FORK-01-11	<a href="#">Digital transition supporting inspection and control for sustainable fisheries</a>	5	06.10.2021	2 (10M)	RIA	3-6

Transforming food systems for health, sustainability and inclusion						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
HORIZON-CL6-2021-FARM2FORK-12	<a href="#">Filling knowledge gaps on the nutritional, safety, allergenicity and environmental assessment of alternative proteins and dietary shift</a>	11	06.10.2021	1 (11M)	RIA	5
HORIZON-CL6-2021-FARM2FORK-01-13	<a href="#">Evidence-based decision-making to change social norms towards zero food waste</a>	6-7	06.10.2021	2 (12M)	RIA	4-5
HORIZON-CL6-2021-FARM2FORK-01-14	<a href="#">Microbes for healthy and sustainable food and diets</a>	12	06.10.2021	1 (12M)	RIA	2-5
HORIZON-CL6-2021-FARM2FORK-01-15	<a href="#">Transition to healthy and sustainable dietary behaviour</a>	12	06.10.2021	1 (12M)	RIA	3-5
HORIZON-CL6-2021-FARM2FORK-01-16	<a href="#">Identification, assessment and management of existing and emerging food safety issues</a>	6	06.10.2021	2 (12M)	RIA	3-5
HORIZON-CL6-2021-FARM2FORK-01-17	<a href="#">Increasing the transparency of EU food systems to boost health, sustainability and safety of products, processes and diets</a>	11	06.10.2021	1 (11M)	IA	6-7

Targeted international cooperation						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
HORIZON-CL6-2021-FARM2FORK-01-18	<a href="#">One Health approach for Food Nutrition Security and Sustainable Agriculture (FNSSA)</a>	6	06.10.2021	3 (18M)	RIA	6
HORIZON-CL6-2021-FARM2FORK-01-19	<a href="#">EU-China international cooperation on integrated pest management in agriculture</a>	6	06.10.2021	1 (6M)	RIA	5

Fair, healthy and environmentally-friendly food systems from primary production to consumption						
Code	Topic	EU Grant in M€	Deadline	No. of Projects (total budget)	Type	TRL to achieve
HORIZON-CL6-2022-FARM2FORK-01-01	<a href="#">Risk assessment of new low risk pesticides</a>	7	15.02.2022	1 (7M)	RIA	5
HORIZON-CL6-2022-FARM2FORK-01-02	<a href="#">Socio-economics of pesticide use in agriculture</a>	6	15.02.2022	1 (6M)	RIA	5
HORIZON-CL6-2022-FARM2FORK-01-03	<a href="#">Enhancing biosecurity in terrestrial livestock production</a>	5	15.02.2022	2 (10M)	RIA	
HORIZON-CL6-2022-FARM2FORK-01-04	<a href="#">Innovative solutions to prevent adulteration of food bearing quality labels: focus on organic food and geographical indications</a>	4	15.02.2022	2 (8M)	IA	6-8

HORIZON-CL6-2022-FARM2FORK-01-05	<a href="#">Integrated and sustainable freshwater bioeconomy: Combining aquaculture, biodiversity preservation, biotechnology and other uses</a>	5	15.02.2022	2 (10M)	RIA	3-6

Transforming food systems for health, sustainability and inclusion						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
HORIZON-CL6-2022-FARM2FORK-01-06	<a href="#">Biosecurity, hygiene, disease prevention and animal welfare in aquaculture</a>	6	15.02.2022	2(12M)	RIA	6-7
HORIZON-CL6-2022-FARM2FORK-01-07	<a href="#">Building alternative protein-friendly sustainable and healthy food environments</a>	12	15.02.2022	1 (12M)	IA	6-7
HORIZON-CL6-2022-FARM2FORK-01-08	<a href="#">Research and innovation for food losses and waste prevention and reduction through harmonised measurement and monitoring</a>	7	15.02.2022	2 (14M)	RIA	5
HORIZON-CL6-2022-FARM2FORK-01-09	<a href="#">Microbiomes in food production systems</a>	5	15.02.2022	2 (10M)	RIA	2-5
HORIZON-CL6-2022-FARM2FORK-01-10	<a href="#">Integrated surveillance system to prevent and reduce diet-related non communicable diseases (NCDs)</a>	11	15.02.2022	1 (11M)	RIA	3-5
HORIZON-CL6-2022-FARM2FORK-01-11	<a href="#">Effective systems for authenticity and traceability in the food system</a>	10	15.02.2022	1 (10M)	RIA	3-5

Targeted international cooperation						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
HORIZON-CL6-2022-FARM2FORK-01-12	<a href="#">Agro-ecological approaches in African agriculture systems</a>	7	15.02.2022	4 (28M)	RIA	6
HORIZON-CL6-2022-FARM2FORK-01-13	<a href="#">AU-EU Combatting all forms of malnutrition</a>	11	15.02.2022	1 (11M)	RIA	5
HORIZON-CL6-2022-FARM2FORK-01-15	<a href="#">African food cities</a>	6	15.02.2022	2 (12M)	RIA	5
HORIZON-CL6-2022-FARM2FORK-01-16	<a href="#">Support for international research on infectious animal diseases</a>	3	15.02.2022	1 (3M)	CSA	



## Fair, healthy and environmentally-friendly food systems from primary production to consumption

### Enabling sustainable farming (Two-stage)

Code	Topic	Budget (M€)	Deadline	No. of Projects (total budget)	Type	TRL to achieve
HORIZON-CL6-2022-FARM2FORK-02-01-two-stage	<a href="#">Agroecological approaches for sustainable weed management</a>	5	15.02.2022 06.09.2022	3 (14.5M)	RIA	
<ul style="list-style-type: none"> <li>• Advance knowledge, build capacities and deliver innovative systemic and holistic solutions to reduce and eventually eliminate the use of chemical herbicides, for a wide range of crops and farming systems (incl. organic).</li> <li>• Identify optimal combinations of agroecological solutions (use of ecological processes to support agricultural production) for socially, economically and environmentally sustainable alternative weed management strategies that reduce or eliminate the use of herbicides</li> <li>• Cover all EU and Associated Countries biogeographical/pedo-climatic regions</li> <li>• Capitalising on cropping system design, mechanical weed management, soil management, breeding, bio- based herbicides, precision and site-specific weeding and digitalised weed monitoring and weed biology.</li> <li>• Test and evaluate the sustainability, performance and profitability versus classical chemical weed management</li> <li>• Analyse the socio-economic aspects involved in the adoption of alternative weeding strategies based on the factors influencing farmers' decision-making, consumer and market aspects, risk perception and acceptance.</li> <li>• Develop and test strategies involving all relevant actors for knowledge co-creation and feedback to demonstrate and accompany farmers in implementing and/or switching to agroecological weed management.</li> <li>• Develop a repository of current weed management practices in several representative EU and AC agro-ecosystems.</li> </ul>						
HORIZON-CL6-2022-FARM2FORK-02-02-two-stage	<a href="#">Emerging and future risks to plant health</a>	7	15.02.2022 06.09.2022	1 (7M)	RIA	
<ul style="list-style-type: none"> <li>• Target one or more new or emerging plant pests (regulated, non-regulated, introduced or native) that (may) cause significant (socio) economic and/or environmental losses to agriculture and/or forestry in the EU and/or AC.</li> <li>• Within scope are pests exhibiting an altered and higher probability of entry and spread in a new area resulting of changes in their biology or in agriculture or forestry pest management practice or rapid spread in new areas.</li> <li>• The choice of target pest(s) should consider the potential development and spread, exacerbation under climate change, and potential impact on agricultural production, forestry, trade, environment, soil and water.</li> <li>• Consider both conventional and organic sectors.</li> <li>• Increase knowledge of the biology, pathways of entry, behaviour in the plant-soil system where relevant, and drivers of spread including the influence of climate change and globalization of pest(s);</li> <li>• Improve methods and strategies for prevention, early detection and surveillance;</li> <li>• Develop and uptake rapid and effective tools for the prevention of entry, spread and establishment, early detection, surveillance, treatment and (bio) control of plant pests for a sustainable and integrated pest management;</li> </ul>						

<ul style="list-style-type: none"> <li>Identify resistance traits to support the sustainability of agriculture and forestry in the EU and/or AC;</li> <li>Assess the social and economic implications for farmers and ecological impacts of the plant pest(s) and the development of approaches on how to best cope with these situations;</li> <li>Integrate citizen science as a tool to monitor emerging pests.</li> </ul>						
HORIZON-CL6-2022-FARM2FORK-02-03-two-stage	<a href="#">Ecology of infectious animal diseases</a>	6	15.02.2022 06.09.2022	2 (12M)	RIA	
<p>Address relevant areas of research in terrestrial livestock, and related wildlife as appropriate and should contribute to the understanding of the:</p> <ol style="list-style-type: none"> <li>pathogens population dynamics in &amp; outside hosts and interactions within &amp; between humans/animals;</li> <li>drivers of pathogen evolution (e.g. mutations) and their impact on virulence and cross-species transmission;</li> <li>impact of the host immune response on pathogen adaptation/evolution;</li> <li>mechanisms of behaviour/persistence of pathogens in animals, animal products, vectors and outside the host;</li> <li>inactivation of pathogens in a changing environment;</li> <li>antimicrobial resistance development, where relevant.</li> </ol>						
HORIZON-CL6-2022-FARM2FORK-02-04-two-stage	<a href="#">Smart solutions for the use of digital technologies for small- and medium-sized, farms and farm structures</a>	5	15.02.2022 06.09.2022	3 (15M)	IA	6-7
<p>Support the development of small- and medium sized farms to benefit from digital technologies and strengthen their capacities to their effective and efficient deployment.</p> <ul style="list-style-type: none"> <li>Develop and pilot cost-effective digital solutions for small- and medium-sized farms and farm structures considering representation of the diverse environmental, climatic and socio-economic conditions across the EU &amp; AC.</li> <li>Develop business and/or governance models facilitating the roll-out of the piloted innovation at larger scale in several countries; models may consider financing the purchase of the digital solutions, and also the establishment of other framing conditions, or propose public intervention (e.g. data provision) or public-private partnerships or cooperative (digital) service provision and taking.</li> <li>Demonstrate how networking activities foster the exchange of experiences and knowledge transfer are organised.</li> <li>Exchange/ collaborate with <a href="#">Digital Innovation Hubs (Catalogue filtered)</a></li> <li>Consider crops/sub-branches, and/or production processes for which less dedicated precision farming technologies are available on the market</li> <li>May allocate up to 20% for financial support to third parties, e.g. researchers, developers, SMEs, start-ups and other multidisciplinary actors, in particular for populating, testing and validating use cases. € 60K per third party max.</li> </ul>						
HORIZON-CL6-2022-FARM2FORK-02-05-two-stage	<a href="#">Innovative food from marine and freshwater ecosystems</a>	6	15.02.2022 06.09.2022	3 (18M)	IA	6-7

- Explore & test solutions for sustainable fishing and/or aquaculture and diversify production through low trophic level, such as animals (herbivorous, filter-feeders), algae (micro & macro), bacteria & fungi.
- Address issues of biology, feeding, metabolism, disease, pathology, environmental sustainability, gear technology, processing, and marketing of products.
- Improve the environmental impact of fisheries and/or aquaculture, e.g. with more selective and less impacting fishing gear, low carbon fishing approaches, nutritious and safe feeds, recirculating aquaculture systems, integrated multitrophic aquaculture, disease control and sustainable solutions in fish and shellfish rearing. May also identify captured species of high abundance and nutritional value and promote consumers consumption.
- Innovative processing, including digital and packaging solutions to minimize loss of biomass, add nutritional and economic value to the chain (including by-products), enhance products shelf-life, and reduce food waste.
- May address issues of proximity between seafood production and consumption.
- Include strong communication component and co-creation approach with stakeholders and end users, from industry, consumers, and NGOs across EU & AC, including training and education activities.
- International co-operation with partners from non-associated third countries is strongly encouraged.