

Horizon Europe Funding Opportunities – 2021-2022

Destination 1 - Climate sciences and responses

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%

ההשתתפות 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 – 1 - Climate sciences and responses						
Earth system sciences						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
HORIZON-CL5-2021-D1-01-01	Improved understanding of GHG fluxes and radiative forcers, including carbon dioxide removal technologies	8	7.9.2021	3	1-stage RIA	
	<p>Actions should improve scientific understanding in only one of the following areas:</p> <p>Greenhouse gas fluxes and Earth system feedbacks</p> <p>Global warming contribution of different radiative forcers</p> <p>Climate and Earth system responses to climate neutrality and net negative emissions</p>					
Analysis of pathways leading to climate neutrality						
C5-D1-CSR-04-2021	Modelling the role of the circular economy for climate change mitigation	5			1-stage RIA	
	<p>Project results are expected to contribute to all of the following expected outcomes:</p> <p>Improve existing EU and/or global climate mitigation models by better representation of basic industrial value chains (including reliable data) and potential mitigation technologies including the impact of circular economy.</p> <p>Improve the quantification of the impacts and potentials of the circular economy for climate change mitigation.</p> <p>Support the integration of the circular economy into climate action, policies and their evidence base, including externalities.</p> <p>This action deliver a circular economy and propose a framework for revealing, demonstrating and quantifying the circular economy's potential contribution to climate goals, as well as improving the coverage of basic industry value chains in models (or suites of models) used to analyse mitigation pathways.</p>					

C5-D1-CSR-05-2021	Maximising the impact of EU-funded climate change research	2-5			1-stage CSA	
<p>Actions should cover one of the following areas:</p> <p>a) Maximising the impact of EU-funded climate change research</p> <p>The action should deliver effective mechanisms to strengthen the science-policy and science- civil society interface on the state-of-the-art climate change research in order to increase the EU's capacity to accelerate the response to the climate crisis and, biodiversity and other environmental challenges.</p> <p>b) Maximising the synergy of climate change research and innovation in Europe</p> <p>This action will help strengthen the European Research Area by ensuring coordination, cooperation and synergies between research, innovation and technology policies and programmes in the area of climate change research, including mitigation and adaptation, at European, national and regional level.</p>						
C5-D1-CSR-06-2021	Enhanced integrated assessment in pursuit of global climate goals	5			1-stage RIA	
<p>Project results are expected to contribute to all of the following expected outcomes:</p> <ul style="list-style-type: none"> • Provision of information for the preparation of climate policies and national planning for the post-2030 period, in light of the Paris Agreement goals and the need to reduce global net greenhouse emissions to zero by 2050. • Enhanced international cooperation among the modelling community and other relevant stakeholders to expand the provision of robust in-country advice to decision-makers around the world. • Enhanced mutual learning among the modelling, social science and policy communities to ensure coherence between different tools used to inform climate action, and consistency with the best available and open science. 						

Adaptation and climate services						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
C5-D1-CSR-10-2021	<p>Better understanding of the interactions between climate change impacts and risks, mitigation and adaptation options</p>	6-7			1-stage RIA	
	<p>Actions should deliver progress in integrating the analysis of the impacts of climate change, mitigation pathways and adaptation strategies into a single framework to help understand and quantify their numerous interactions</p> <p>Actions should also improve the general understanding of the synergies, conflicts and trade-offs between mitigation and adaptation strategies</p> <p>Any such potential conflicts and interdependencies should be investigated, taking into account cross-sectorial cascading effects and temporal differences.</p> <p>Actions should then formulate a set of technical and policy recommendations, including sector-specific ones, targeting both public and private stakeholders, to reduce the tensions between mitigation and adaptation strategies.</p> <p>In order to achieve the above-mentioned objectives actions may work on improvements in the modelling of adaptation, particularly in the sectors where adaptation interacts with mitigation (such as energy and agriculture).</p>					
C5-D1-CSR-11-2021	<p>Supporting and standardising climate services</p>	10			1-stage CSA	
	<p>This topic is intended to improve the delivery of quality control and standards (including open and licensed) for climate services and to guarantee suitability, quality, and performance of digital solutions to manage climate risks and enhance adaptive capacities.</p>					

Social science to tackle climate change						
Code	Topic	Budget (M€)	Deadline	No. of Projects	Type	TRL to achieve
C5-D1-CSR-13-2021	Improved economic methods for decision-making on climate and environmental policies	3			1-stage RIA	
	<p>Actions should focus on the improvement of methodologies, practices and techniques for conducting economic appraisal of environmental policies, taking into account the progress in relevant sciences and in the understanding of the limitations of the methodologies and tools used so far, notably in impact studies.</p> <p>The key environmental policies of interest under this topic are those addressing climate change and biodiversity loss and actions should foster integrated approaches for addressing these interdependent challenges. Innovative and out-of-the-box approaches are encouraged.</p> <p>Actions are expected to investigate limitations of mainstream economic theory and models used for environmental policy assessment, including the evaluation of appropriateness of cost-benefit and cost-effectiveness analyses. They should also consider alternative approaches and theories that can be applied to assess environmental policies</p> <p>Actions should also examine the performance of different types of regulatory strategies</p> <p>The analysis should take into account public acceptance dimension. The consortia are also encouraged to explore innovative policy interventions (such as incentives) that could be applied to encourage the adoption of more sustainable technologies and behaviours.</p> <p>Finally, actions should formulate and implement strong dissemination plan towards the key actors in relevant decision-making processes with an aim to testing the proposed methods in real conditions and the educational institutions in order to facilitate broad cross-fertilisation of the insights created.</p>					

Climate-ecosystem interactions					
Code	Topic	Budget (M€)	Deadline	No. of Projects	
C5-D1-CSR-15 - 2021	Better understanding of the interactions between climate change impacts and risks, mitigation and adaptation options	6-7			1-stage RIA
	<p>Projects are expected to assess the current extent and state of European wetlands, their current and potential greenhouse gas (GHG) profile (with or without protection/restoration measures) and their medium to long-term mitigation capacity through restoration or other measures.</p> <p>As a minimum, the assessment should take into account key greenhouse gases (CO₂, CH₄ and N₂O), the carbon value of services (such as production) in the baseline (e.g., food production) and restoration scenarios (e.g., paludiculture or non-productive uses, agritourism...) and estimate the abatement cost for different policy-relevant time periods.</p> <p>Projects are expected to develop or identify workable tools and approaches for the sound estimation of GHG performance as well as impacts on biodiversity and a wide range of ecosystem services</p> <p>Projects are expected to go beyond the state-of-the-art of restoration and management techniques and knowledge and provide recommendations about the scaling up of the solutions.</p>				
C5-D1-CSR-16 - 2021	The contribution of forest management to climate action: pathways, trade-offs and co-benefits	5-7			1-stage RIA
	<p>Project results are expected to contribute to some of the following expected outcomes:</p> <p>A comprehensive assessment of the climate mitigation potential of EU forests and forest-based sector through modelling of different policy pathways, taking into account climate change related risks, physiological and biogeochemical responses to environmental change and management practices, adaptation needs, biodiversity goals, and the provision of other ecosystem services. The effects analysed have to include changes in carbon sequestration, forest health, productivity, substitution and biophysical factors, including the causes and time dynamics of these changes. The assessment of the potential and limits of forest-based products and biomass for energy in delivering climate benefits will inform public authorities on the most suitable approach to forest policy and forest bioeconomy.</p> <p>Development and improvement of robust and transparent methodologies for high-resolution monitoring and reporting of forest carbon pools and their interactions through a combination of in-situ data collection and remote sensing methods to be used to advance land use, land-use change and forestry (LULUCF) reporting under the UNFCCC and compliance under EU legislation. Methods developed</p>				

under this action will additionally feed into the development of the Forest Information System for Europe (FISE).

Proposals under this topic should develop a comprehensive assessment of different pathways of the EU forest greenhouse gas (GHG) balance and other climate objectives

Proposals under this topic should therefore aim to develop knowledge, tools, models, databases and country- and region-specific values available to Member States, where possible integrating with Integrated Assessment Models (IAMs) and climate models to improve monitoring and reporting of forest carbon pools.