

## HORIZON Europe

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Information category	Description
Programme name	<b>Development of next generation synthetic renewable fuel technologies – HORIZON Europe Framework Programme (HORIZON-CL5-2024-D3-02-02)</b> <b>Forthcoming call</b>
Objective(s) and scope	<p><u>Expected outcome:</u> Project results are expected to contribute to all of the following expected outcomes:</p> <ul style="list-style-type: none"> <li>• Increase availability of disruptive emerging synthetic renewable fuel technologies.</li> <li>• Accelerate the readiness of cost-effective and highly performing future technologies of synthetic renewable fuels for all economy sectors.</li> <li>• Reinforce the European scientific basis and European technology export potential for synthetic renewable fuel technologies.</li> </ul> <p><u>Scope:</u> Focus should be on the high source to product conversion efficiency, process energy efficiency and carbon emission neutrality from the overall production. Overall, proposals are expected to improve competitiveness and minimize GHG emissions in the production process. Pathways via production of renewable hydrogen or renewable hydrogen ionic compounds from all forms and origins of renewable energy (e.g., electricity, direct sunlight, heat) are in scope. The new technologies should also address uses in fuel cells for all transport modes for electricity generation from renewable fuels used as renewable energy carriers with high conversion efficiency and low pollution. An assessment of the sustainability and the GHG emissions should be made based on a Life Cycle Analysis (LCA).</p> <p>Type of actions: Research and Innovation Actions</p>
Type of finance provider	Public
Administering body	European Climate, Infrastructure and Environment Executive Agency (CINEA)
Financing product	Grants (HORIZON Action Grant Budget-Based)
Financing value	EUR 12.0 million for three grants (indicative number of grants). Expected EU contribution per project is around EUR 4.0 million.
Eligible countries	Legal entities from the EU and associated countries (EEA, European Neighbourhood Policy countries, third countries that fulfil the criteria of Article 16 of Regulation (EU) 2021/695)
Eligibility criteria (if available)	Any legal entity, regardless of its place of establishment and including legal entities from non-associated third countries or international organisations, may participate in actions under the Programme, provided that the conditions laid down in Regulation (EU) 2021/695 have been met together with any conditions laid down in the work programme or call for proposals.
Further information on eligibility criteria	Annex B <i>Eligibility</i> of Horizon Europe <a href="#">Work programme 2023-2025</a> . In this call, the following exceptions apply: If projects use satellite-based earth observation, positioning, navigation and/or related timing data and services, beneficiaries must make use of Copernicus and/or Galileo/EGNOS (other data and services may additionally be used).
Application period	From 17 September 2024 until 21 January 2025 17:00h Brussels time
Technology type	Fuel technology
Technology readiness level (TRL)	Activities are expected to achieve TRL 3-4 by the end of the project
Previous projects financed example(s)	-

<b>Additional information</b>	Further information on the call and specific conditions are described in the <a href="#">Work Programme</a> (pages 286-288).
<b>Links</b>	<a href="#">Horizon Europe - European Commission (europa.eu)</a> <a href="#">Reference Documents   EU Funding &amp; Tenders Portal (europa.eu)</a> <a href="#">Horizon Europe work programmes - European Commission (europa.eu)</a>
<b>Contact(s)</b>	<a href="#">Research Enquiry Service - European Commission (europa.eu)</a>