

## HORIZON Europe

Information category	Description
Programme name	<b>Ensuring the safety, resilience and security of waterborne digital systems – HORIZON Europe Framework Programme (HORIZON-CL5-2024-D6-01-10)</b>
Objective(s) and scope	<p><u>Expected outcomes:</u> Project outputs and results are expected to contribute to the following expected outcomes:</p> <ul style="list-style-type: none"> <li>• Increased safety and resilience of waterborne digital systems.</li> <li>• Improved system design addressing human factors issues in the changing levels of human/automated system interactions.</li> <li>• Assurance of the resilience, safety and security of waterborne digital and connected systems on the basis of robust methodologies.</li> <li>• Robust by design waterborne digital and connected systems for safety and resilience.</li> <li>• Methodologies to enable effective HAZOP analysis and validation of waterborne digital systems.</li> <li>• Increased software safety.</li> <li>• Increased cyber security for operation and maintenance.</li> </ul> <p><u>Scope:</u> Activities will focus on the development of a HAZOP methodology for comprehensive system assessment of highly digitised, connected complex vessels. The methodology should include system, system of systems designed for specific function or sets of functions and/or a methodology for the entire vessel, including when application of artificial intelligence algorithms is foreseen. The methodology will be developed in collaboration with relevant stakeholders such as shipbuilders, system designers and equipment providers, IT professionals, operators, class societies, and regulators.</p> <p><u>Type of action:</u> 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 8.5 million for two 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>
Application period	From 7 May 2024 until 5 September 2024 17:00h Brussels time
Technology type	Digital systems
Technology readiness level (TRL)	Activities are expected to achieve TRL 5-6 by the end of the project
Previous projects financed example(s)	-
Additional information	Further information on the call and specific conditions are described in the <a href="#">Work Programme</a> (pages 508-510).

<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>

The information provided in this toolbox regarding private financing products is derived from publicly accessible sources. The intention of sharing this information is purely informational and is not intended for commercial use or constitutes financial advice. Please consult with a financial advisor or professional for specific financial guidance on the products referred in this toolbox.