

Selection of Relevant EU Call Topics for the Rail Sector

HORIZON EUROPE Work Programme 2023/2024

Call Identifier	Topic	Funding instrument	Deadline for submissions
HORIZON-CL3-2023-DRS-01-02	Design of crisis prevention and preparedness actions in case of digital breakdown (internet, electricity etc.)	RIA	23. Nov 2023
HORIZON-CL3-2023-INFRA-01-02	Supporting operators against cyber and non-cyber threats to reinforce the resilience of critical infrastructures	IA	23. Nov 2023
HORIZON-CL4-2024-DATA-01-01	AI-driven data operations and compliance technologies (AI, data and robotics partnership)	IA	19-March-2024
HORIZON-CL4-2024-DATA-01-03	Piloting emerging Smart IoT Platforms and decentralized intelligence	IA	19-March-2024
HORIZON-CL4-2024-DIGITAL-EMERGING-01-04	Industrial leadership in AI, Data and Robotics boosting competitiveness and the green transition (AI Data and Robotics Partnership) (IA)	IA	19-March-2024
HORIZON-CL4-2024-SPACE-01-35	Copernicus for Land and Water.	RIA	20-February-2024
HORIZON-CL4-2024-SPACE-01-36	Copernicus for Security	RIA	20-February-2024
HORIZON-CL4-2024-TWIN-TRANSITION-01-12	Enhanced assessment, intervention and repair of civil engineering infrastructure (RIA).	RIA	07-February-2024
HORIZON-CL4-2024-TWIN-TRANSITION-01-46	CO2-neutral steel production with hydrogen, secondary carbon carriers and electricity OR innovative steel applications for low CO2 emissions (Clean Steel Partnership)	RIA	07-February-2024
HORIZON-CL5-2024-D5-01-01	Smart, low-cost pervasive stationary slow charging and bi-directional solutions synergic with the grid for EV mass deployment (2ZERO Partnership)	IA	18. Apr 2024
HORIZON-CL5-2024-D5-01-02	Integration and testing of next generation post-800V electric powertrains (2ZERO Partnership)	RIA	18. Apr 2024
HORIZON-CL5-2024-D5-01-05	Advanced digital development tools to accelerate the development of software defined vehicles that enable zero-emission mobility (2ZERO Partnership)	RIA	18. Apr 2024
HORIZON-CL5-2024-D5-01-18	Assessment of air pollutant emissions from lowcarbon fuels in the heavy-duty, aviation, and maritime sectors	RIA	18. Apr 2024
HORIZON-CL5-2024-D6-01-06	Optimising multimodal network and traffic management, harnessing data from infrastructures, mobility of passengers and freight transport	RIA	05. Sep 2024

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HORIZON-CL5-2024-D6-01-07	Scaling up logistics innovations supporting freight transport decarbonisation in an affordable way	IA	05. Sep 2024
HORIZON-CL5-2024-D6-01-08	Improved transport infrastructure performance - Innovative digital tools and solutions to monitor and improve the management and operation of transport infrastructure	IA	05. Sep 2024
HORIZON-CL5-2024-D6-01-11	Effects of disruptive changes in transport: towards resilient, safe and energy efficient mobility	RIA	05. Sep 2024
HORIZON-CL6-2024-CircBio-01-1	Circular Cities and Regions Initiative's project development assistance (CCRI-PDA)	CSA	22-February-2024
HORIZON-CL6-2024-CircBio-01-4	Systemic circular solutions for a sustainable tourism (incl. new and digital technologies such as AI, robotics, IoT and blockchain)	IA	22-February-2024
HORIZON-CL6-2024-CircBio-02-2-two-stage	Increasing the circularity in plastics value chains	IA	22-February-2024 (1st stage)
HORIZON-CL6-2024-CircBio-02-4-two-stage	New circular solutions and decentralised approaches for water and wastewater management	IA	22-February-2024 (1st stage)
HORIZON-CL6-2024-GOVERNANCE-01-5	Customisation/ pre-operationalisation of prototypes end-user services in the area Climate Change Adaptation and Mitigation	Pre-commercial Procurement	28-February-2024
HORIZON-INFRA-2024-TECH-01-03	New digital twins for Destination Earth	RIA	12-March-2024

Funding Instrument Digital Europe

Call Identifier	Topic	Funding instrument	Deadline for submissions
DIGITAL-2023-CLOUD-AI-04-COORDINATEF	Coordination of AI sectorial testing and experimentation facilities	CSA	22. Nov 2023
DIGITAL-EUROHPC-JU-2023-SME-01-01	Supporting competitiveness and innovation potential of SMEs	CSA	07. Nov 2023

EUROPE'S RAIL JU – Call for Exploratory Research

Call Identifier	Topic	Funding instrument	Deadline for submissions
HORIZON-ER-JU-2023-EXPLR-01	NOISE AND VIBRATIONS	RIA	07-February-2024
HORIZON-ER-JU-2023-EXPLR-02	FUTURE METRO SYSTEMS	RIA	07-February-2024
HORIZON-ER-JU-2023-EXPLR-03	BIODIVERSITY	CSA	07-February-2024
HORIZON-ER-JU-2023-EXPLR-04	DISRUPTIVE ASSETS MANAGEMENT SOLUTIONS, INCLUDING URBAN USE CASES	RIA	07-February-2024
HORIZON-ER-JU-2023-EXPLR-05	EXTENDING THE RAIL NETWORK OF PHDS	RIA	07-February-2024
HORIZON-ER-JU-2023-EXPLR-06	DAC FLEET RETROFITTING AND RETROFIT CAPACITY PLAN	CSA	07-February-2024
HORIZON-ER-JU-2023-FA1-SESAR	EU-RAIL - SESAR SYNERGY: INTEGRATED AIR AND RAIL NETWORK BACKBONE FOR A SUSTAINABLE AND ENERGYEFFICIENT MULTIMODAL TRANSPORT SYSTEM	IA	07-February-2024

EU Space Programme

Call Identifier	Topic	Funding instrument	Deadline for submissions
HORIZON-EUSPA-2023-SPACE-01-42	EGNSS - Closing the gaps in mature, regulated and long lead markets	IA	February 2024
HORIZON-EUSPA-2023-SPACE-01-46	Designing space-based downstream applications with international partners	RIA	February 2024

Explanation of funding instruments

RIA up to 100%	Research and Innovation Project (RIA) that establishes new knowledge or explores a new or improved technology, product, process, service or solution.
IA up to 70%	An innovation project that produces plans or designs for new or improved products, processes, or services, including prototyping, testing, demonstration, piloting, large-scale product validation, and commercial replication.
CSA up to 100%	Coordination and Support Project (SCA) enhancing cooperation between the EU and associated countries to strengthen the European Research Area, including, for example, standardisation, dissemination, awareness-raising, communication and networking activities, policy dialogues, mutual learning or studies.