

Monitoring of calls for proposals

February 2022

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Reference: 22009





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1 \ NEW FUNDING OPPORTUNITIES IDENTIFIED IN FEBRUARY 2022

1.1 \ CEF programme

1.1.1 \ Energy

N/A

1.1.2 \ Transport

N/A

1.1.3 \ Digital

See section: 2 \FUNDING OPPORTUNITIES PREVIOUSLY IDENTIFIED

1.2 \ Digital Europe

See 2 \ FUNDING OPPORTUNITIES PREVIOUSLY IDENTIFIED

1.3 \ Horizon EU

HORIZON-MISS-2021-OCEAN-05-01: Underlying models for the European Digital Twin Ocean		
Deadline	12/04/2022	
TRL	TRL 6-8	
Consortium	Collaborative project with at least 1 independent legal entity established in a Member State, and two independent legal entities established in different member states or associated countries.	
Budget	Budget per project: 7M Funding rate: 70%	
Topics	Ocean modelling, twin models, climate, digital	

Under this topic, proposals should prepare the next generation of EU digital ocean models (Twin Ocean) complementary to the Copernicus marine service. They should be integrated into the architecture of the European Digital Twin Ocean, a public infrastructure to ensure access to required input and validation data, high performance and distributed cloud computing facilities. Proposal should address 3 main activities:

- Ocean Twin: develop the reference models suite for the European Digital Twin Ocean
- **Developer's toolkit:** the ocean twin should be complemented with a toolkit to favour its exploitation
- **Use:** The Ocean twin models suite should enable the development of what-if scenarios and simulations to support the Mission Ocean lighthouses.



HORIZON-CL3-2022-DRS-01-07: Improved international cooperation addressing first responder capability gaps

Deadline	23/11/2022
TRL	N/a
Consortium	 Collaborative project with at least 1 independent legal entity established in a Member State, and two independent legal entities established in a different member states or associated countries. 3 first responders' organisations or agencies from at least 3 different EU or Associated countries
Budget	Budget per project: 5M Funding rate: 100%
Topics	Monitoring, risks, emergency, first responders, data

Under this topic, proposals should address one or several of the following capability gaps of first responders:

- The ability to know the location of responders and their proximity to risks and hazard in real time
- The ability to detect, monitor, and analyse passive and active threats and hazards at incident scenes in real time
- The ability to monitor the physiological signs of emergency responders
- The ability to incorporate information from multiple sources into incident command operations
- The ability ty to create actionable intelligence based on data and information from multiple sources

Among the expected impacts are improved real-time detection, tracking and analysis of different situations, more efficient command operations and an enhanced European/global interoperability for different types of first responders.

More information Wel

Website for the call for proposals

1.4 \ Interreg

N/A – some calls are published but not relevant for EuroGeographics and its members

1.5 \ IVCDCI

N/A

1.6 \ World Bank

N/A



2 \ FUNDING OPPORTUNITIES PREVIOUSLY IDENTIFIED

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2.1 \ CEF programme

2.1.1 \ Energy

N/A

2.1.2 \ Transport

N/A

2.1.3 \ Telecom

N/A

2.1.4 \ Digital

CEF-DIG-2021-GATEWAYS-STUDIES: Backbone connectivity for Digital Global Gateways - Studies		
Deadline	22/03/2022	
TRL	Study	
Consortium	n/a	
Budget	Budget: 10M Funding rate: 50%	
Topics	Digital networks, connectivity	

The objective of this topic is to **deploy strategic networks** as part of the Digital Global Gateway Strategy of the EU, contributing to strengthening the quality of connectivity within the Union and third countries. It includes explicitly submarine cables systems, satellite infrastructures and connectivity to internet exchange points. It supports **studies for the deployment of backbone connectivity for routes** within the Member States, between the Member States, and between the EU and third countries

More information Website for the call for proposals

CEF-DIG-2021-GATEWAYS-WORKS: Backbone connectivity for Digital Global Gateways - Works	
Deadline	22/03/2022
TRL	Works
Consortium	n/a
Budget	Budget: 30M Funding rate: maximum 50% for the costs of studies, maximum 70% for the costs of works in outermost regions, and maximum 30% for all other costs categories
Topics	Digital networks, connectivity

The objective of this topic is to **deploy strategic networks** as part of the Digital Global Gateway Strategy of the EU, contributing to strengthening the quality of connectivity within the Union and third countries. This topic will support the deployment of backbone connectivity for routes within the Member States, between the Member States, and between the EU and third countries, including remote territories where there is a lack of redundancy on a route and no existing or credibly planned backbone infrastructure or suboptimal services or prices.



CEF-DIG-2021-5GCORRIDORS-STUDIES: 5G coverage along transport corridors - Studies		
Deadline	22/03/2022	
TRL	Study	
Consortium	Collaborative project with at least 2 beneficiaries from 2 different eligible countries (member states or affiliated countries)	
Budget	Budget total: 6M Budget per project: 300 000 Funding rate: 50%	
Topics	5G, connectivity, transport, monitoring	

This topic will fund inception studies to prepare the actual **deployment work of the first big wave of 5G deployment.** These inception studies should include detailed network planning, which should provide a basis for the deployment plan, concrete deliverables in terms of deployed infrastructure, coverage and service capabilities, utilization of existing infrastructure (fibre, power, ground space etc.), associated costs, as well as the assessment of market failure for each relevant action. The corridor that is subject to the study must **cross at least one border between two Member States.** The study should propose key parameters that will best describe the different features of the proposed 5G corridor, including the aggregate length of the corridors covered by 5G, the spectrum bands to be used along the sections, the inter-radio site distance, the availability of various service features along transport routes, as well as the available performance such as data rate and latency for each vehicle as a result of CEF Digital support.

More information Website for the call for proposals

CEF-DIG-2021-5GCORRIDORS-WORKS: 5G coverage along transport corridors - Works	
Deadline	22/03/2022
TRL	Works
Consortium	Collaborative project with at least 2 beneficiaries from 2 different eligible countries (member states or affiliated countries)
Budget	Budget: 100M Budget per project: 10M to 50M Funding rate: maximum 50% for the costs of studies, maximum 70% for the costs of works in outermost regions, and maximum 30% for all other costs categories
Topics	5G, connectivity, transport, monitoring

This topic aims to support an early wave of deployment actions for **5G systems deployment along transport paths for connected and automated mobility** (CAM), including safety and non-safety services. These may encompass roads, rail, inland waterways, and other modes of transport if appropriate. Applicants may apply for grants for works, including studies, related to project costs covering the following categories:

- Deployment of passive network elements including civil works, e.g. ducts, dark fibre, 5G radio station...
- Deployment and installation of active network elements, e.g. antennae, storage and computing capabilities such as network controllers, routers, switch, exchanges, edge MEC/node etc.
- Deployment and installation of specific trackside devices (e.g. road, rail) for connected and automated mobility use cases, such as sensors, cameras etc. for traffic monitoring purposes
- Preparatory works, including network planning.

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CEF-DIG-2021-TA-5GAGENDA: 5G Strategic Deployment Agenda coordination		
Deadline	22/03/2022	
TRL	Coordination and Support Action	
Consortium	n/a	
Budget	Budget per project: 1M Funding rate: 100%	
Topics	Connectivity, 5G	

This topic will coordinate the development of 5G Strategic Deployment Agendas in 5G for CAM, in close cooperation with the Smart Networks and Services Joint Undertaking. It should facilitate cooperation among the key stakeholders involved in 5G corridor preparation and CEF-funded deployment projects. Proposals should support the organization of stakeholder engagement activities, stimulate interest in proposal submission to CEF Digital calls, support the building of project pipelines for CEF funding, gather and develop information among projects, elaborate best practices of CEF-funded studies within 5G corridor preparation and evaluate their performance, monitor 5G corridor deployment projects.

More information Website for the call for proposals

CEF-DIG-2021-CLOUD-OTHER-STUDIES: Interconnection of backbone networks for cloud federations with other clouds, HPC and edge infrastructures - Studies

Deadline	22/03/2022
TRL	Studies
Consortium	n/a
Budget	Budget per project: 1M Funding rate: 50%
Topics	Connectivity, 5G

This topic aims to fund **feasibility studies for interconnections of federated cloud infrastructure.** The aim is to anticipate the technical, legal and economic requirements to establish a fully secured and highly energy-efficient European computing continuum. The studies funded under this topic should cover future investment needs and required technology for the interconnection of cloud, HPC and edge infrastructures. The priority is the identification of shortages that prevent the EU from holding digital independence while participating in the existing technological status quo.

More information Website for the call for proposals

2.2 \ Digital Europe

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Data space for smart communities (deployment)		
Deadline	Q2 2022 (second call scheduled)	
TRL	n/a	
Consortium	Collaborative project with at least independent entities from 3 different eligible countries (member states or affiliated countries)	
Budget	Indicative budget for the topic: 18M Budget per project: 18M (1 project granted) Grant for Support to Third Parties: (50% co-funding rate)	
Topics	Data, cities, weather, energy, mobility, pollution	

Activities in this topic will pilot and apply the principles of the data space for smart communities defined in the topic "Preparatory actions for the data space for smart communities", on a large scale and with good geographical coverage, to build EU capacity for connecting data from all relevant domains"

The action will support pilots, using data available from the data space for smart communities, which should create added value by combining data from at least two of the areas:

- 1. predictive traffic management/sustainable mobility planning, exploiting synergies with the data available on the mobility data space.
- 2. data-services related to extreme weather events to facilitate climate change adaptation, risk prevention and disaster resilience.
- 3. management of energy flows in a city/community specific context and in conjunction with other sectors;
- 4. targeting zero pollution (e.g. air, water, soil pollution or waste)

Testing and experimentation Facility for smart cities and communities	
Deadline	Q2 2022 (second call scheduled)
TRL	n/a
Consortium	Collaborative project with at least independent entities from 3 different eligible countries (member states or affiliated countries)
Budget	Indicative budget for the topic: 20M Budget per project: 20M (1 project granted) Simple grant (50% of total eligible cost)
Topics	Data, testing, cities, AI, robotics, digital twin

The objective of this call is to provide a testing and experimentation facility for AI and robotics in cities and communities and make their resources accessible to EU cities, enabling to validate novel AI-driven services in close-to-real-life environments before their further massive deployment.

Expected outcomes include increased and faster integration of various AI and robotics systems in smart cities and communities, which will contribute to environmental goals such as carbon neutrality, increased robustness, security, and agility of smart community infrastructure, etc. Technological benefits will include validation in real conditions of next-generation AI-powered robotics and AI-based automation, decision-support and decision-making tools, benefitting from large-scale data access, sharing and integration, as well as increased competitiveness of European developers of AI solutions to bring their products to market.

More information	n/a



Public Sector Oper	Public Sector Open Data for Al and Open Data Platform	
Deadline	Q2 2022	
TRL	n/a	
Consortium	Collaborative project with at least independent entities from 3 different eligible countries (member states or affiliated countries)	
Budget	Total budget: 20M Budget per project: 5-6M Funding rate: Simple grant (50% co-funding rate)	
Topics	Data, AI, Open data, High Value Datasets, Data Platform, Geospatial, Earth observation and environment, pen Data Platform	
The objective is to increase the easy availability, quality and usability of public sector information in compliance with the requirement of the Open Data Directive Strand 1: Grants will support public administrations in increasing semantic, technical and legal interoperability and data portability of the High Value Datasets (HVDs) identified by the forthcoming corresponding implementing act, namely: Geospatial, Earth observation and environment, Meteorological, Statistics, Companies and company ownership, Mobility Strand 2: Consolidation of existing open data platforms		

2.3 \ Horizon EU

n/a

See Section "2 \ FUNDING OPPORTUNITIES PREVIOUSLY IDENTIFIED" below

2.3.1 \ 2022

More information

HORIZON-CL3-2022-DRS-01-05: Improved impact forecasting and early warning systems supporting the rapid deployment of first responders in vulnerable areas

Deadline	23/11/2022
TRL	TRL6-8
Consortium	Collaborative project with at least 1 independent legal entity established in a Member State, and two independent legal entities established in different member states or associated countries. (including, African and South Mediterranean members). This topic requires a multidisciplinary consortium with representatives of scientific areas, practitioners, and representatives of local and regional management authorities.
Budget	Budget: 10M Budget per project: 5M Funding rate: 70%
Topics	Data, first responders, extreme events, geological disasters

The aim of this topic is to design EU-wide decision-support and information systems supporting planning authorities and civil protection agencies in the rapid deployment of first responders and communication to citizens in vulnerable areas in the case of extreme climate events or geological disasters. Proposals should design a European-scale multi-hazard platform, taking into account existing developments at EU level and available space information, in order to facilitate the identification of expected natural hazards with great specificity in time and space. This platform development might be prone to international cooperation. The proposals should improve measures and technologies that are needed to better plan for extreme climate events and geological disasters, reduce risks, as well as manage the immediate consequences of natural disasters, in particular regarding emergency responses.



HORIZON-CL6-2022-GOVERNANCE-01-11: Upscaling (real-time) sensor data for EU-wide monitoring of production and agri-environmental conditions

Deadline	10/03/2022
TRL	TRL4-5
Consortium	Collaborative project with at least 1 independent legal entity established in a Member State, and two independent legal entities established in different member states or associated countries.
Budget	Budget: 15M Budget per project: 5 to 7.5M Funding rate: 70%
Topics	Agriculture, sensor data, environment, monitoring

Under this topic, proposals should

- develop innovative approaches to use in-situ data collected through sensors used in agricultural production as input to the application of data technologies.
- Develop approaches to analyze the data in real time through processing at the source (edge computing) associated with analytics (including AI) in combination with e.g. earth observation data.
- Develop innovative approaches to benchmark and tailor agricultural production through sensor data sharing at regional level including the development of business models.
- Develop approaches to generate EU-wide data sets through the upscaling of data collected through sensor used in agricultural production (in combination with other data sets, such as satellite data).
- Demonstrate how sensor-generated data can be further capitalized for the development of the agricultural sector

More	Website for the call for proposals
information	

HORIZON-CL3-2022-DRS-01-01: Enhanced citizen preparedness in the event of a disaster or crisis-related emergency

Deadline	23/11/2022
TRL	IA – Innovation Actions
Consortium	Collaborative project
Budget	Budget per project: 5 M€ Budget for the topic: 10 M€ Funding rate: 70% (except non-profit, which are still funded 100%)
Topics	Risk disaster, emergency planning, first responder

This call aims to improve societal resilience to disasters or crises which relies on various features related to preparedness of citizens, communities, education systems, public administrations, business companies and practitioners. This concerns ways to react and informed decisions to take in case of an event. Individual, public and multi-level actions are needed in disaster risk management, and they have huge implications on potentially reducing losses and increasing the operational capacity of responders, along with significant impacts on the emergency planning and management phases and its relation to continuous operations and existing safety management.

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HORIZON-CL3-2022-DRS-01-03: Improved quality assurance / quality control of data used in decision-making related to risk management of natural hazards, accidents and CBRN events

Deadline	23/11/2022
TRL	Innovation Actions – TRL6 – 8 at the end of the project
Consortium	Collaborative project which requires the active involvement, as beneficiaries, of at least 5 accredited measurement institutes/laboratories from at least 3 different EU Member States or Associated countries, in charge of delivering data to risk management decision-making authorities.
Budget	Budget per project: 5 M€ Budget for the topic: 10 M€ Funding rate: 70% (except non-profit, which are still funded 100%)
Topics	Data for risk, risk management, etc.

Projects' results are expected to contribute to the following outcomes:

- Evaluation of Quality Assurance / Quality Control (QA/QC) needs in areas not prone to systematic quality checks prior to decision-making in the natural hazards and CBRN-E areas, for physical, chemical and biological parameters.
- Based on past experience, organized intercomparisons among laboratories and institutes at EU level
 which are in charge of providing data for risk- and evidence-based decision-making in order to
 evaluate the comparability of data produced worldwide.

More information Website for the call for proposals

HORIZON-CL3-2022-DRS-01-05: Improved impact forecasting and early warning systems supporting the rapid deployment of first responders in vulnerable areas

Deadline	23/11/2022
TRL	${\sf IA-Innovation}$ Activities are expected to achieve TRL 6-8 by the end of the project
Consortium	Collaborative project
Budget	Budget per project: 5 M€ Budget for the topic: 10 M€ Funding rate: 70% (except non-profit, which are still funded 100%)
Topics	Data, first responders, geological events

This call aims to enhance risk and crisis assessment and preparedness to natural hazards. The project should rely on tools using different types of data, information and forecasts (e.g. meteorological data, physical data related to geohazards and climate projections etc.) which may enable to anticipate the occurrence of disasters. Based on the legacy of existing solutions, further developments are required to compare impact forecasting and early warning approaches at international level.



HORIZON-CL3-2022-DRS-01-08: Enhanced situational awareness and preparedness of first responders and improved capacities to minimize time-to-react in urban areas in the case of CBRN-E-related events

Deadline	23/11/2022
TRL	IA - Innovation Actions - Activities are expected to achieve TRL 6-8 by the end of the project
Consortium	Collaborative project with the active involvement, as beneficiaries, of at least 3 first responders' organizations or agencies from at least 3 different EU Member States or Associated countries
Budget	Budget per project: 5 M€ Budget for the topic: 11 M€ Funding rate: 70% (except non-profit, which are still funded 100%)
Topics	First responders, emergency planning, security

This call aims to address **first responders' needs** that require innovative actions resulting in technological, institutional and capacity-building solutions. These solutions should be are tailored to the risks, affordable, accepted by citizens, and customized for the (cross-sectoral) needs of practitioners. **Innovative solutions are required to enable first responders to get a faster overview of any disaster situation based on the knowledge of past events and prevention actions.**

International cooperation is encouraged, in particular with Japan in the framework of the **EU-Japan collaboration**

More information Website for the call for proposals

HORIZON-CL3-2022-INFRA-01-01: Nature-based Solutions integrated to protect local infrastructure	
Deadline	23/11/2022
TRL	RIA - Research and Innovation Actions - Activities are expected to achieve TRL 4-5 by the end of the project
Consortium	Collaborative project with the active involvement, as beneficiaries, of at least two local or regional government authorities from at least 2 different EU Member States or Associated countries
Budget	Budget per project: 5 M€ Budget for the topic: 5 M€ Funding rate: 100%
Topics	Risk management plans, infrastructure protection

The aim of the call is to expand the knowledge on Nature-based Solutions (NBS) and their ability to enhance infrastructure resilience in cities and urban areas against natural and man-made hazards. Proposals should include a strong involvement of citizens/civil society, together with academia/research, industry/SMEs and government/public authorities. In order to achieve the expected outcomes, international cooperation with countries pioneering the development of NBS is advised.



HORIZON-CL4-2022-DATA-01-01: Methods for exploiting data and knowledge for extremely precise outcomes (analysis, prediction, decision support), reducing complexity and presenting insights in understandable way)

Deadline	05/04/2022
TRL	RIA - Research Innovation Action- Activities are expected to start at TRL 2-3 and achieve TRL 4-5 by the end of the project
Consortium	Collaborative project
Budget	Budget per project 8 – 12 M€ Budget for the topic: 33 M€ Funding rate: 100%
Topics	Spatial data, Pan-European data, open data, crisis management, etc.

Proposal results are expected to contribute to the following expected outcomes: Improving automated ways for extracting meaning and providing insights from data extremely fast and/or accurately in order to optimize decision making (ranging from crisis/emergency management to predictive maintenance) or action planning, as well as demonstrating how these improvements can have great positive impacts for society, people, economy, or the Environment.

More information Website for the call for proposals

HORIZON-CL4-2022-DATA-01-05: Extreme data mining, aggregation and analytics technologies and solutions

Deadline	05/04/2022
TRL	RIA - Research Innovation Action - Activities are expected to start at TRL 3 and achieve TRL 5 by the end of the project
Consortium	Collaborative project
Budget	Budget per project: 5 M€ Budget for the topic: 30 M€ Funding rate: 100%
Topics	Big data, AI, cloud, European data sources, Internet of things etc.

This call aims to **provide better technologies, tools and solutions for data mining** (searching and processing) of large, constantly growing amounts and varieties of data, and/or extremely sparse/dispersed/heterogeneous/multilingual data (stored centrally or in distributed/decentralized systems), in particular IoT, industrial, business, administrative, **environmental**, scientific or societal data.

The actions should address the integration of relevant technologies (e.g. big data, AI, IoT, HPC, edge/fog/cloud computing, language technologies, cybersecurity, telecommunications, autonomous systems etc.) as a means towards achieving the goals. The use of European data sources (such as Copernicus, Galileo/EGNOS for satellite data) is encouraged in the use cases, where appropriate.



HORIZON-CL4-2022-RESILIENCE-01-08: Earth observation technologies for the mining life cycle in support of EU autonomy and transition to a climate-neutral economy

Deadline	30/03/2022
TRL	RIA - Research Innovation Action - Activities are expected to achieve TRL 3-5 by the end of the project
Consortium	Collaborative project
Budget	Budget per project: 4.5 M€ Budget for the topic: 13.5 M€ Funding rate: 100%
Topics	Earth Observation data and technologies, environmental monitoring, maps and datasets

This call aims to **develop innovative new methods to analyze Earth Observation data**, enabling systematic mineral exploration and continuous monitoring of extraction, closure and post closure activities. These developments and innovations should be built upon **Copernicus satellite constellations**, **and/or European national and commercial satellite missions**, **including**, **e.g. COSMO-Skymed**, **EnMAP**, **PRISMA**, **TerraSAR-X**, **airborne and low-altitude platforms**, ground based remote sensing, also including conventional in situ techniques, methods and field work measurements.

More information Website for the call for proposals

HORIZON-CL5-2022-D6-02-02: Urban logistics and planning: anticipating urban freight generation and demand including digitalization of urban freight

Deadline	06/09/2022
TRL	IA – Innovation Actions
Consortium	Collaborative project
Budget	Budget per project: 7-8 M€ Budget for the topic: 15M€ Funding rate: 70% (except non-profit, which are still funded 100%)
Topics	Real estate, Green deal, smart cities, Mobility, Transport, space management and urban planning, etc.

This call aims to consider **dynamic space re-allocation** for the integration of urban freight at local level. It also aim to consider the impacts of how urban space is being used as well as the optimal mix of space distribution and of land uses. Proposals should analyze **the potential of strategically positioned urban (or peri-urban) spaces to develop and implement a pilot demonstration.** The aim is to reduce the impact of freight transport and logistics on the urban fabric.

More information Website for the call for proposals

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HORIZON-CL3-2022-BM-01-01: Improved underwater detection and control capabilities to protect maritime areas and sea harbours

Deadline	23/11/2022
TRL	RIA - Research Innovation Action - Activities are expected to achieve TRL 4-6 by the end of the project
Consortium	Collaborative project
Budget	Budget per project: 6 M€ Budget for the topic: 6 M€ Funding rate: 100%
Topics	Security, transport, environmental monitoring, infrastructures

Projects are expected to contribute to some or all of the following expected outcomes:

- Improved security of maritime infrastructures and maritime transport, including sea harbours and their entrance routes,
- Improved detection of illicit and dangerous goods and/or of threats hidden below the water surface, either threatening infrastructures or vessels, or moving alone or connected to vessels.

More information Website for the call for proposals

HORIZON-MSCA-2021-SE-01-01: MSCA Staff Exchanges

Deadline	09/03/2022
TRL	Not applicable
Consortium	Collaborative project
Budget	Lump-sum covering costs linked to the mobility of the participants as well as related research, training and networking activities.
Topics	All

unds short-term international and inter-sectoral exchanges of staff members involved in research and innovation activities of participating organizations. The aim is to develop sustainable collaborative projects between different organizations from the academic and non-academic sectors (in particular SMEs), based in Europe and beyond. Exchanged staff benefit from new knowledge, skills and career development perspectives, while participating organizations increase their research and innovation capacities. This call is open to all topics.

More information Website for the call for proposals

2.4 \ Interreg

2.5 \ IVCDCI

N/A

2.6 \ World Bank

N/A

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