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Monitoring of calls for proposals

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1 \ NEW FUNDING OPPORTUNITIES IDENTIFIED IN MARCH 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-CL5-2022-D6-02-03 : Smart enforcement for resilient, sustainable and more efficient transport operations	
Deadline	06/09/2022
TRL	Research and Innovation
Consortium	Collaborative project with at least 1 independent legal entity established in a Member State, and 2 independent legal entities established in different Member States or associated countries
Budget	Budget per project: 4M Funding rate: 100%
Topics	Transport, digital, Copernicus services

Under this topic, proposals should provide an innovative solution that allows public authorities to access directly and in real time all relevant information requied under the different pieces of legislation in the transport sector, such as social rules, market rules or safety legislation. This solution should take into account the work done in previous funded projects, and build on the **existing electronic databases** and exchange of information platforms allowing for their interconnection in order to provide seamless access and exchange of information under the "only once principle". They should also develop existing or new concepts to incorporate the areas that are not yet covered by such electronic databases and platforms. The aim is to achieve a **comprehensive ecosystem for smart transport enforcement that is tested and proved to be viable**, and allows for future integration with relevant information exchange systems in use or considered for deployment in all modes of transport, as part of a **wider multimodal transport information exchange environment.**
The use of satellite-based earth observation, positioning, navigation, data and services is recommended, specially Copernicus and/or Galileo/EGNOS services.

More information	[Website for the call for proposals](#)

HORIZON-CL5-2022-D6-02-05 : Advanced multimodal network and traffic management for seamless door-to-door mobility of passengers and freight transport

Deadline	06/09/2022
TRL	TRL 5-6 by the end of the project
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: 4-5M Funding rate: 100%
Topics	Transport, digital, data

Project are expected to contribute to a more efficient operation of the entire transport network and for seamless door-to-door mobility of both passengers and freight, thanks **to advanced multimodal network and traffic management capabilities**. Proposals are expected **to address at least six of the following aspects**:
- Developing and carrying out validation for transport network and traffic management systems
- Demonstrating effective collection, analysis and use of network-wide fixed data and developing integrated data management and monitoring systems
- Developing new tools and methods for harmonized international monitoring of mobility demand
- Conducting simulations for system-wide optimisation of demand/capacity balancing for multimodal passenger and freight flows to enable real-time prediction and early detection of problems
- Developing and testing network and traffic management visualization and decision-making tools taking into account regular mobility patterns and users needs
- Demonstrating interoperability and enhaced interfaces of network and traffic management systems
- Performing early pilot activities on multimodal network/traffic management
- Conceiving and developing the introduction of next-generation network/traffic management services
- Developing and testing multi-level governance models for public and private stakeholders to share data and engage in transport network and traffic management, providing policy recommendations

More information	[Website for the call for proposals](#)

HORIZON-CL3-2022-BM-01-04 / HORIZON-CL3-2022-BM-01-04 and 05 : Open topic

Deadline	23/11/2022
TRL	Horizon-CL3-2022-BM-01-**04** TRL 5 by the end of the project Horizon-CL3-2022-BM-01-**05:** TRL 7 by the end of the project
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. This topic requires the involvement of at least 2 Border or Coast Guards Authorities and 2 Customs Authorities, from at least 3 different EU Member States or Associated countries.
Budget	Budget per project: 3,5M Horizon-CL3-2022-BM-01-**04** (Research and Innovation Action) **Funding rate: 100%** Horizon-CL3-2022-BM-01-**05** (Innovation Action) **Funding rate: 70%**
Topics	External borders, security, surveillance

Under the Open topic, proposals are welcome to address new, upcoming or unforeseen challenges and/or creative or disruptive solutions within the **Destination « Effective management of EU external borders ».** They should cover topics that are not covered by other calls. Projects should aim at ensuring strong European land, air and sea external borders. This includes strong capabilities for checks at external borders, providing integrated and continuous order surveillance, supporting future technology for the European Border and Coast Guard, supporting the interoperability and performance of EU data exchange and analysis IT systems, supporting better risk detection, incident response and crime prevention and updating maritime security management. **The use of Copernicus for earth observation is encouraged.**

The expected results are :
- improved security of EU land, air and sea borders against accidents, **natural disasters** and security challenges such as illegal trafficking, piracy and potential terrorist attacks, cyber and hybrid threat
- improved border crossing experience for travellers and authorities staff while maintaining security and monitoring of movements across air, land and sea.
- Improved customs and supply chain security thought better prevention, detection, deterrence and fight of illegal activities

More information	Website for the call for proposals Horizon-CL3-2022-BM-01-04 Website for the call for proposals Horizon-CL3-2022-BM-01-05

1.4 \ Interreg

Interreg Alpine Space – classic projects

Deadline	Automn 2022
TRL	n/a
Consortium	Collaborative project with 7 to 12 partners from at least 4 different countries and eligible regions of the programme area (Austria, France, Germany, Italy, Slovenia, Switzerland and Liechtenstein. In France, the eligible regions are Bourgogne-Franche-Comte, Auvergne-Rhone-Alpes, Provence-Alpes-Cote D'Azur and Grand Est)
Budget	Budget per project: 1-3M Funding rate: 75%
Topics	Transnational cooperation, climate, resources, digital

Within the thematic priorities and specific objectives for the period 2021-2027, the following one could be of interestt :
- **Innovation and digitalisation supporting a green alpine region**
  - o Developing and enhacing research and innovation capacities and the uptake of advanced technologies
  - o Reaping the benefits of digitalisation for citizens, companies, research organisations and public authorities

3 types of activities are funded under this call :
- Strategic policy development activities through the elaboration of common strategies or methodologies;
- **Explorative and piloting activities to test models or tools** and validate solutions applicable to different contexts;
- Dissemination and capitalisation activities to encourage policy implementation across sectors and regions.

More information	[Website for the call for proposals](#)

Interreg Alpine Space – small scale projects

Deadline	September 2022
TRL	n/a
Consortium	Collaborative project with 7 to 12 partners from at least 4 different countries and eligible regions of the programme area (Austria, France, Germany, Italy, Slovenia, Switzerland and Liechtenstein. In France, the eligible regions are Bourgogne-Franche-Comte, Auvergne-Rhone-Alpes, Provence-Alpes-Cote D'Azur and Grand Est)
Budget	Budget per project: 250k to 750k Funding rate: 75%
Topics	Transnational cooperation, climate, resources, digital

Within the thematic priorities and specific objectives for the period 2021-2027, the following one could be of interestt :
- **Innovation and digitalisation supporting a green alpine region**
  - o Developing and enhacing research and innovation capacities and the uptake of advanced technologies
  - o Reaping the benefits of digitalisation for citizens, companies, research organisations and public authoritie

Small scale projects should "set the scene" on **themes that are rather new to transnational cooperation**. Another option is to test instruments, tools or policies, through exploratory activities. These and other examples could open up new perspectives to cooperation and the development of project proposals, which could be submitted under the Alpine Space programme or other funding schemes.

More information	[Website for the call for proposals](#)

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
N/A

2.2 \ Digital Europe

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)

More information	n/a

Testing and experimentation Facility for smart cities and communities

Deadline	17 mai 2022
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 inforation	[Website for the call for proposals](#)

Public Sector Open Data for AI and Open Data Platform

Deadline	17 mai 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

More information	[Website for the call for proposals](#)

2.3 \ Horizon EU

2.3.1 \ 2022

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.

More information	[Website for the call for proposals](#)

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	[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	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.**

More information	[Website for the call for proposals](#)

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.

More information	[Website for the call for proposals](#)

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	IA – Innovation Actions - 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.

More information	[Website for the call for proposals](#)

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.

More information	[Website for the call for proposals](#)

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.

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

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

2.4 \ Interreg
N/A

2.5 \ IVCDCI
N/A

2.6 \ World Bank
N/A