

Dear Members,

With the occasion of the 14th edition of the Funding Newsletter, we would like to bring your attention to some important funding opportunities with a deadline in September and October 2022. In addition, we are reaching you to announce that the Gaia-X Funding Newsletter will be updated to present the Funding Calls and Tender Monitoring in separate issues.

This round of calls enumerates three programmes, respectively:

- HORIZON EUROPE FRAMEWORK PROGRAMME (HORIZON),
- DIGITAL EUROPE PROGRAMME (DIGITAL), and
- INTERREGIONAL INNOVATION INVESTMENTS (I3).

Moreover, a series of **open tender opportunities** have also been identified and included in this newsletter. Please note that there is currently an open tender on the Common European Language Data Space. In the event that this is of interest, please reach out to our team and we would be happy to support!

More information with regards to the [Language Data Space Call for Tenders](#), as well as its [workshop report](#), is available on the Commission website.

In addition, we would like to kindly highlight that based on the feedback analysis of the open consultation webinars regarding **the European Open Science Cloud (EOSC) procurement**, the Commission is going to decide whether more consultation sessions or other instruments are needed to gather the necessary input for the procurement preparations.

The EOSC procurement functional mailbox is openly available to provide written comments, contributions, feedback, clarifications, examples, use cases or any other input to the procurement preparations. More details may be seen at [page 8](#).

Moreover, if there are any additional questions related to funding and tender opportunities, please reach out to ppo@gaia-x.eu!

OPEN CALLS:

HORIZON EUROPE FRAMEWORK PROGRAMME (HORIZON)

EIC Pathfinder Challenges 2022 (HORIZON-EIC-2022-PATHFINDERCHALLENGES-01)

Deadline: 19 October 2022 17:00:00 Brussels time

1. [EIC Pathfinder Challenge: DNA-based digital data storage](#)

- **Topic:** HORIZON-EIC-2022-PATHFINDERCHALLENGES-01-05
- **Budget:** 167 000 000 €

The goal of this EIC Pathfinder Challenge is to investigate high-throughput, scalable, and reliable methods for employing DNA as a general data storage medium. The read, write, and edit operations of digital data in synthetic DNA would therefore require solutions that take into account the great density and stability/longevity of this type of data storage.

Digital European Sky Industrial Research 01 (HORIZON-SESAR-2022-DES-IR-01)

Deadline: 13 October 2022 17:00:00 Brussels time

1. WA5 - [Fast Track Innovation and Uptake Virtualisation and Cybersecure Data-Sharing](#)

- **Topic:** HORIZON-SESAR-2022-DES-IR-01-WA5-2 - HORIZON-JU-IA HORIZON JU Innovation Actions
- **Budget:** 22 000 000 €

The project's outcomes are anticipated to have an impact on the range of future data-sharing service delivery models, infrastructure as a service, cross-border data flow among trusted users, and various cyber-resilience projects.

2. WA2 - [ATM application-oriented Research for Virtualisation and Cyber-secure Data Sharing](#)

- **Topic:** HORIZON-SESAR-2022-DES-ER-01-WA2-5 - HORIZON-JU-RIA HORIZON JU Research and Innovation Actions
- **Budget:** 10 000 000 €

The project results are expected to contribute to the following innovative elements: Safety versus cybersecurity, New virtualisation business model, Improved platform interoperability, regulatory frameworks for future ATM services, evolutions of route-charging and cost-recovery mechanisms, efficient applications of standards, ML and cybersecurity, and beyond state-of-the-art cybersecurity standards and methods.

Cross-sectoral solutions for the climate transition (HORIZON-CL5-2022-D2-01)

Deadline: 06 September 2022 17:00:00 Brussels time

1. [Furthering the development of a materials acceleration platform for sustainable batteries \(combining AI, big data, autonomous synthesis robotics, high throughput testing\) \(Batteries Partnership\)](#)

- **Topic:** HORIZON-CL5-2022-D2-01-03 - HORIZON-RIA HORIZON Research and Innovation Actions
- **Budget:** 20 000 000 €

This call related to infrastructure tools for secure remote data access, data analysis and predictive modelling. Developing a FAIR data infrastructure that allows relevant parties, including industry, to access raw and vetted experimental and modelling data safely and remotely.

Additionally, the call is relevant to integrated experimental and computational procedures as well as automated high throughput characterisation: It should be optimised to do efficient screening of new materials and online diagnostics of realistic devices employing high throughput, multimodal operando experimental approaches using standardised battery cells and defined protocols. The focus also includes AI-based software modules and packages for orchestration and optimization that are specifically geared for battery materials and interfaces.

Research and Innovation actions in support of the implementation of the Adaptation to Climate Change Mission (HORIZON-MISS-2022-CLIMA-01)

Deadline: 27 September 2022 17:00:00 Brussels time

1. [User driven applications and tools for regional and local authorities, and other end users focusing on climate impacts, data and knowledge.](#)

- **Topic:** HORIZON-MISS-2022-CLIMA-01-01 - HORIZON-RIA HORIZON Research and Innovation Actions
- **Budget:** 6 000 000 €

The winning proposal will develop new technologies addressing access to crucial climate data and information services with improved user-defined and user-friendly tools tailored to regional and community level applications for adaptation to climate change. These technologies will be able to build climate resilience in all sectors and services involved, with the focus being on case-specific climatological and physical conditions critical for the areas mentioned in the Mission Implementation Plan.

Research and Innovation actions supporting the implementation of the Mission on Cancer (HORIZON-MISS-2022-CANCER-01)

Deadline: 07 September 2022 17:00:00 Brussels time

1. [Towards the creation of a European Cancer Patient Digital Centre](#)

- **Topic:** HORIZON-MISS-2022-CANCER-01-04 - HORIZON-CSA HORIZON Coordination and Support Actions
- **Budget:** 3 000 000 €

Patient-controlled health data networks in Europe show a high degree of heterogeneity in terms of the participation of EU Member States, the types and interoperability of data collected, the organisation and governance of data storage, its access and security, and the potential for data reuse for research.

Proposals should address the existing challenges and develop a roadmap towards the creation of the ECPDC as a virtual, federated network of national infrastructures of patient-controlled health data ('national or regional nodes'), considering synergies with the future UNCAN.eu platform, integrated within a larger European network of infrastructures, to which each Member State should have a single access portal.

HORIZON-JU-IHI-2022-01-single-stage (HORIZON-JU-IHI-2022-01-single-stage)

Deadline: 20 September 2022 17:00:00 Brussels time

1. [An innovative decision-support system for improved care pathways for patients with neurodegenerative diseases and comorbidities](#)

- **Topic:** HORIZON-JU-IHI-2022-01-01 - HORIZON-JU-RIA HORIZON JU Research and Innovation Actions
- **Budget:** 135 000 000 €

Applicants should develop a (sustainable) re-usable, interoperable, and scalable digital platform, to collect safely and efficiently, curate, store, share, access, integrate and analyse multimodal longitudinal, dynamic health data generated within and outside the healthcare setting. This will require breaking existing data silos across different medical specialities to allow the dynamic flow of information on the concomitant conditions and their interplay to improve the selection of the best possible care pathways, and patient adherence.

Research and Innovation actions to support the implementation of the Soil health and Food Mission (HORIZON-MISS-2022-SOIL-01)

Deadline: 27 September 2022 17:00:00 Brussels time

1. [Building the mission's knowledge repository and advancing the European Soil Observatory](#)

- **Topic:** HORIZON-MISS-2022-SOIL-01-01 - HORIZON-IA HORIZON Innovation Actions
- **Budget:** 6 000 000 €

In addition to supporting the roll-out of the Mission 'A Soil Deal for Europe' and the development of the European Soil Observatory (EUSO), project outcomes will support the implementation of the European Digital Strategy and the European Strategy for Data and act as a digital enabler for the European Green Deal.

Research infrastructure services to support health research and accelerate the digital transformation (2022) (HORIZON-INFRA-2022-SERV-01)

Deadline: 21 September 2022 17:00:00 Brussels time

1. [Implementing digital services to empower neuroscience research for health and brain inspired technology via EBRAINS](#)

- **Topic:** HORIZON-INFRA-2022-SERV-01-01 - HORIZON-RIA HORIZON Research and Innovation Actions
- **Budget:** 38 000 000 €

Project outcomes should construct a user-friendly service infrastructure in line with Infrastructure as a Service (IaaS) and Platform as a Service (PaaS) principles in order to broadly serve the research communities in neurosciences, brain medicine, and cognitive technologies inspired by the human brain.

[AI REGIO Project](#) – 2nd Open Call for Experiments

Deadline: 2nd September 2022 12:00:00 CET

Type A – Single participants (SME) projects – Individual proposal

- **Budget:** 60 000 € of funding support to third parties

1. Manufacturing Data Spaces and Data4AI pipelines

Proposals in this topic shall provide end-to-end business scenarios, reflecting real industry challenges and defining and measuring realistic data-driven business KPIs. In this perspective, it is expected that the application experiments provide their own datasets and the commitment of Manufacturing SMEs to define and measure the business benefits from Data4AI applications.

2. AI for Manufacturing Applications and AI-on-demand Platform Contributions

The main goal of TOPIC-2 proposals is to develop advanced AI applications for Manufacturing Products, Processes, Value Chains, which could enrich the AI on demand platform in one or both of the following aspects:

- AI Assets, Case Studies in the Manufacturing Vertical of the AI4Europe Portal.
- AI Experiments and resources Marketplace of the AI4Europe ACUMOS-based experimental facility.

Type B – Mini-consortia (SME + DIH + optional third partner) composed of:

- **1 manufacturing SME, as the leader of the consortium;**
- **1 DIH, as reported in the DIH catalogue;**
- **ICT solution provider or technological RTO (optional).**

- **Budget:** 100 000 € of funding support to third parties

1. Manufacturing Data Spaces and Data4AI pipelines

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- AI Assets, Case Studies in the Manufacturing Vertical of the AI4Europe Portal.
- AI Experiments and resources Marketplace of the AI4Europe ACUMOS-based experimental facility.

3. AI Didactic Factories for Manufacturing and TERESA Experimentations

The AI REGIO Network of Didactic Factories (DFs) aims at building an ecosystem of experimental facilities which could combine the Skills Development aspects of Learning / Teaching Factories with the hands-on “test before invest” Technology Piloting aspects of European Digital Innovation Hubs and AI TEF for Manufacturing calls in the Digital Europe Programme.

CALL FOR TENDERS:

- [A Common European Language Data Space](#)
 - **Deadline:** 15/09/2022 16:00
 - **Estimated value:** 8 000 000 €
 - **Place of delivery:** BE10 – Region de Bruxelles-Capitale

This call for tenders implements the Digital Europe Programme (DIGITAL) with regards to the development and deployment of a ‘Common European Language Data Space’. The objectives of the call for tenders are to support the creation of an infrastructure for sharing and exchanging language data, tools, services, and models; to define — in full respect for European values and compliance with European and/or national rules — commonly agreed principles and practices for the Language Data Space; to deploy it and to promote its increasing uptake across the EU via a series of communication and dissemination activities as well as social media campaigns.

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- [European and Global Drought Observatories Data and Web Service](#)
 - **Deadline:** 12/09/2022 16:00
 - **Estimated total value:** 4 000 000 €
 - **Place of delivery:** ITC41 - Varese

- **2 lots:**
 - **Lot 1:** Operation of the Web Map Services
 - **Lot 2:** Data Provision and Processing

Framework service contract for Copernicus Emergency Management Service related to the Drought component in line with the Copernicus cross delegation and administrative arrangement with DG DEFIS. This call for tenders is for the provision of services to ensure continuity, development, and synchronization of the European and the Global Drought Observatories (EDO and GDO) under the Copernicus Emergency Management Service (CEMS).

- [Provision of a Toolset for Model-Based System Engineering, Conceptual Data Model and Federated Dataspace to the Europe's Rail Joint Undertaking](#)
 - **Procedure type:** Competitive dialogue
 - **Deadline:** 16/09/2022 15:00 UTC + 02:00
 - **Estimated total value:** 2 000 000 €
 - **Place of delivery:** BE100 – Arr. De Bruxelles-Capitale

This competitive dialogue is leading to procure services for deployment, configuration, development, and maintenance of a collaborative platform for EU-RAIL, addressing railway sector needs aimed at fostering the development of a digital engineering ecosystem and at making available to stakeholders the resulting digital resources.

- [Measuring the Quality of Government at the Sub-national Level – 2023 and 2026 Data Collections, Studies and Comparing Results with Previous Editions](#)
 - **Procedure type:** Competitive procedure
 - **Deadline:** 14/09/2022 16:00
 - **Estimated total value:** 1 100 000 €
 - **Place of delivery:** BE100 - Arr. de Bruxelles-Capitale / Arr. Brussel-Hoofdstad
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- [Background Data Collection for Future EU End-of-Waste Criteria of Construction and Demolition Waste](#)
 - **Status:** Open
 - **Procedure type:** Open procedure
 - **Deadline:** 19/09/2022 16:00
 - **Estimated total value:** 1 500 000 €
 - **Place of delivery:** BE100 - Arr. de Bruxelles-Capitale / Arr. Brussel-Hoofdstad

The objective of this study is to support the Commission in collecting data and information on construction and demolition waste. This data shall be sufficiently robust and relevant to be able to serve as a basis to develop future end-of-waste criteria. Using the data collected, the study will also analyse any beneficial and adverse impacts associated with secondary materials deriving from the construction and demolition waste streams studied and propose a ranked list of recommended waste streams for future development of EU-wide end-of-waste criteria.

FORTHCOMING CALLS:

HORIZON EUROPE WORK PROGRAMME:

Sustainable, secure, and competitive energy supply (HORIZON-CL5-2022-D3-03)

1. [Integrated wind farm control](#)

- Topic: HORIZON-CL5-2022-D3-03-04 - HORIZON-RIA HORIZON Research and Innovation Actions
- Budget: 18 000 000 €
- **Planned opening date:** 06 September 2022
- **Deadline:** 10 January 2023 17:00:00 Brussels time

The proposal is expected to address all the following aspects:

- Address and validate how digital innovation on wind farm control are able to provide more stable, resilient, secure, reliable and affordable energy, while retaining high levels of cybersecurity. Focus on farm output maximization is expected. Additionally, focus on reduced component load is strongly encouraged.
- Address how these data-driven innovations reduce operational and maintenance costs, increase energy output, and their impact on (component, turbine, farm) lifetime.
- Address the role of such innovations as a prognostic tool, regarding failures and damages.
- Develop and release an open-source digital/AI solution for sector uptake. This tool is expected to be built from concrete experiments and data measurements. Further, it should account for the advent of large wind turbines (up to 20 MW) and include those in the development of this tool.

European Open Science Cloud Update:

The European Commission has decided to extend the preliminary market consultation for the upcoming EOSC procurement by the end of business day on Friday, 5 August 2022.

The public procurement action is to build and deploy a fully operational enabling infrastructure for EOSC, providing access to a rich portfolio of FAIR (Findable, Accessible, Interoperable, Reusable) data and professional quality FAIR services in all relevant domains from data handling to computing, processing, analysis and storing.

An [EOSC Procurement Factsheet](#) has been produced to summarize the key aspects of the public procurement action funded from the [Research Infrastructures Work Programme 2021-2022 of the Horizon Europe programme](#).

Open Market Consultation Webinars

With the publication of the [Prior Information Notice](#) on 4 May 2022, the European Commission invites potential market players from industry and the research community to participate in the preliminary market consultation for the upcoming [European Open Science Cloud \(EOSC\) procurement](#). During the open market consultation from May until late July 2022, the Commission seeks, in particular, feedback on the procurement approaches, technical challenges and possible solutions.

The European Commission organized two preliminary market consultation webinars on Tuesday, 31 May and on Thursday, 9 June 2022. The video recordings and the slides of the Commission's presentations are publicly available on the links below:

- EOSC Policy Background ([video](#), [slides](#)) by Stephan Siemen, Policy Officer, DG CNECT Unit C.1
- EOSC Public Procurement Action ([video](#), [slides](#)) by Peter Szegedi, Programme Officer, DG CNECT Unit C.1
- The consolidated outcome of the survey polls and questionnaires as well as the summary of the open question and answer dialogues are [available in this report](#).

For further clarifications, please contact: CNECT-EOSC-PROCUREMENT@ec.europa.eu