



November 16, 2021

Funding Newsletter Issue | 6

Dear members,

We have arrived at the sixth edition of the funding newsletter.

It is very useful the feedback that we receive on a continuous basis from many of you. We do our best to support you with the calls. It is really satisfactory to hear from some of you who have communicated to us, that our support is appreciated, and you are also valuing the type of support letters we are providing.

As customary, we will propose you some new calls both at EU and international levels which may interest any of you. We will also be announcing some events related to data spaces as well as forthcoming calls later this month with respect to the deployment of common data spaces (e.g. data spaces for manufacturing, mobility and finance) that will facilitate cross-border data sharing for businesses, including small and medium size businesses and start-ups, and the public sector, as well as the deployment of a federated cloud-to-edge infrastructure and services, i.e. a backbone of digital solutions that will ensure secure data flows. We will issue a supplementary newsletter in due time to cater for this.

Calls at EU level

Programme: EU4 Health Programme (EU4H)

Action grants for developing a pilot project for an EU infrastructure ecosystem for the secondary use of health data for research, policy-making and regulatory purposes

TOPIC ID: EU4H-2021-PJ-06 - Budget 5 million – Deadline 25 January 2022

This consortium will design, develop, deploy, and operate a network of nodes (representing different data brokers, holders, and data consumers) federated by central services that may be provided by the European Commission.

This pilot will demonstrate and prove the value of an infrastructure and data ecosystem for the reuse of health data and assess the ability to scale towards a Union-wide infrastructure, as a core component of the European Health Data Space.

In particular, it will require to:

- *define and select, jointly with the provider of central services, key use cases (including necessary health datasets) that build on health data made available by the consortium partners to demonstrate added value of cross-country reuse of health data for policymaking, regulatory and research activities;*
- *elicit requirements (business, functional and non-functional) for an IT and data infrastructure (nodes and central services) to enable Union-wide reuse of health data;*
- *design, jointly with the provider of central services, the architecture and the specifications for the building blocks necessary for an IT infrastructure (nodes and central services) to enable Union-wide reuse of health data;*
- *develop, customise or integrate technology, jointly with the provider of central services, to fulfil the agreed requirements, architecture and specifications, as indicated in points a, b and c;*
- *deploy, at partner level, the nodes, in conformity with the design specifications, and connect them to both the national infrastructure and to the central services;*
- *run the selected use cases over the implemented IT infrastructure (validation of the process);*
- *assess the performance of the selected standards and technological building blocks used and their ability to scale towards a Union-wide infrastructure;*
- *provide feedback on legal and governance arrangements for efficient cross-border reuse of health data in the context of the pilot project.*

Programme: Connecting Europe Facility (CEF)

Smart applications for transport – data – studies/ – data - works or mixed

**TOPIC ID data – studied : CEF-T-2021-SIMOBGEN-DATA-STUDIES - Budget 400 million –
Deadline 19 January 2022**

**TOPIC ID data – works or mixed : CEF-T-2021-SIMOBGEN-DATA-WORKS- Budget 400
million – Deadline 19 January 2022**

The general objective is to modernise transport infrastructure on the Core and Comprehensive Networks of the TEN-T. In accordance with the Article 9(2)(b)(ii) of the CEF Regulation, studies related to the following actions will be supported:

- *Where complementary and consistent with the activities supported by the Digital Europe Programme regarding Common Data Spaces, actions to support the creation, collection, management, sharing and dissemination of accurate and up-to-date transport, traffic and travel data for all modes, in particular enabling interoperability and through digitisation of processes, such as actions related to increasing availability of data for transport safety, urban vehicle access regulations, collaborative logistics and multimodal travel with the aim to make them available to relevant public and/or private stakeholders, in particular for mobility and traffic management purposes and the implementation of sustainable urban mobility indicators (SUMI).*

You can find more detail for the overall CEF programme and respective calls here:

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/cef/wp-call/2021/call-fiche_cef-t-2021-simobgen_en.pdf

Programme: Horizon Europe Framework

1. Trustworthy artificial intelligence (AI) tools to predict the risk of chronic non-communicable diseases and/or their progression

TOPIC ID: HORIZON-HLTH-2022-STAYHLTH-01-04-two-stage - Budget 60 million – Deadline 01 February 2022

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 1 “Staying healthy in a rapidly changing society”. To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to all of the following expected outcomes:

- *Clinicians, medical professionals and citizens have access to and use validated AI tools for disease risk assessment. Hence, citizens are better informed for managing their own health;*
- *Health care professionals utilise robust, trustworthy and privacy-preserving AI tools that help them to assess and predict the risk for and/or progression of chronic non-communicable diseases. Hence, citizens benefit from improved health outcomes;*
- *Health care professionals develop evidence-based recommendations and guidelines for the implementation of AI-based personalised prevention strategies. Hence, citizens benefit from optimized health care measures superior to the standard-of-care;*
- *Health care professionals employ quantitative indicators in order to identify and follow-up on individuals with high risk for the development and/or risk for the progression of chronic non-communicable diseases.*

2. New methods for the effective use of real-world data and/or synthetic data in regulatory decision-making and/or in health technology assessment

TOPIC ID: HORIZON-HLTH-2022-TOOL-11-02 - Budget 35 million – Deadline 21 April 2022

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 5 “Unlocking the full potential of new tools, technologies and digital solutions for a healthy society”. To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to all of the following expected outcomes:

- *Health regulatory bodies and/or Health Technology Assessment (HTA) bodies adopt optimised data-driven methodologies for the effective use of real-world data (including omics data)[1], and/or synthetic data derived from digital twins and advanced computational methods (such as modelling and simulation or approaches based on machine learning/AI), for the assessment of medicinal products and/or digital health innovations;*
- *Health regulatory authorities and bodies (e.g., medicines agencies, HTA bodies, notified bodies for medical devices) use optimised guidelines for the development and*

assessment of medicinal products and/or medical devices including digital health innovations;

- *Health regulatory authorities and bodies across Europe are trained in data-driven decision making using emerging data types.*

3. Computational models for new patient stratification strategies

TOPIC ID: HORIZON-HLTH-2022-TOOL-12-01-two-stage - Budget 60 million – Deadline 01 February 2022

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 5 “Unlocking the full potential of new tools, technologies and digital solutions for a healthy society”. To that end, proposals under this topic should aim for delivering results that are directed, tailored and contributing to some of the following expected outcomes:

- *Clinical researchers use effective health data integration solutions for the classification of the clinical phenotypes;*
- *Researchers and/or health care professionals use robust and validated data-driven computational tools to successfully stratify patients;*
- *Regulatory bodies approve computer-aided patient stratification strategies to enable personalised diagnosis and/or personalised therapy strategies;*
- *Health care professionals adopt evidence-based guidelines for stratification-based patient management superior to the standard-of-care.*

4. Scaling up multi-party computation, data anonymisation techniques, and synthetic data generation

TOPIC ID: HORIZON-HLTH-2022-IND-13-02 - Budget 30 million – Deadline 21 April 2022

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 6 “Maintaining an innovative, sustainable and globally competitive health industry”. To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to all of the following expected outcomes:

- *The EU contributes strongly to global standards for health data through enhancement of common European standards for health data (including medical imaging data) by researchers and innovators. Researchers and innovators contribute to GDPR compliant guidelines and rules for data anonymisation;*
- *Innovators have access to advanced secure data processing tools to test and develop robust data-driven digital solutions and services in response to the needs of researchers, clinicians and health systems at large;*

- *Cross-border health data hubs further facilitate the innovation process by providing secure, trustable testing environments for innovators;*
- *Clinicians, patients and individuals use a larger variety of high-quality data tools and services for wellbeing, prevention, diagnosis, treatment and follow-up of care;*
- *Researchers and innovators have more opportunities for testing and developing GDPR compliant data driven solutions based on actual needs of the health care environments.*
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5. Setting up a European Smart Health Innovation Hub

TOPIC ID: HORIZON-HLTH-2022-IND-13-04 - Budget 2 million – Deadline 21 April 2022

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 6 “Maintaining an innovative, sustainable and globally competitive health industry”. To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to all of the following expected outcomes:

- *Empowered patients and citizens of all ages, gender, social and economic background adopt and use digital tools to monitor their health status independently;*
- *A strong European ecosystem is created by innovators in the health domain, including, but not limited to SMEs, Research and Technology Organisations (RTOs), accelerators, incubators, (European) Digital Innovation Hubs (EDIH)[1], European Reference Sites of the EIP-AHA[2] and Knowledge Hubs, involving end-users;*
- *Public and private entities adopt the innovations of European digital health companies, especially SMEs and mid-caps, enhancing their sustainability and resilience;*
- *Citizens, patients, health practitioners and facilities, public and private actors access and make use of sustainable EU-wide reference repository of digitally-enabled innovative solutions addressing all health-related sectors, areas and segments, with particular focus on self-management and prevention.*

6. Setting up a European Electronic Health Record Exchange Format (EEHRxF) Ecosystem

TOPIC ID: HORIZON-HLTH-2022-IND-13-05 - Budget 2 million – Deadline 21 April 2022

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 6 “Maintaining an innovative, sustainable and globally competitive health industry”. To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to all of the following expected outcomes:

- *Individuals, researchers, health services and the workforce across borders in the EU Digital Single Market use significantly improved and interoperable cross-border digital*

health solutions thanks to sophisticated ICT toolbox, representative use case applications, a Pan-European ecosystem of early adopters, and a framework for sustainability and exploitation. These will also contribute to the European Health Data Space;

- *Individuals have an improved level of accessibility, control and portability of health data, including donation for research across Europe and jurisdictions;*
- *Policy makers and members of the eHealth Network[1] are better informed and advised regarding potential evolutions of the EEHRxF and its extension to other uses cases;*
- *Different target populations such as designers, developers, health care professionals, and individuals have access to exploitation and capacity building support, such as training material, dedicated tools, guidelines, mentorship and collaboration programs.*

7. Enhancing cybersecurity of connected medical devices

TOPIC ID: HORIZON-HLTH-2022-IND-13-01 - Budget 20 million – Deadline 21 April 2022

This topic aims at supporting activities that are enabling or contributing to one or several expected impacts of destination 6 “Maintaining an innovative, sustainable and globally competitive health industry”. To that end, proposals under this topic should aim for delivering results that are directed, tailored towards and contributing to some of the following expected outcomes:

- *Stakeholders (e.g., manufacturers, suppliers, health care providers, integrators, operators) apply measures to identify and address cybersecurity risks and gaps in connected medical devices;*
- *Stakeholders adopt and use newly developed risk benefit analysis schemes and capabilities for cybersecurity of connected medical devices;*
- *Stakeholders adopt and use newly developed methodologies and toolboxes for ensuring cybersecurity of connected medical devices by design;*
- *Stakeholders adopt and use fit for purpose guidance covering challenges posed by connected medical devices, including software.*

8. Artificial Intelligence (AI): Explainable and trustworthy concepts, techniques and models for CCAM (CCAM Partnership)

HORIZON-CL5-2022-D6-01-05 - Budget 12 million – Deadline 12 January 2022

Project results are expected to contribute to all of the following expected outcomes:

- *Concepts, techniques and models based on Artificial Intelligence (AI) used for situational awareness, prediction, decision making and triggering of actions for time*

critical and safety relevant CCAM applications as well as for cyber threat detection and mitigation;

- *A clear understanding of the capabilities, limitations and potential conflicts of AI based systems for CCAM;*
- *Increased user acceptance from an early stage, based on explainable, trustworthy and human-centric AI. Interactions with vehicles using AI should be understandable, human-like and reflect human psychological capabilities, and free of gender, ethnic or other biases;*
- *Accelerated AI development and training for CCAM enabled by a relevant set of real and synthetic traffic events and scenarios;*
- *AI based CCAM solutions will evolve from reactive and/or adaptive system support into predictive system state awareness (including driver state and user diversity), decision-making and actuation, enhancing road safety especially in near-critical situations.*

9. Digital tools to support the engineering of a Circular Economy (Made in Europe Partnership) (RIA)

TOPIC ID: HORIZON-CL4-2022-TWIN-TRANSITION-01-07 - Budget 22 million – Deadline 30 March 2022

Projects are expected to contribute to the following outcomes:

- *Provide a range of support solutions and innovative digital tools for engineers, technicians and operators on the factory floor, in order to build agile, sustainable and responsive production environment and supply chains, with specific focus on areas such as material saving, repair, refurbishing, re-manufacturing, recycling, and reuse of products and components;*
- *Reduction of the dependency from imported raw materials or harmful materials for the European manufacturing sector (e.g. by material consumption reduction, material substitution and use of secondary raw materials);*
- *Define specifications and standards for data, products, and/or business processes, that can be agreed and commonly used by many industrial actors and across different industry sectors; and facilitate industry agreements on circularity and sustainability through increased data exchange among value chain actors and enable the development of new types of businesses;*
- *Reduce the skills and knowledge gap for the actors involved.*

10. Upscaling (real-time) sensor data for EU-wide monitoring of production and agri-environmental conditions

TOPIC ID: HORIZON-CL6-2022-GOVERNANCE-01-11 - Budget 15 million – deadline 15 February 2022

Project results are expected to contribute to all of the following expected outcomes:

- *Strengthening capacities for smart farming, and thus to enhance the environmental and economic performance of the agricultural sector;*
- *Strengthening capacities for agri-environmental (climate) monitoring, particularly of soil and crop conditions;*
- *Provision of inputs to the work of the Horizon Europe candidate partnership “Agriculture of Data” and the potential R&I mission on soil health.*

11. New technologies for acquiring in-situ observation datasets to address climate change effects

TOPIC ID: HORIZON-CL6-2022-GOVERNANCE-01-07 - Budget 20 million – deadline 15 February 2022

Proposals are expected to contribute to at least four of the following outcomes:

- *Lower cost of in-situ observation in terms of capital cost, deployment/recovery, and maintain leading;*
- *Improved geographical coverage and long-time series of in situ environmental observations;*
- *Tested and validated new in-situ measurement technologies in hard-to-reach under-sampled areas;*
- *Dedicated technical protocols ensuring validation, interoperability, and synchronisation between in-situ and remote sensing systems in compliance with the GEOSS and Copernicus requirements;*
- *Established collaboration with environmental observation data providers to ensure proper gap filling and adequate responses in terms of acquisition protocols;*
- *Coherent business model(s) involving industrialists, research centres, and users ensuring the sustainability of systems developed;*
- *Contribute to reinforcing the in-situ component of the GEO initiative, the Copernicus programme and the EC-ESA initiative on Earth system science, and to strengthen in-situ observations to adequately complement the space-based observations planned through Copernicus Expansion Missions.*

12. Piloting approaches and tools to empower citizens to exercise their “data rights” in the area of food and nutrition

TOPIC ID: HORIZON-CL6-2022-GOVERNANCE-01-10 - Budget 8 million – deadline 15 February 2022

Project results are expected to contribute to all of the expected outcomes:

- *empower citizens to exercise their “data rights” and to contribute to a just transition of food systems*
- *pilot digital solutions in food systems and nutrition with enhanced personal data protection and data sovereignty and which achieve a fairer distribution of wealth and benefits*
- *advance alternative approaches to food system data sharing that promote innovation and increase competition*

[Other forthcoming EU calls to be out this month](#)

1. Cognitive Cloud: AI-enabled computing continuum from Cloud to Edge (RIA)

TOPIC ID: HORIZON-CL4-2022-DATA-01-02 – Budget 50 million – opening 23 November

2. Methods for exploiting data and knowledge for extremely precise outcomes (analysis, prediction, decision support), reducing complexity and presenting insights in understandable way

TOPIC ID: HORIZON-CL4-2022-DATA-01-01 – Budget 33 million – opening 23 November

3. Extreme data mining, aggregation and analytics technologies and solutions (RIA)

TOPIC ID: HORIZON-CL4-2022-DATA-01-05 – Budget 30 million – opening 23 November

4. Technologies and solutions for data trading, monetizing, exchange and interoperability (AI, Data and Robotics Partnership) (IA)

TOPIC ID: HORIZON-CL4-2022-DATA-01-04 – Budget 52 million – opening 23 November

5. Programming tools for decentralised intelligence and swarms (RIA)

TOPIC ID: HORIZON-CL4-2022-DATA-01-03 – Budget 40 million – opening 23 November

National calls (with international bidding)

FRANCE

1. The Application of Neuromorphic Processors to Satcom Applications

Tenders are invited for the Application of Neuromorphic Processors to Satcom Applications (Artes Fpe 1A.114) – Expro. Artificial Intelligence is set to play a major role in the automation of future satcom systems, enabled by the significant advances in Machine Learning techniques of recent years. The computer processors that AI algorithms will run on have not developed at the same pace however, potentially limiting or delaying the benefits foreseen.

Organisation: EUROPEAN SPACE AGENCY (ESA)

Address: ESA Head Office, 8-10 Rue Mario Nikis, 75738 Paris Cedex 15

E-Mail: eohelp@esa.int Telephone: +33--06-94180777 Deadline: 27 December 2021

2. Market for updating the Me And Ge Cartographic Databases on The Territory of the Ile De France East Regional Office – Budget 3.500.000 Euro

The contract concerns the realization of the cartographic updating of the Enedis off-site electrical databases for the Ile de France East regional office, for the medium scale (sig database, overhead and underground networks, hta and bt). These are operations of creation, modification, integration of cartographic data in a computerized form in the database.

Organisation: ENEDIS

Address: Tour Enedis 34 Place des Corolles COURBEVOIE

E-mail: bertrand.tavernier@enedis.fr Telephone: +33 251785179

Deadline: 22 November 2021

3. Develop Pilot Software Capabilities Specifically for The Use Of Artificial Intelligence (ai) In Digital Twin Earth (dte)

This activity aims to develop pilot software capabilities specifically for the use of Artificial Intelligence (AI) in Digital Twin Earth (DTE), to demonstrate the capabilities through the implementation of a set of DTE-specific use cases, to refine and consolidate the concept of AI4DTE, and to define a roadmap towards the operationalisation of AI4DTE functionalities in the medium term.

Organisation: EUROPEAN SPACE AGENCY (ESA)

Address: ESA Head Office, 8-10 Rue Mario Nikis, 75738 Paris Cedex 15

E-mail: eohelp@esa.int Telephone: +33 0694180777 Deadline: 04 January2022

4. Cloud Services – Budget 100.000.000 Euro

Link to original document :

<https://securedocs.tendersinfo.com/T466584684.html?id=1E4BE809F6F5BE18C10027D36122F4DD0206DDACC6A42DDDD3DD6046DFCC5D7592F0EB602B5A23E5D8992678F4ACFA3C2B6AA0F7DBF0B12B9A46B55FABF335A385BC8CBAFF876E995B724EC427E43A6DF3D142B68FED4535D96917F2BC10FF9>

Organisation: Union des Groupements d'Achats Publics

Address: 1 Boulevard Archimède - Champs sur Marne

E-mail: schatillon@ugap.fr Telephone : +33 164732417

Deadline: 30 November 2021

NETHERLANDS

1. The Acquisition of Information from International Databases

The tender documents are available directly at:

<https://www.tenderned.nl/tendernedweb/aankonINGEN/detail/publicatie/akid/b86fa612e8db6e00c4447ecc9f788cd5>

Organisation: Ministry of Economic Affairs and Climate, Netherlands Enterprise Agency (RVO)

Address: Prinses Beatrixlaan 2 Den Haag 2595 Al Marcel Van Der Beek

E-mail: iuc@rvo.nl Deadline: 22 November 2021

2. Contact Center Cloud Service

The tender documents are available at:

<https://portal.negometrix.com/index.cfm?action=sourcing: requestform.subscribe&document=4E6DF53F-E7A5-BB11-F4D2F5C23B2C5C8A>

Organisation: ALLIANDER N.V.

Address: Utrechtseweg 68 Arnhem, 6812 Ah

E-Mail: annemieke.theloosen@alliander.com Deadline: 6 December 2021

3. Public European Procurement Multi-functionals, Repro Equipment and Post-Processing Equipment

The province of Limburg intends to contract a supplier with effect from 1-3-2022 for the delivery of multi-functionals and post-processing equipment. Although a more traditional on-premises infrastructure is currently present, there is clearly a shift to cloud technologies, in particular in the field of applications (saas). The province of Limburg follows this trend and has a "cloud unless" policy for new applications. In addition, the migration to office 365/SharePoint online will take place online within 2 years.

Organisation: PROVINCIE LIMBURG

Address: Limburglaan 10 Maastricht, 6229Ga Telephone: +316 25779499

E-mail: eh.rutjens@prvlimburg.nl Deadline: 24 November 2021

SPAIN

1. Support for Strategic Decision Making Through Advanced Data Analytics, Big Data Technologies and Artificial Intelligence Techniques - 4.233.017,77 Euro

Contracting by the Digital Agency of Andalusia, support services for strategic decision making through advanced data analytics using Big Data technologies and Artificial Intelligence techniques.

The procurement documents at: <http://www.juntadeandalucia.es/contratacion>

Organisation: AGENCIA DIGITAL DE ANDALUCÍA (Q4100953A)

Address: Avenida De Roma S/N Palacio De San Telmo, Sevilla

E-mail: contratacion.ada@juntadeandalucia.es Deadline: 16 February 2021

2. Evolution and Maintenance Services of Technological Infrastructures for The Services Provided by the Government of La Rioja in The Field of Information and Communication Technologies – Budget 105.732.316 Euro

The object of this contract is the evolution, operation and maintenance of the services and supplies of different ICT infrastructures that include, at a global level, technological areas such as the wan network of fixed and mobile communications, wiring, network electronics, Wi-Fi network, network access devices, virtual desktop, user support, printing, services and supplies associated with the datacenter, cloud services for datacenter and various security-related ICT services.

Organisation: CONSEJERÍA DE DESARROLLO AUTONÓMICO

Address: Avda Zaragoza 21

E-mail: sgt.desc@larioja.org Telephone: +34-941291937 Deadline: 18 November 2021

3. Copernicus C3s2_361a New Generation Copernicus Pan-arctic Regional Climate Reanalysis – Budget 4.400.000 GBP

ECMWF, as the entrusted entity for the Copernicus climate change service (c3s), invites tenders for the production of pan-arctic regional reanalysis. This new regional reanalysis for the entire arctic region using a single arctic domain would supersede the European arctic regional reanalysis products developed in the previous phase of Copernicus. Ecmwf intends to award a single framework agreement for a period of 48 months, implemented via service contracts, for services focused on the creation of a new generation of arctic regional reanalysis. The invitation to tender is for a contract to generate and deliver regional reanalysis products for the entire arctic region using one single domain (pan-arctic). The scope of activities of the contract includes:

- *development of a production system for regional reanalysis;*
- *preparation and quality control of observations and other input data;*
- *reanalysis production, post-processing and quality assurance;*
- *public publication of datasets in the climate data store (cds) which includes provision of adequate documentation;*
- *user guidance and user support via the service desk;*
- *management, implementation and coordination.*

Organisation: EUROPEAN CENTRE FOR MEDIUM-RANGE WEATHER FORECASTS (ECMWF)

Address: Shenfield Park, UKJ11 Berkshire, RG2 9AX

E-mail: procurement@ecmwf.int Deadline: 22 December 2021

EVENTS

1. The European Big Data Value Forum - November 29, 2021 – December 3, 2021 - Slovenia
EBDVF 2021 theme is “Digital Transformation powered by Data and AI”. The programme tracks are structured to cover strategic aspects of technological challenges and impact, discussing the topics of adoption of industrial and trustworthy AI, Data Spaces, Data-Driven business models, standardization, societal impacts and many others. Registrations are open.

2. Data Spaces for Manufacturing Info day – Networking session 22 November 2021

The aim of this info-day is to shed light on the two-step approach for creating data spaces for manufacturing in Europe. In particular, the info day will gather relevant stakeholders to share ideas on who can support, with which focus, the preparatory actions needed to support the deployment of the data spaces.

Best regards,

Jeanette Fava CFO office