

PRESS RELEASE

Paris, July 18th 2022

Launch of a pilot project for the European Health Data Space: towards new opportunities for health research in Europe

The European Commission has announced its decision to choose the consortium led by the French Health Data Hub to set up a pilot project for the European Health Data Space. This project will aim to feed the legislative discussions around the draft regulation proposed by the European Commission on May 3rd on the European Health Data Space. Our winning consortium will gather sixteen partners, from ten European countries. Its objective will be to address the challenges surrounding access to health data throughout the EU, to open new perspectives to research and innovation.

[Link](#) to the consortium video

As the winner of a call for proposals launched by the European Commission in late 2021, the consortium will get to work in September to start building the very first version of the future European Health Data Space.

Since 2019, the European Commission has identified the creation of a European health data space as one of the priorities of the European health policy. Several prefigurative instruments have already been set up by the Commission. The goal is now to go from discussion to implementation, thanks to a call for proposals under the EU4Health program, to set up a pilot of the European space for secondary use of health data. As stated by Dr. Petr Holub, CIO for BBMRI-ERIC, the Biobanking and BioMolecular resources Research Infrastructure, "the pilot is an important endeavor to bring together national data permit authorities, public health infrastructures and health research infrastructures, in order to enable linking and integrating data between data sources in the European Health Data Space ecosystem; this pilot project is a major first step that will allow practical validation of this concept."

This prefigurative version will address the main challenges surrounding the access to health data in Europe, for the benefit of all citizens.

As underlined by Mrs. France Nivelles, Chief Communication and Content officer of the European research infrastructure eBrains, "what is very important is to tap into the wealth of health data which today is fragmented across Europe and research has difficulty to access this data for science". There are indeed multiple barriers, as stressed, for example, by consortium partners such as the Finnish platform Findata or the Hungarian National Directorate General for Hospitals: data quality, delays in access to data, lack of interoperability or unclear legal frameworks are challenges that need to be addressed

through common rules, in order to allow researchers to easily and quickly identify the available data and to access it.

The consortium partners share a clear vision of what could concretely be done with the future European Health Data Space. The Croatian Public Health Institute cites the possibility of carrying out research projects at a much bigger scale, which will have a strong added value for smaller EU countries who do not always have sufficient data to launch scientific projects. The European Health Data Space will also make it possible to tackle specific pathologies, in particular when it comes to rare diseases. The Danish Health Data Authority underlines that, in a country the size of Denmark, the volume of data available on rare diseases is not sufficient to conduct research projects. Thanks to the work of the consortium, diagnostic and treatment data will be gathered throughout Europe, which will, as underlined by the representatives of the rare disease knowledge base Orphanet, "provide a clear picture of the situation of rare diseases"

The European Health Data Space will support the deployment of future health policies on a European scale. As mentioned by Dr. Nienke Schutte, researcher in the Belgian institute for health Sciensano, "to make the most of health spending and investments both at EU and national level, proactive, operational and strategic decision making should be based on solid and up to date data". Mrs. Hanna Tolonen, Public Health Monitoring and Reporting Section Vice-President for the European Public Health Association (EUPHA) also welcomes the possibility "to have a strong evidence base to identify, develop and advocate for actionable policy recommendations", in support of the EUPHA's missions. Furthermore, for the two European agencies involved in the consortium, the European Health Data Space will represent an indispensable tool for real world data based decision making: the European Medicines Agency (EMA) underlines the importance of real world evidence to underpin decision making on the development, authorisation and supervision of medicines, while the Europe Centre for Disease Prevention and Control (ECDC) sees it as a tool for preventing and controlling infectious disease threats to European citizens.

In this context, the consortium will also take an interest in the new opportunities brought by Artificial Intelligence, as underlined by the Norwegian Directorate of eHealth, to fully exploit the available European health data and improve diagnostic and prevention.

Finally, the European Health Data Space will feed into ambitious large-scale projects for the benefit of research and health policies, such as the "1+ Million Genome Initiative", supported by the ELIXIR infrastructure, which aims to enable secure access to genomics and the corresponding clinical data across Europe.

In two years, the consortium's goal will be to set up concrete foundations for the future European Health Data Space.

The consortium will be tasked with developing and deploying a network of data sources platforms, called nodes, by connecting the national platforms of participating countries, and to evaluate the feasibility, interest and the capacity to deploy such an infrastructure throughout the whole of the European Union. The operation of the new infrastructure will be

put to the test through concrete research use cases. The goal is to demonstrate the potential of transnational reuse of health data for research, innovation, development of regulations and policies and, ultimately, personalised healthcare.

On May 3rd 2022, the European Commission presented its draft regulation aiming to create the European Health Data Space, which will be discussed in the European Parliament and in the Council of the EU in parallel with the deployment of the pilot project.

For more information:

Previous press release on the candidacy:

<https://www.health-data-hub.fr/sites/default/files/2022-03/20220129-EHDS2Pilot-JointPressRelease-En.pdf>

ABOUT THE HEALTH DATA HUB



Health data are essential for research and innovation in health, yet these data are often under-used because they remain too scattered. The HDH was hence conceived as the unique gateway to health data in France. Implemented in November 2019, it interacts with a variety of actors within the health ecosystem. The Health Data Hub has set up a highly efficient technological platform enabling public interest project leaders to mobilise very large data sources, to cross-reference them, and to use enough computing power to run complex search algorithms. In a word, the HDH supports ambitious project leaders who contribute to finding tomorrow's solutions to improve all citizens' health.

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Press Contact:

presse@health-data-hub.fr

ABOUT Sciensano



Sciensano is a federal research institute that operates under the authority of the federal minister of Public Health and the federal minister of Agriculture of Belgium and is the scientific reference in the field of public health in Belgium. Its EU health information systems unit has taken the lead in many European projects: BRIDGE Health project, the Joint Action in Health Information InfAct, BAHCI (Bringing a Health Claim to Information) and PHIRI (the Population Health Information research infrastructure for COVID-19) in health information since its establishment in 2014. Furthermore, the EU HIS unit is involved in other European projects focussing on facilitating the (re)use of health data for research, such as HealthyCloud, the Joint Action TEHDAS (Towards the European Health Data Space) and BeYond COVID (BY-COVID). Sciensano's EU HIS unit is in an ideal position to contribute to the consortium, being well-connected in the European health data landscape.

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Press contact:

Barthelemy.MoreaudeLizoreux@sciensano.be

press@sciensano.be

ABOUT THE DANISH HEALTH DATA AUTHORITY



**DANISH HEALTH
DATA AUTHORITY**

The Danish Health Data Authority (DHDA) is a part of The Ministry of Health, established in 2015 with 300 employees. Main task is to develop and run the national health registers to ensure comprehensive and valid health data for patient treatment, development, planning and research. Affiliated partners: 1) Central Denmark Region (CDR) with 5 hospitals, a mature business intelligence platform, and a mature electronic health record, also performs research with more than 2,600 peer-reviewed publications per year from the University Hospital of Aarhus 2) Central Denmark EU Office (CDEU) investigate policy impacts and supports EU funded projects 3) Danish Life Science Cluster (DLSC) facilitates translation of knowledge to technological solutions for the benefit of patients.

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Press contact:

SDSpresse@sundhedsdata.dk

ABOUT FINDATA

FINDATA

Social and Health Data Permit Authority

The Finnish Social and Health Data Permit Authority Findata is a one-stop shop for the secondary use of social and health care register data in Finland. Findata was established in 2019, started operations in 2020 and has currently 22 employees. The main objectives of Findata are to improve data security and streamline the utilisation of social and health care data resources. Findata grants permits for the secondary use of data when it is needed from several public data controllers, the private sector or Kanta services. After granting the permit it compiles, combines and pre-process the data and offers Kapseli – a secure remote access system with tools for analysing. Findata works in conjunction with Finnish Institute for Health and Welfare, under the performance guidance of the Ministry of Social Affairs and Health.

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Press contact:

antti.pirainen@findata.fi

ABOUT THE HEALTH DATA LAB



HDL

The Health Data Lab (HDL) is a unit of the Federal Institute for Drugs and Medical Devices (BfArM), Germany. It is currently under construction, but once operational, it will contain health claims data of all people in Germany with statutory health insurance (> 70 million people). In the future, it will also maintain voluntarily shared data from electronic patient records. The purpose of the HDL is to review data applications, minimise the re-identification risk and provide secure data access to legally determined beneficiaries such as researchers or public institutions aiming to improve the healthcare system. The HDL has extensive experience in national and international consortia (TEHDAS, CIOMS, NFDI4health, EMA Big Data Steering Group and DARWIN EU ® Advisory Board) which could strengthen the interconnection of the various European initiatives.

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Press contact:
presse@bfarm.de

ABOUT THE NORWEGIAN DIRECTORATE OF eHEALTH



The Norwegian Directorate of eHealth is a sub-ordinate institution of the Norwegian Ministry of Health and Care Services. The Directorate is responsible for steering and coordination of eHealth through close cooperation with regional health authorities, local authorities, technical organisations, and other interested parties. Main responsibilities include developing and implementing the national policy on eHealth, establishing the requisite standards, and administrating the use of eHealth methodology nation-wide.

Health Data Service (HDS) is a section within the directorate, and is being developed as a national service for easier access to data from health registers. HDS is administrating and developing the website helsedata.no, which provides guidance and tools to access high quality health data for research and innovation purposes.

As the national competent authority of eHealth in Norway, our responsibilities include: Implementation the country's policy on eHealth, Ensuring efficient national administration of eHealth, Serving as the secretariat of national fora on eHealth, Providing technical advice and interpretation of the relevant laws, Problem description and analysis in eHealth, Formulating and following-up the national eHealth strategy, Determining the codes, terminology and ICT standards, and their administration, and Ensuring intersectorial and international cooperation in ICT in health and care services.

See more information on the directorates [website](#) and on helsedata.no/English
Follow us on social media : [Linkedin](#) and [twitter](#)

Press contact:
Mads.Bjerke@ehelse.no

ABOUT NATIONAL DIRECTORATE GENERAL FOR HOSPITALS



ORSZÁGOS KÓRHÁZI FŐIGAZGATÓSÁG - OKFŐ (official English version: National Directorate General for Hospitals). A public body responsible for coordination, development and quality assurance of healthcare provision and services, also functions as the maintainer of almost 100 hospitals all over Hungary. OKFŐ as a public authority monitors the operation of the healthcare system, facilitates strategic government decisions concerning the revision of the healthcare provision, and contributes to the development of a new, integrated and transparent national health care system. OKFŐ manages a great number of EU-funded international and domestic projects for health development, thus having an extended international partner network. In Interreg funded projects OKFŐ represents the health sector from Hungary and provides assistance to articulate user needs in service and product development and testing, as well as implementing Policy Pilots to design e-Services, focusing on home care, day/outpatient surgery, and other different care types by health care providers. It is the designated National Contact Point for eHealth in Hungary and the central data provider managing the National eHealth Digital Service Infrastructure (EESZT). Today, more than 26 thousand health care professionals and 13 thousand pharmacy staff use the EESZT data infrastructure in more than 22,000 institutions, including private service providers.

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Press contact:
kommunikacio@okfo.gov.hu

ABOUT THE CROATIAN INSTITUTE OF PUBLIC HEALTH



The Croatian Institute of Public Health is a central public health institute in the Republic of Croatia. CIPH carries out epidemiological surveillance and proposes, organizes and undertakes preventive and counter-epidemic measures. CIPH collects all relevant health statistics data for the Republic of Croatia. The Institute functions as a statistical authority which maintains national public health registries, supervises data storage and coordinates the work of other health registers.

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Press contact:

Info@hzjz.hr

ABOUT ARAGON HEALTH SCIENCES INSTITUTE



IACS is a Regional Health Research Institute that supports stable research groups in the areas of clinical and translational medical research, biomedicine, public health, health systems and policy research. In addition, IACS hosts and manages technological core platforms supporting biomedical research in the region, linking to the national and European networks. IACS Biocomputing Unit combines two major activities and services: medical informatics and bioinformatics.

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Press contact:

comunicacion.iacs@aragon.es

ABOUT EUROPEAN CENTRE FOR DISEASE PREVENTION AND CONTROL



ECDC is an EU agency aimed at strengthening Europe's defences against infectious diseases. The core functions cover a wide spectrum of activities: surveillance, epidemic intelligence, response, scientific advice, microbiology, preparedness, public health training, international relations, health communication, and the scientific journal Eurosurveillance. ECDC disease programmes cover: Antimicrobial resistance and healthcare-associated infections; Emerging and vector-borne diseases, Food- and waterborne diseases and zoonoses; HIV, sexually transmitted infections and viral hepatitis; Influenza and other respiratory viruses; Tuberculosis; Vaccine-preventable diseases.

ECDC contributes to EU and global health security, giving particular attention to the areas like antimicrobial resistance, the effectiveness of vaccination programmes, preparedness for cross-border health threats, monitoring of COVID-19 and supporting the response by Member States to the pandemic.

The Centre is tasked with development of digital platforms and applications, supporting epidemiological surveillance at Union level and enabling the use of new digital technologies in the compilation and analysis of data. ECDC already started to work on projects and initiatives aiming to build integrated epidemiological surveillance systems (i.e. for severe acute respiratory infections, and information systems such as EpiPulse, IDSS). The next generation of digital platforms and applications for surveillance will be developed with the intention that the data from European Health Data Space could be used for infectious disease surveillance.

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Press contact:

press@ecdc.europa.eu

ABOUT EUROPEAN MEDICINES AGENCY

The mission of the European Medicines Agency (EMA) is to foster scientific excellence in the evaluation and supervision of medicines, for the benefit of public and animal health in the EU. EMA's scientific committees provide independent recommendations on medicines for human and veterinary use, based on a comprehensive scientific evaluation of data. EMA is involved in and supports a number of research projects with academia, learned societies and research groups. EMA also plays a key role in forming and managing networks, including the European Network of Centres for Pharmacoepidemiology and Pharmacovigilance (ENCePP).

EMA is establishing the Data Analysis and Real World Interrogation Network (DARWIN EU ®), a network of European real-world healthcare databases and related analytical services. DARWIN EU ® contributes to the delivery of the European Medicines Agencies Network Strategy to 2025. DARWIN EU ® will act as a pathfinder for the European Health Data Space (EHDS) and will ultimately connect to the EHDS services, enabling the use of the EHDS in the context of medicines regulation in Europe.

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Press contact:

<https://www.ema.europa.eu/en/about-us/contacts-european-medicines-agency>

press@ema.europa.eu

ABOUT BBMRI

The Biobanking and BioMolecular resources Research Infrastructure - European Research Infrastructure Consortium (BBMRI-ERIC) facilitates access to samples and data as well as biomolecular resources to advance and implement precision medicine. BBMRI-ERIC is constituted by 23 Member States and one International Organization (AT, BE, BG, CH, CY, CZ, DE, EE, ES, FI, GR, HU, IT, MT, LT, LV, NL, NO, PL, SI, SE, TR, UK and IARC/WHO), making it one of the largest research infrastructures for health research in Europe. Together with its National Nodes, about 700 affiliated biobanks, stakeholders and partners as well as its Expert Centres, BBMRI-ERIC provides services and advancements in the areas of Ethical, Legal and Societal Issues (ELSI), Quality Management (QM), Information Technology (IT), Biobanking Development (BBD), Public Affairs (PA), and Outreach, Education & Communications (OEC).

In the EHDS2 Pilot, BBMRI-ERIC will particularly contribute with its expertise on regulatory and legal compliance including ethics data access procedures, security requirements and GDPR compliance to build a unique data access application for the EHDS and allow cross-border use of data. BBMRI-ERIC will further provide expertise on data interoperability, quality and protection including solutions for query and semantic interoperability with the goal of enabling precision medicine and provide guidance to personalized health care.

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Press contact:

luc.deltombe@bbmri-eric.eu

ABOUT EBRAINS



EBRAINS

EBRAINS is an AISBL registered in Belgium. EBRAINS is a new digital research infrastructure, created by the EU-funded Human Brain Project, to foster brain-related research and to help translate the latest scientific discoveries into innovation in medicine and industry, for the benefit of patients and society.

It draws on cutting-edge neuroscience and offers an extensive range of brain data sets, a multilevel brain atlas, modelling and simulation tools, easy access to high-performance computing resources and to robotics and neuromorphic platforms.

All academic researchers have open access to EBRAINS' state-of-the-art services. Industry researchers are also very welcome to use the platform under specific agreements.

Find out more information on our [website](#)

Follow us on social media : [Linkedin](#) and [twitter](#)

Press contact:

pedro.teixeira@ebrains.eu

ABOUT ELIXIR



ELIXIR is an intergovernmental organisation, which builds on existing life sciences data resources and services within Europe to orchestrate the collection, archiving, access, and processing of large amounts of data. ELIXIR is constructing and operating a sustainable federated ecosystem of interoperable services to enable access to population scale genomic and biomolecular data across borders. ELIXIR coordinates the B1MG project that supports the 1+MG initiative delivering the blueprint for the genomic data infrastructure that will have to interoperate with the EHDS.

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Follow us on social media : [Linkedin](#) and [twitter](#)

Press contact:

elaine.westwick@elixir-europe.org

ABOUT ORPHANET-INSERM US-14



Orphanet is an international network, coordinated by Inserm US-14, which provides manually-curated, expert-reviewed information and data on rare diseases (RD). This includes the Orphanet knowledge base, the Orphadata.com platform (which houses Orphadata Science, an ELIXIR Core Data Resource), and the Orphanet Ontology for Rare Diseases (ORDO). Orphanet produces the standard nomenclature for rare diseases (ORPHAcodes) used in health information systems and RD registries. It additionally provides expertise on metadata models and access to an international network of experts in RDs in 41 countries.

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Press contact:

media.orphanet@inserm.fr

ABOUT THE EUROPEAN PUBLIC HEALTH ASSOCIATION



The European Public Health Association, or EUPHA in short, is an umbrella organisation for public health associations in Europe. Our network of national associations of public health represents around 20'000 public health professionals. The thematic network 'EUPHA Public health monitoring and reporting section' with almost 3000 members, represents an important stakeholder group for the EHDS Pilot project that brings together researchers, policymakers and practitioners working in the same field for knowledge sharing and capacity building.

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Press contact:
office@eupha.org