



HEALTH  
DATA HUB



**Health Data Hub**  
A unique gateway to  
health data in France

May, 2022

# The Health Data Hub's mission: a unique gateway for easy, unified, transparent and secure access to health data

2  
observations

Using health data has important recognised benefits such as advancing medical research, supporting health professionals in prevention, screening and diagnosis, or supporting public health policies design.

France has an unprecedented wealth of health data, but it is too scattered and compartmentalised, and access times are dissuasive despite the recognised benefits of using those data.

1  
project

A project stemming from the French President's desire to make healthcare one of the priority sectors for the development of AI in France, the Health Data Hub was launched on December 1, 2019.

1  
mission

Ensure easy, unified, transparent and secure access to health data to improve the quality of care and support for patients.

# The HDH aims to facilitate access to health data in France

The uses of health data are multiplying and access to data sources in the shortest possible time is essential. The Health Data Hub is a public structure created at the end of 2019 to facilitate access to health data for public interest projects in order to improve the quality of care for patients.



A **unique gateway** to health data in France



A **collection of databases**, including one of the largest medico-administrative database in the world



A **state-of-the-art and secure technological platform**



Several tools to **bring together key stakeholders** and to foster a health data culture

# Why is the Health Data Hub a *game changer* in research for health improvements?

## Linking different data sources

### Early warning systems for patient management



*Ex. : development of an alert tool for medical professionals based on data from connected medical devices annotated with medical and administrative data*

### Offer patients the best long-term treatments



*Ex. : comparison of healthcare using cohort data enriched with medical and administrative data when clinical trials are not possible*

## Elastic storage and computing capacities

### Supporting the health professional in an increasingly complex clinical context



*Ex. : characterisation of alerts in case of drug interactions from the main SMDS database*

### Save time, improve screening, and reduce delays in diagnosis



*Ex. : development of a diagnostic tool for 10,000 MRI scans*

# Animating the health data ecosystem by creating meaningful contents and events and ensuring their dissemination

**"Health data interoperability : A European challenge for impactful research project"**



**Event in partnership with the UK Embassy in Paris**



**4th edition of our "Health data and collective intelligence" colloquium**



**"AI4Health" Winter School**



**"What opportunities for national health data platforms?"**



**Symposium "AI and medicine"**

**+120** events in which the Health Data Hub participated

**#5** events supported by the French Presidency of the Council of Europe with the "PFUE" label



# A broader strategy: building international partnerships with major actors

**Joining impactful networks**

**Engaging in concrete partnerships**



**Answering to international and European calls for projects**

**Identifying new partners**

# Data sharing is a major challenge at European level



# Two prefigurative instruments for the future implementation of a European Health Data Space

In order to facilitate the use of data, the European Commission has identified the creation of a European Health Data Space (EHDS) as top priority of the European health policy.



## TEHDAS joint action

provides studies, concepts,  
recommendations on secondary use  
of healthdata on a European scale

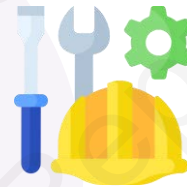
25 countries

4,17 million € grants

2



prefigurative  
instruments  
led by the  
European  
Commission



## EHDS pilot

creates and tests a first  
version of European Health  
Data Space network

16 partners

10 countries

5 million € grants



# The Health Data Hub, leader of a candidate consortium for the EHDS pilot project

A major consortium to answer the European commission call for project...

... to concretely test the EHDS in practice

## National platforms

( France, Finland, Germany, Belgium, Denmark, Hungary, Croatia, Norway)



European agencies  
(EMA, ECDC)



International research infrastructures and associations  
(BBMRI, Elixir, eBrains)

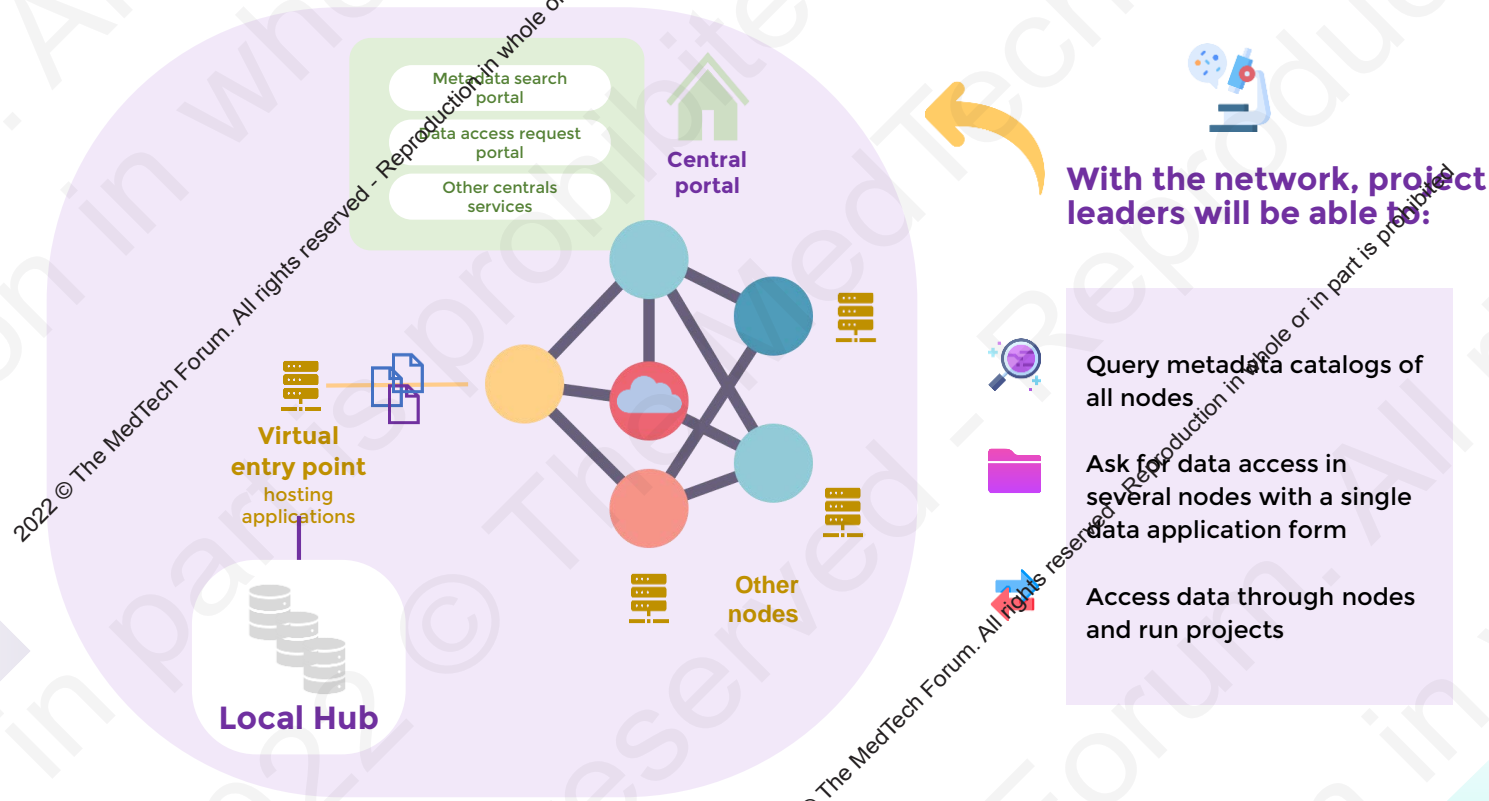
A network of data platforms at European level

Cross-border research use cases

Recommendations for the future EHDS



# The EHDS2 Pilot project: the first European network for secondary use of data projects



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