



HEALTH  
DATA HUB

A background photograph of three people in a laboratory or office setting. A woman in a dark blazer and jeans is pointing at a piece of equipment. A man with glasses and a beard is looking at a tablet. Another woman is visible in the background, looking at a computer monitor. The scene is overlaid with large, semi-transparent geometric shapes in purple and blue.

# 2022 Roadmap

The Health Data Hub is a public structure whose mission is to guarantee easy and unified access to health data for projects of general interest, in compliance with regulations and citizens' rights. It provides a highly secure, state-of-the-art technological platform to project leaders who are interested.



# Our ambitions for 2022

Reducing **delays in accessing health data** and **increase impactful projects**

Being **receptive to civil society** and **co-construct a culture of health data**

Contributing to the prefiguration of the **European Health Data Space**



1

Integrating and enriching **the main database and catalog**



2

**Consolidating a technological platform** that respects the principle of reversibility and the national strategy for a trusted cloud



3



4

Contributing to the development of a **database funding strategy** to promote their sharing and development



5



6



7

Keeping developing the international structure

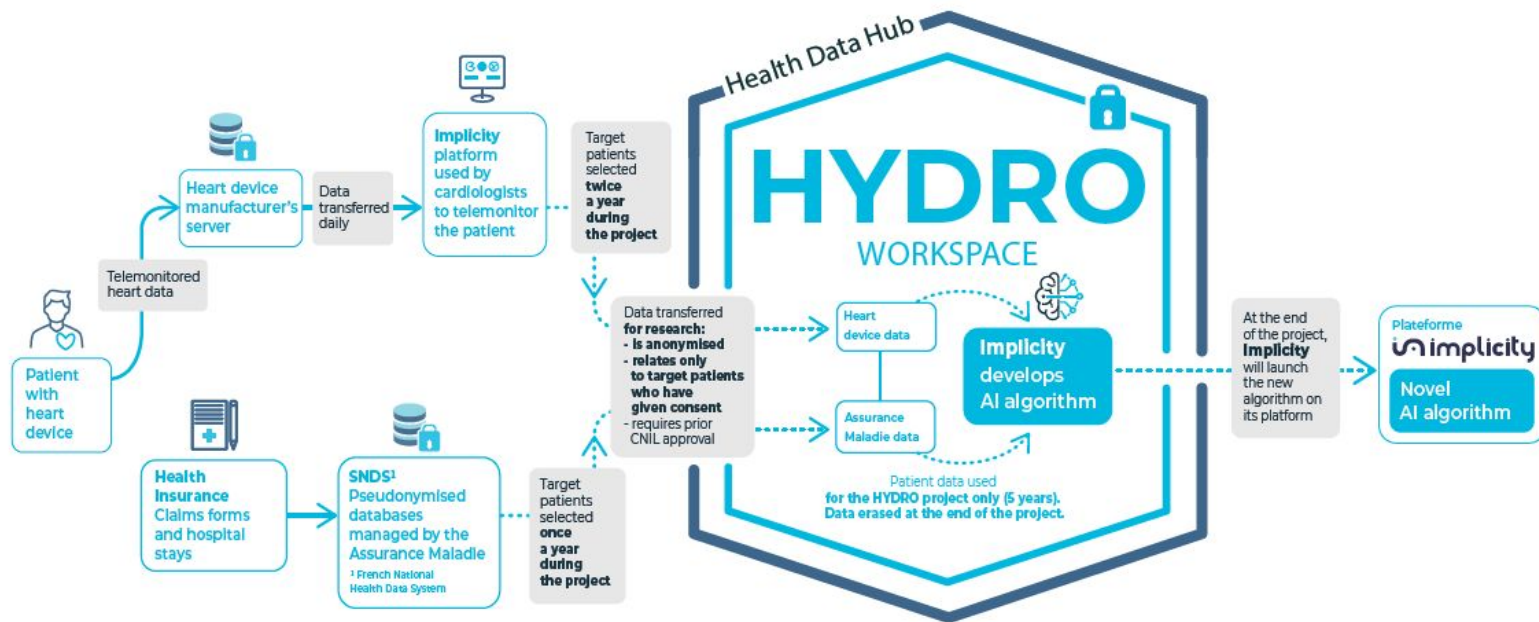




# Integrating and enriching the main database and catalogue

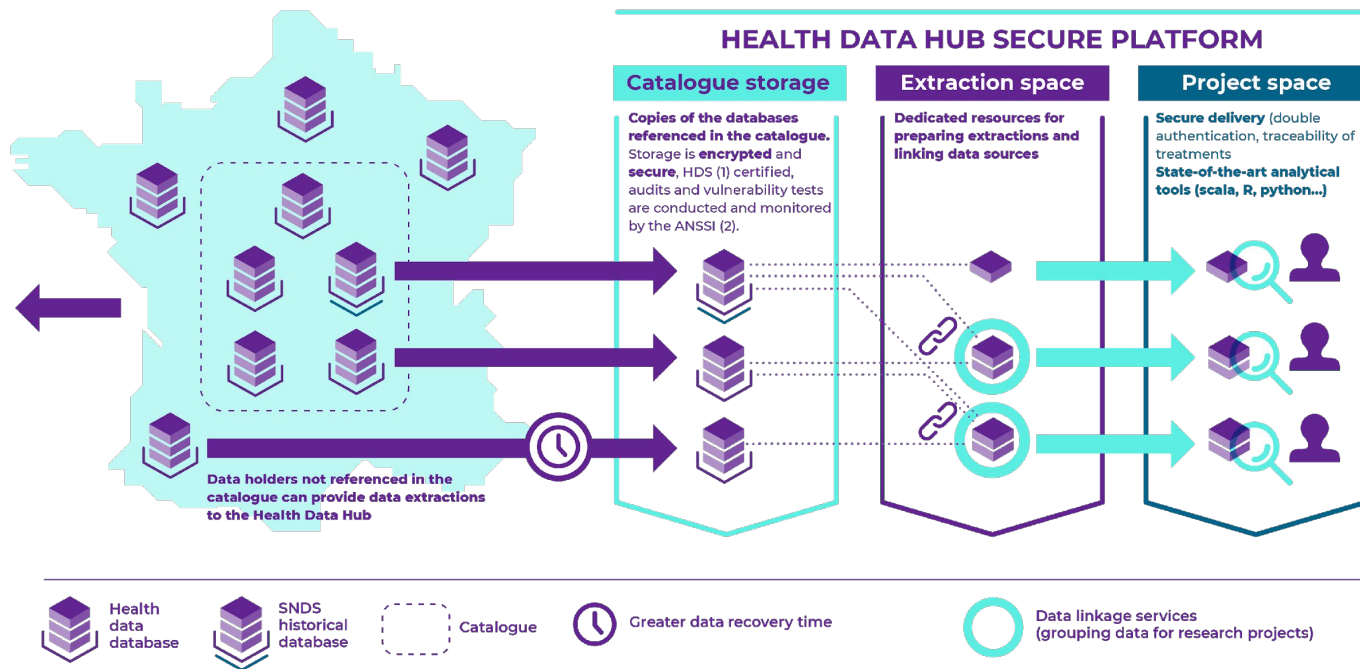


# Today, the Health Data Hub provides data on a project-by-project basis...

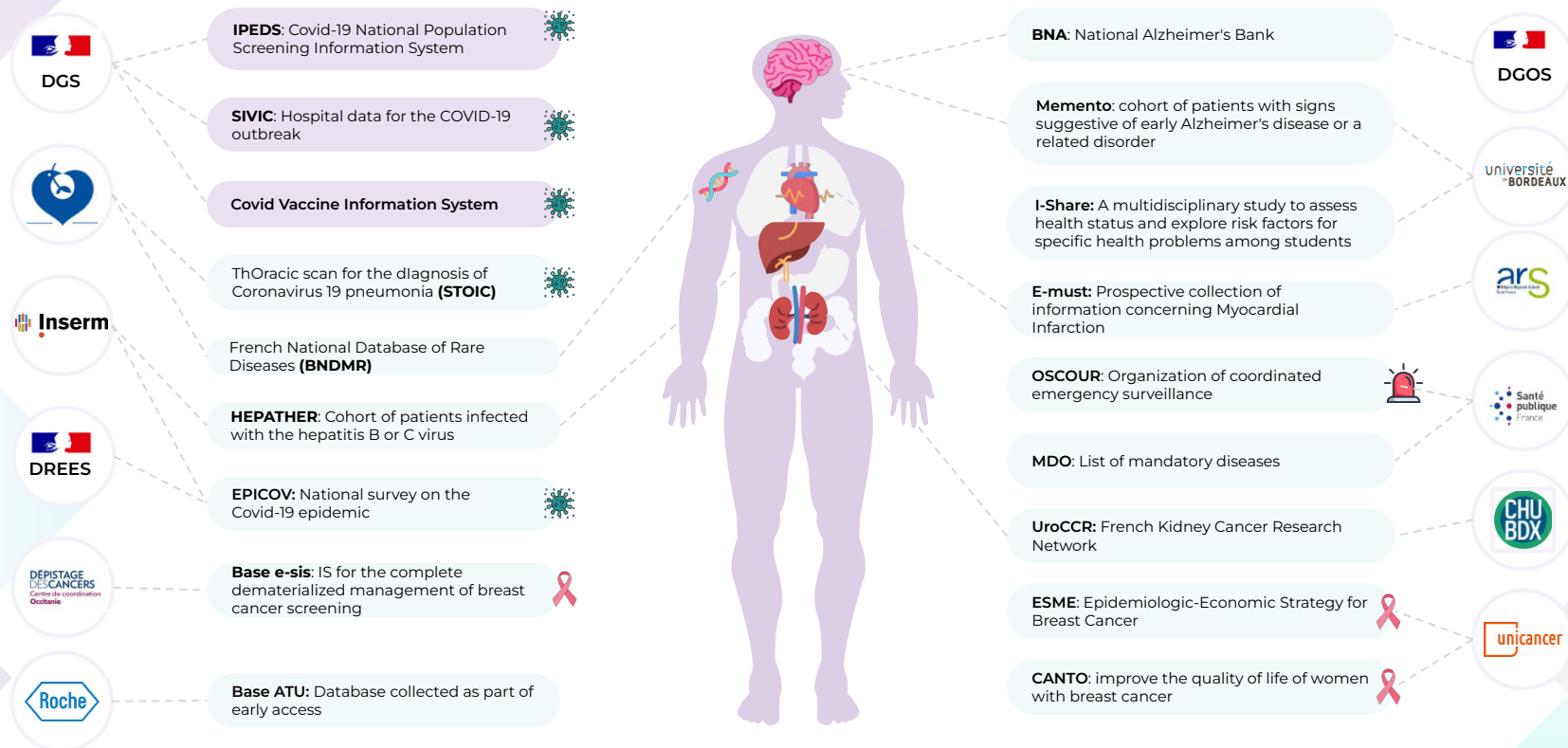


The Hydro project aims to develop an algorithm for predicting heart failure attacks by cross-referencing hospitalization data with data from connected pacemakers.

... tomorrow, the replication of the main SNDS base and the implementation of the catalog will allow to scale up.



# The scalable catalog will allow, starting with its first version, to address many medical issues



Basis for the Covid-19 epidemic

Main base



HEALTH DATA HUB

Catalog

HEALTH DATA HUB

HEALTH DATA HUB

2022 Roadmap

First list of potential bases for the HDH catalog

# #2

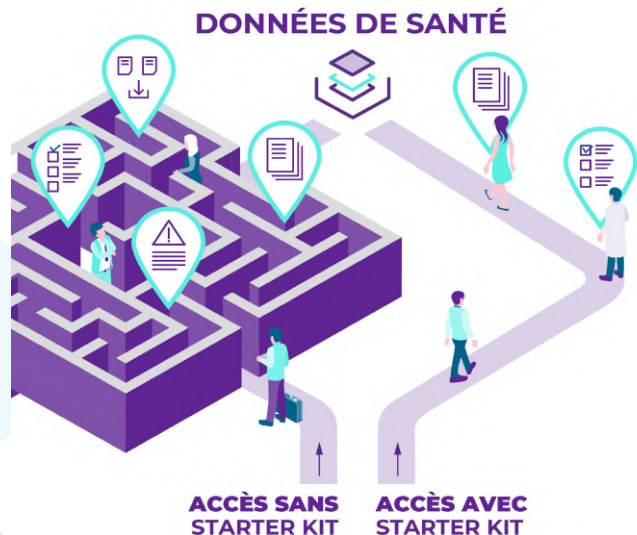
## Reducing delays in accessing health data and expanding impactful projects





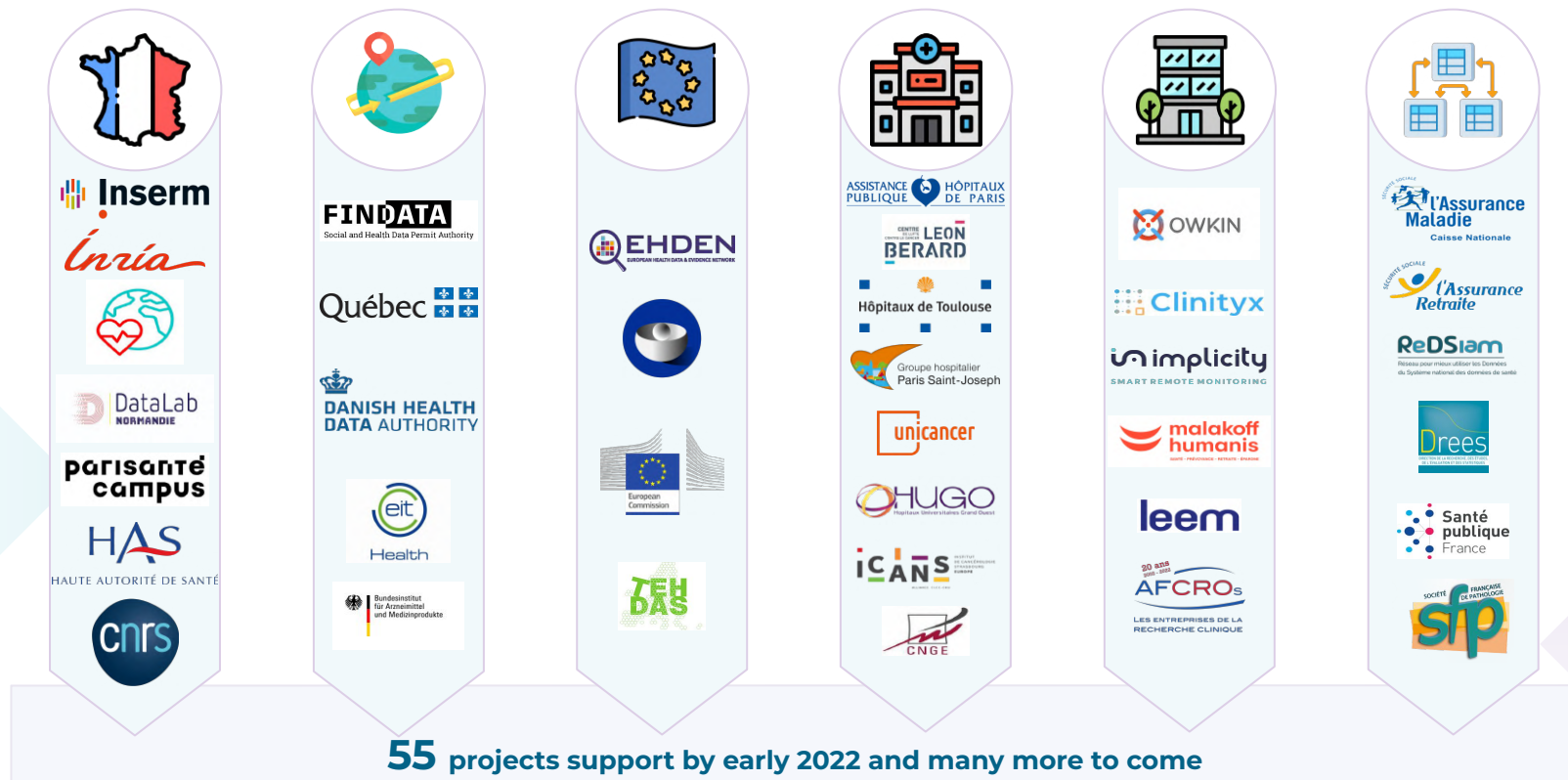
# In France, a project requiring the use of health data can get long and complex...

In order to **support the projects**, the Health Data Hub will continue, along with its partners, to create a service offer including :



- ◆ **pedagogical documentation for users**, a **diversified training offer** and **open-source tools** that are constantly being further developed
- ◆ **transparency tools** for the public
- ◆ **the implementation of an action plan with the Assurance Maladie** in order to **accelerate the delivery of SNDS data** and to ensure that the Health Data Hub's teams become more competent
- ◆ **the implementation of a concentrator** to industrialise data chaining operations
- ◆ **the harmonisation of data use contracts**, including aspects of economic valuation

# ... the challenge is all the more strategic as the number of projects keep on increasing



**Consolidating a technological platform in accordance with a principle of reversibility and the national strategy for a trusted cloud**



# Prior to the analysis, project leaders must be able to easily identify which data are available...

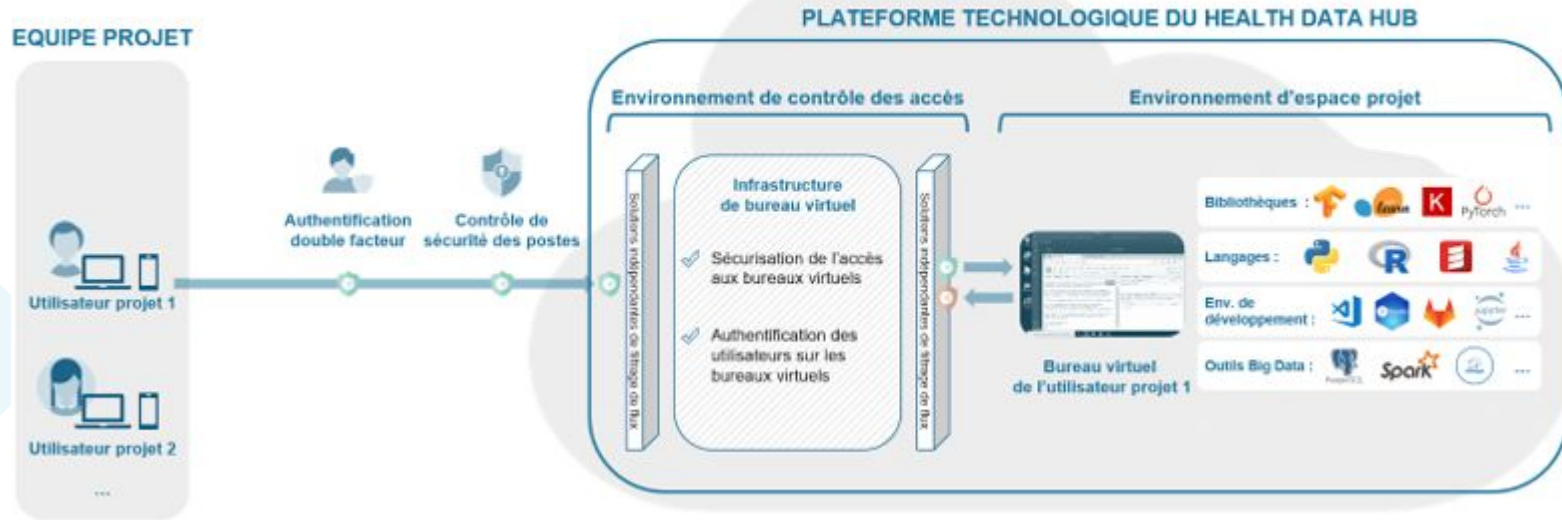
In 2022, the Health Data Hub will **deploy a metadata catalogue to make it easier for project managers** to explore the available data, its content and its quality.

The screenshot shows the Health Data Hub (H2H) interface. The header includes the H2H logo, 'HEALTH DATA HUB', and navigation links for 'Log in', 'Register', 'Explorer', and 'À propos'. The main content area is titled 'BASES / OSCOUR'. On the left, there is a database icon and a description of OSCOUR: 'La base de données OSCOUR contient l'ensemble des passages aux urgences en France métropolitaine et outre-mer. L'objectif principal de ce système est la détection précoce...'. Below this, a 'voir plus' link is present. A 'Tables' section shows a count of '1'. The main right panel has tabs for 'Tables', 'Activités', and 'À propos'. Under the 'Tables' tab, a 'General' section displays a table with the following data:

Titre	OSCOUR
URL	oscur
Acronyme	OSCOUR
Identifiant DOI	N/A
Référence catalogue HDH	N/A
Domaine médical	autre
Mots-clés	passages aux urgences, suivi épidémies,
Description	La base de données OSCOUR contient l'ensemble des passages aux urgences en France métropolitaine et outre-mer. L'objectif principal de ce système est la détection précoce d'événements sanitaires inhabituels. Il est également utilisé pour le suivi des épidémies de pathologies saisonnières.
Financements	public
Contact scientifique supplémentaire	N/A



..once the authorisations are granted and the data prepared, the project managers can analyse the data in the project space.



In 2022, the Health Data Hub will **keep on implementing its software offer** for project managers and developing functionalities for operators or citizens **who would like to exercise their rights**.

# Continuation of the reversibility action plan for the migration of the technology platform



Construction of the HDH platform according to a logic of reversibility thus facilitating its redeployment to another solution, in particular by its programming in **the Terraform language**



Continued **identification of sovereign solutions** meeting security requirements and verifying the trusted cloud label

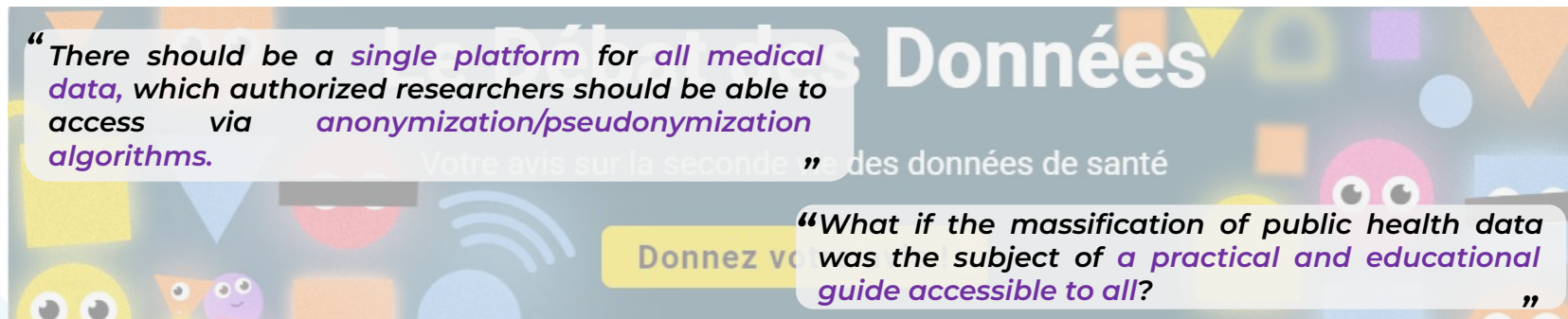


Action plan to **reduce adherence** to the current provider's services

# Listening to civil society and co-building a health data culture



# In 2022, the Health Data Hub expands its actions towards civil society by continuing to listen and dialogue,



Barometer



Consensus  
conference



## ... by the creation of content and its diffusion...

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

March 31, 2022

**"VivreCovid19" seminar: feedback and debate on health data sharing**

June 2022

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

December 2022



**5** of these events were awarded the "French Presidency of the Council of the European Union" label

**+120** events in which the Health Data Hub participated in 2021



... and by initiating a collective reflection based on the first concrete results

Continuation and  
expansion of  
partnerships



Results from the first  
partnerships



**VIVRE-COVID19.fr :**

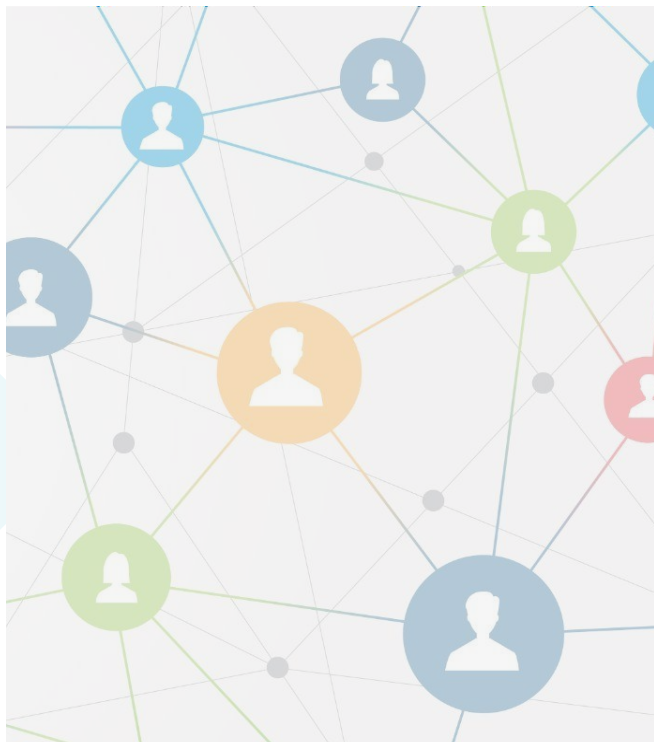
Participez à cette étude unique pour faire  
entendre notre voix !

Identification of  
the most  
appropriate  
governance

# Contribution to the development of a database funding strategy



# Contributing to a permanent funding of databases



The French Law on the Organization and Transformation of the Healthcare System created the Health Data Hub and **expanded the SNDS to include all health data associated with a Health Insurance reimbursement.**

Therefore, this data can be shared in accordance to national rules. Some of these rules are enshrined in law, such as access governance. Other rules remain to be specified, **within the framework of the SNDS Strategic Committee created in July 2021, of which the HDH is a member.**

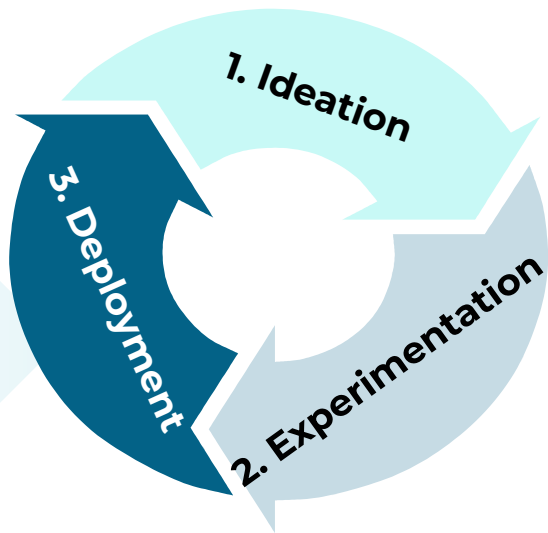
One of the core issues that must be addressed is the national policy for financing health databases. **In order to share data as widely as possible, it is necessary to take into account the efforts made by the actors who created the data and to provide a fair return for those efforts.**



# Contribution to the prefiguration of the European Health Data Space



# The pilot of the European Health Data Space (EHDS) will be launched in 2022



**FINDATA**  
Social and Health Data Permit Authority



- 1) **Exploring and identifying concrete actions** within the framework of the Joint Action "**Towards a European Health Data Space**"
- 2) **Launch of a first test with a Health Data Hub counterpart, FinData, and exploring international standards such as OMOP**
- 3) **Scaling up with the European Health Data Space (EHDS): call for applications financed up to 5 million euros for which the HDH is applying as leader of a consortium including 16 European partners**

## Further internal structuring

By the end of 2022, nearly 100 people will be working within the Health Data Hub to improve access to health data.



# Key figures for the Health Data Hub in 2022



**90**

Platform users

**100**

Staff members

**130**

Partnerships

**5000**

Contributions to  
public debates



# Health Data Hub - Members of the public interest grouping

## The French State



## Healthcare insurance funds



## Complementary health insurance organizations



# Health Data Hub - Members of the public interest grouping

## Research and education



## Healthcare facilities



## Healthcare professionals



# Health Data Hub - Members of the public interest grouping

## Users



## Agencies



## Industries





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