



The poster features a vertical image of a domed building on the left. At the top left, there are logos for the French Government (GOUVERNEMENT) and the 2030 France strategy. At the top right is the IHU HealthAge logo (GEROSCIENCE & PREVENTION). The main title is 'IHU HealthAge 1st SAB September 5-7, 2024'. Below this, it lists the 'IHU HealthAge Open Science Hub' led by Nicola Coley and Sandrine Andrieu at CERPOP (INSERM, Université Toulouse III), CHU Toulouse. At the bottom, logos for CHU TOULOUSE, Inserm, and UNIVERSITE TOULOUSE III PAUL SABATIER are displayed.

Open Science Hub: Goals



Overall goal: *to foster and facilitate an open science environment within the IHU, paving the way for it to become a flagship open science institute, and helping to enhance the visibility, future funding opportunities and economic impact of the IHU and its research and foster new collaborations*

Specifically:

- *To provide **policy, training, guidance and tools***
- *To enable IHU researchers to adopt, align and implement open science policies, and make their research, and the output it generates, available to the wider research community in an efficient, transparent and timely manner, whilst respecting regulatory constraints and researcher IP*

ANR Feedback : "The strong emphasis on open science is a significant strength of this proposal"

IHU HealthAge Open Science Hub: Priorities



- Open access publications
- Structuring, opening and sharing IHU HealthAge research data
 - Data sharing policies and procedures
 - Data FAIRification
 - **HealthAge Open Science Platform**



Open Science Hub: Progress so far (1)



Development of procedures/documentation

- Open access publication/HAL guidelines
- INSPIRE-T data sharing procedures
 - Data governance & data access fees (ongoing)
 - Data access request form
 - Data use agreement & publication policy
- IHU HealthAge data management plan

Other activities

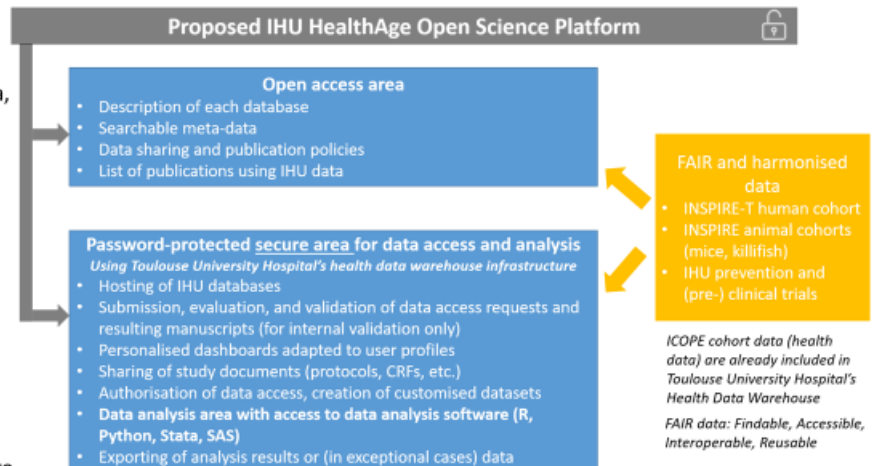
- INSPIRE-T data access committee & verification of publication policy
- Recruitment of project team (ongoing)
- Grant applications
- IHU HealthAge open science workshop (June '24)



Open Science Hub: Progress so far (2)

Open Science Platform justification & current proposal

- Currently no centralised data platform within the IHU HealthAge (for internal or external use)
 - Databases (INSPIRE clinical data, INSPIRE omics data, INSPIRE imaging data, INSPIRE animal data, ...) are stored in various different locations
 - No harmonisation across different datasets
 - Data access requests are handled manually, and (following approval by the data access committee), the database is transferred to individual researchers for analysis using an external secure file sharing system



Open Science Hub: Progress so far (3)

Open Science Platform development: planned launch date Q1 2025

- Definition of needs: consultations with HealthAge teams
- Identification of regulatory requirements
 - Consultations with CHU Toulouse's DPO & data regulatory specialists
 - Ethical & legal advice from GenoToul Societal platform
- Identification of technical & IT solutions
 - Regular meetings with
 - CHU Toulouse's health data warehouse (EDS) team & their IT subcontractor to design the HealthAge open science platform using the EDS infrastructure
 - CHU Toulouse's head of IT security
 - Exploration of alternative solutions in case of delays (Gates Foundation, alternative EDS providers)
 - External solutions for complex datasets & linkage with SNDS (Health Data Hub)
- Additional funding : application for European Regional Development Funds via Occitanie region) pre-approved (expenses eligible as of 01/09/2024)

Open Science Hub: challenges

- Open science platform
 - Timeline dependent on CHU/EDS – there may still be unforeseen delays
 - Regulatory/data protection/IT security hurdles (although actual IT development is not foreseen to be a problem)
 - Hard to precisely specify our needs, notably in terms of data storage/hosting capacity
- So far unable to recruit a project manager with relevant training/experience
- Additional funding (to ANR grant) required for full-time project manager and data manager
 - Delays to application for European development funds (outside of our control...)