

# Use of biobanks for health

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# Global harmonization landscape

## **Increasing need of the scientific community to:**

- Obtain numbers and statistical power required to investigate gene-environment interactions, etc;
- Better understand similarities and differences across biobanks, jurisdictions or countries (including policies/laws); and
- Extend the scientific impact of individual biobanks (optimize return on the resources invested).

## **Challenges**

- Achievement of collaborative research across international, heterogeneous biobanks requires not only access to high quality data and samples, but also to rigorous methodological approaches and specialised resources and tools.

# Global Landscape

Infrastructures

Tools

Research

**Biobanks**  
(data and bio-samples repository)

**Methods, software and expertise supporting harmonization and synthesis of information in different research areas**

**New scientific knowledge**



LifeLines



HUNT Biosciences



HALCyon  
Healthy Ageing across the Life Course



# Development Strategy

In addition to the funding of infrastructures collecting and storing data and samples, two additional efforts are essential. We need to support collaborations across EU and worldwide, by:

- Fostering an integrated approach for regulations, governance and funding; and
- Providing strategic and financial support for innovative international research using harmonized data.