



Emerging Domains in EOSC-France

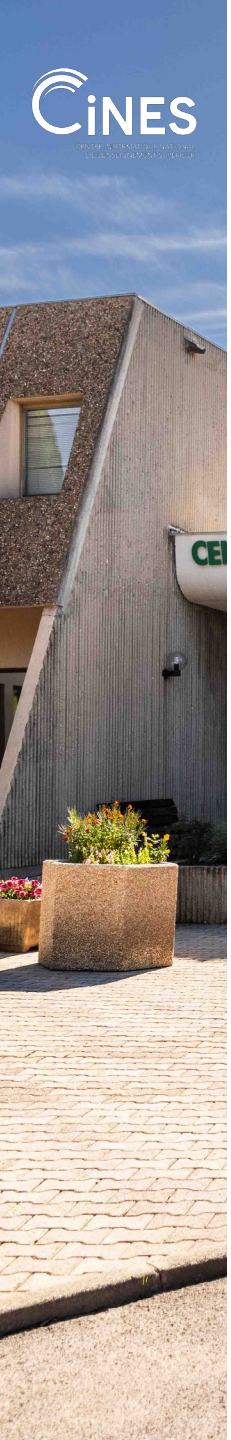
5th French National Tripartite Event
Paris, 11-12 September 2025

e-Infrastructures for Health Data

Dr Pascal Dugénie

CENTRE INFORMATIQUE NATIONAL DE L'ENSEIGNEMENT SUPÉRIEUR

Deputy Director
Responsible for the mission AI for Health



CINES in a nutshell

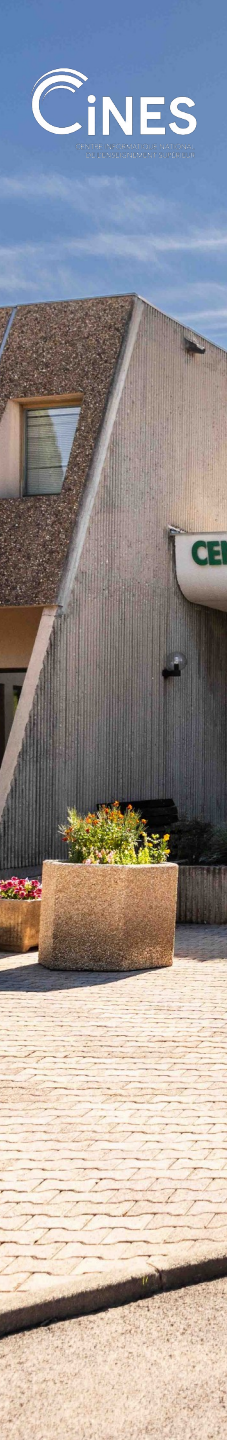


MINISTÈRE
DE L'ENSEIGNEMENT
SUPÉRIEUR
ET DE LA RECHERCHE

Board of directors

- **Pr. Michel ROBERT**
- Dr. Pascal DUGENIE
- Karima LAMRI

60 people



CINES in a nutshell



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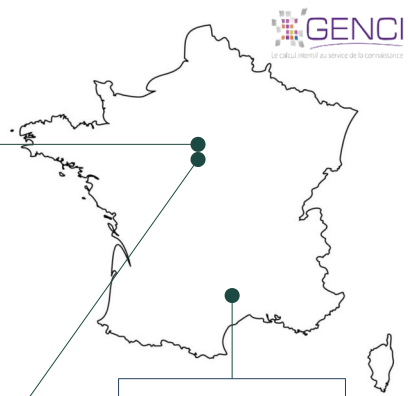
One of the 3 HPC national centers

cnrs

IDRIS

cea

TGCC



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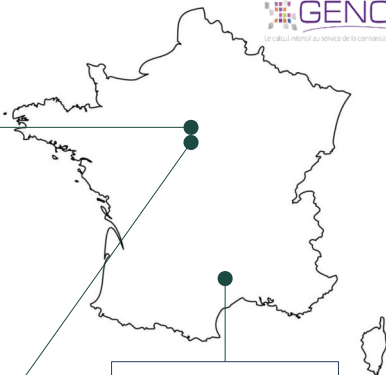
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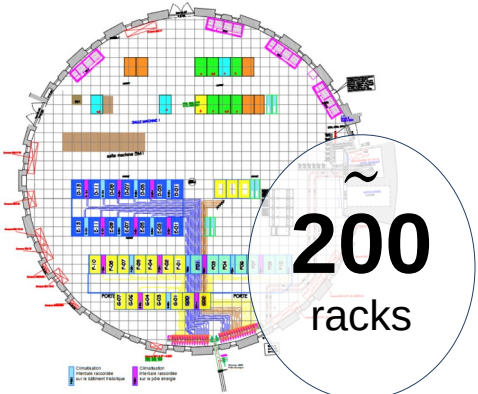
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CiNES

GENCI
Généraliste des Équipements Nationaux de Calcul Intensif



Hosting



CAPACITIES

Long-term storage

vitam
PROGRAMME
archivage numérique

HPC & AI

~
70
Poctets

~
90
Pflops

Ad astra per aspera

ADASTRA

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CiNES


Généraliste national au service de la connaissance

TOPICS

Hhealth 

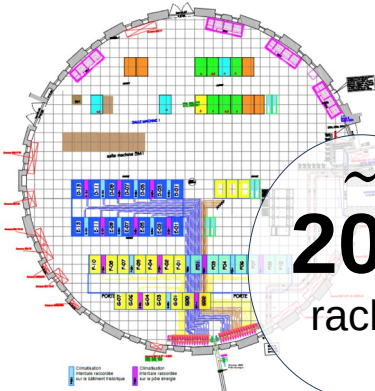
Earth science 

• **Data repositories**

• **HPC & AI**



Hosting



~200
racks

CAPACITIES

Long-term storage


PROGRAMME
vitam
archivage numérique

HPC & AI

~70
Poctets

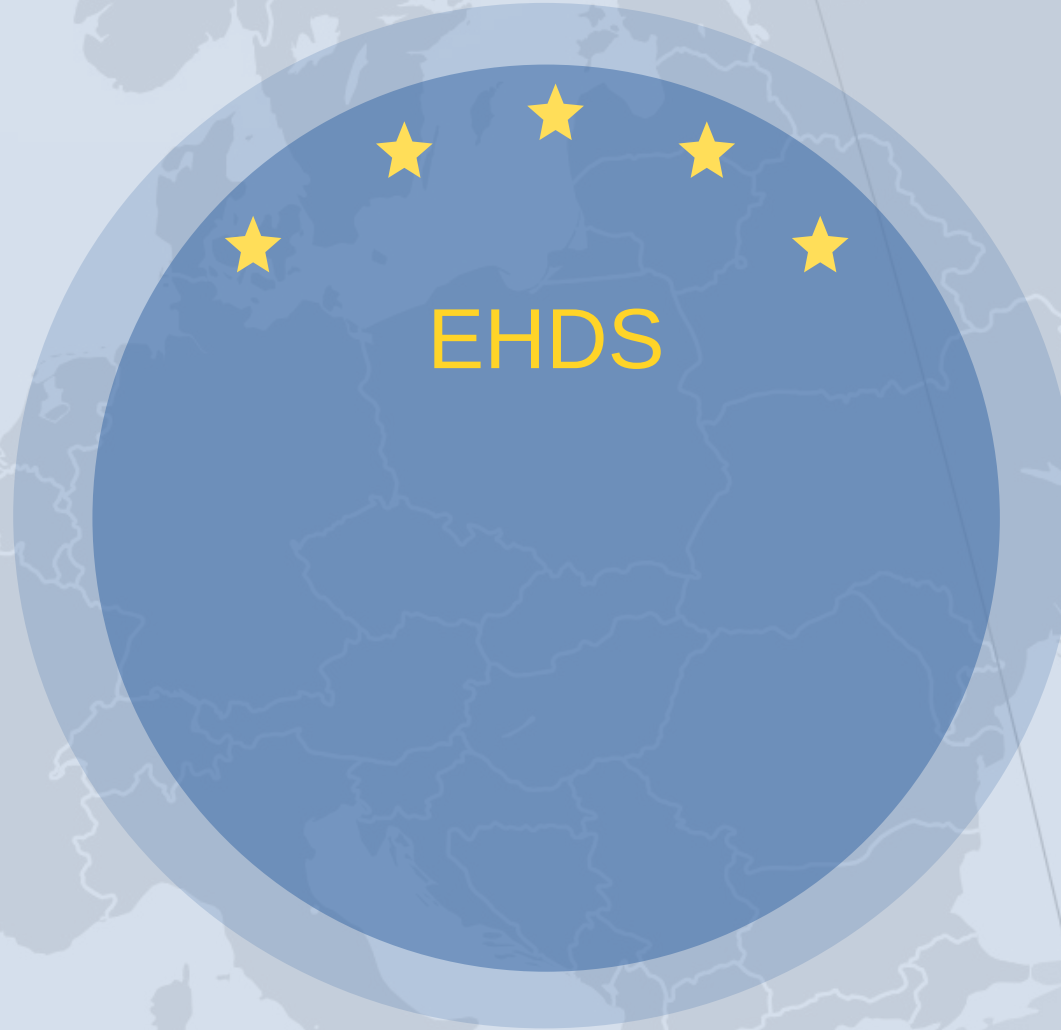
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Ad astra per aspera

ADASTRA

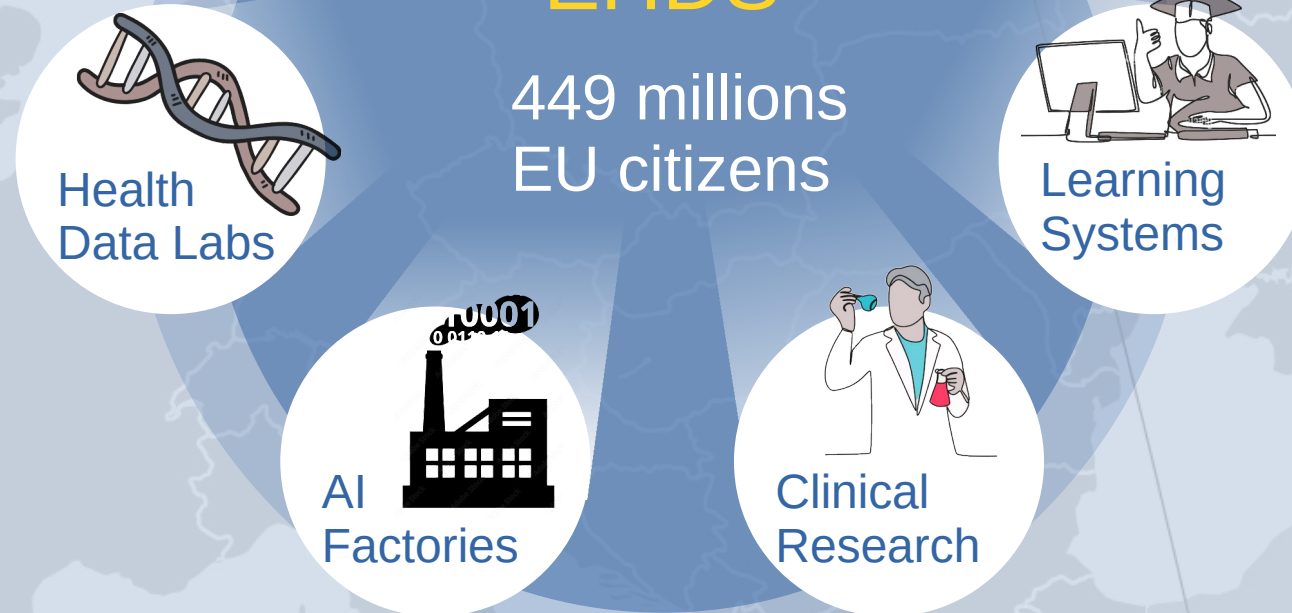
HEALTH DATA EOSC & EHDS

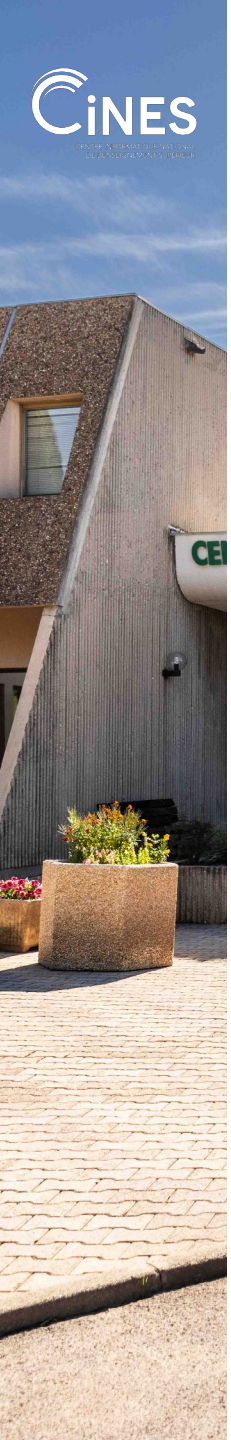
- E-Infrastructure are distributed nodes
- Services must be
 - suitable for health research
 - ensure a high level of security



HEALTH DATA EOSC & EHDS

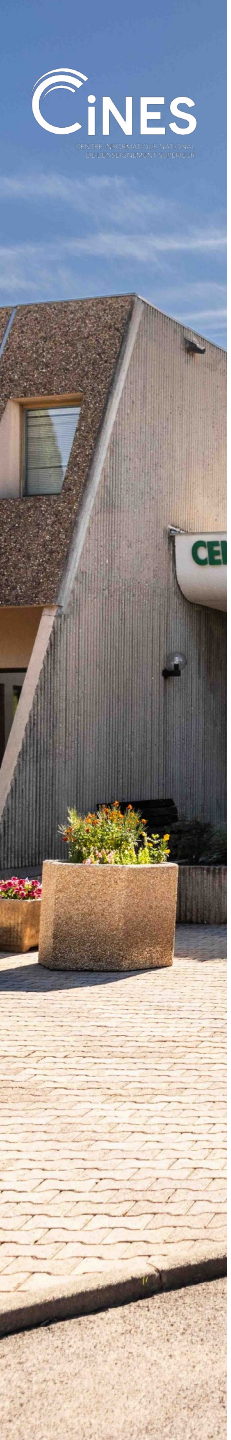
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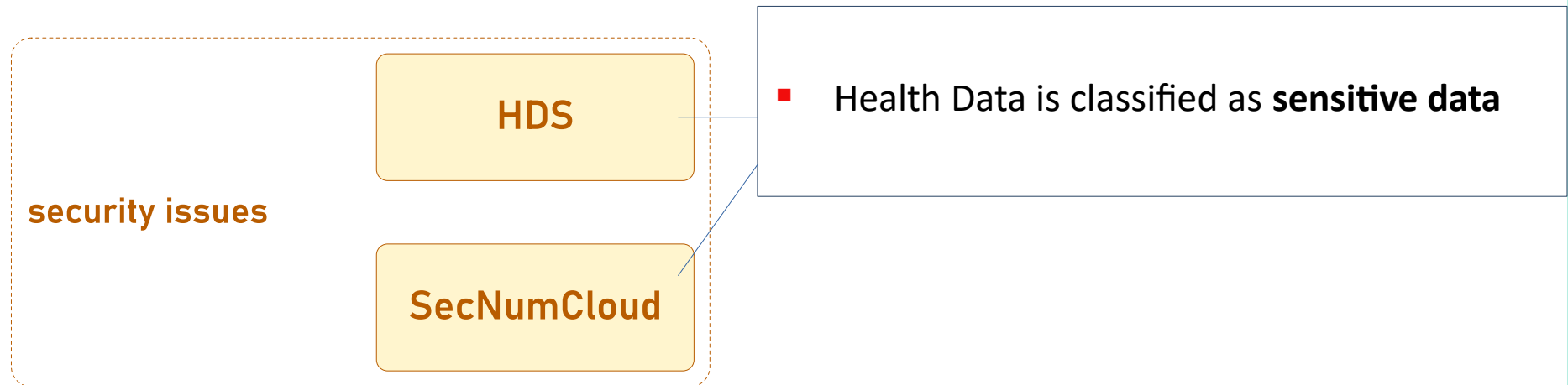


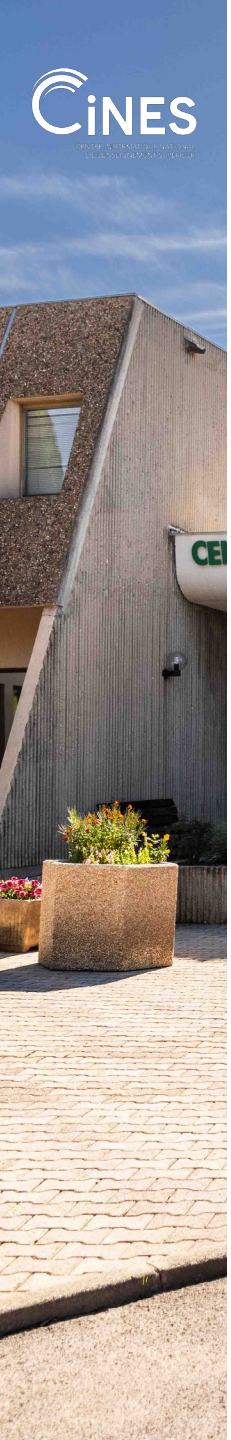
ABOUT HEALTH DATA

- Health Data is classified as **sensitive data**

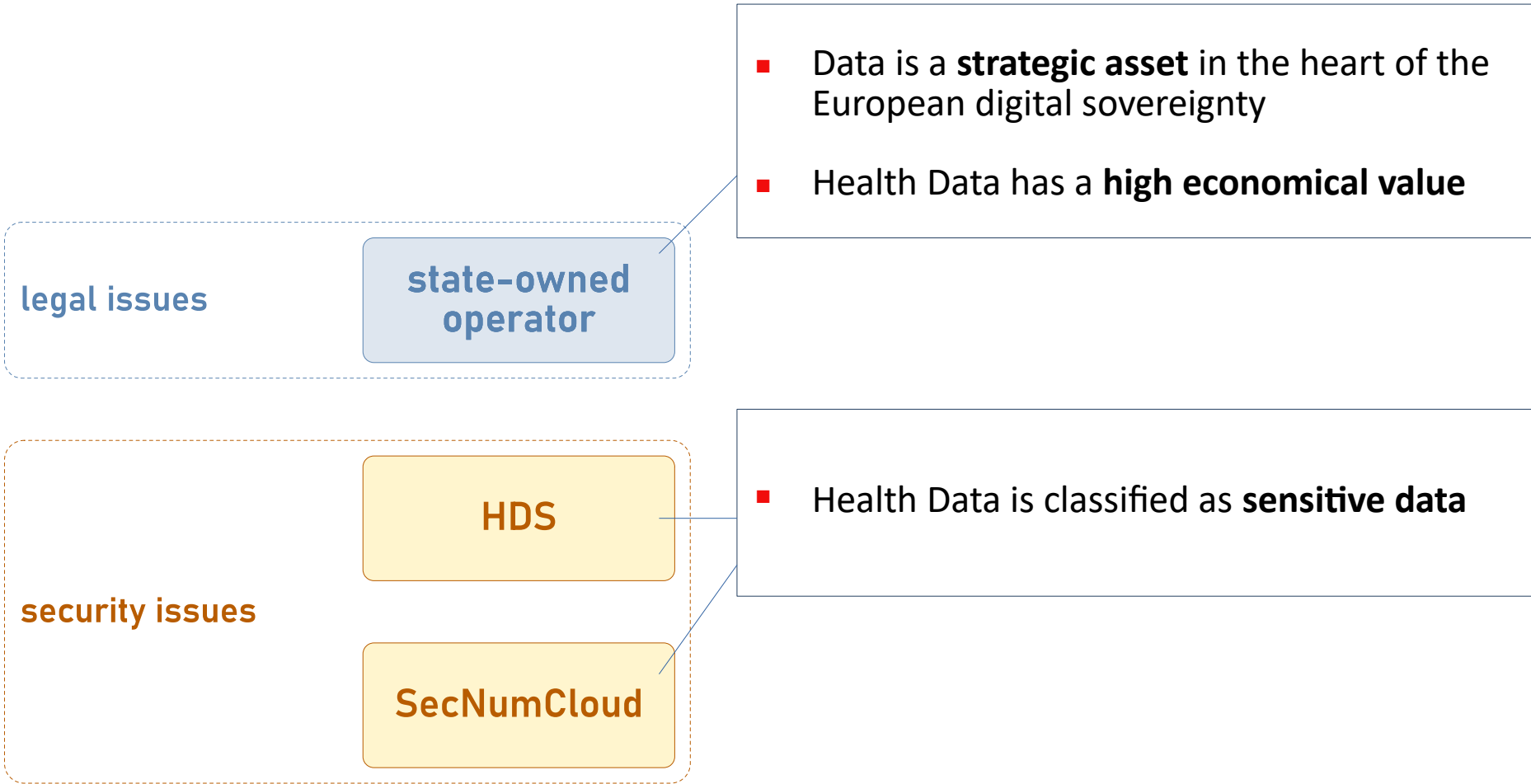


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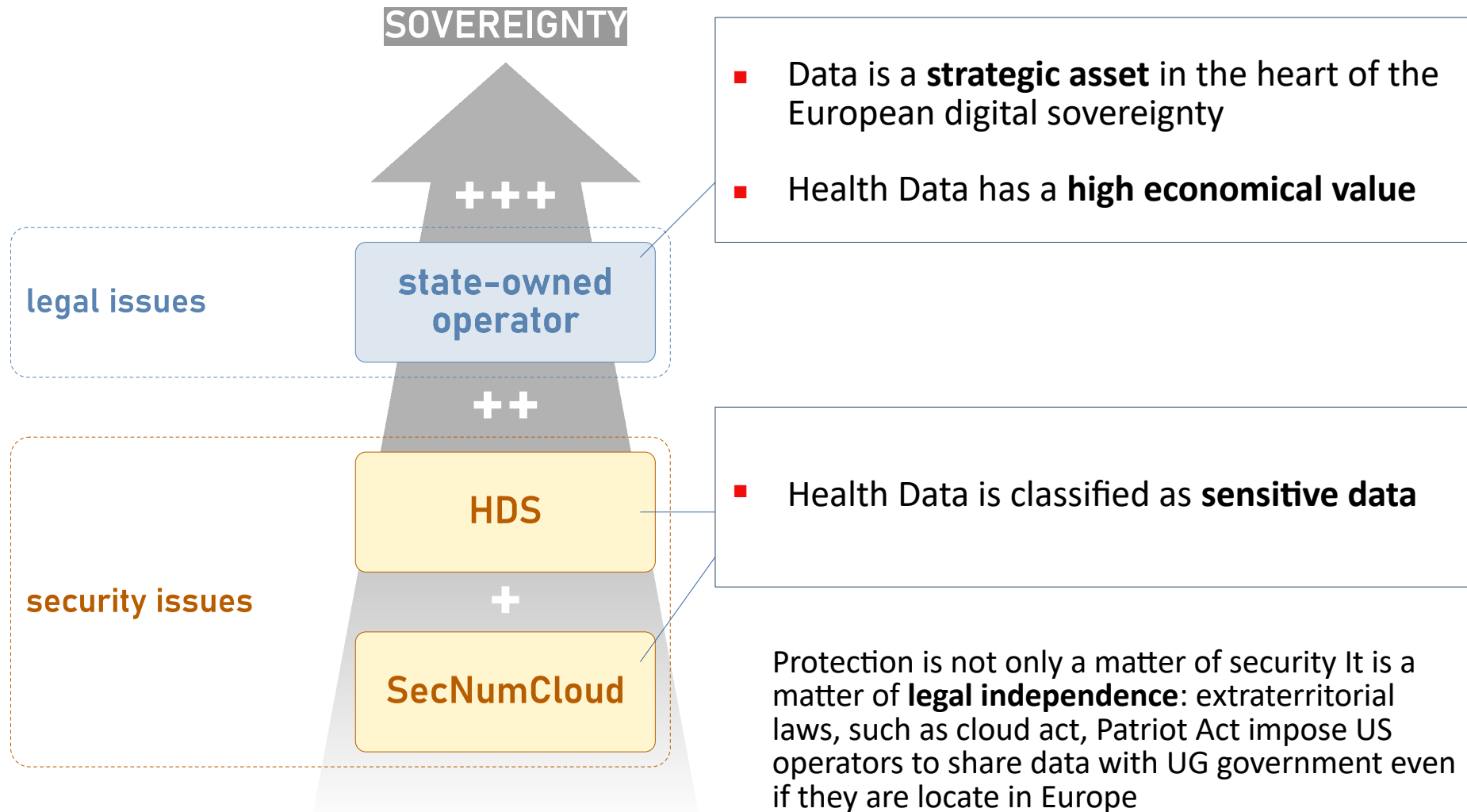


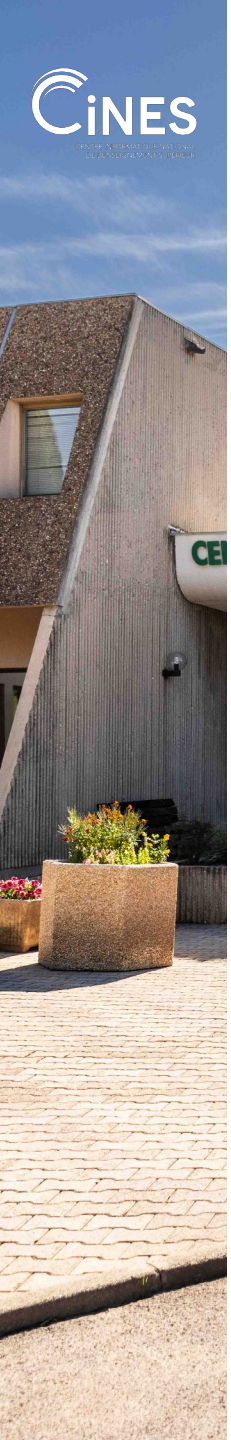


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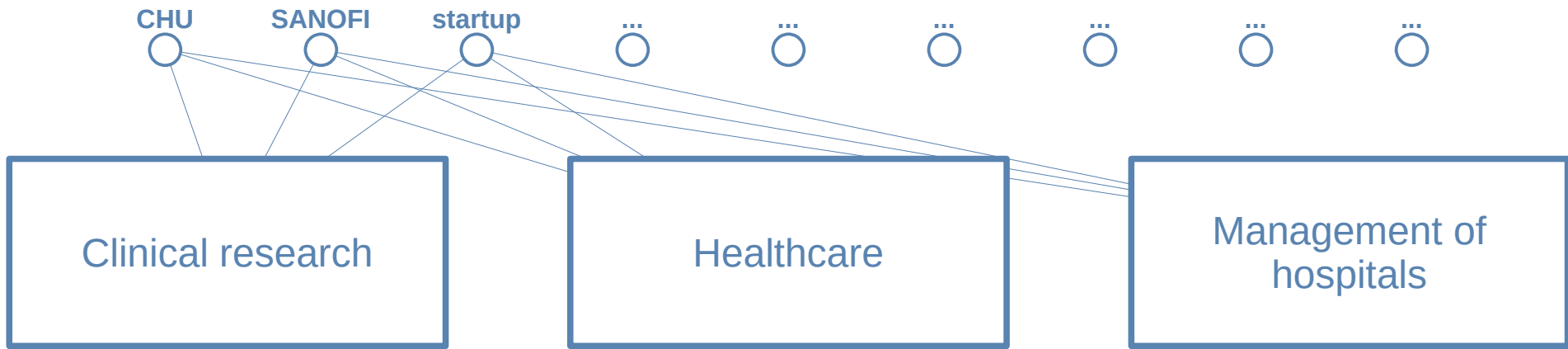


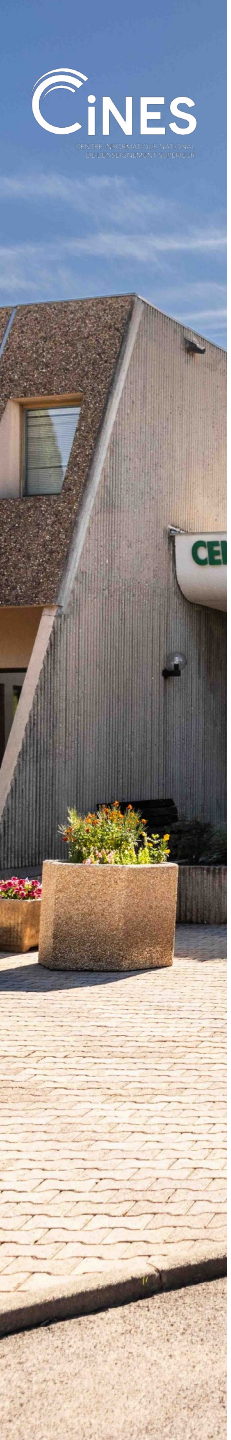
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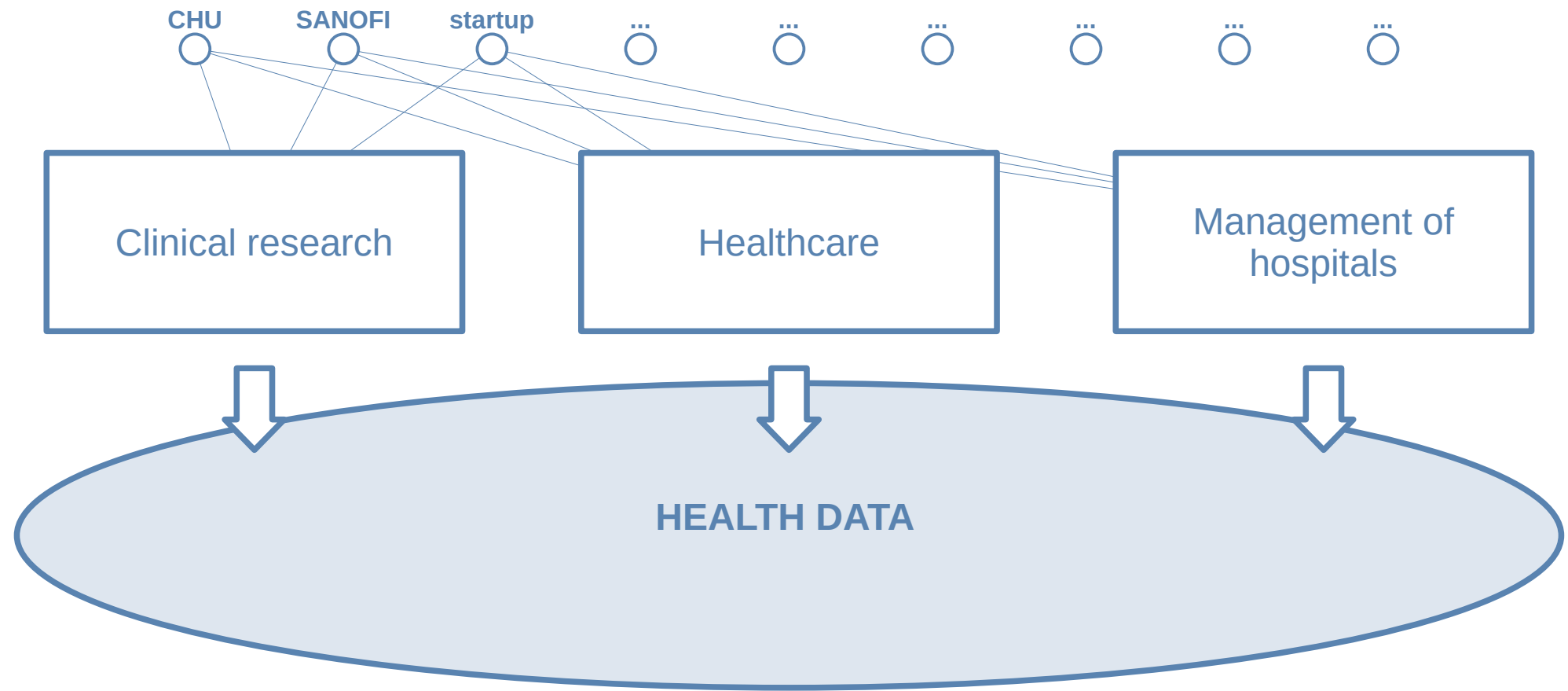


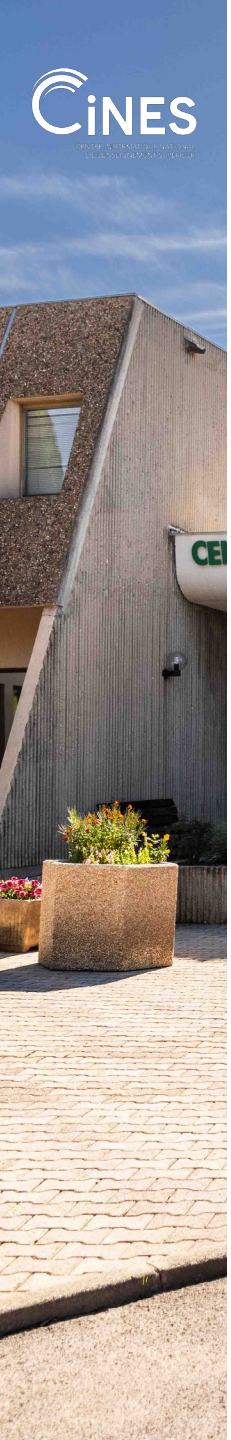
HEALTH DATA USE CASES



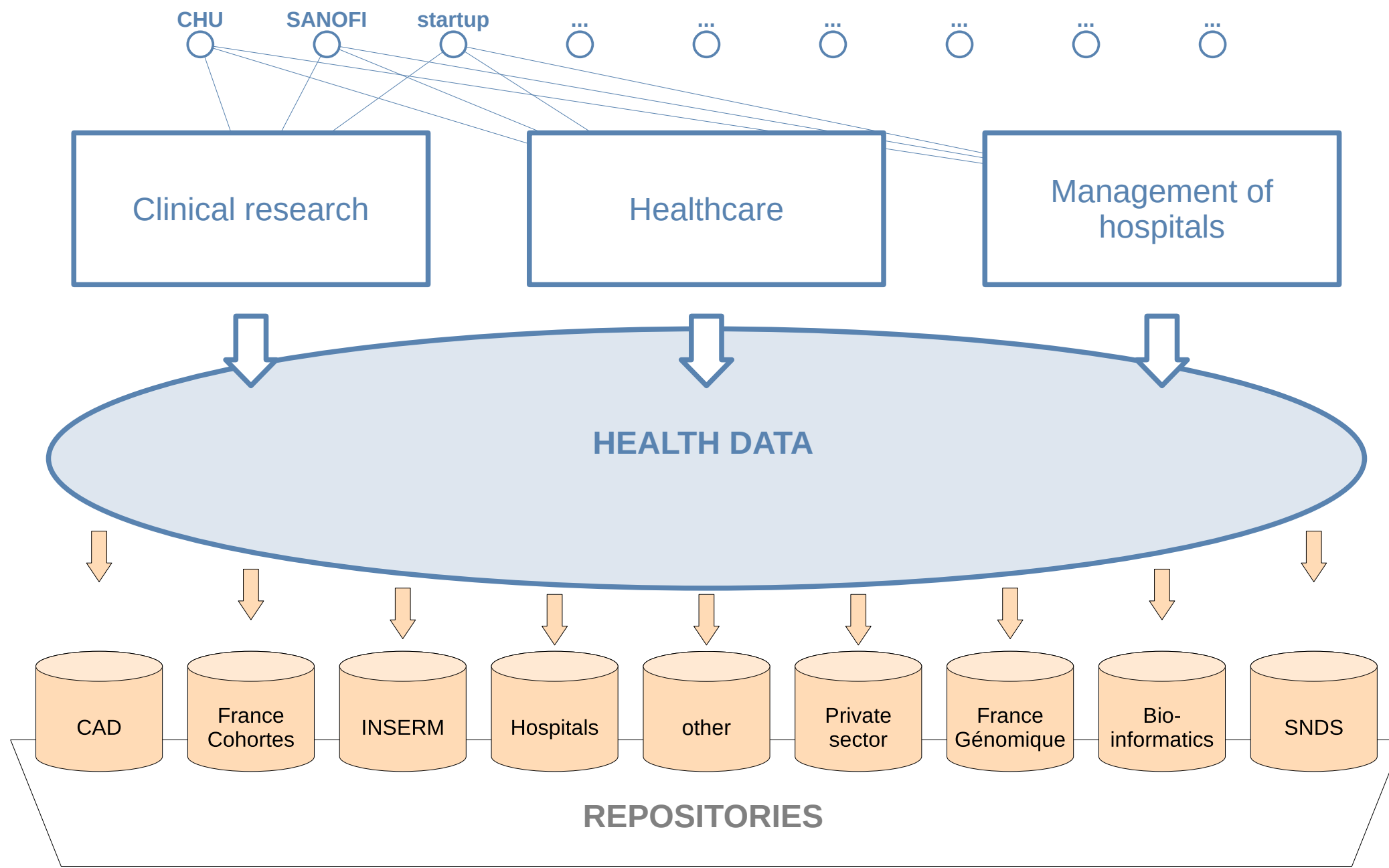


HEALTH DATA USE CASES



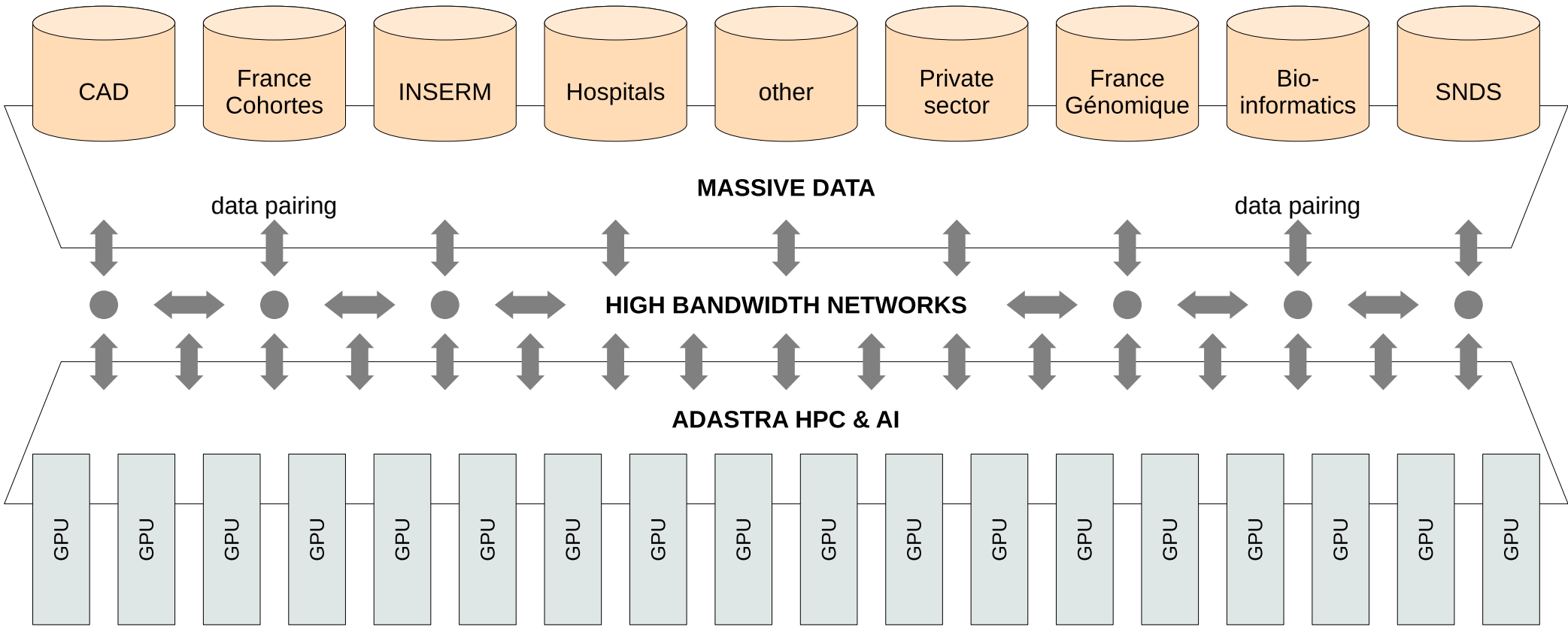


HEALTH DATA USE CASES

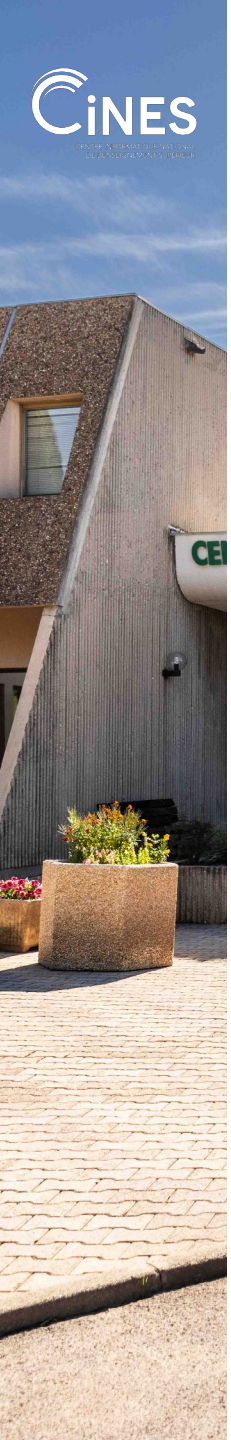


CINES ARCHITECTURE

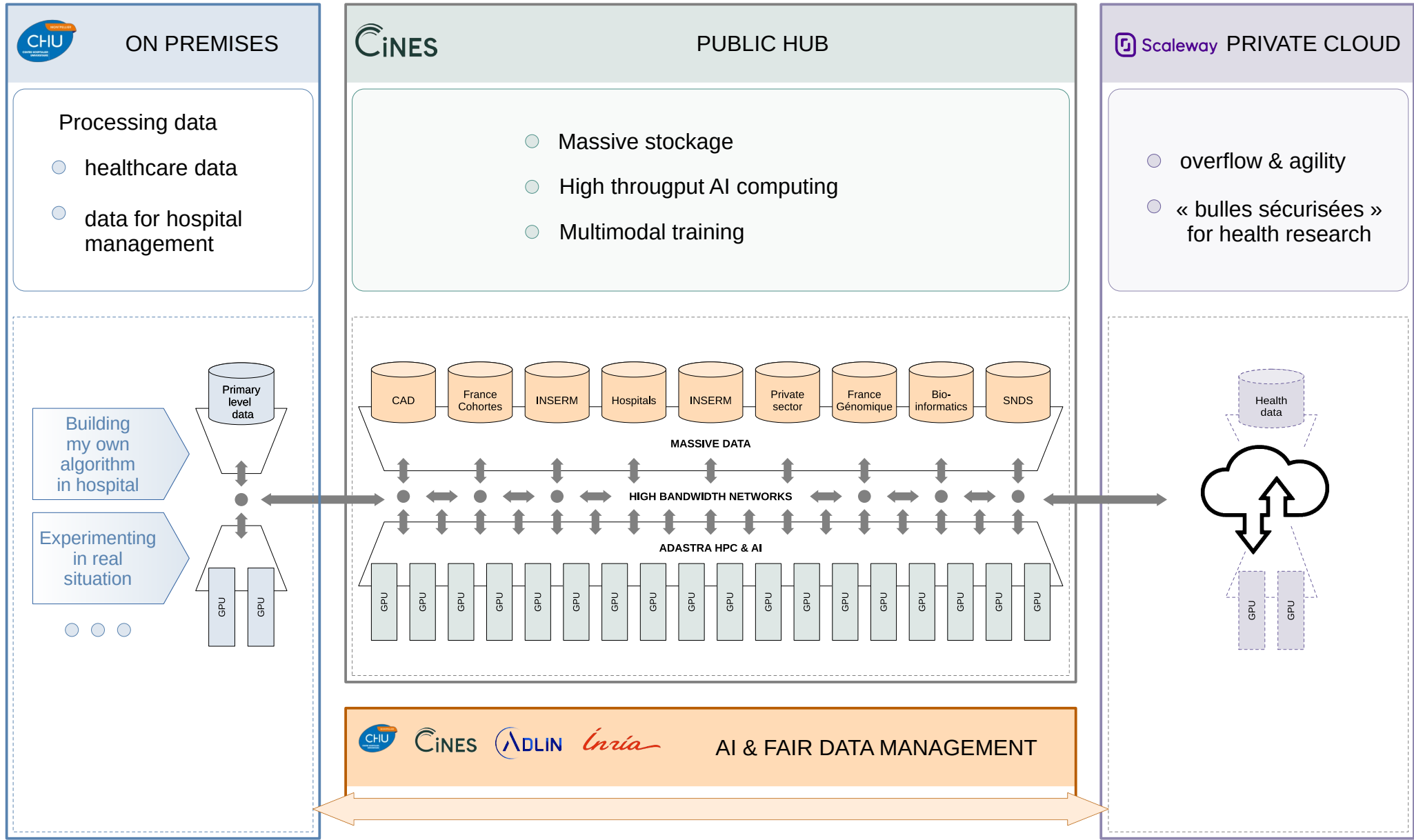
PUBLIC HUB



AI & FAIR DATA MANAGEMENT



HYBRID ARCHITECTURE



Thank you for your attention

E-INFRASTRUCTURES FOR HEALTH DATA

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