



Innovation in (Digital) Health

A perspective from the Health Cluster Portugal

INFARMED Annual Conference 2024

Lisboa

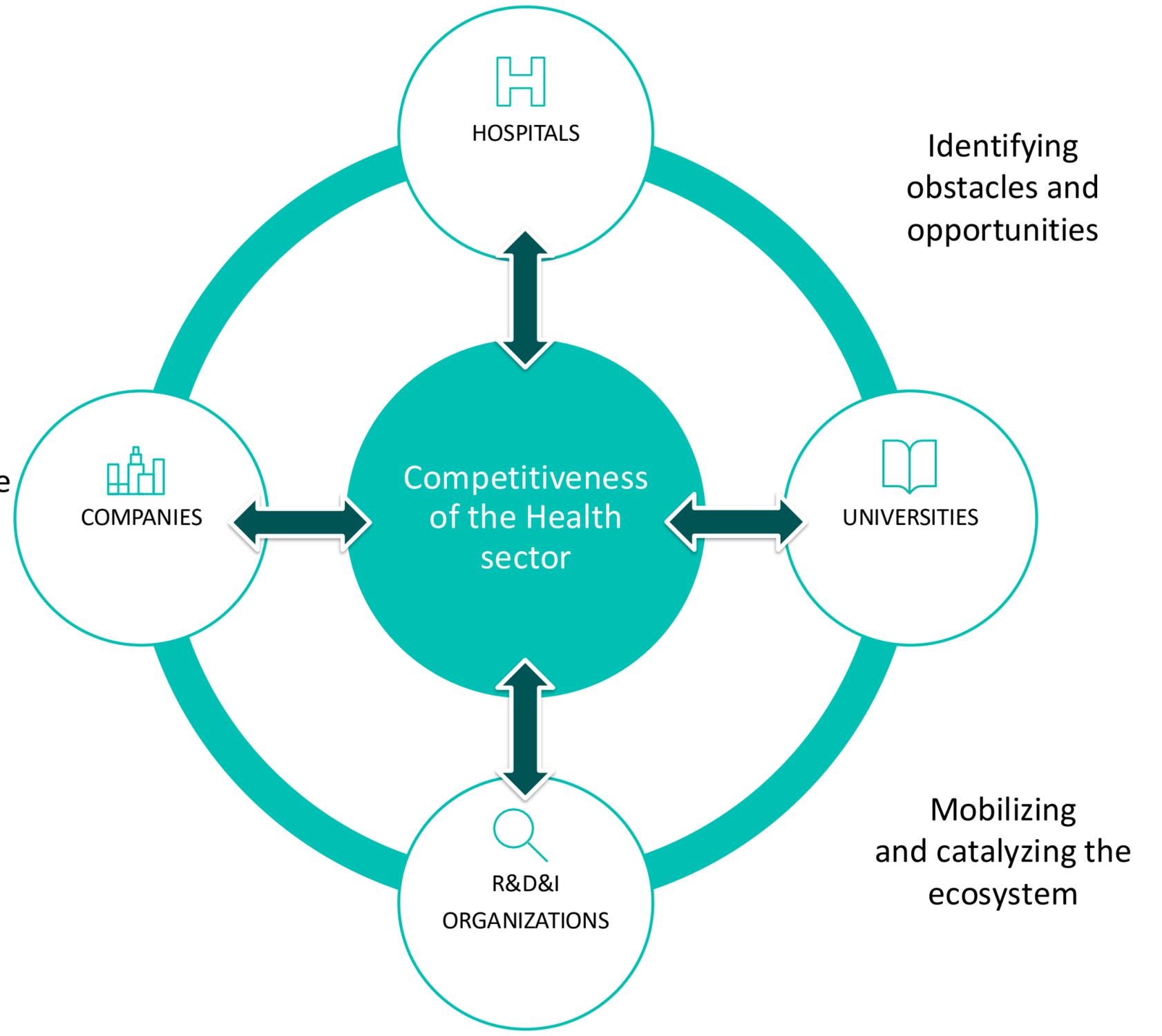
20 November 2024

Patrícia Patrício
Innovation Director

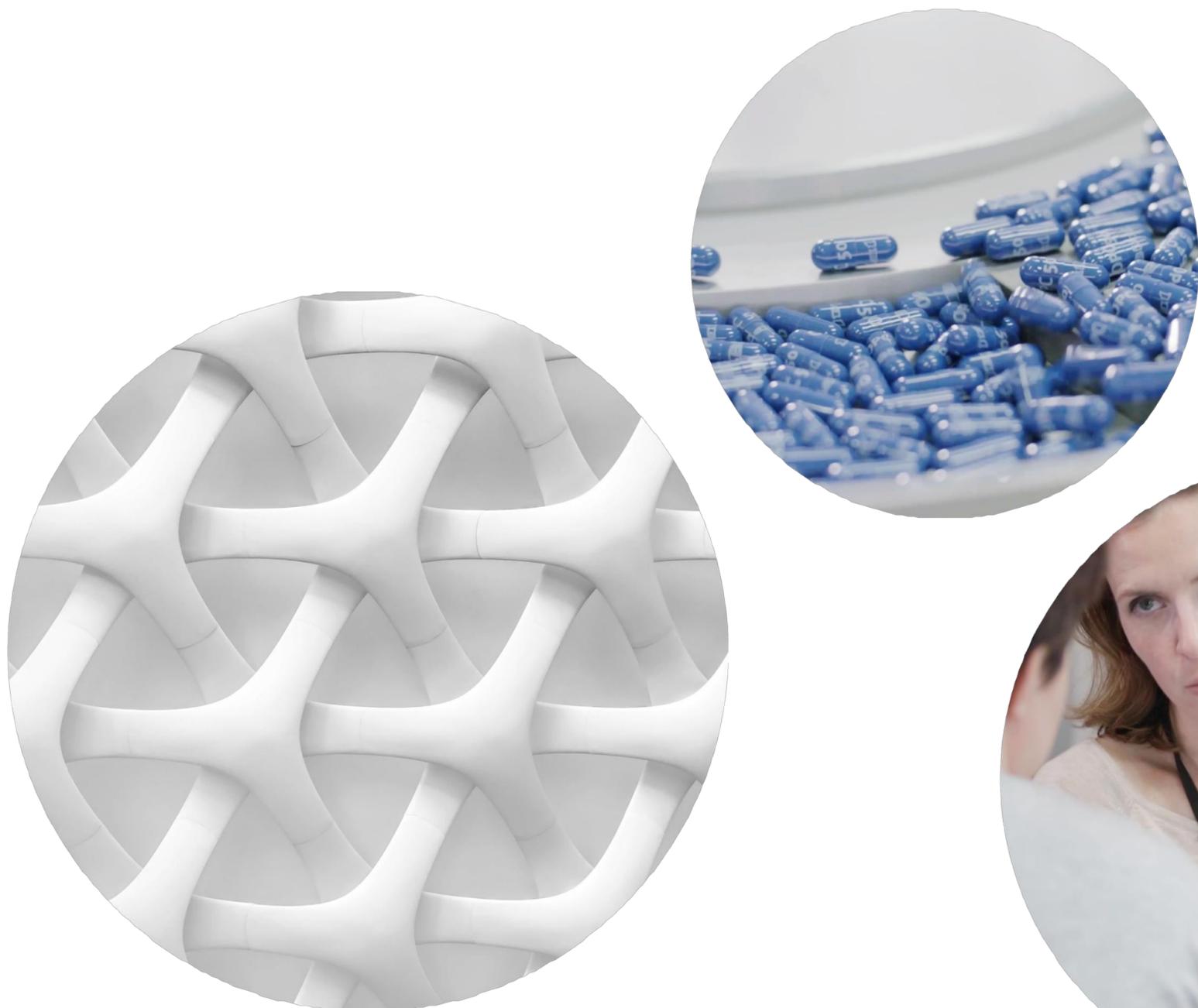
Health Cluster Portugal Mission



Leverage their knowledge and expertise



Health Cluster Portugal Strategic Agendas



Innovation

- Foster collaboration and R&D translation



Internationalization

- Promote the national ecosystem
- Align with European initiatives



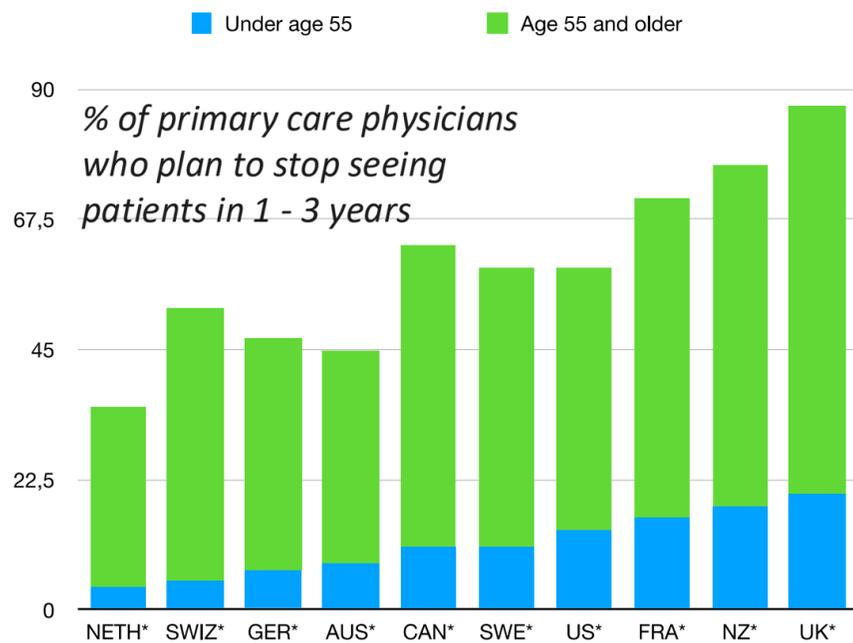
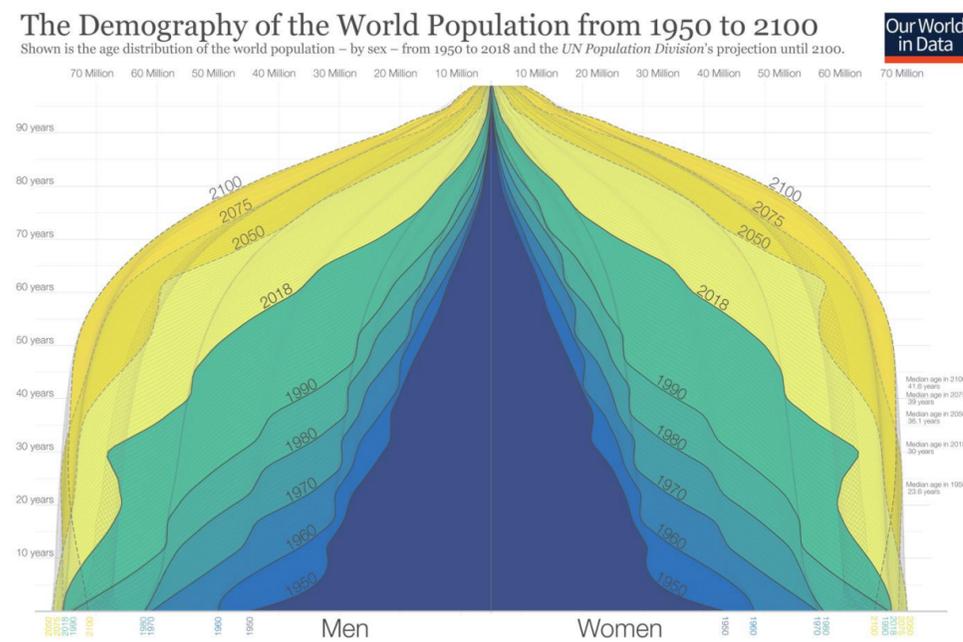
Digitalization & Data

- Accelerate the expansion of the digital ecosystem
- Foster data share and use

	2018	2019	2020	2021	2022	2023
 Workers (x 1000) % national employment > 54% with university degree	369,1 7,8%	385,1 8,1%	399,4 8,5%	411,9 8,6%	423,6 8,6%	
 Companies (x 1000) % total national	99,8 7,8%	102,8 7,8%	105,4 8,1%	111,3 8,3%	117,6 8,2%	
 Turnover (x 10 ⁹)	31,6	33,3	34,1	37,8	40,5	
 Gross Value Added (x 10 ⁹) (€) % Portugal GVA % Portugal GDP	10,7 6,0% 5,2%	11,5 6,2% 5,4%	11,8 6,7% 5,9%	13,2 6,7% 6,1%	14,0 7,1% 5,8%	
 Exports (x 10 ⁹) (€) % Portugal exports % export-import ratio	1,33 2,3% 36,5%	1,57 2,6% 40,4%	1,75 3,3% 42,1%	1,83 2,9% 37,2%	2,46 3,1% 43,8%	3,34 4,29 52,2

source: 1 a 4 FEP-UPorto | 5 AICEP/INE

Health systems are under pressure

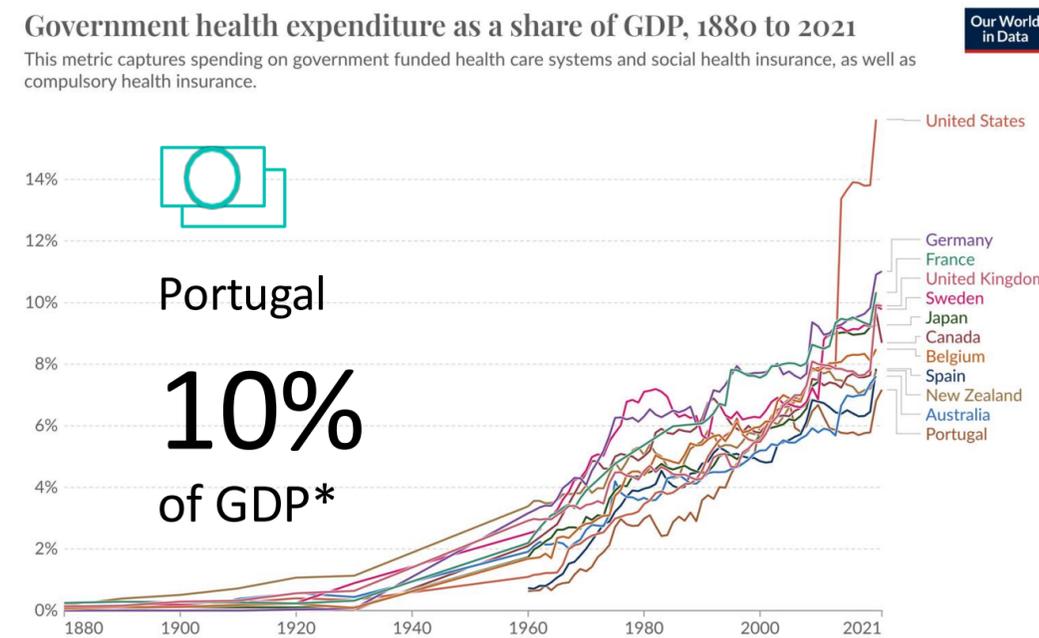
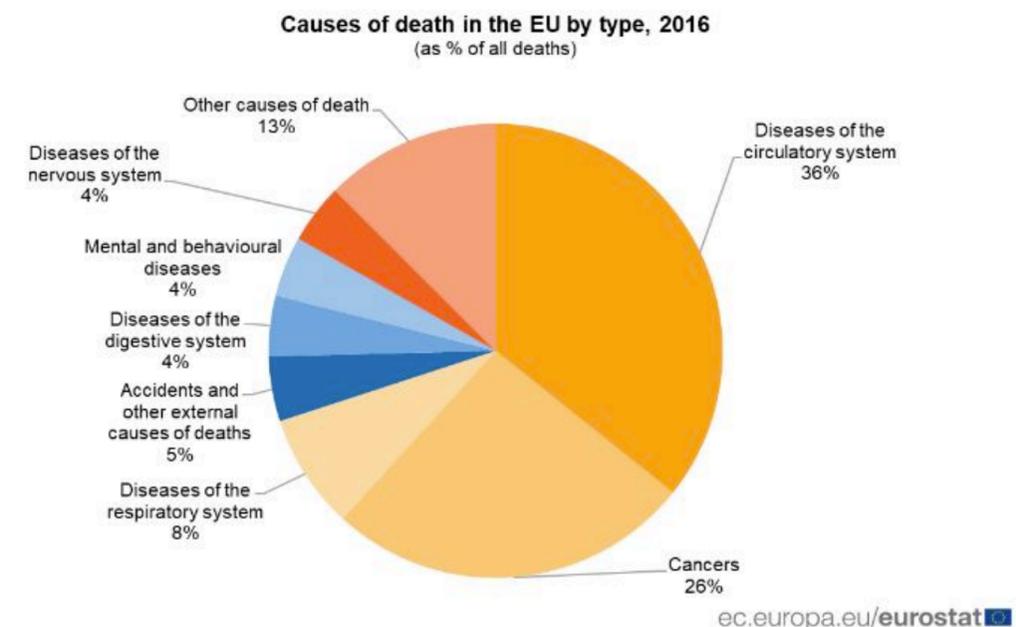


Ageing population

Increased prevalence of chronic conditions

Shortage of healthcare professionals

Increasing healthcare costs



Data source: Our World In Data based on Lindert (1994), OECD (1993), OECD Stat. OurWorldInData.org/financing-healthcare | CC BY
 Note: Health spending includes final consumption of health care goods and services (i.e. current health expenditure). This excludes spending on capital investments.

Digital innovation for the future of Healthcare

Health promotion

Disease prevention and management

Disease/public health predictions

Streamlining of operations

Humanization of care

Adoption

Trust

Privacy

Security



Digital Innovation Hub

DigiHealthPT

R&D and technology



Healthcare providers



Universities / Research Centers



Incubators / Accelerators



VCs



7

members

30+

associate partners

13+

digital skills for Health



Skills & training



Innovation ecosystem & networking



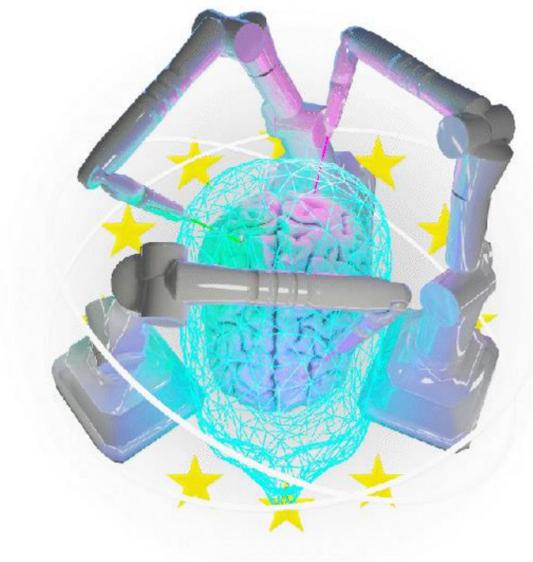
Test before invest



Support to find investment

Testing and Experimentation Facilities

TEF-Health Testing and Experimentation Facility for Health AI and Robotics



9 nodes/countries
50 partners

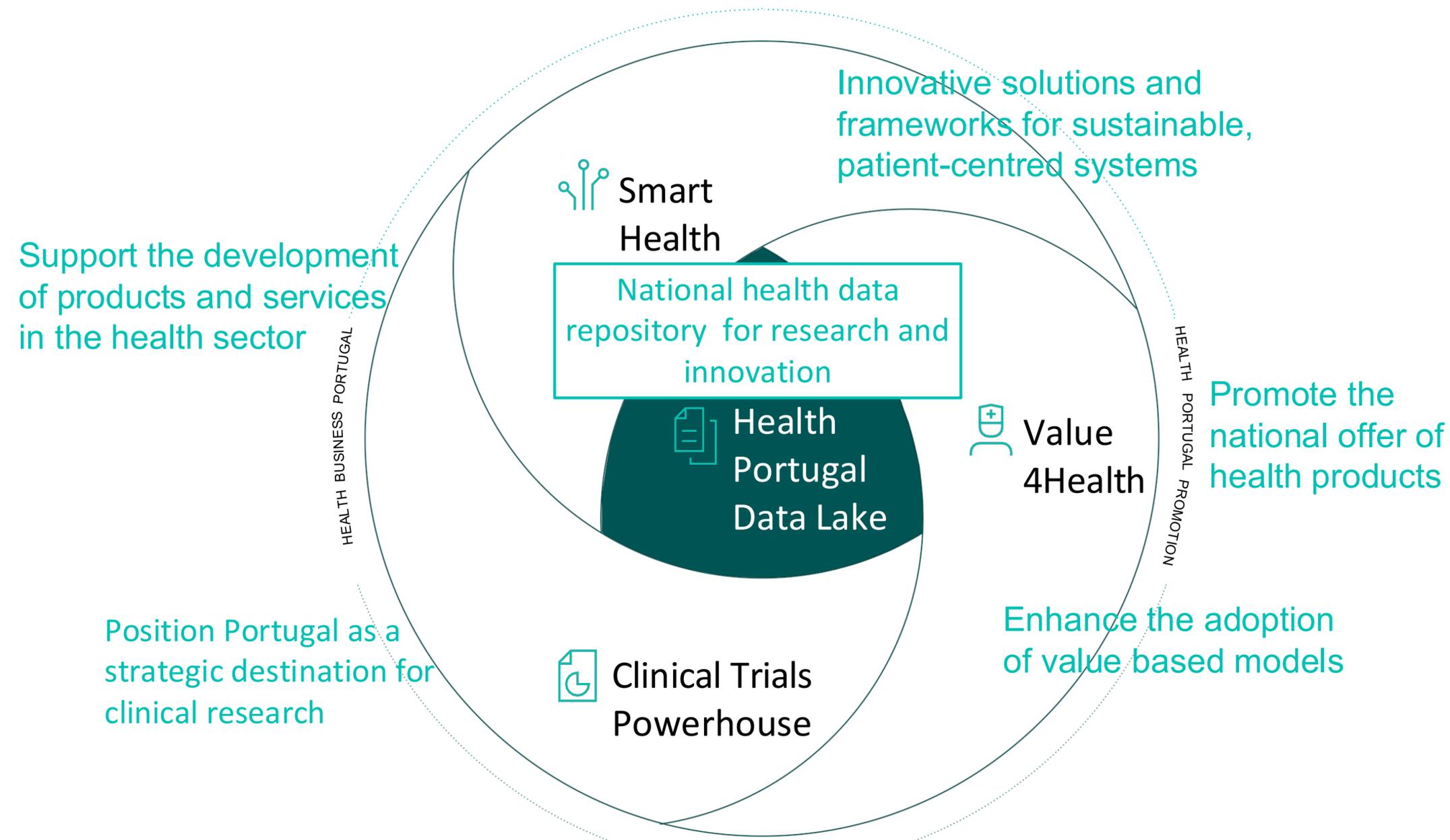
Physical and virtual facilities

Support services

- regulatory
- ethics
- business development

For SMEs and startups in TRL 4-8

Health from Portugal Recovery & Resilience Plan



An integrated response to the Health sector challenges

Partners

88



51

Companies



37

R&D&I

Other

Global Investment

€90M

Global Incentive

€70M

Consortium leader:

Prologica 



90

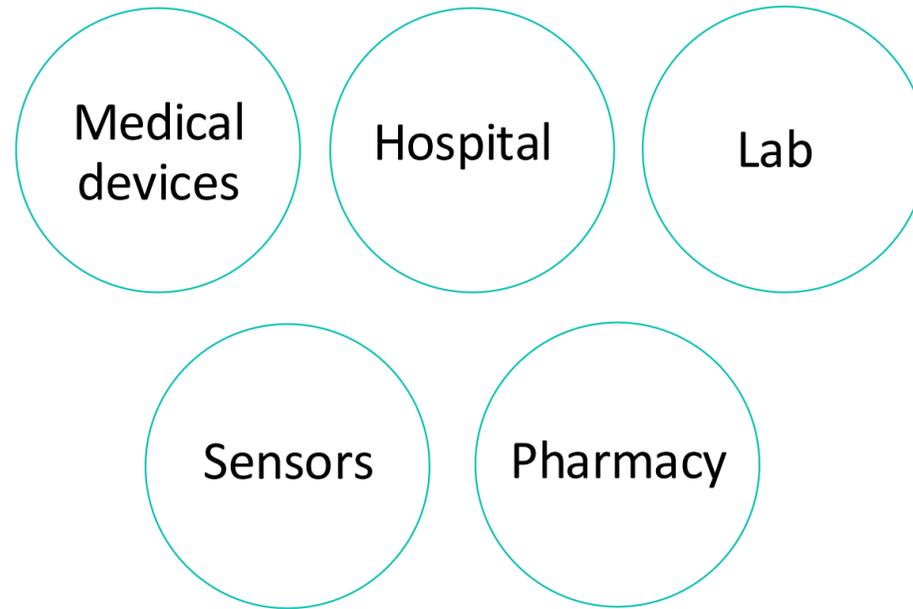
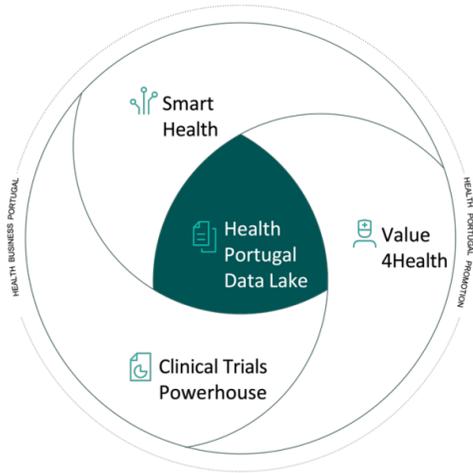
new products & services



300+

Highly qualified jobs

Health Portugal Data Lake



Technology owner – data space platform

Secondary use of data



Research



Preventive Medicine



Improve Healthcare

European Health Data Space (EHDS)

Data privacy

Interoperability

Strengthening European Institutions



Joint Declarations

14

countries

Coordinated by
Scanbalt metacluster

Submitted to
EU Council Presidencies

Aim
Bottlenecks and solutions for a common
EHDS

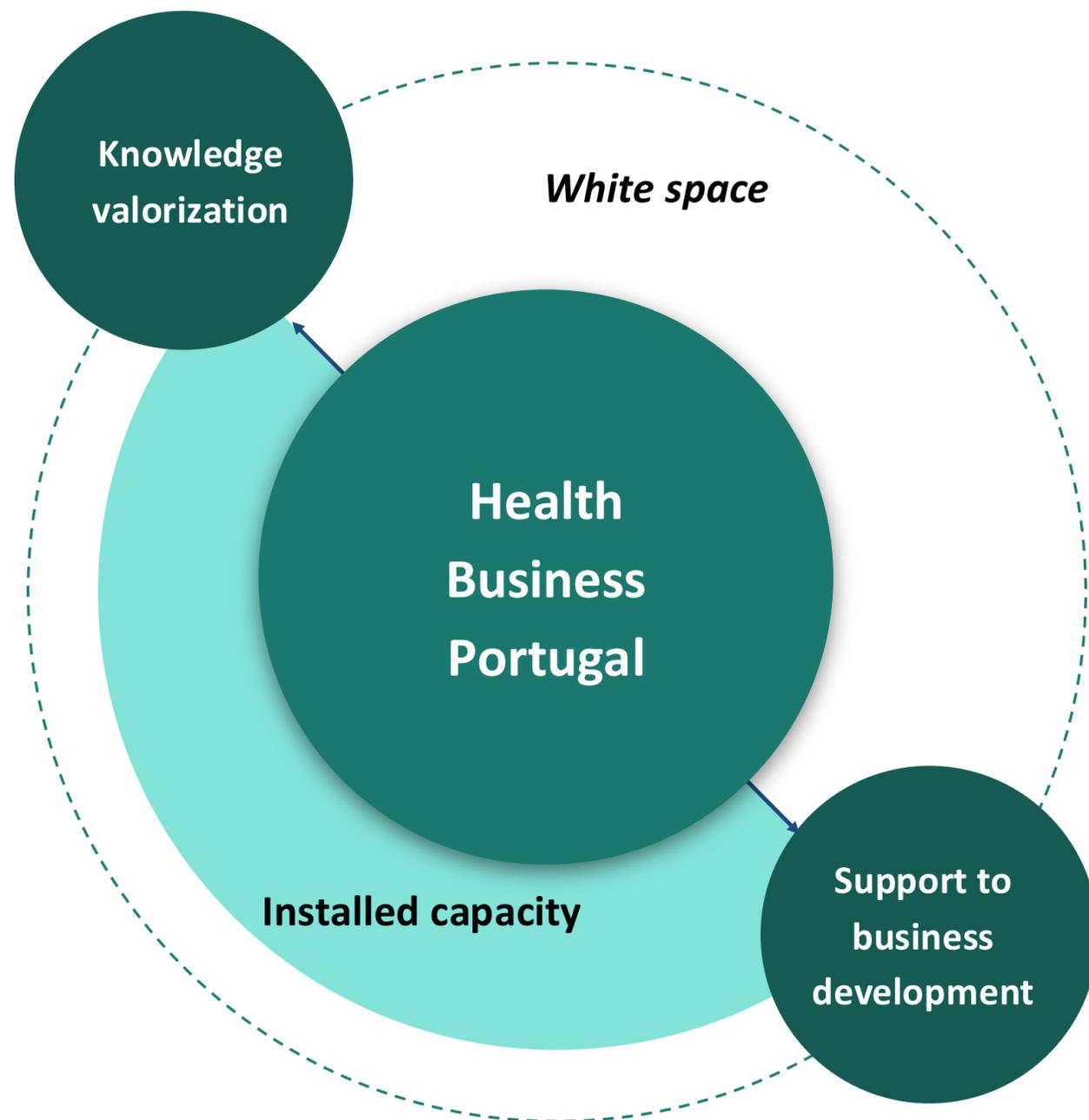
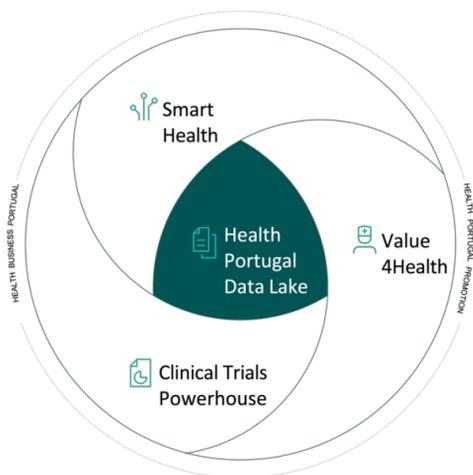
EDAH project

Promote the dialogue and involvement of
stakeholders in the development of the EHDS

Joint Action Plan (HCP)

- Needs and challenges
- Comprehensive action framework

Health Business Portugal



- Aggregate the national capacity and assets
- Promote knowledge valorization
- Support Business Development
- Monitor the environment

