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# *European partnership and opportunities for Active and Healthy Living... in the Digital World*

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**Active and Healthy Living** is a way of life in which physical, social, mental, emotional and spiritual activities are valued and are integrated into daily life, and people have the necessary **knowledge, services, resources and environments** to seize them.

PRIORITY

## A Europe fit for the digital age

Empowering people with a new generation of technologies



Ursula von der Leyen,  
European Commission President

**THIS IS EUROPE'S  
DIGITAL DECADE**

#DigitalEU

The European Commission is working on a digital transformation that will benefit everyone. Digital solutions that put people first will

- open up new opportunities for businesses
- encourage the development of trustworthy technology
- foster an open and democratic society
- enable a vibrant and sustainable economy
- help fight climate change and achieve the green transition



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# Digital Health and Care



TRANSFORMATION OF HEALTH AND CARE IN THE DIGITAL SINGLE MARKET - Harnessing the potential of data to empower citizens and build a healthier society

## European health challenges

- ⊗ Ageing population and chronic diseases putting pressure on health budgets
- ⊗ Unequal quality and access to healthcare services
- ⊗ Shortage of health professionals

## Potential of digital applications and data to improve health

- 🔗 Efficient and integrated healthcare systems
- 🔗 Personalised health research, diagnosis and treatment
- 🔗 Prevention and citizen-centred health services

## What EU citizens expect...

- 90% agree** To access their own health data (requiring interoperable and quality health data)
- 80% agree** To share their health data (if privacy and security are ensured)
- 80% agree** To provide feedback on quality of treatments



#DigitalSingleMarket #DigitalHealth @eHealth\_EU @EU\_Health

## Support European Commission:

### 1 Secure access and exchange of health data

**Ambition:**  
 Citizens can securely access and share (e.g. with doctors or pharmacies) their health data anywhere in the EU.

**Actions:**  
 - eHealth Digital Service Infrastructure will deliver initial cross-border services (patient summaries and ePrescriptions) and cooperation between participating countries will be strengthened.  
 - Proposals to extend scope of eHealth cross-border services to additional cases, e.g. full electronic health records.  
 - Recommended exchange format for interoperability of existing electronic health records in Europe.

### 2 Health data pooled for research and personalised medicine

**Ambition:**  
 Shared health resources (data, infrastructure, expertise...) allowing targeted and faster research, diagnosis and treatment.

**Actions:**  
 - Voluntary collaboration mechanisms for health research and clinical practice (starting with "one million genomes by 2022" target).  
 - Specifications for secure access and exchange of health data.  
 - Pilot actions on rare diseases, infectious diseases and impact data.

### 3 Digital tools and data for citizen empowerment and person-centred healthcare

**Ambition:**  
 Citizens can monitor their health, adapt their lifestyle and interact with their doctors and carers (receiving and providing feedback).

**Actions:**  
 - Facilitate supply of innovative digital-based solutions for health, also by SMEs, with common principles and certification.  
 - Support demand uptake of innovative digital-based solutions for health, notably by healthcare authorities and providers, with exchange of practices and technical assistance.  
 - Mobilise more efficiently public funding for innovative digital-based solutions for health, including EU funding.

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### DIGITAL TOOLS FOR CITIZEN EMPOWERMENT AND FOR PERSON-CENTRED CARE (1/2)

The ageing of the population together with the growing burden of chronic conditions and multi-morbidity are steadily increasing demand for health and care. This means health and social care systems have to develop a different approach to enable more effective care delivery and to confront the complexity of different services which patients are now expected to navigate. That is why it is widely recognised that health systems need to shift from treatment to health promotion and disease prevention, from **a focus on disease to a focus on well-being and individuals**, and **from service fragmentation to the integration and coordination of services along the continuum of care**.

Person-centred approaches to organising health and care can allow citizens to assume responsibility for their health, improve their well-being and the quality of care and contribute to sustainable health systems.

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### **DIGITAL TOOLS FOR CITIZEN EMPOWERMENT AND FOR PERSON-CENTRED CARE – (2/2)**

To better advance health promotion, prevent disease and deliver integrated services based on people's needs, health systems have to find **innovative solutions through new technologies, products and organisational changes**. Central to the success of this transformation are:

- the configuration of new care models,
- the use of health technology assessment for attaining greater quality and sustainability of health services,
- the involvement of multi-disciplinary care teams with new or redesigned roles for care professionals,
- the integration of promotion and prevention into primary care,
- a health workforce of sufficient capacity and appropriate skills,
- the active cooperation between care professionals and patients, and
- the utilisation of digital solutions,

all of which provide the necessary means for delivery of efficient and cost-effective care.

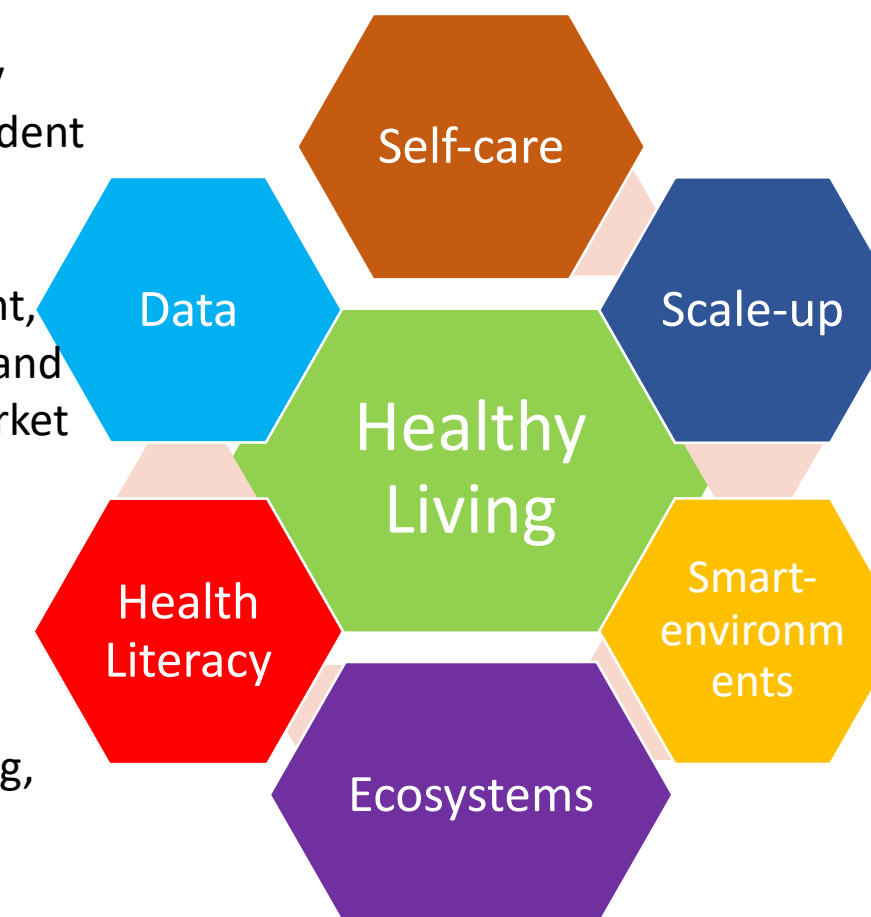
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## Healthy Living Components

- **Data:** Health Data Space, EHR, Healthy Data, Citizen-generated data, Independent Living, 5G
- **Ecosystems:** Stakeholders management, support and co-creation, Information and Knowledge facilitation, Twinning, Market places, Events
- **Self-care:** Prevention, Integrated Care, mHealth, Telemedicine, Primary and Community-based care, Assisted Living, Long-term care, Mental Health



- **Scale-up:** Funding, Accelerators, Twinning, TEF Health, EDIHs, EU collaboration, SMEs and Industry, Wellbeing economy, IA
- **Smart environments:** Age friendly homes, working places, hospitals, cities; Cybersecurity; Environmental change
- **Digital Health Literacy:** Skills, Co-creation and co-design, Curricula and trainings, Prevention

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## *The Transforming Health and Care Systems Partnership*

Horizon Europe co-fund Partnership

**Horizon Europe – Cluster 1 - Health**  
**Destination 4: Ensuring access to innovative,  
sustainable and high-quality health care in the EU**

**Key problem drivers:**

- Demographic changes.
- Poor uptake of technological innovations.
- Climate changes, environmental factors and globalisation.
- Changes in political and social landscape.

**The opportunity offered by the THCS co-funded partnership:**

To pool a critical mass of European/national/regional scientific resources to research, develop and test organisational, service and policy innovations. The context-specific knowledge and evidence will inform health policies and facilitate uptake of innovations, as well as their scaling-up and transfer to other countries and regions.

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**Towards a EU Partnership supporting health systems transformation:  
Background**



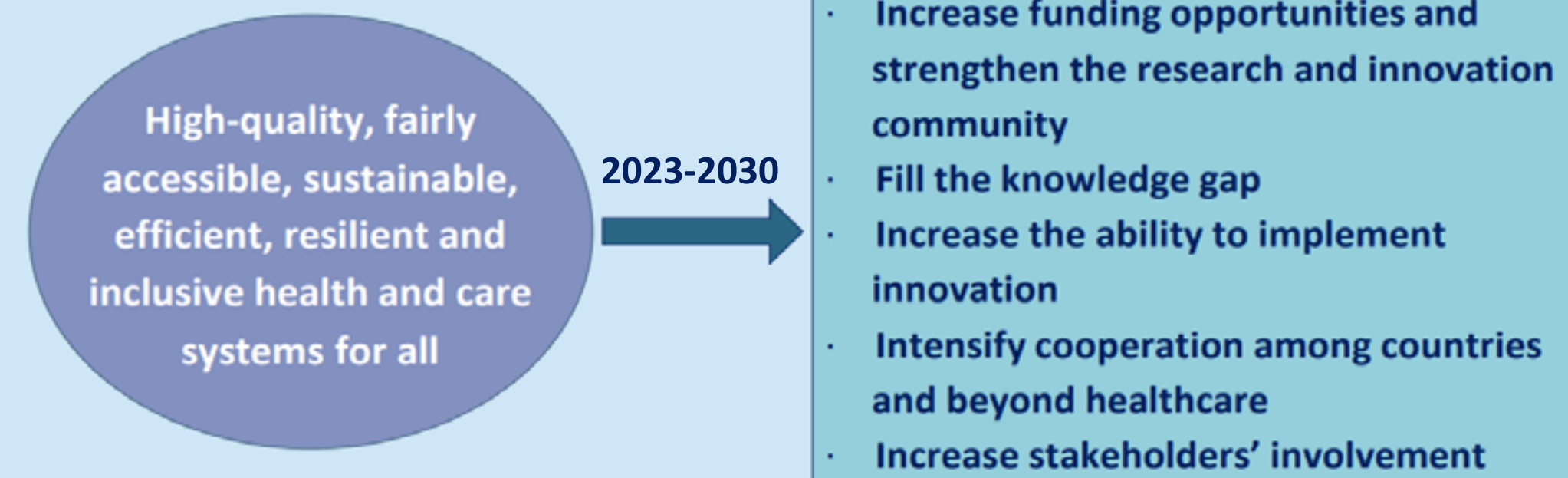
THCS Partnership is the result of previous work done in the field of health services and systems research. It brings together a broad range of research and innovation results and actors to work towards a common vision and translating them into coordinated **implementing actions, evidence-based policies and concrete hands-on outcomes**

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## THCS Vision and Objectives



<https://www.thcspartnership.eu/>

**THCS works embracing the whole knowledge and innovation cycle from fundamental research to implementation and transfer of innovation**

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## The THCS Partnership

THCS started in January 2023 and will last 7 years

63 partners are members of the THCS Consortium:  
56 beneficiaries and 7 affiliated entities

THCS is coordinated by IT MOH in cooperation  
with other National entities

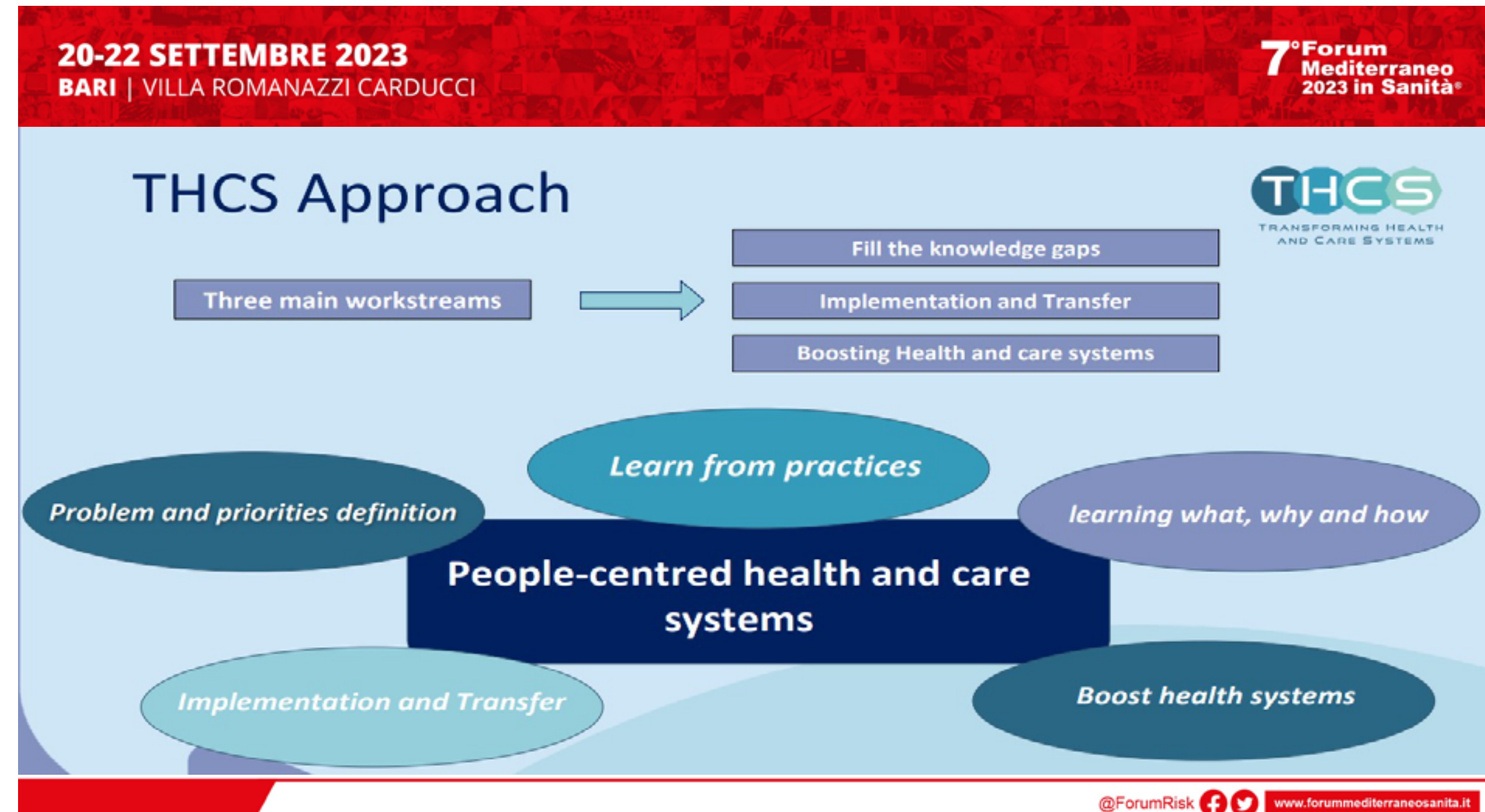
The total budget allocated for THCS is  
**305.248.586,63 €**  
co founded at 30 % by the EC

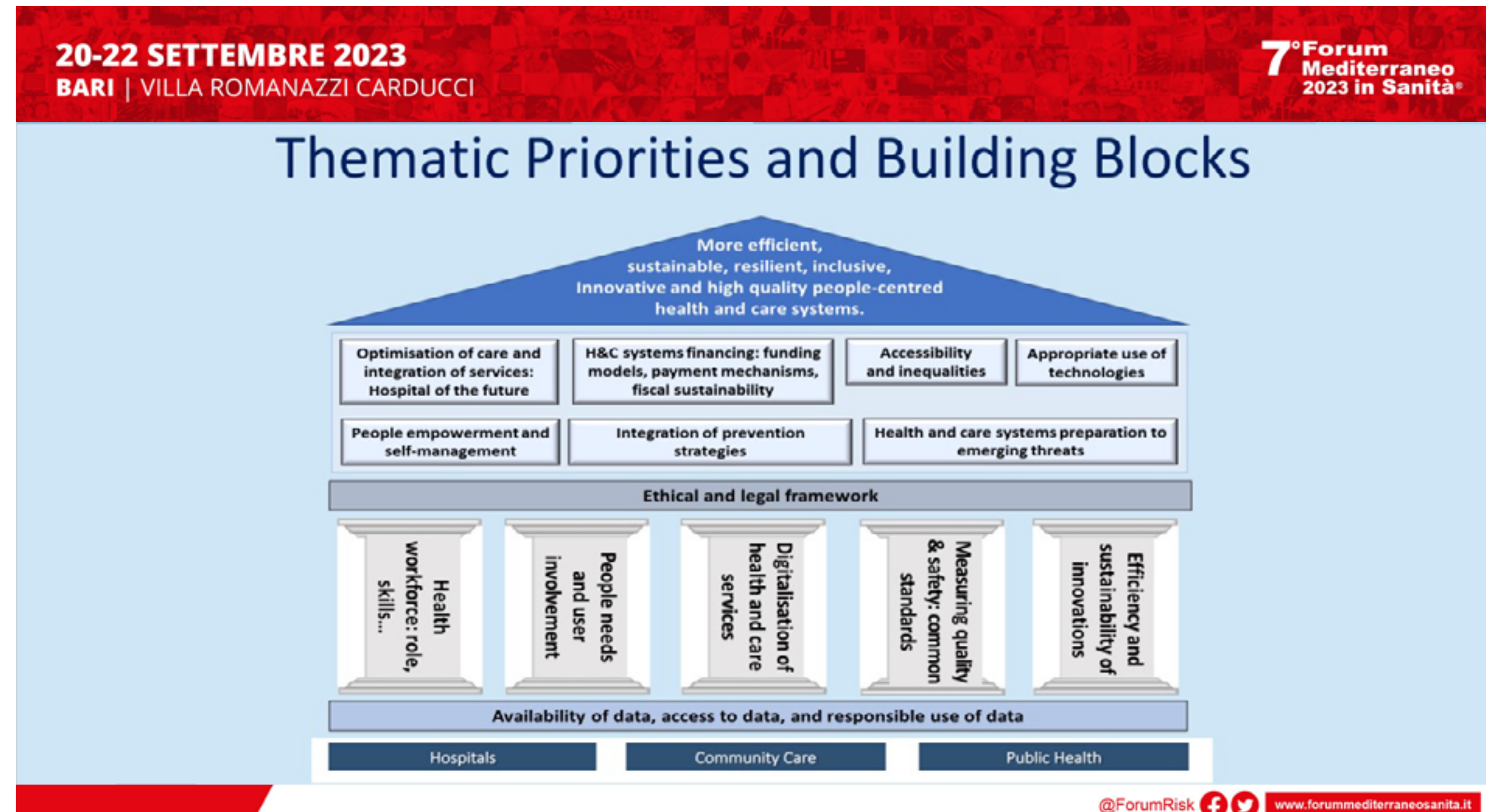


26 countries are involved: 23  
Member States + 3 HE  
Associated Countries,  
together with 3 non-EU  
Countries, Switzerland, UK  
and the United States



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## THCS Expected outcomes

Stronger local and regional ecosystems

Researchers engaged in collaborative research at international level

H&C authorities and policy makers use research results in decision making

Better cooperation among Countries in this R&I field

H&C authorities, policymakers plan and carry out efficient investments

H&C providers and professionals implement innovative solution

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Last updates...

First Joint  
Transnational Call,  
May 2023

**THCS**  
TRANSNATIONAL HEALTHCARE  
AND CARE SOLUTIONS

### THCS First JTC «Healthcare of the future»

First Joint Transnational Call for proposals aiming to encourage the optimization of patient care pathways and contribute to the transition towards more sustainable, efficient, resilient, ethical, high-quality, and accessible person-centered healthcare systems.

→

- To provide the necessary knowledge to build the health and care of the future
- To support the implementation of innovative solutions on a larger scale

More than 30 funding agencies participate with an indicative budget of more than 30 million €

Deadline for submitting Deadline for obligatory Intent to Apply submission – 23<sup>rd</sup> of MAY  
Deadline for proposal submission – 13th of June

Call text – Guidelines for applicants and submission tool available on the THCS website + partner search tool

Web site: <https://www.thcspartnership.eu/>

[https://twitter.com/THCS\\_HEU](https://twitter.com/THCS_HEU)

<https://www.linkedin.com/in/thcs/>

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## RSCN Vision



Promoting and Facilitating the implementation and Scaling-Up of Innovation and Digital Solutions to address the life-course approach to active and healthy ageing

- ❖ Stakeholder-driven, dynamic initiative
- ❖ Fostering innovation in local ecosystem
- ❖ Valorizing the work done in each region



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## RSCN Aims



- a) **Promote** a life-course approach applied to **specific targets and settings**
- b) **Accelerate** the scaling-up and deployment of major innovations and digital health and care solutions that are **tailored** to our Reference Sites

By bringing together all accredited AHA Reference Sites into a single network we:

- facilitate the sharing of knowledge and expertise;
- create opportunities for collaboration to address **common** health and care **challenges**;
- facilitate AHA Reference Site regions in the development and implementation of regional health and care **transformation programmes**;
- generate **connections** with European and International forums to promote a life-course approach to active and healthy ageing.

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## Results



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## HE Destination 1: Topics in 2023 – 2024

- HORIZON-HLTH-2023-STAYHLTH-01-01: single stage  
**The Silver Deal - Person-centred health and care in European regions**
- Closure: **13 April 2023**
- Instrument: RIA
- Tot: 40M€
- Project size: 15-20 M€
- HORIZON-HLTH-2024-STAYHLTH-01-02: two stage  
**Towards a holistic support to children and adolescents' health and care provisions in an increasingly digital society**
- Closure: **19.09.2021**
- Instrument: RIA
- Tot: 30M€
- Project size: 8-10 M€

HORIZON-HLTH-2024-STAYHLTH-01-05-two-stage:  
**Personalised prevention for non-communicable diseases - addressing areas of unmet needs using multiple data sources**

Closure: **19.09.2021**  
Instrument: RIA  
Tot: 50M€  
Project size: 8-12M€

HORIZON EUROPE

Destination 1: Staying healthy in a rapidly changing society

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**DIGITAL HEALTH CALLS 2023**

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**DIGITAL EUROPE PROGRAMME**



### ARTIFICIAL INTELLIGENCE, DATA AND CLOUD

#### (Health) Data spaces

- Genome of Europe**  
1<sup>st</sup> Call Q2/2023
- Federated European Infrastructure for ICU data**  
1<sup>st</sup> Call Q2/2023
- Patients' access to data**  
Call 2024

#### Artificial Intelligence

- Platform for advanced virtual human twin (VHT) models**  
Procurement  
Call 2023

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*Thank you very much!*



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### **Delitti in materia di violazione del diritto d'autore (Art. 25-novies, D.Lgs. n. 231/2001) [articolo aggiunto dalla L. n. 99/2009]**

- Messa a disposizione del pubblico, in un sistema di reti telematiche, mediante connessioni di qualsiasi genere, di un'opera dell'ingegno protetta, o di parte di essa (art. 171, legge n.633/1941 comma 1 lett. a) bis)
- Reati di cui al punto precedente commessi su opere altrui non destinate alla pubblicazione qualora ne risulti offeso l'onore o la reputazione (art. 171, legge n.633/1941 comma 3)
- Abusiva duplicazione, per trarne profitto, di programmi per elaboratore; importazione, distribuzione, vendita o detenzione a scopo commerciale o imprenditoriale o concessione in locazione di programmi contenuti in supporti non contrassegnati dalla SIAE; predisposizione di mezzi per rimuovere o eludere i dispositivi di protezione di programmi per elaboratori (art. 171-bis legge n.633/1941 comma 1)
- Riproduzione, trasferimento su altro supporto, distribuzione, comunicazione, presentazione o dimostrazione in pubblico, del contenuto di una banca dati; estrazione o reimpiego della banca dati; distribuzione, vendita o concessione in locazione di banche di dati (art. 171-bis legge n.633/1941 comma 2)
- Abusiva duplicazione, riproduzione, trasmissione o diffusione in pubblico con qualsiasi procedimento, in tutto o in parte, di opere dell'ingegno destinate al circuito televisivo, cinematografico, della vendita o del noleggio di dischi, nastri o supporti analoghi o ogni altro supporto contenente fonogrammi o videogrammi di opere musicali, cinematografiche o audiovisive assimilate o sequenze di immagini in movimento; opere letterarie, drammatiche, scientifiche o didattiche, musicali o drammatico musicali, multimediali, anche se inserite in opere collettive o composite o banche dati; riproduzione, duplicazione, trasmissione o diffusione abusiva, vendita o commercio, cessione a qualsiasi titolo o importazione abusiva di oltre cinquanta copie o esemplari di opere tutelate dal diritto d'autore e da diritti connessi; immissione in un sistema di reti telematiche, mediante connessioni di qualsiasi genere, di un'opera dell'ingegno protetta dal diritto d'autore, o parte di essa (art. 171-ter legge n.633/1941)
- Mancata comunicazione alla SIAE dei dati di identificazione dei supporti non soggetti al contrassegno o falsa dichiarazione (art. 171-septies legge n.633/1941)
- Fraudolenta produzione, vendita, importazione, promozione, installazione, modifica, utilizzo per uso pubblico e privato di apparati o parti di apparati atti alla decodificazione di trasmissioni audiovisive ad accesso condizionato effettuate via etere, via satellite, via cavo, in forma sia analogica sia digitale (art. 171-octies legge n.633/1941).

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