



# Digital Europe Programme



Health National Contact Points event  
12 December 2022

[#DigitalEuropeProgramme](https://twitter.com/DigitalEuropeProgramme)

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12 December 2022



# 1. Programme structure, budget and timeline



# Digital Europe Programme - main objectives

*strategic autonomy*



## Compete globally

Other regions of the world invest huge amount of public capital in advanced technologies. For example, the US and China spend € 10-20 billion annually on AI alone



## Better address Europe's economic and societal challenges

E.g. climate, health, mobility and public services



## Achieve scale through collective co-investments

Given the size of investments needed, scale required and risks involved Europe needs to pool the resources together



## Ensure broad take-up of digital technologies across all regions of EU

In deploying latest technologies to offer best services to citizens and business



## Regain control over Europe's value chains

and ensure Europe's technological sovereignty

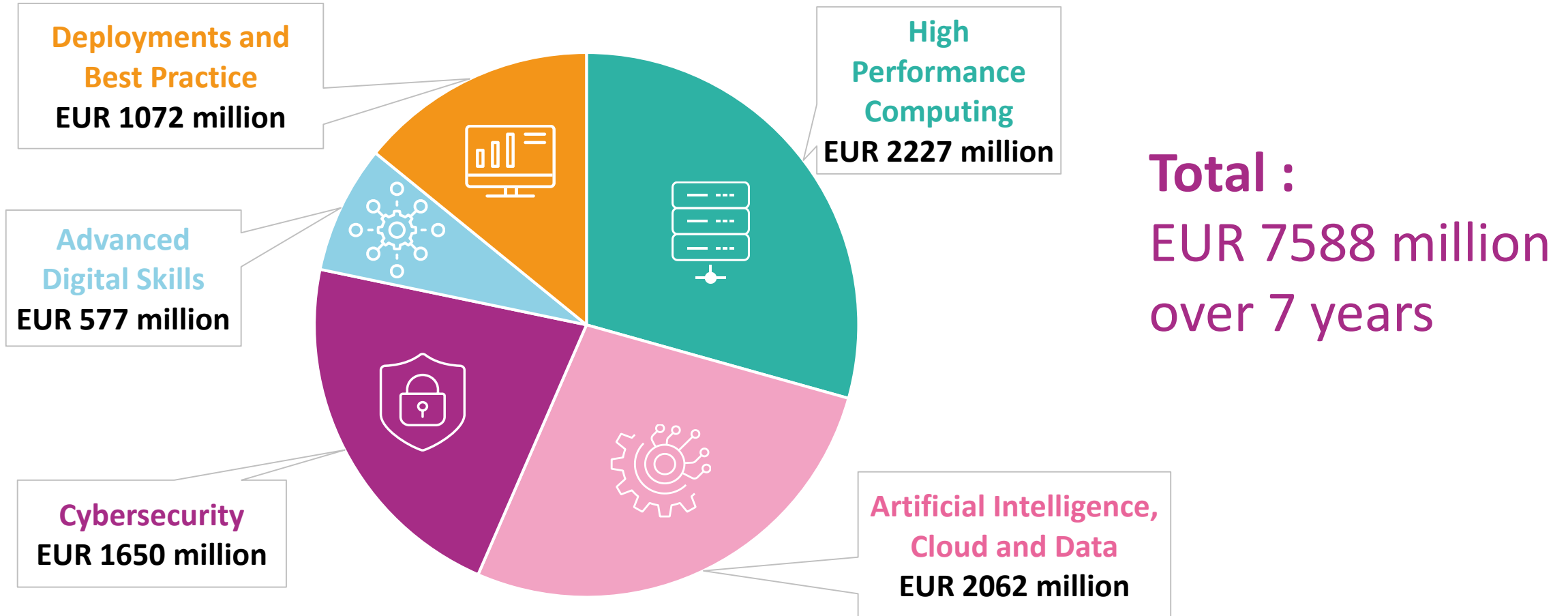


## Support SMEs to acquire or access the latest technologies and skills

More than 400,000 EU vacancies in these fields



# Budget as in Regulation





# Some specific features

- Focus is on delivery of actual results. It can make use of the most recent research results, but it will not support research. For example, the programme supports:
  - The acquisition of HPC machines
  - The set up of sectoral data spaces, e.g. manufacturing
  - The building or reinforcing of Testing and Experimentation Facilities
  - The set up and delivery of Master courses in key advanced digital technologies
  - The set up, interoperability, operations and maintenance of eGovernment services
- Funding schemes (*similar but not the same as Horizon Europe!*)
  - Grants with 50% funding rate (75% possible for SMEs)
  - CSA at 100%
  - Wide use of procurement
- The Call documents complement the Work Programme specifying key features
- Parts of the programme have restrictions to participation



# Digital Europe work programmes 2021-22

- Four work programmes :
  - High Performance Computing → implemented by the EuroHPC JU and not part of the package to be adopted by the Commission
  - Cybersecurity → implemented by the ECCC and, ad interim, by DG CNECT
  - European Digital Innovation Hubs → implemented by DG CNECT
  - "Main" → implemented mainly by DG CNECT and HaDEA with Indirect Management for some actions



# Digital Europe Programme in summary

## High-performance computing

- Independent annual work programme
- Adopted by the EuroHPC JU Governing Board
- Indicatively EUR 556 million for 2021-2022

## Cybersecurity

- Independent work programme
- It will be managed by ECCC, but for the moment is with DG CNECT
- EUR 269 million for 2021-2022

Exception:

- Quantum communication infrastructure – QCI which is covered in the "main" work programme
- EUR 170 million for 2021-2022

## European digital innovation hubs

- Independent work programme covering three years
- Managed by DG CNECT
- EUR 329.3 million for 2021-2023

## Artificial intelligence, Data and Cloud

- In the "main" work programme, covering two years
- Adopted and managed by the Commission
- EUR 548 million for 2021-2022
  - EUR 204 million for topics related to cloud-to-edge infrastructure and services
  - EUR 206 million for sectorial data spaces and related activities
  - EUR 139 million for TEFs and AI-on-demand platform

## Advanced digital skills

- In the "main" work programme, covering two years
- Managed by HaDEA
- EUR 166 million for 2021-2022

## Deployments

- In the "main" work programme, covering two years
- Adopted by the Commission
- Mainly managed by HaDEA
- EUR 419.65 million for 2021-2022





# Timeline

- DEP Regulation adopted in April 2021 with a budget of EUR 7.6 billion over 7 years
- First Work programme (2021-2022) adopted by Commission on 10 November 2021
- First call opened on 17 November 2021 and closed on 22 February (except for the QCI calls that were open until 29 March)
- Second call opened on 22 February 2022 and closed on 17 May (except for Accelerating best use of technologies that closed on 17 August 2022).
- **Third call will open in Q3 2022**
- **Second Work Programme (2023-2024) currently in preparation**





Questions?



## 2. How to apply



# Funding & tender portal (F&T portal)

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home>



Funding & tender opportunities  
Single Electronic Data Interchange Area (SEDIA)

English

[Register](#) [Login](#)



[SEARCH FUNDING & TENDERS](#) [HOW TO PARTICIPATE](#) [PROJECTS & RESULTS](#) [WORK AS AN EXPERT](#) [SUPPORT](#)

## Find calls for proposals and tenders

Search calls for proposals and tenders by keywords, programmes...

Search

[ERA corona platform](#)

[Brexit info](#)

[Report fraud](#)

News

### EU Programmes

Asylum, Migration and Integration Fund (AMIF)	Border Management and Visa Instrument (BMVI)	Citizens, Equality, Rights and Values Programme (CERV)	Creative Europe (CREA)	<b>Digital Europe Programme (DIGITAL)</b>	Europe Direct (ED)
European Parliament (EP)	European Solidarity Corps (ESC)	Erasmus+ Programme (ERASMUS+)	European Social Fund + (ESF)	Innovation Fund (INNOVFUND)	Internal Security Fund (ISF)
Horizon Europe (HORIZON)	Single Market Programme (SMP)	Social Prerogative and Specific Competencies	EU External Action (RELEX)	Justice Programme (JUST)	Pilot Projects and Preparatory Actions

# Proposal structure



## Part A - online form

- Administrative information
- General information:  
title, acronym, keywords,  
abstract, declarations
- Participants and contacts  
(PIC to identify the partner)
- Budget and requested grant

## Part B - template

- Project summary
- Relevance
- Implementation
- Impact
- Work plan, packages,  
timing, subcontracting
- Declarations
- Annexes



# Topic related FAQ

## Federated European infrastructure for cancer images data

TOPIC ID: DIGITAL-2022-CLOUD-AI-02-CANCER-IMAGE

Grant

General information

Topic description

Conditions and documents

Partner search announcements

Submission service

**Topic related FAQ**

Get support

Call information

Call updates

### General information

Programme

[Digital Europe Programme \(DIGITAL\)](#)

Work programme part

[Digital Europe Work Programme 2021-2022](#)

Call

[Cloud Data and TEF \(DIGITAL-2022-CLOUD-AI-02\)](#)

Work programme year

**DIGITAL-2021-2022**

Type of action

**DIGITAL-SIMPLE DIGITAL Simple Grants**

Type of MGA

**DIGITAL Action Grant Budget-Based [DIGITAL-AG]**

Deadline model

**single-stage**

Opening date

**22 February 2022**

Deadline date

**17 May 2022 17:00:00 Brussels time**



# Partner search / Call document / Get support

## Conditions

**1. Admissibility conditions:** described in section 5 of the call document

**Proposal page limits and layout:** described in Part B of the Application Form available in the Submission System

**2. Eligible countries:** described in section 6 of the call document

**3. Other eligibility conditions:** described in section 6 of the call document

**4. Financial and operational capacity and exclusion:** described in section 7 of the call document

**5. Evaluation and award:**

- **Award criteria, scoring and thresholds:** described in section 9 of the call document
- **Submission and evaluation processes:**
- **Indicative timeline for evaluation and grant agreement:** described in section 4 of the call document

**6. Legal and financial set-up of the grants:** described in section 10 of the call document

## Documents

[Call document](#)

Standard application form – call-specific application form is available in the Submission System

[Digital Europe General MGA v1.0](#)

[Guidance Classification of information in DIGITAL projects](#)

[Guidance on participation in DEP - restricted calls](#)

[Digital Europe Work Programme 2021-2022](#)

[Digital Europe Regulation 2021/694](#)

[EU Financial Regulation 2018/1046](#)

## Partner search announcements

### Searches of partners to collaborate on this topic

0

[View / Edit](#)

LEARs, Account Administrators or self-registrants can publish partner requests for open and forthcoming topics

## Get support

Please read carefully all provisions below before the preparation of your application.

For help related to this **call**, please contact us [here](#)

[Funding & Tenders Portal FAQ](#) – Submission of proposals.

[IT Helpdesk](#) – Contact the IT helpdesk for questions such as forgotten passwords, access rights and roles, technical aspects of submission of proposals,

[Online Manual](#) – Step-by-step online guide through the Portal processes from proposal preparation and submission to reporting on your on-going project.



# Part B templates and electronic forms

Application forms

Proposal forms

**Deadline**  
17 May 2022 17:00:00 Brussels Local Time

69 days left until closure

Call data:

Call: DIGITAL-2022-CLOUD-AI-02  
Topic: DIGITAL-2022-CLOUD-AI-02-CANCER-IMAGE  
Type of action: DIGITAL-SIMPLE  
Type of MGA: DIGITAL-AG

⚠ Topic and type of action can only be changed by creating a new proposal.

Proposal data:

Acronym: IMAGE CANCER DT  
Draft ID: SEP-210846598

**Download Part B templates**

Download part B templates

Support & Helpdesk

Online Manual IT How To IT Helpdesk FAQ

Service Desk:  
EC-FUNDING-TENDER-SERVICE-DESK@ec.europa.eu  
+32 2 29 92222

In this step you can edit the Administrative Forms and upload the proposal itself.

Your proposal contains changes that have not yet been submitted.

Administrative forms (Part A)

**Edit forms** View history Print preview

Part B and Annexes

In this section you may upload the technical annex of the proposal (in PDF format only) and any other requested attachments.

Part B Upload

List of previous projects Upload

Ownership control declaration Upload

Ethics issues table Upload

Security issues table Upload

Other annexes Upload

BACK TO PARTICIPANTS LIST VALIDATE SUBMIT

**Call: DIGITAL-2022-CLOUD-AI-02**  
( Cloud Data and TEF )

**Topic: DIGITAL-2022-CLOUD-AI-02-CANCER-IMAGE**

**Type of Action: DIGITAL-SIMPLE**  
(DIGITAL Simple Grants)

**Proposal number: SEP-210846598**

**Proposal acronym: IMAGE CANCER DT**

**Type of Model Grant Agreement: DIGITAL Action Grant Budget-Based**

Table of contents

Section	Title	Action
1	General information	Show
2	Participants	Show
3	Budget	Show
4	Other questions	Show

## How to fill in the forms

The forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the forms are pre-filled based on the steps in the submission wizard.



Questions?





# 3. Health in Digital Europe Programme: underpinning policies, initiatives and synergies

# European Data Strategy for European data economy



## Cross-sectoral governance framework

DGA and Data Act



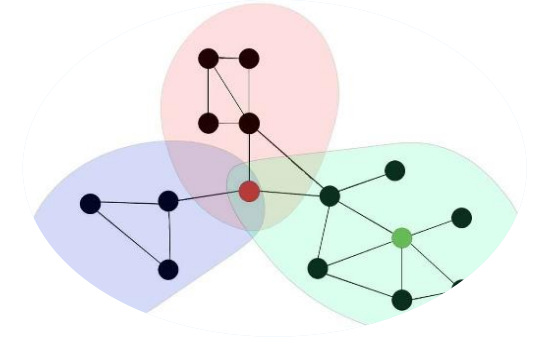
## Enablers

Investments in data spaces and federated cloud infrastructures



## Competences

Empowering individuals, investing in digital skills & data literacy and in dedicated capacity building for SMEs.



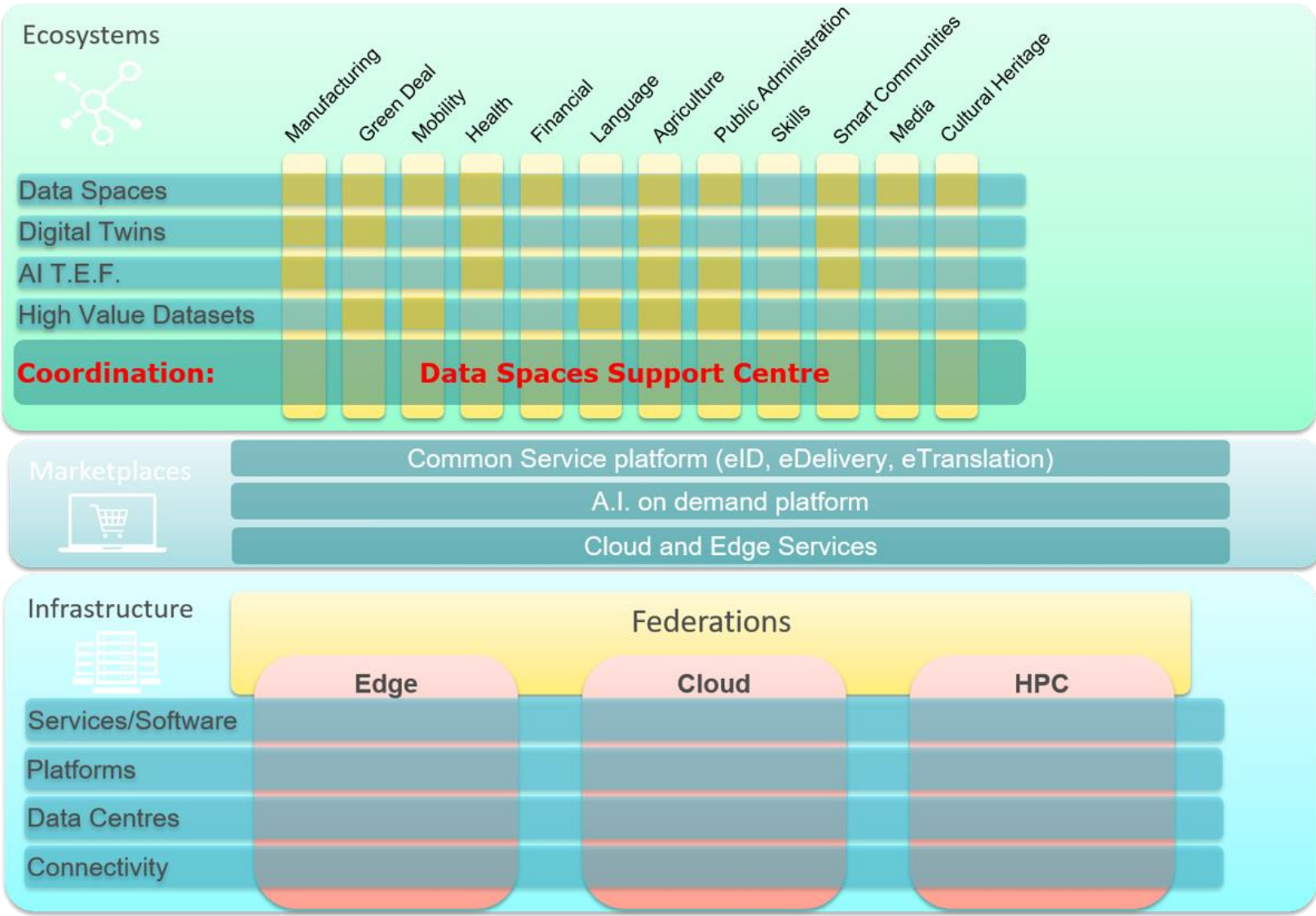
## Common European data spaces

in crucial economic sectors and domains of public interest, looking at data governance and practical arrangements.



# Common European Data Spaces

Skills & Digital Innovation Hubs  
 Standards, Interoperability & Portability  
 End-to-end cybersecurity, Trust, authentication, identification



Data Spaces should be built over federated data infrastructure with common technical requirements to assure interoperability and use common standards.

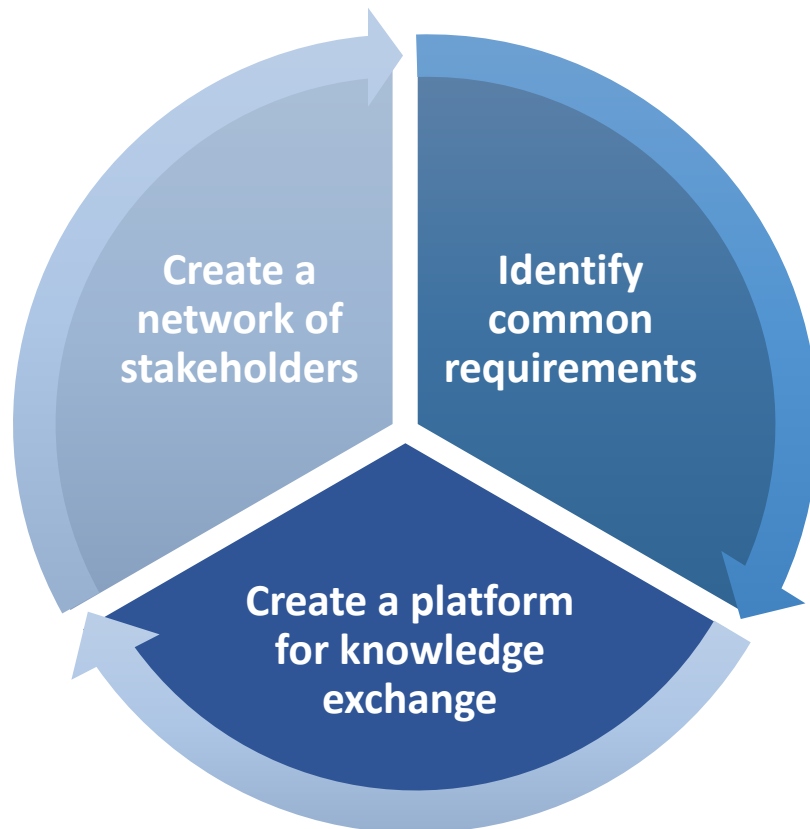
Services and middleware developed to enable a federation of cloud-to-edge capacities that will be at the disposal of all data spaces



# Data Spaces Support Centre

**Works closely with other actions funded under DIGITAL**

- CSA, 42 months, EU budget 14 MIO EUR
- Started on 1 October 2022
- Website <https://dssc.eu/>



**Supports the work of the European Data Innovation Board established by the Data Governance Act**

**Support the deployment of data spaces**



# Health in Digital Europe Work Programme 2021-22

## Artificial Intelligence, data and cloud

### Data spaces – Health Data Space

#### Genomics data

Budget 20 MIO  
EUR

#### Cancer imaging data

18 MIO

### Testing and Experimentation Facilities

TEF  
for  
Health  
30 MIO

## Cybersecurity and trust

### Support to cybersecurity in the health sector

10 MIO  
(Cybersecurity  
Work Programme)

## Accelerating best use of technologies

### Uptake of digital solutions in Health and Care

CSA 1 MIO

### An ecosystem for digital twins in healthcare

CSA 5 MIO

# Cross-cutting collaboration in Genomics

## Data and expertise

- data dispersed across Europe – sequenced genomes
- link, connect, protect, collaborate
- secure access
- scale effect

## Research

- better understanding of diseases
- causes, risk factors, probabilities, cure



## Healthcare

- quicker diagnosis and treatment
- personalised medicine
- improved prevention programmes
- more efficient healthcare systems





# Federated European infrastructure for genomics data

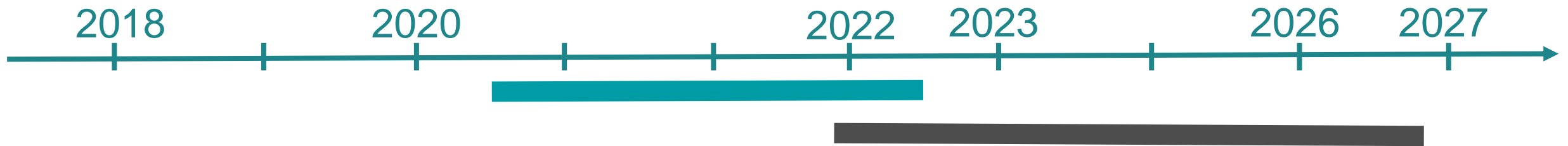


- Topic ID: DIGITAL-2021-CLOUD-AI-01-FEI-DS-GENOMICS
- Project name: **Genomic Data Infrastructure (GDI)**, ID: 101081813
- Simple grant, co-funding 50%, EU budget €20M, total budget €40M
- Project coordinator: European Molecular Biology Laboratory (Elixir Hub)
- Project duration: 1 November 2022 – 31 October 2026
- Participants: 48 beneficiaries and affiliated entities, 6 associated partners
- 20 countries involved: at least 6 countries to be operational by 2024, and further 9 by 2026
- 2 research infrastructures contributing

# 1+ Million Genomes: implementation timeline



Cross-border access to genomic data,  
implementation of genomics-based health & research



European  
Genomic Data  
Infrastructure



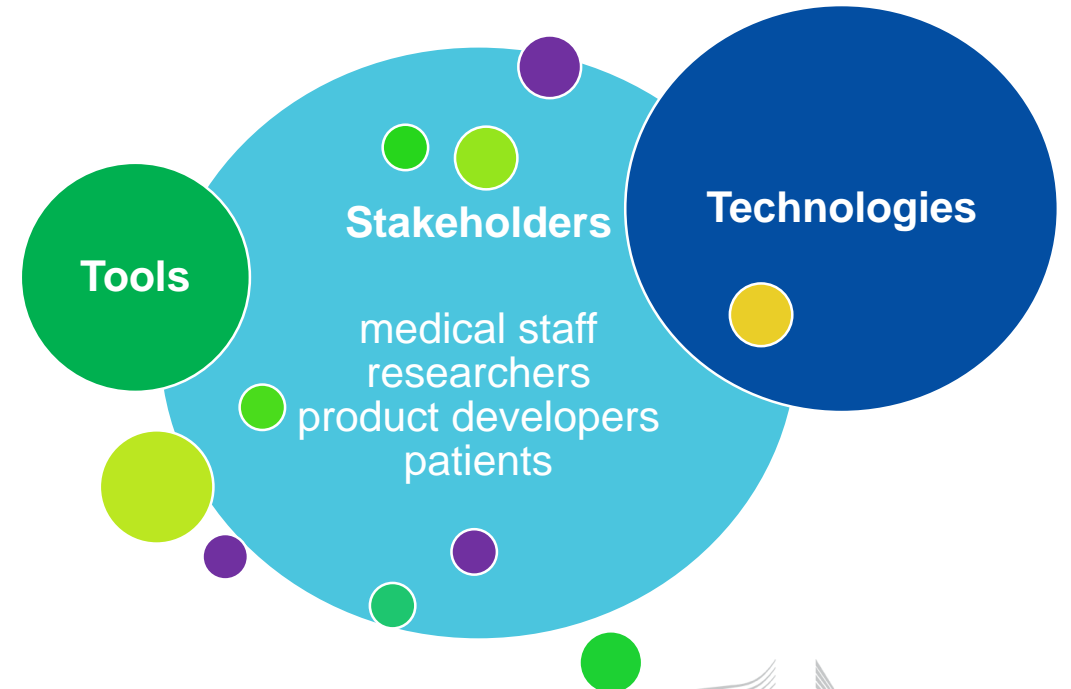


# European Cancer Imaging Initiative

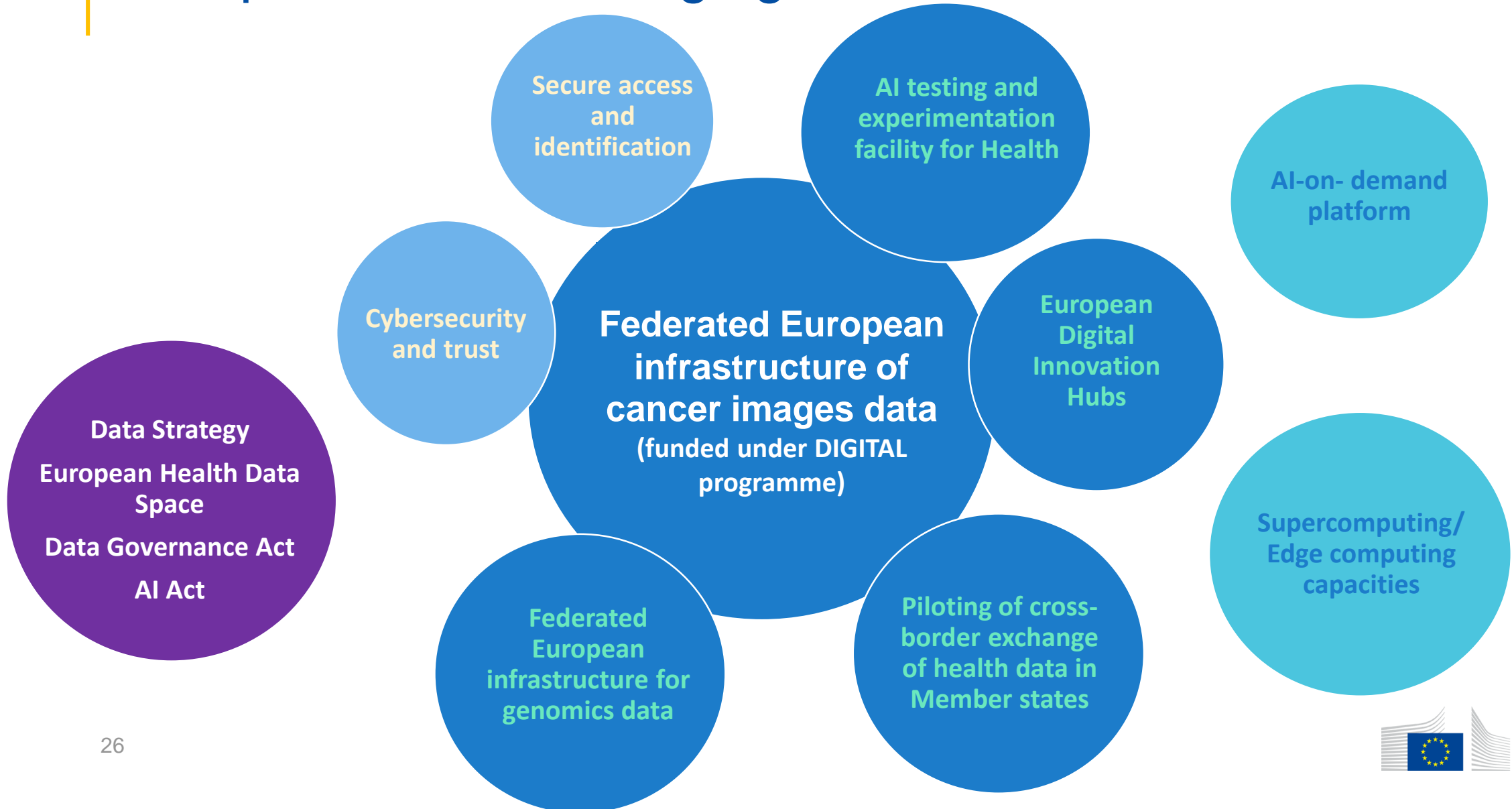
## Flagship initiative in the Europe's Beating Cancer Plan

- Builds on substantial research efforts and EU funding on **AI and cancer imaging** by leading European researchers

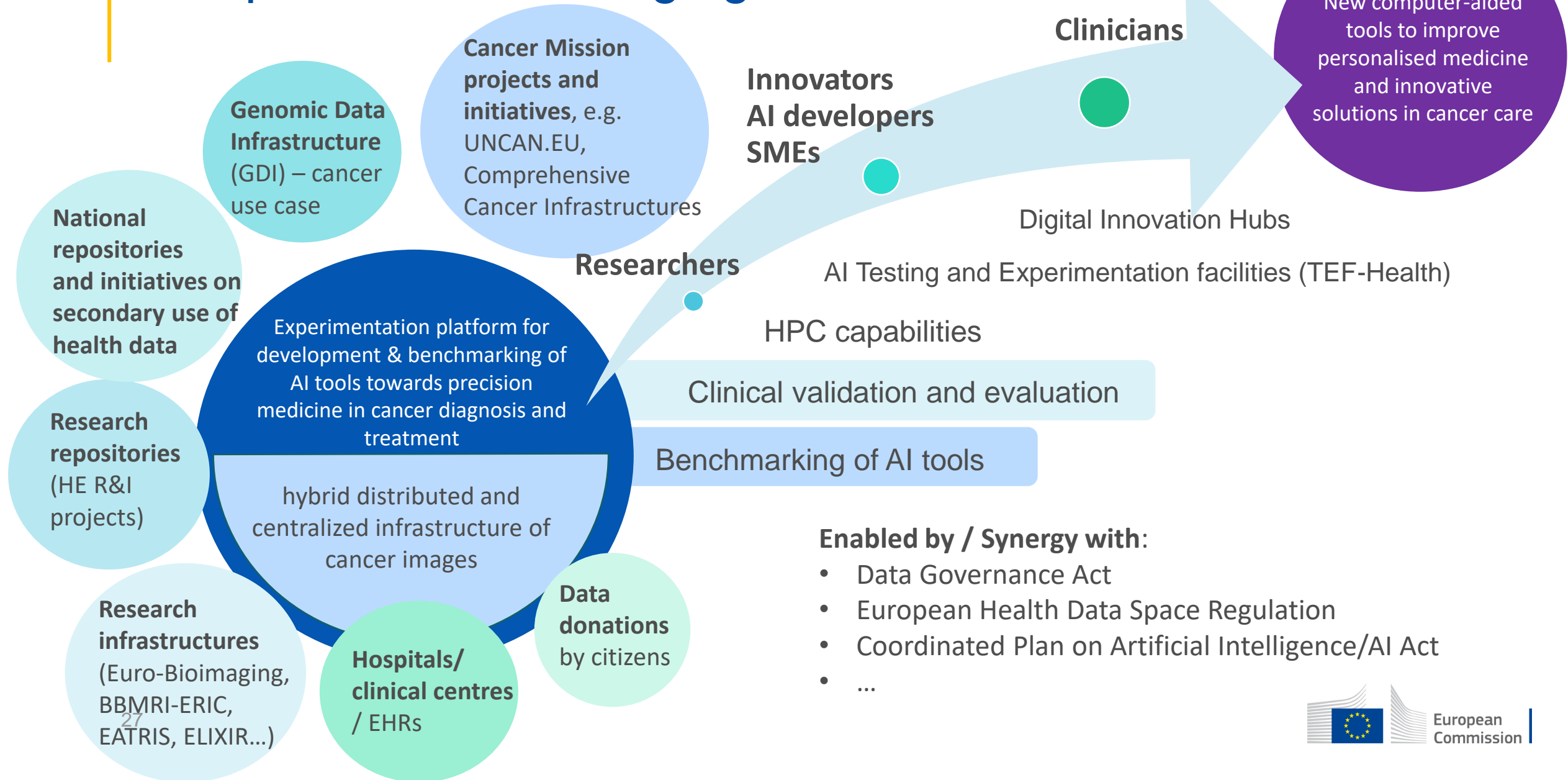
- Brings together and adds value to:



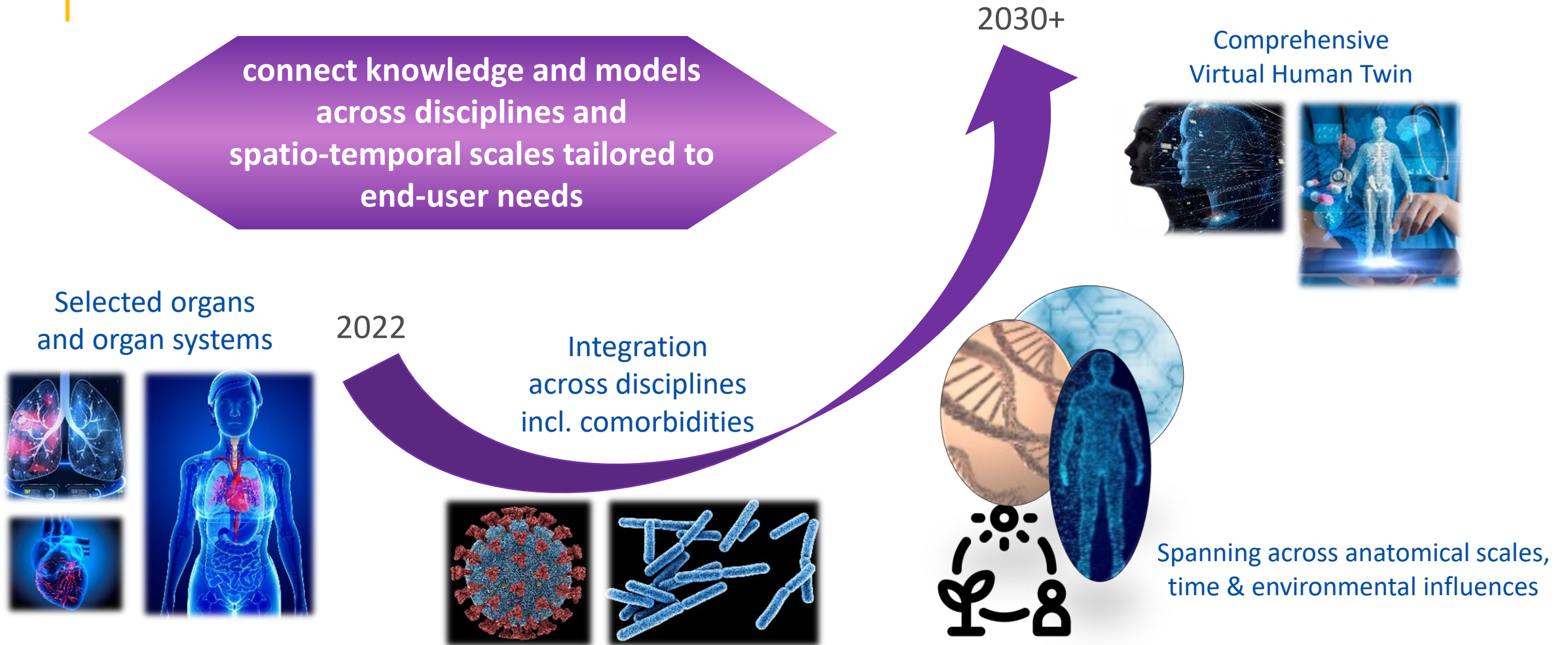
# European Cancer Imaging Initiative – *Context*



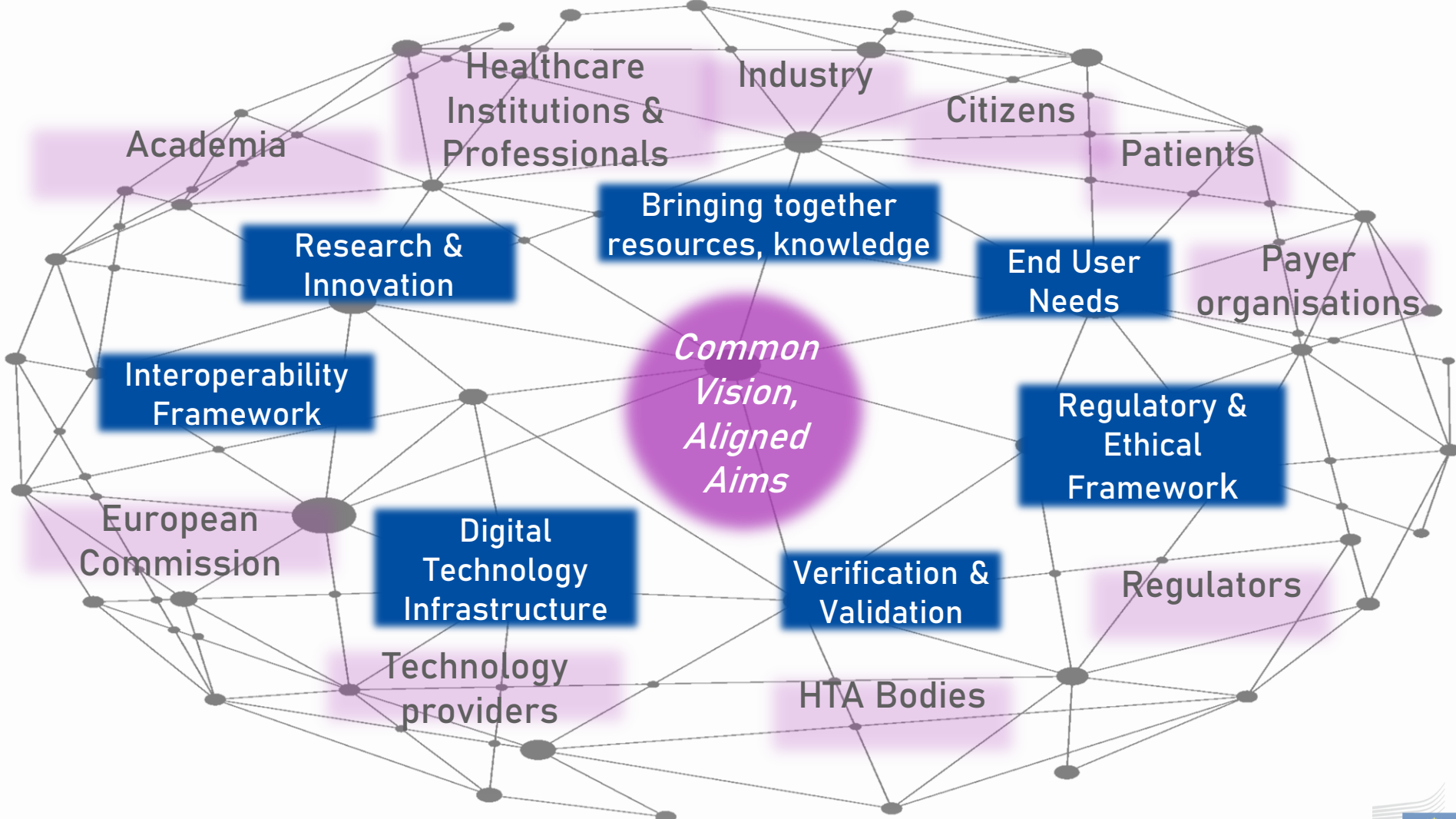
# European Cancer Imaging Initiative – *How*



# Towards Virtual Twin(s) of the human



# An inclusive, connected ecosystem





# Building an Ecosystem for Digital Twins in Healthcare



- Topic ID: DIGITAL-2021-DEPLOY-01
- Project name: **An ecosystem for digital twins in healthcare (EDITH)**, ID: 101083771
- Coordination and Support Action, funding 100%, total budget €5M
- Project coordinator: Virtual Physiological Human Institute for Integrative Biomedical Research VZW (VPH Institute)
- Project duration: 1 October 2022 – 30 September 2024
- 17 partners

# EDITH objectives

Ecosystem



Roadmap



Repository



Simulation Platform



- ➔ **Title:** DigitalHealthUptake - Uptake of Digital Solutions in Health and Care
- ➔ **Duration:** November 2022 – October 2024
- ➔ **Instrument:** Digital Europe Programme
- ➔ **Type:** Coordination and Support Action
- ➔ **Grant Agreement Number:** 101083929
- ➔ **Budget:** 999,861.50 EUR
- ➔ **Partners:** 7 partners from research organisations, companies as well as intergovernmental and multi-stakeholder associations at EU, MS and regional level, representing over 1,300 members, reaching out to 80,000 organisations and experts





# Active and Healthy Living in the Digital World



European Innovation Partnership on Active and Healthy Ageing

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**Active and Healthy Living in the Digital World** is a multi-stakeholder information and communication hub for European citizens, innovators, patients, health and care providers, researchers and policy makers engaged in research and innovation, deployment, exchange and dissemination of best practices, innovative solutions, scientific collaboration and policies related to active and healthy living and aging with digital tools. It builds on the achievements of the [European Innovation Partnership on Active and Healthy Ageing](#) and promotes active and healthy living throughout the life-course.



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Ecosystems and Reference Sites



International Cooperation



Silver Economy & HealthTech



Age-Friendly environments



Digital Health Literacy

# Examples of synergies with Horizon Europe

## Data spaces / EHDS

- HORIZON-HLTH-2023-TOOL-05-05 **Harnessing the potential of real-time data analysis and secure Point-of-Care computing for the benefit of person-centred health and care delivery**
- HORIZON-HLTH-2023-IND-06-02 **Expanding the European Electronic Health Record exchange Format to improve interoperability within the European Health Data Space**

## Genomics

- HORIZON-HLTH-2023-TOOL-05-04 **Better integration and use of health-related real-world and research data, including genomics, for improved clinical outcomes**

## Cancer imaging

- HORIZON-JU-IHI-2022-01-single-stage **Next generation imaging and image-guided diagnosis and therapy for cancer**

## Virtual twins

- HORIZON-HLTH-2023-TOOL-05-03 **Integrated, multi-scale computational models of patient patho-physiology ('virtual twins') for personalised disease management**

## Active and healthy living / uptake of digital solutions

- HORIZON-HLTH-2023-STAYHLTH-01-01 **The Silver Deal - Person-centred health and care in European regions**



# Digital Europe Programme - Useful links

## Digital Europe Programme website

<https://digital-strategy.ec.europa.eu/en/activities/digital-programme>

## Digital Europe Programme Regulation

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32021R0694&qid=1621344635377>

## Funding & tender opportunities portal

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/programmes/digital>



# Thank you! Questions?



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