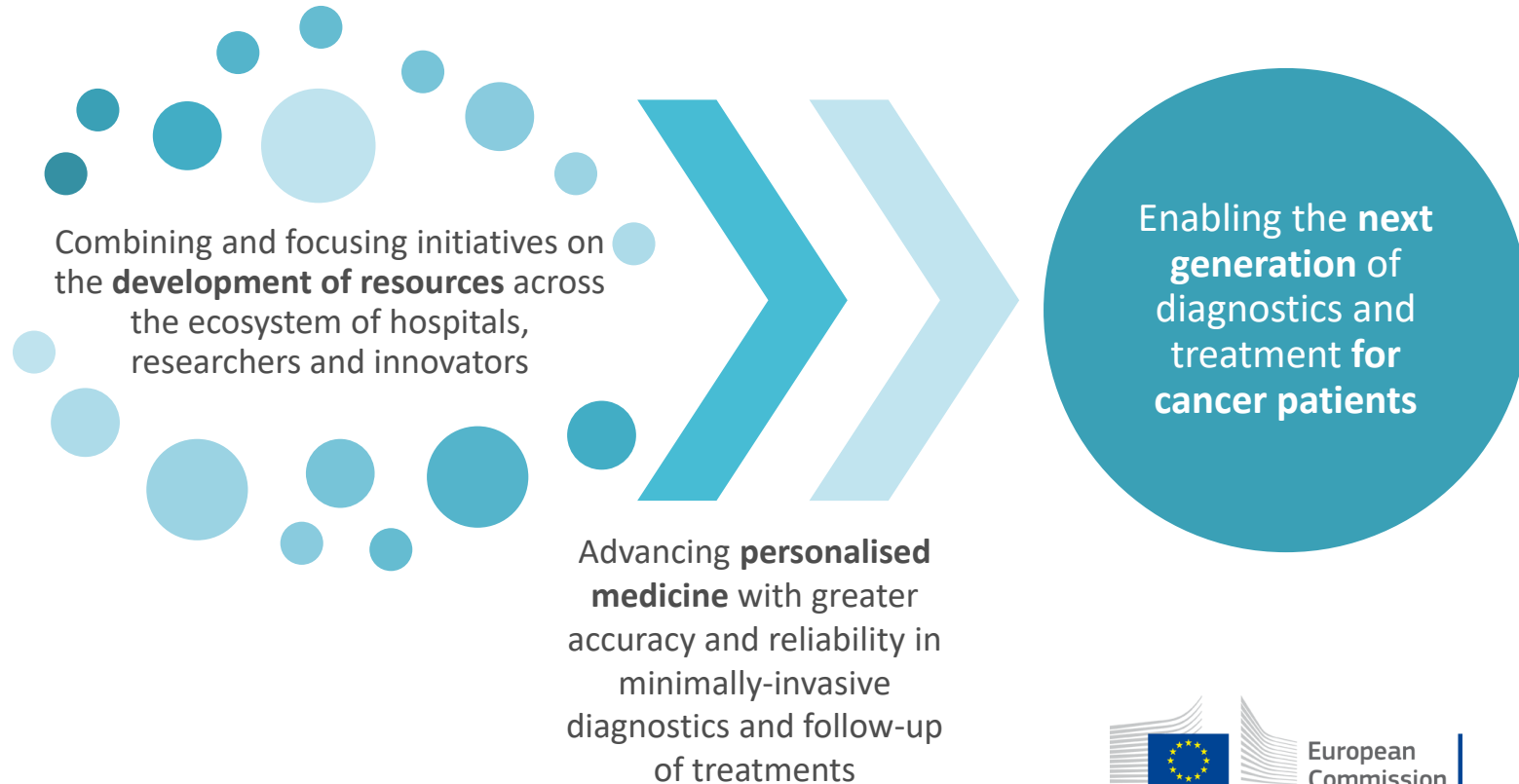


European Cancer Imaging Initiative

A new EU state of the art platform for innovators to pilot technologies that target cancer, and demonstrate the power of AI and digital technologies to beat cancer

- An EU **'atlas' of cancer-related anonymized images** accessible to a wide range of stakeholders
- Involving the planned new **Testing and Experimentation Facilities**
 - to link the data to tools such as HPC and AI
 - including benchmarks for cancer screening algorithms
- Supported by **Digital Innovation Hubs**



Survey on cancer imaging initiatives and stakeholders in the EU Member States

- 17 answers to the survey circulated in December 2021
 - Input for DIGITAL call text on European federated Infrastructure for Cancer Images data
 - Information about the call launch/Info Day sent to identified stakeholders
 - Bilateral meetings with relevant national initiatives and projects
- Survey can still be answered:
<https://ec.europa.eu/eusurvey/runner/CancerImagingInitiative2021>
- Email: CNECT-CANCER-IMAGING-INITIATIVE@ec.europa.eu

Cancer Imaging landscape in EU Member States

- (bigger) hospitals and health care providers have medical image repositories (PACS)
- radiology images are often part of the national e-Health systems and/or stored in the framework of national screening programmes
- in a few European countries there are organizations which manage imaging repositories at local or regional levels
- cancer images data is part of bigger data initiatives on national level (e.g. France, Sweden); or bigger cancer research infrastructures (e.g. Germany)
- in several countries cancer images data is shared for research purposes
- sharing of imaging data in bilateral projects between hospitals and private companies

European Cancer Imaging Initiative

- comprehensive coverage in terms of cancer types
- cancer imaging data linked with clinical data; links to pathology, laboratory data, molecular data, genetic and genomic data are considered important
- each country's its national rules on privacy protection will have to be considered in connection with the GDPR regulation → various privacy protection mechanisms
- Ministries of Health, National Health Information Centers/bodies, National Cancer institutes, University Clinics, Radiology and other relevant societies and patient representatives involved in governance
- public and private sector collaboration in the area of cancer imaging is very important



Federated European infrastructure for cancer images data

DIGITAL Call: [DIGITAL-2022-CLOUD-AI-02](#) on Funding & Tenders Portal

Call opening date: 22 February 2022

Call closing date: 17 May 2022 17.00 CET

Objectives and scope

- establish and **deploy a pan-European digital infrastructure** facilitating access to cancer images and related patient data in full compliance with the applicable data protection requirements; **deployment of the infrastructure needed to link and explore** fragmented European **databases** of medical images of **different types of cancer**
- a **solid governance** and a **clear and sustainable business model** for gathering data and its exploitation by **public and private organisations**
- **targeted users:** clinicians, researchers and innovators
- **ultimate aim** of more precise and faster clinical decision making, diagnostics, treatments and predictive medicine

→ **simple grant at 50% co-funding rate, max. €18 million EU contribution, for 36-48 months**

→ for detailed description see **Topic: DIGITAL-2022-CLOUD-AI-02-CANCER-IMAGE** in [Call document](#)

→ Materials from [Information and Networking Session on 8 March 2022](#)