



# PANCAID Stakeholder Event

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EU funded cancer research: Horizon Europe - Cancer Mission

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Health  
and Digital  
Executive  
Agency

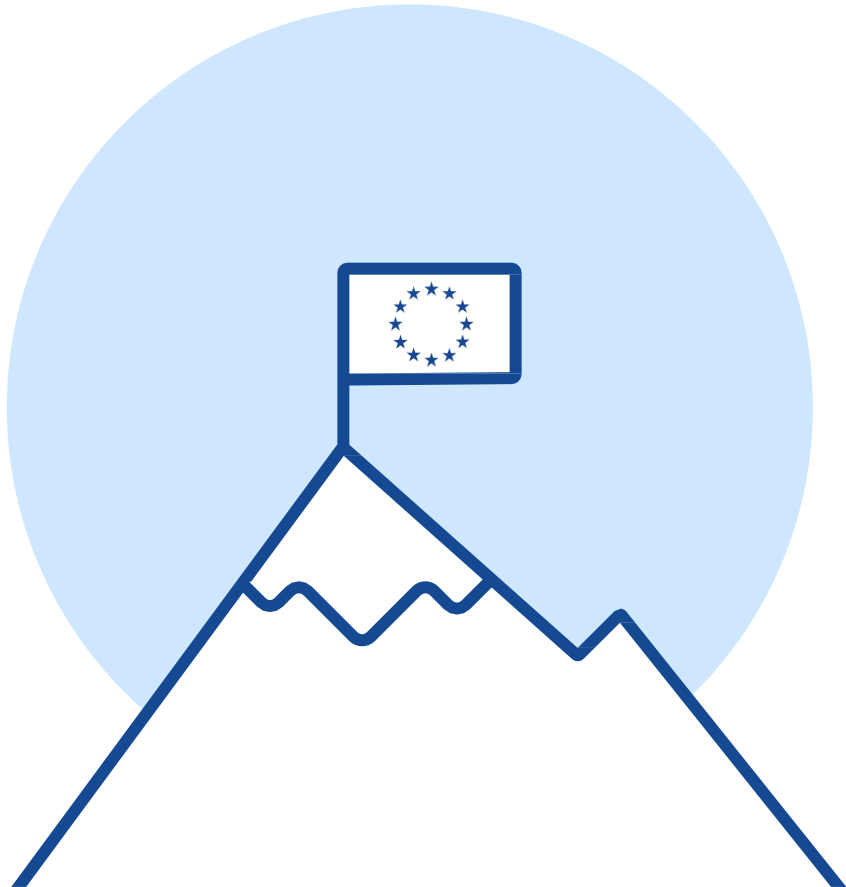
# In this presentation...

- HaDEA - granting authority for health research
- Horizon Europe - Health Research
- Horizon Europe - Cancer Mission & Project Clusters

# HaDEA - Who we are

# Health and Digital Executive Agency (HaDEA)

## Our purpose



## Vision

HaDEA – boosting Europe by building, from earth to space, a healthy society, a digital economy and a competitive industry.

## Mission

To implement actions that strengthen Europe in the domains of health, food safety, digital technologies and networks, industrial capacities and space.

We provide high quality and service-oriented support, with the aim to enable European society to become more healthy, resilient and fair and European industry to become more competitive.

We ensure that the projects funded by the HaDEA deliver concrete results that benefit the lives of all EU citizens and provide the European Commission with valuable input for its policies.

# HaDEA – What we do

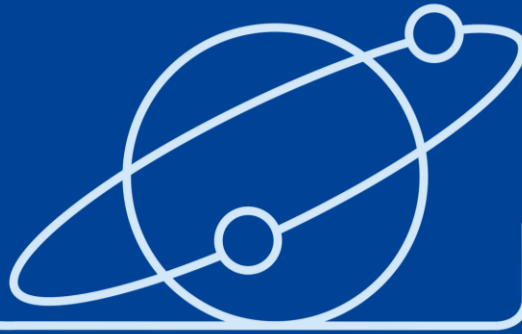
# Health and Digital Executive Agency (HaDEA)



Health



Food safety



Space

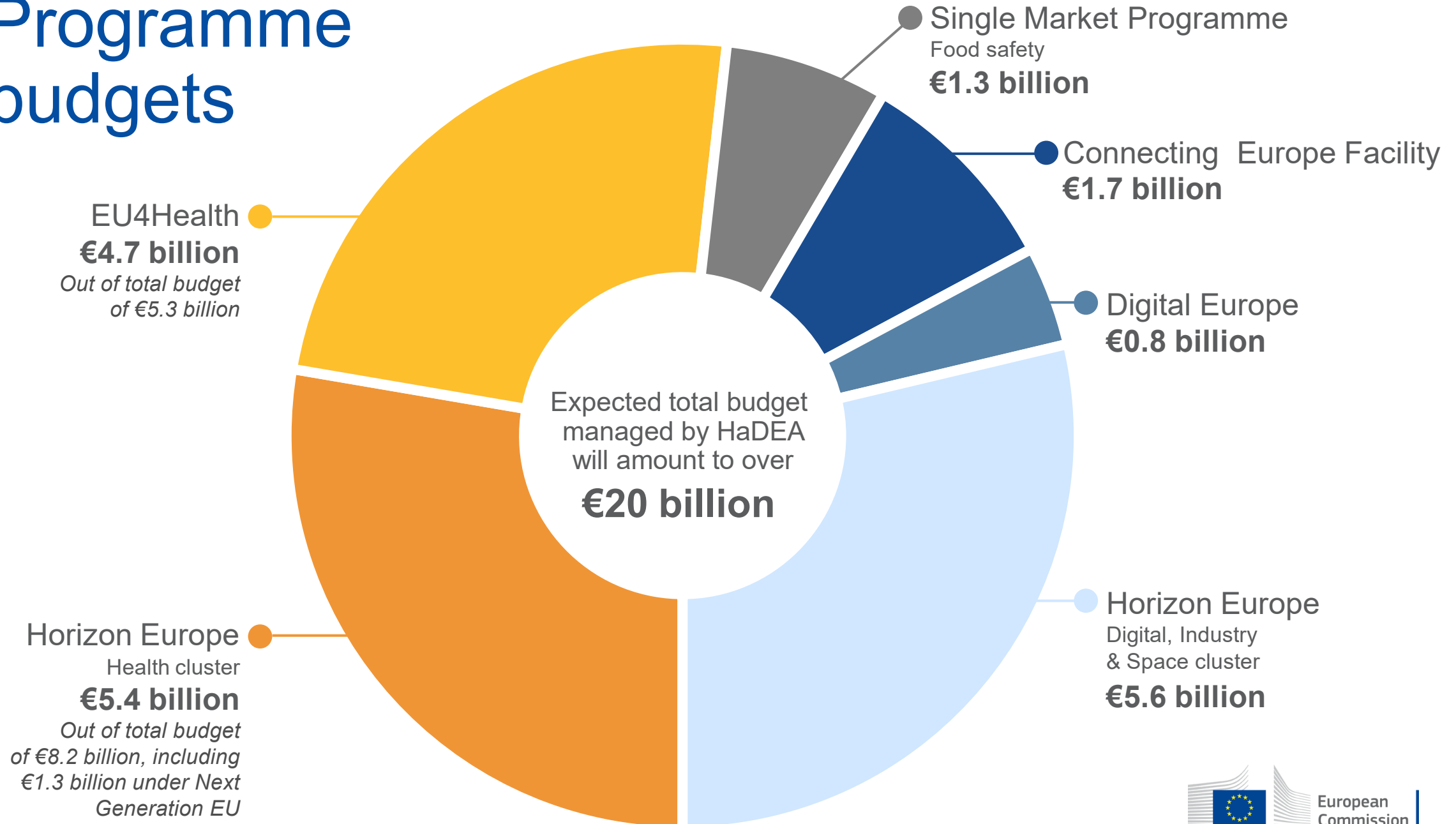


Industry



Digital

# Programme budgets



# Roles and responsibilities

## European Commission

Defines policy

- Defines strategy, objectives and priority areas/work programmes
- Makes programme decisions
- Selects projects for (co-)funding
- Evaluates the programme implementation and the Agency's performance



## HaDEA

Turns policy into action

- Manages the project lifecycle:
  - Organises calls for proposals and external evaluations
  - Monitors the implementation of projects
- Supports communication activities (Info Days, publications, etc.)
- Provides feedback to policy making



Horizon Europe

Health Research

# Horizon Europe €95.5 billion (2021-2027)

EURATOM

## SPECIFIC PROGRAMME: EUROPEAN DEFENCE FUND

*Exclusive focus on defence research & development*

Research actions

Development actions

## SPECIFIC PROGRAMME IMPLEMENTING HORIZON EUROPE & EIT\*

*Exclusive focus on civil applications*



### Pillar I EXCELLENT SCIENCE

European Research Council

Marie Skłodowska-Curie

Research Infrastructures



### Pillar II GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS

Clusters

- Health
- Culture, Creativity & Inclusive Society
- Civil Security for Society
- Digital, Industry & Space
- Climate, Energy & Mobility
- Food, Bioeconomy, Natural Resources, Agriculture & Environment

Joint Research Centre



### Pillar III INNOVATIVE EUROPE

European Innovation Council

European Innovation Ecosystems

European Institute of Innovation & Technology\*

## WIDENING PARTICIPATION AND STRENGTHENING THE EUROPEAN RESEARCH AREA

Widening participation & spreading excellence

Reforming & Enhancing the European R&I system

Fusion

Fission

Joint  
Research  
Centre  
(JRC)

\* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

# Horizon Europe: evolution not revolution

## Lessons Learned

from Horizon 2020 Interim Evaluation



Support breakthrough innovation



Create more impact through mission-orientation and citizens' involvement



Strengthen international cooperation



Reinforce openness



Rationalise the funding landscape



## Key Novelties

in Horizon Europe

European Innovation Council

R&I Missions



Extended association possibilities

Open science policy

New approach to Partnerships

Horizon Europe

Cancer Mission & project clusters



# Mission on Cancer

## Challenges

- **2.7 million people** in the EU are **diagnosed** each year
- **1.3 million people die** from cancer each year (this no. will increase)
- **Total cost of cancer** in Europe in 2018: €199 billion
- Impact of COVID-19 pandemic and war in Ukraine

### GOAL

**Improve the lives of more than 3 million people by 2030**, through prevention, cure and for those affected by cancer including their families, to live longer and better, jointly with the **Europe’s Beating Cancer Plan**

## Four Mission objectives

1. Understanding cancer
2. Prevention & early detection
3. Diagnosis and treatment
4. Quality of life

- **18 R&I priority areas, 4 transversal R&I priorities:**  
equity, innovation, childhood cancer and personalised medicine

- **EUR 365 million 2021-2023**  
- **Governance**



## Concrete actions

- Blueprint for UNCAN.eu platform (starting 2022)
- Blueprint for Cancer Patient Digital Centre (2023)
- Network of Comprehensive Cancer Infrastructures (2022 - 2023)
- R&I actions under each of the four mission objectives (2022 - 2023)
- Synergies (= cooperation between Cancer Mission and other initiatives at EU, national, regional, local level)

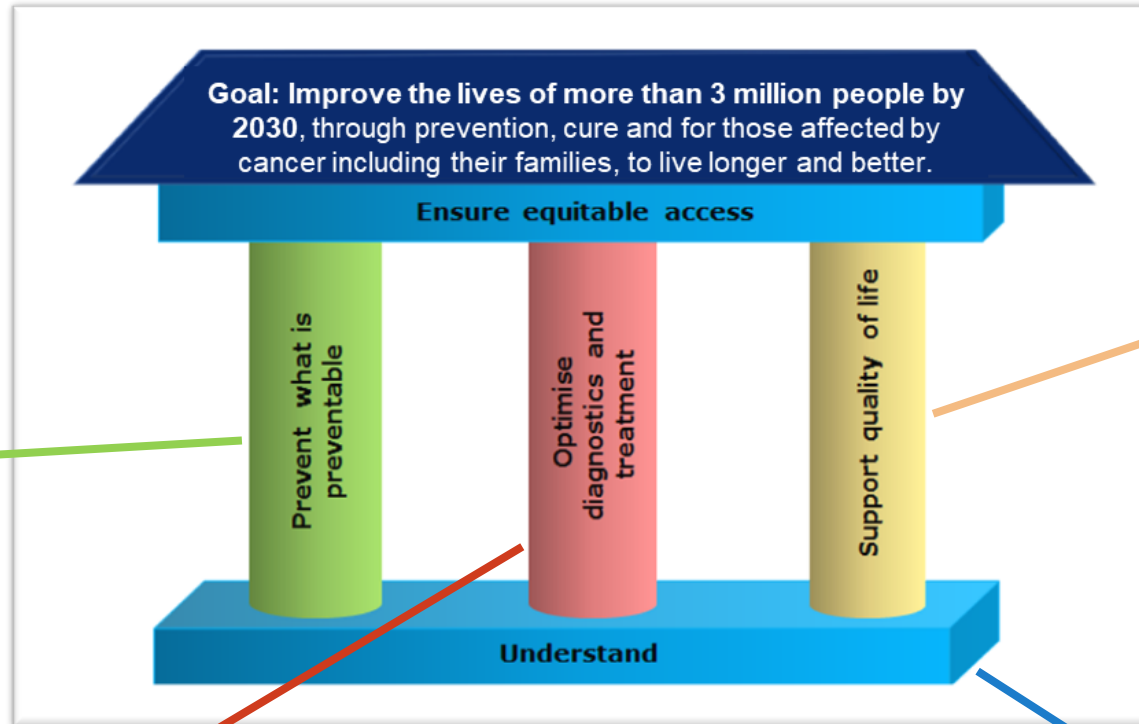
A mission is a portfolio of actions across disciplines intended to achieve a **bold, inspirational and measurable goal** within a set timeframe, with **impact** for society and policy making as well as relevance for a significant part of the European population and wide range of European citizens.



# Cancer Mission - WP2021-2022-2023-2024

## WP2025 – under preparation

- Develop new methods and technologies for screening and early detection  
HORIZON-MISS-2021-CANCER-02-01
- Improving and upscaling primary prevention of cancer through implementation research  
HORIZON-MISS-2022-CANCER-01-01
- Enhance cancer prevention through behaviour change  
HORIZON-MISS-2023-CANCER-01-02
- Early detection heritable cancers in European regions  
HORIZON-MISS-2024-CANCER-01-03
- Pragmatic clinical trials to optimise treatment for cancer patients  
HORIZON-MISS-2022-CANCER-01-03
- Strengthen research capacities of comprehensive cancer infrastructures  
HORIZON-MISS-2022-CANCER-01-02
- Pragmatic clinical trials minimally invasive diagnostics  
HORIZON-MISS-2023-CANCER-01-03
- Support a pragmatic clinical trial programme by cancer charities  
HORIZON-MISS-2024-CANCER-01-04



- Develop and validate a set of quality-of-life measures for cancer patients and survivors  
HORIZON-MISS-2021-CANCER-02-02
- Towards the creation of a European Cancer Patient Digital Centre  
HORIZON-MISS-2022-CANCER-01-04:
- Improve quality of life for survivors of childhood cancer (Best practices and tools)  
HORIZON-MISS-2023-CANCER-01-04
- Improving the understanding and management of late-effects in adolescents and young adults  
HORIZON-MISS-2024-CANCER-01-05
- An information portal for the European Cancer Patient Digital Centre  
HORIZON-MISS-2024-CANCER-01-06
- Preparing UNCAN.eu, a European initiative to understand cancer  
HORIZON-MISS-2021-UNCAN-01-01
- Better understand healthy versus cancer cells at individual and population level  
HORIZON-MISS-2021-CANCER-02-03
- Better understand tumour-host interactions in cancer patients  
HORIZON-MISS-2023-CANCER-01-01
- Use cases for the UNCAN.eu research data platform  
HORIZON-MISS-2024-CANCER-01-01

- Creation of national cancer mission hubs - HORIZON-MISS-2022-CANCER-01-05
- National cancer data nodes - HORIZON-MISS-2024-CANCER-01-02



## Mission project clusters – why, what and how

- **Clusters – rationale and aims:**
  - Support Mission objectives
  - Create added value
  - Increase impact of EU funding
  - Contribute to policy feedback loop
- **Clusters – EU-funded consortia and EC agree on areas with added value, such as:**
  - Data Management
  - Research & Innovation
  - Communication & Dissemination
  - Citizen Engagement
  - Addressing inequalities
  - Research Capacity Building
  - Cancer Mission Hubs



# Mission project clusters - areas

- **Four project clusters-areas have been established**
  - Cluster 1 Understanding (risk factors & determinants) – *launched Sep 2022*
  - Cluster 1 Understanding (tumour-host interactions) – *launched Sep 2023*
  
  - Cluster 2 Prevention & early detection (screening) – *launched Sep 2022*
  - Cluster 2 Prevention & early detection (implementation research) – *launched Jan 2023*
  - Cluster 2 Prevention & early detection (behavioural change) – *launched Sep 2023*
  
  - Cluster 3 Diagnosis and Treatment (refractory cancers) – *lunched Jan 2023*
  - Cluster 3 Diagnosis & Treatment (diagnostics) – *launched Sep 2023*
  
  - Cluster 4 Quality of Life – *launched Sep 2023*



# Thank you

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Slide 6: photo 3, source: Unsplash

