



# HORIZON EUROPE

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## THE EU RESEARCH & INNOVATION PROGRAMME

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2021 – 2027

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### Cyprus National Info Day: Cluster 1: "Health" Work Programme 2023-24



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Health Innovations & Ecosystems Unit  
People Directorate,  
Directorate-General for Research and  
Innovation

# Horizon Europe

aims of the Commission's **€ 100 billion** research and innovation funding programme for seven years (2021-2027)



to strengthen the EU's scientific and technological bases



to boost Europe's innovation capacity, competitiveness and jobs



to deliver on citizens' priorities and sustain our socio-economic model and values

Additional **€ 4.1 billion** are allocated for defence research, in a separate proposal for a European Defence Fund

# Health in Horizon Europe

# HORIZON EUROPE

# 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 - €58.9 billion  
GLOBAL CHALLENGES & EUROPEAN INDUSTRIAL COMPETITIVENESS**

**Clusters**

- Health – €8.25 billion
- 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 Center (JRC)

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

# Horizon Europe – funding modalities

- **Grants to individual researchers/fellows, teams, infrastructures, innovators** under Pillar 1 (ERC, MSCA) and Pillar 3 (EIC)  
→ bottom-up open competition
- **Grants to collaborative R&I projects** (Pillar 2, incl. Cluster 1 ‘Health’)  
→ top-down open competition by multi/international consortia proposing projects on specific topics in response to calls for proposals
- **Grants to contracting authorities/entities** (Pillar 2, incl. Cluster 1 ‘Health’)  
→ for pre-commercial procurement of R&I services and procurement of innovative solutions
- **Partnerships** between R&I investors and funders (Pillar 2 and Pillar 3, incl. Cluster 1 ‘Health’)
- **Missions** driven by inspirational goals for impact (Pillar 2, incl. mission on cancer)
- **Synergies** with EU4Health, Digital Europe Programme, InvestEU, other





# Horizon Europe – 49 European Partnerships

## Partnerships

- Strategic Plan identifies 49 co-programmed and co-funded partnerships:
  - public-public;
  - public-private;
  - global initiatives.
- EC proposals for 10 institutionalised partnerships based on Art 185/187 (23 Feb 2021)
- HE partnerships website:

[https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/european-partnerships-horizon-europe\\_en](https://research-and-innovation.ec.europa.eu/funding/funding-opportunities/funding-programmes-and-open-calls/horizon-europe/european-partnerships-horizon-europe_en)



-  Institutionalised Partnerships (Art 185/7)
-  Institutionalised Partnerships / EIT KICs
-  Co-Programmed
-  Co-Funded

\* Calls with opening dates in 2021-22

\*\* Calls with opening dates in 2023-24

# Horizon Europe – 5 Missions Areas



Adaptation to climate change, including societal transformation



**Cancer**



Healthy oceans, seas, coastal & inland waters



Climate-neutral & smart cities



Soil health & food

## Mission on Cancer

- 5 intervention areas (+ cross-cutting actions)

*Goal: by 2030, more than 3 million lives saved, living longer and better*

Understanding

Prevention

Diagnostic and Treatment

Quality of Life

Equitable Access

Cross-Cutting Actions

# Synergies with other Union programmes

HORIZON EUROPE			
Other Union Programmes, including			
Common Agricultural Policy	InvestEU	ESF+	Innovation Fund
External Instrument	LIFE	Digital Europe	Internal Security Fund and Instrument for Border Management
Maritime & Fisheries Fund	<b>EU4Health</b>	Space Programme	Single Market Programme
Connecting Europe Facility	ERDF	ERASMUS+	Recovery and Resilience Facility
Just Transition Mechanism		Creative Europe	



**Enhanced synergies**

**COMPATIBILITY**  
Harmonisation of funding rules; flexible co-funding schemes; pooling resources at EU level

**COHERENCE & COMPLEMENTARITY**  
Alignment of strategic priorities in support of a common vision



# HORIZON EUROPE WP 2023-2024 SYNERGIES WITH THE EU4HEALTH PROGRAMME

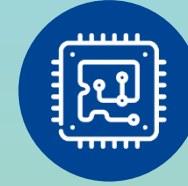
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Disease Prevention & Health Promotion



Non-Communicable Diseases



Digital Health



Health Systems



Mental Health

# Structure of the WP 2023-2024

## Work programme 2023-2024 – Cluster 1 ,Health‘



### KEY STRATEGIC ORIENTATIONS FOR R&I

**KSO A:** Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains

**KSO D:** Creating a more resilient, inclusive and democratic European society

### IMPACT AREAS

Competitive and secure data-economy  
High quality digital services for all

A resilient EU prepared for emerging threats  
Good health and high-quality accessible healthcare

# Structure of the WP 2023-2024

## Work programme 2023-2024 – Cluster 1 ,Health‘



### KEY STRATEGIC ORIENTATIONS FOR R&I

**KSO A: Promoting an open strategic autonomy by leading the development of key digital, enabling and emerging technologies, sectors and value chains**

**KSO D: Creating a more resilient, inclusive and democratic European society**

### EXPECTED IMPACTS

5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society
6. Maintaining an innovative, sustainable and globally competitive health-related industry

1. Staying healthy in a rapidly changing society
2. Living and working in a health-promoting environment
3. Tackling diseases and reducing their burden
4. Ensuring access to innovative, sustainable & high-quality health care



How will Cluster 1 of Horizon Europe make a difference?

# Horizon Europe – Cluster 1 ‘Health’

Strategic Plan 2021-24 → 6 Expected Impacts

= 6 “Destinations” of :

## Work Programme 2023-24

1. Staying healthy in a rapidly changing society
2. Living and working in a health-promoting environment
3. Tackling diseases & reducing disease burden
4. Ensuring access to innovative, sustainable & high-quality healthcare
5. Unlocking the full potential of new tools, technologies and digital solutions for a healthy society
6. Maintaining an innovative, sustainable & globally competitive health industry

## → Topics (Calls)

Focus on outcomes contributing to the impacts specified per Destination

Project proposals should

- make a **clear case** (*value proposition*)
- supported by a **convincing trajectory** (*pathway to impact*) for the project proposal to deliver the **output**, promote the **outcome** described in the topic, and contribute to the **impact** expected under that destination.



# Destination 1: Staying healthy in a rapidly changing society

**Call – Staying Healthy (Single stage - 2023) - (€40 million-RIA)**

**1 topic**

- The Silver Deal - Person-centred health and care in European regions

**Call – Staying Healthy (Two stage - 2024) – (€80 million)**

**2 topics**

- Towards a holistic support to children and adolescents' health and care provisions in an increasingly digital society (€30 million - RIA)
- Personalised prevention of non communicable diseases - addressing areas of unmet needs using multiple data sources (€50 million- RIA)

# Destination 2: Living and working in a health-promoting environment

4 topics

Call – Environment and health (Single stage - 2023) – (€103 million)

- Planetary health: understanding the links between environmental degradation and health impacts - (€30 million –RIA)
- Evidence-based interventions for promotion of mental and physical health in changing working environments (post-pandemic workplaces) - (€30 million - RIA)
- Health impacts of endocrine-disrupting chemicals: bridging science-policy gaps by addressing persistent scientific uncertainties - (€40 million-RIA)
- Global coordination of exposome research - (€3 million - CSA)

# Destination 2: Living and working in a health-promoting environment

**Call – Environment and health (Two stage - 2024) – (€60 million - RIA)**

**1 topic**

- The role of environmental pollution in non-communicable diseases: air, noise and light and hazardous waste pollution



# Destination 3: Tackling diseases & reducing disease burden

Call – Tackling diseases (Single stage - 2023) - (€224 million)

8 topics

- Novel approaches for palliative and end-of life care for non-cancer patients (€50 million -RIA)
- Interventions in city environments to reduce risk of non-communicable disease (Global Alliance for Chronic Diseases - GACD) (€20 million - RIA)
- Pandemic preparedness and response: Broad spectrum anti-viral therapeutics for infectious diseases with epidemic potential (€50 million - RIA)
- Pandemic preparedness and response: Sustaining established coordination mechanisms for European adaptive platform trials and/or for cohort networks (€3 million - CSA)
- Towards structuring brain health research in Europe (€1 million - CSA)
- Relationship between infections and noncommunicable diseases (€30 million - RIA)
- Pandemic preparedness and response: Understanding vaccine induced-immunity (€20 million - RIA)
- Pandemic preparedness and response: Immunogenicity of viral proteins of viruses with epidemic and pandemic potential (€50 million -RIA)

# Destination 3: Tackling diseases & reducing disease burden

## Call – Tackling diseases (Two stage - 2024) (€125 million)

4 topics

- Comparative effectiveness research for healthcare interventions in areas of high public health need (€45 million-RIA)
- Pandemic preparedness and response: Adaptive platform trials for pandemic preparedness (€30 million -RIA)
- Validation of fluid-derived biomarkers for the prediction and prevention of brain disorders (€25 million -RIA)
- Tackling high-burden for patients, under-researched medical conditions (€25 million - RIA)

## Call – Tackling diseases (Single stage - 2024) (€52 million)

2 topics

- Pandemic preparedness and response: Maintaining the European partnership for pandemic preparedness (€2 million - CSA)
- Pandemic preparedness and response: Hostpathogen interactions of infectious diseases with epidemic potential (€50 million - RIA)

# Destination 3: Tackling diseases & reducing disease burden

## Call – Partnerships in Health (2023) - (€50 million- COFUND)

- European Partnership on Rare Diseases

## Partnerships in Health (2024) (€100 million - COFUND)

- European Partnership : One Health Antimicrobial Resistance

### Scope:

- Contribute to the priorities set in the European One Health Action plan fight AMR

# Destination 4: Ensuring access to innovative, sustainable & high-quality healthcare

3 topics

Call - Ensuring access to innovative, sustainable & high-quality healthcare  
(Single stage – 2023) - (€60 million)

- Maintaining access to regular health and care services in case of cross-border emergencies (€20 million -RIA)
- Resilience and mental wellbeing of the health and care workforce (€20 million -RIA)
- Environmentally sustainable and climate neutral health and care systems (€20 million -RIA)

# Destination 4: Ensuring access to innovative, sustainable & high-quality healthcare

**Call – Partnerships in Health (2023) - (€100 million -COFUND)**

European Partnership on Personalised Medicine

**Call - Ensuring access to innovative, sustainable & high-quality healthcare  
-Two stage – 2024 (€30 million - RIA)**

**1 topic**

- Access to health and care services for people in vulnerable situations

# Destination 5: Unlocking the full potential of new tools, technologies and digital solutions for a healthy society

Call – Tools and technologies for a healthy society (Single stage - 2023) – (€214 million)

6 topics

- Clinical trials of combined Advanced Therapy Medicinal Products (ATMPs) (€50 million -RIA)
- Integrated, multi-scale computational models of patient patho-physiology ('virtual twins') for personalized disease management (€50 million - RIA)
- Better integration and use of health-related real world and research data, including genomics, for improved clinical outcomes (€35 million - RIA)
- Harnessing the potential of real-time data analysis and secure Point-of-Care computing for the benefit of person-centred health and care delivery (€35 million - IA)
- Pandemic preparedness and response: In vitro diagnostic devices to tackle cross-border health threats (€40 million - IA)
- Developing a Data Quality and Utility Label for the European Health Data Space (€4 million - CSA)

# Destination 5: Unlocking the full potential of new tools, technologies and digital solutions for a healthy society

**Call – Tools and technologies for a healthy society (Single stage - 2024)– (€25 million -RIA)**

**1 topic**

- Bio-printing of living cells for regenerative medicine

**Call – Tools and technologies for a healthy society (Two stage - 2024) – (€25 million -RIA)**

**1 topic**

- Innovative non-animal human-based tools and strategies for biomedical research

# Destination 6: Maintaining an innovative, sustainable & globally competitive health industry

5 topics

Call - A competitive health-related industry (Single stage - 2023) – (€56 million)

- Supporting the uptake of innovative Health Technology Assessment (HTA) methodology and advancing HTA expertise across EU (€5 million -CSA)
- Expanding the European Electronic Health Record exchange Format to improve interoperability within the European Health Data Space (€8 million -RIA)
- Modelling and simulation to address regulatory needs in the development of orphan and paediatric medicines (€25 million - RIA)
- Mapping the hurdles for the clinical applications of Advanced Therapy Medicinal Products (ATMPs) (€3 million -CSA)
- Development and harmonisation of methodologies for assessing digital health technologies in Europe (€15 million - RIA)



# Destination 6: Maintaining an innovative, sustainable & globally competitive health industry

2 topics

**Call - A competitive health-related industry (Single stage - 2024) – (€12 million)**

- Developing EU methodological frameworks for clinical/performance evaluation and post-market clinical/performance follow-up of medical devices and in vitro diagnostic medical devices (IVDs) (€10 million -RIA)
- Gaining experience and confidence in New Approach Methodologies (NAM) for regulatory safety and efficacy testing – coordinated training and experience exchange for regulators (€2 million - CSA)

# Horizon Europe – Cluster 1 ,Health‘

## Timelines for calls WP 2023-2024: Topics/Calls in 2023)

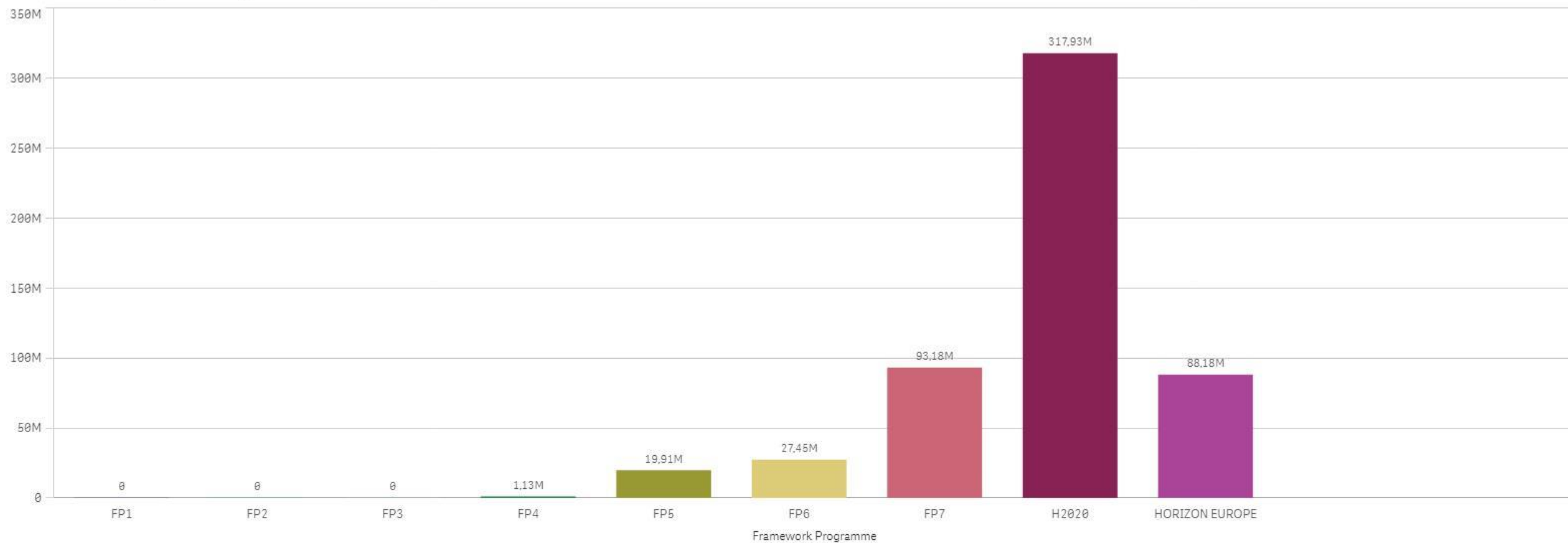
- Opening of calls: 12 January 2023
- Closure of calls (deadline) : 13 April 2023 <sup>(1)</sup>
- Informing applicants of shortlisted proposals: early August 2023

(1) Except: “HORIZON-HLTH-2023-DISEASE-07-01: European Partnership on Rare Diseases”, closing on 19 September 2023

*Disclaimer: information not legally binding*

# Cyprus participation

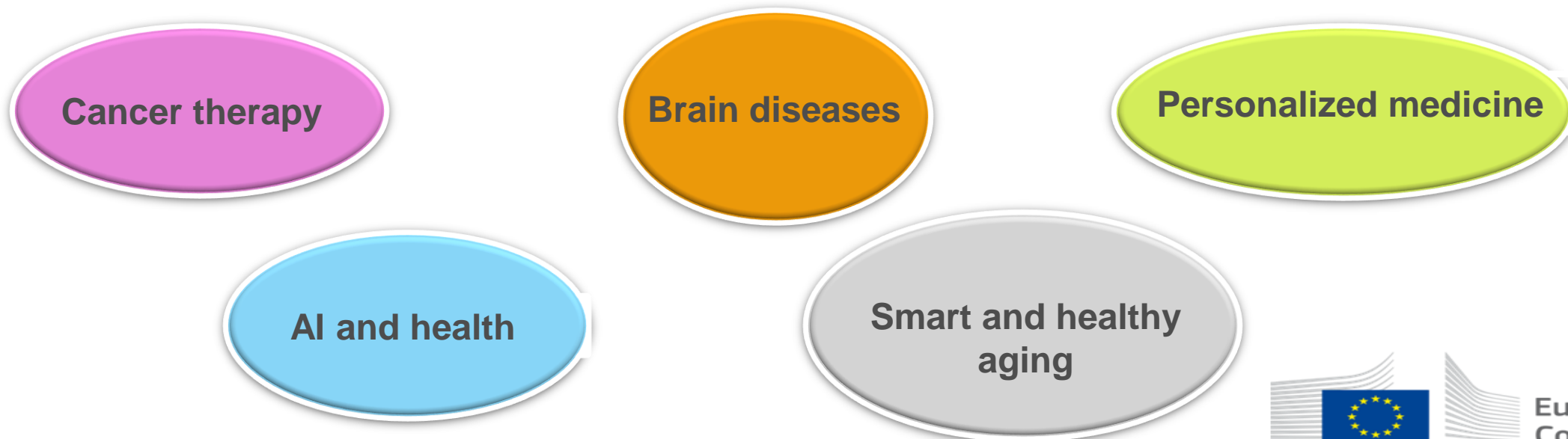
EU Contribution (EUR) across Programmes



# Cyprus participation – Cluster 1 "Health"

	No projects	Sum of Participant Requested EU Contrib
HORIZON 2020	51	15.639.418,04
HORIZON EUROPE	23	6.275.291,26
<b>Total</b>	<b>74</b>	<b>21.914.709,30</b>


## Thematic areas



COMING SOON

## Horizon Europe info day - Cluster 1

This info day aims to inform (potential) applicants about topics included in the Cluster 1 'Health' work programme of 2023

 19 January 2023

 08:30 (GMT+01:00)

862 members are attending  
this event

Log in

Register now >

### Ask questions

Questions can be [submitted via Slido](#), under the corresponding destination by using #CL1INFODAY.

All of the questions submitted will be answered live during the event.

<https://research-innovation-community.ec.europa.eu/events>



#HorizonEU

INFO DAYS 2023  
**BROKERAGE  
EVENT**  
CLUSTER | HEALTH

THE EU RESEARCH & INNOVATION PROGRAMME 2021 - 2027

20 January 2023

**CLUSTER Health - Horizon  
Europe Brokerage Event  
2023**

**Don't miss the opportunity to get involved in the  
next Horizon Europe 2023 Health proposals!**  
**Friday, 20th January 2023 | 09:30 - 17:30 CET**

This international partnering event will help you to  
build your consortium for the upcoming 2023 calls of  
the **2023-2024 Health and Mission Cancer Work  
Programmes.**

<https://cluster-health-horizon-europe-brokerage2023.b2match.io/>





# Thank you!

## #HorizonEU

<http://ec.europa.eu/horizon-europe>



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