

Horizon Europe Programme - Health

[NCP Cluster 1 Health](#)

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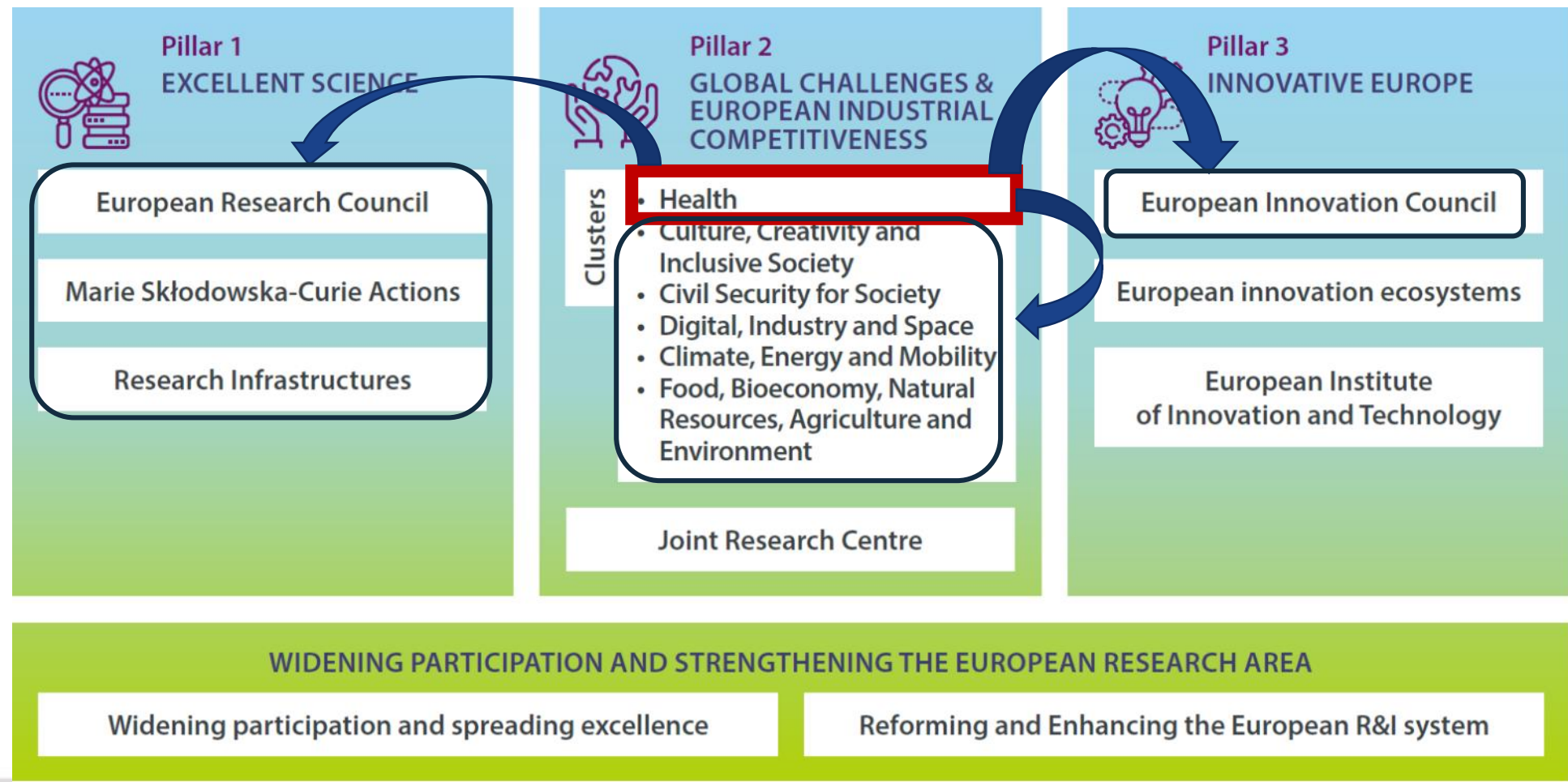
17 luglio 2023





«Health» in Horizon Europe

Health in other clusters of Pillar 2: bottom up versus topdown approach



Clinical Validation of an AI-based approach to improve the shared decision-making process and outcomes in Breast Cancer Patients proposed for Locoregional treatment

Fact Sheet

[HORIZON-HLTH-2021-DISEASE-04-04 - Clinical validation of artificial intelligence \(AI\) solutions for treatment and care](#)

Project description



Predicting the aesthetic outcome of breast cancer surgery

Treatment of breast cancer usually involves surgery that varies depending on the individual tumour, the size and shape of the breasts or personal wishes. Breast-conserving surgery and mastectomy with or without breast reconstruction or lymph node removal are among the available options. Additionally, radiotherapy can be applied to optimise locoregional control. However, there is currently no way of recapitulating the aesthetic outcome following locoregional treatments for breast cancer. The EU-funded CINDERELLA project proposes to create an easy-to-use application based on AI that uses a clinical database and performs picture and biometric matching to create images that simulate to the patient the outcome of surgery. The platform called CINDERELLA APPROACH will reinforce the role of the patient in clinical decision-making.

Show the project objective

Project Information

CINDERELLA

Grant agreement ID: 101057389

DOI

10.3030/101057389 [↗](#)

Start date

1 June 2022

End date

31 May 2026

Funded under

Health

Total cost

€ 5 379 050

EU contribution

€ 5 378 299



Coordinated by

FUNDACAO D. ANNA DE SOMMER CHAMPALIMAUD

Cataract Simulator Diagnostics Device Development Using Computational Holographic Displays

Fact Sheet

[HORIZON-EIC-2021-TRANSITIONCHALLENGES-01-01 - Medical Technology and Devices: from Lab to Patient](#)

Project description



Computational holography to assist cataract surgery

A cataract is a cloudy area in the lens of the eye causing blurry or distorted vision. Cataracts are common in the ageing population and can only be removed with surgery where the cloudy lens is replaced with an artificial one. To predict the outcome of surgery, the KATSIM project, funded by the European Innovation Council, proposes the development of a computational holography approach to simulate vision in patients with cataract. KATSIM will develop the first cataract simulator that will allow clinicians to choose the right replacement lens for each individual patient.

[Show the project objective](#)

Fields of science

medical and health sciences > clinical medicine > surgery

Project Information

KATSIM

Grant agreement ID: 101057672

DOI

[10.3030/101057672](https://doi.org/10.3030/101057672)

Start date

1 April 2022

End date

31 March 2025

Funded under

The European Innovation Council (EIC)

Total cost

€ 2 010 200

EU contribution

€ 2 010 200



Coordinated by

KOC UNIVERSITY

Turkey



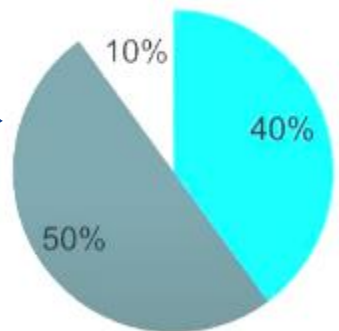
HORIZON EUROPE (2021 – 2027)

€ 95,5 billion

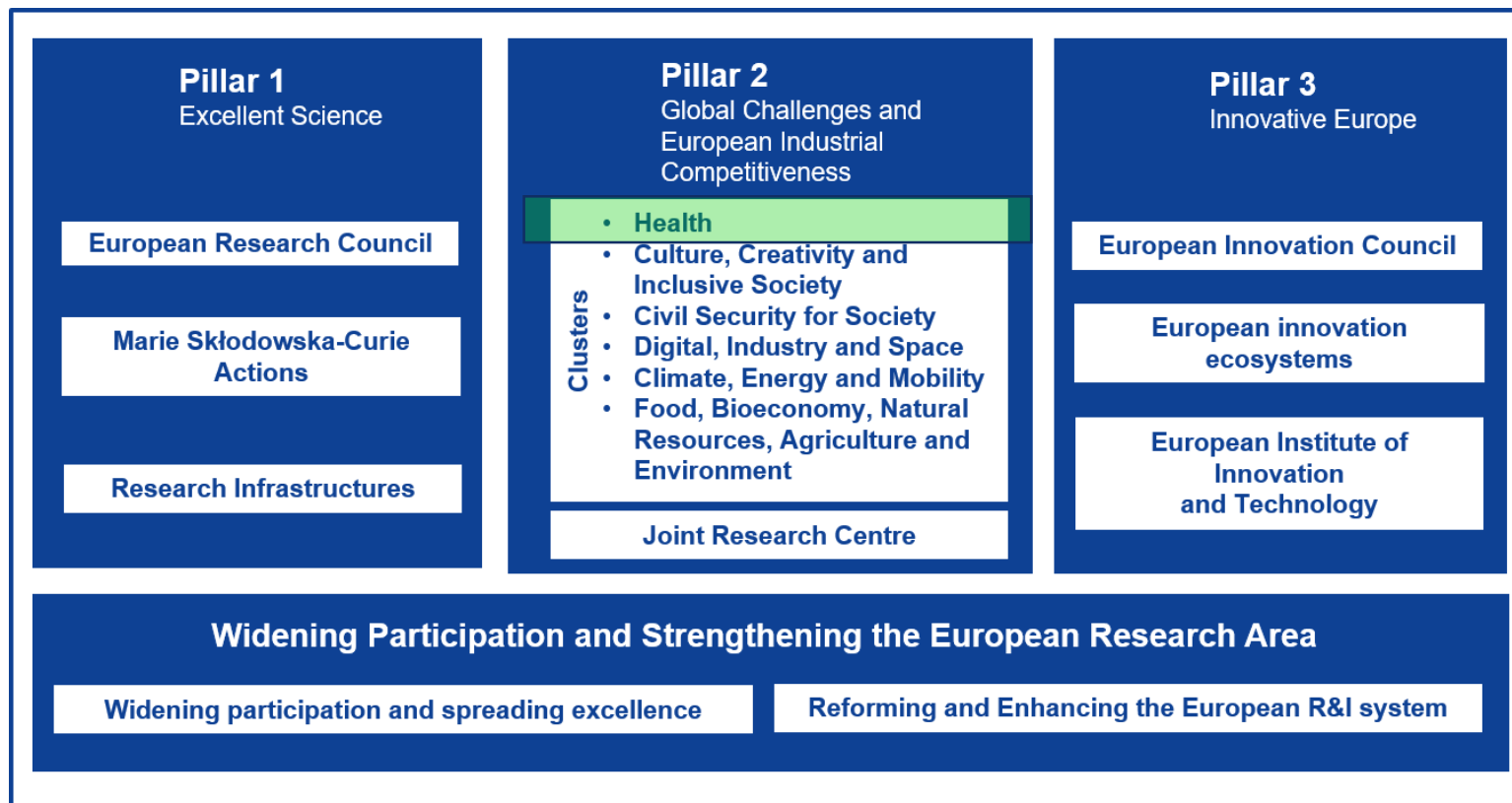
Pillar 2: € 53,52 bn

Health: € 8,25 bn

(15% of all Clusters)

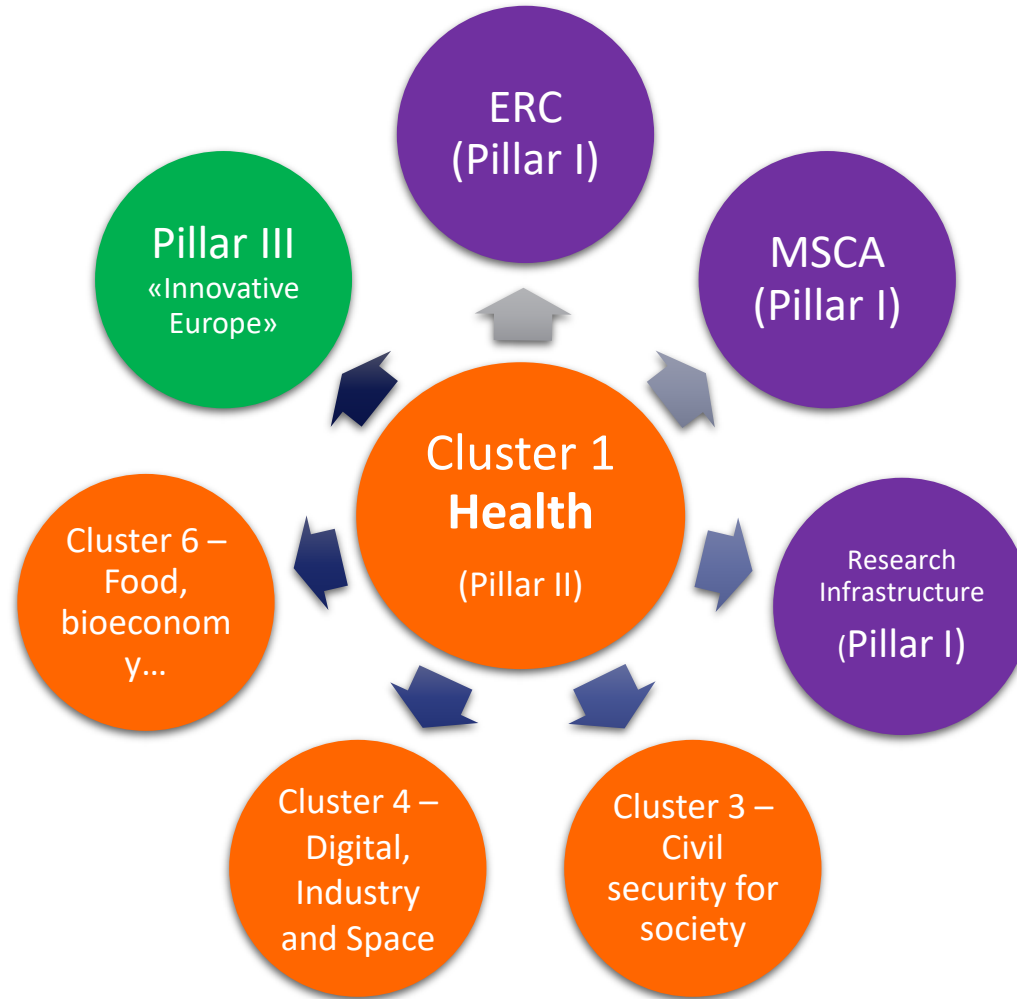


- Project based research
- Partnerships
- Missions





COMPLEMENTARITIES WITH OTHER PILLARS AND CLUSTERS



CLUSTER 1 HEALTH

Overview della
partecipazione italiana 2021/2022





CLUSTER HEALTH CALL 2021 + 2022* | COMPETIZIONE EUROPEA

Paesi	# Partecipazione	€ Contributo finanziario	# Rientro	€ Rientro
DE	228	157.821.566 €	10,6%	12,6%
NL	175	133.619.445 €	8,1%	10,7%
IT	182	121.151.115 €	8,4%	9,7%
FR	133	119.249.904 €	6,2%	9,5%
ES	238	115.040.714 €	11,0%	9,2%
UK	169	97.213.656 €	7,8%	7,8%
BE	168	71.608.533 €	7,8%	5,7%

**ITALIA #
3° posto**

**ITALIA €
3° posto**

**risultati sui topics two-stages 2022 non disponibili ad oggi*



CLUSTER 1 | Overview Work Programme 2023 - 24

Versione WP:
Luglio 2022

Prossimo
Comitato di
Programma:
26/27 ottobre
2022

Adozione:
25 o 28 Novembre

Scadenze

'23 3	13 Aprile e 19 Settembre
'24 4	19 Sett 2023 e 11 Apr 2024

Topic

'23 3	29
'24 4	15
'23 '24	44

Budget

'23 3	847 mln €
'24 4	509 mln €

MISSION CANCER 2021 + 2022 | COMPETIZIONE EUROPEA



Paesi	# Partecipazione	€ Contributo finanziario	# Rientro	€ Rientro
BE	79	46.727.357 €	10%	13%
ES	106	41.518.409 €	13%	12%
FR	70	39.306.305 €	8%	10.9%
IT	81	38.028.979 €	10%	10.6%
DE	72	37.827.567 €	9%	10.5%
IL	31	31.509.835 €	4%	9%
EL	41	22.372.868 €	5%	6%

**ITALIA #
2° posto**

**ITALIA €
4° posto**



MISSION CANCER 2021 + 2022 |

COORDINAMENTI



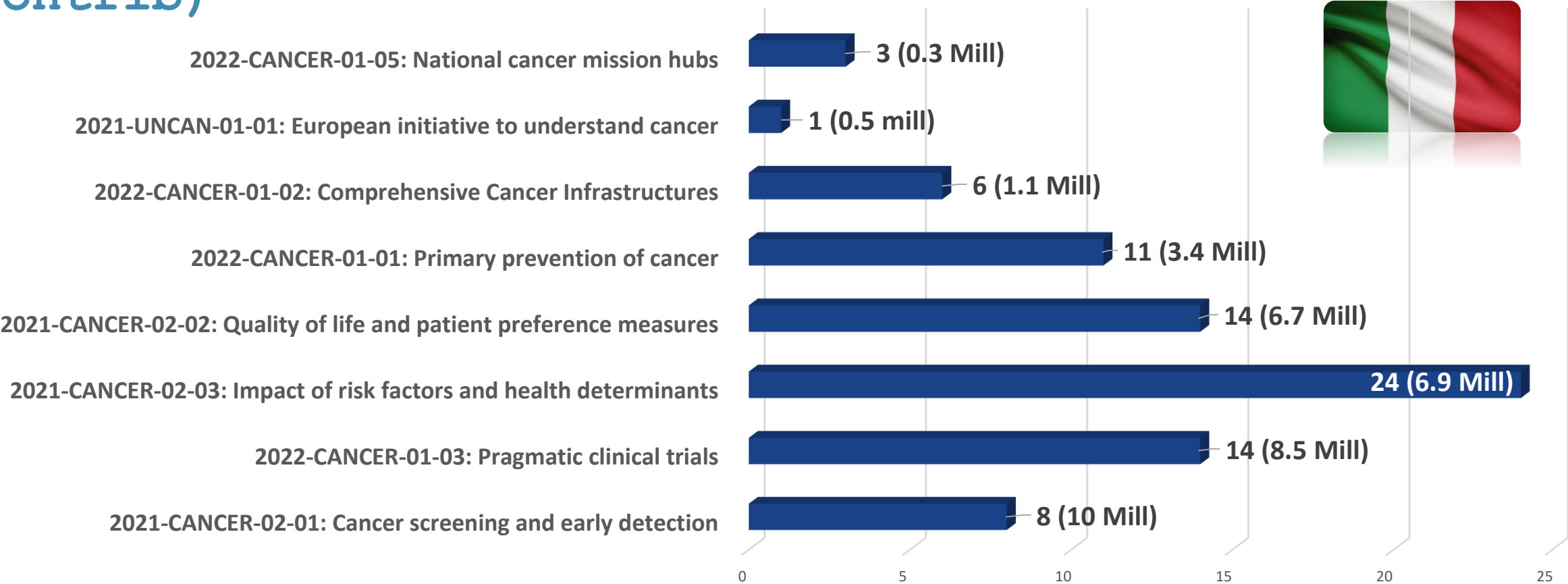
Paesi	# Coordinamenti	€ Contributo finanziario
BE	6	19.771.322 €
IT	7	15.812.839 €
IL	6	14.359.700 €
EL	6	8.477.333 €
FR	5	6.891.748 €
ES	5	5.757.679 €
DE	3	4.687.948 €

**ITALIA #
1° posto**

**ITALIA €
2° posto**



MISSION CANCER 2021 + 2022 | IT PERFORMANCE per TOPIC (partecipazioni | EU Contrib)





Main Types of Action

Action	Funding*	Main Characteristics
RIA – Research & Innovation Action	100% + 25%	Basic and applied research, technology development and integration, testing, demonstration and validation on small-scale prototype in laboratory or simulated environment
IA – Innovation Action	70% + 25%	Prototyping, testing, demonstrating, piloting, large-scale product validation and market replication
CSA - Coordination & Support Action	100% + 25%	Networking, coordination or support services, policy dialogues and mutual learning exercises and studies

* Not for profit – always 100%



SPECIFIC OBJECTIVES

Cluster Health

CLUSTER 1. Health

*Improving and protecting the health of citizens at all ages, by developing innovative solutions to **prevent, diagnose, monitor, treat and cure** diseases; mitigating health risks, protecting populations and promoting good health; making **public health systems** more cost-effective, equitable and sustainable; and supporting and enabling patients' participation and **self-management**.*

Areas of intervention



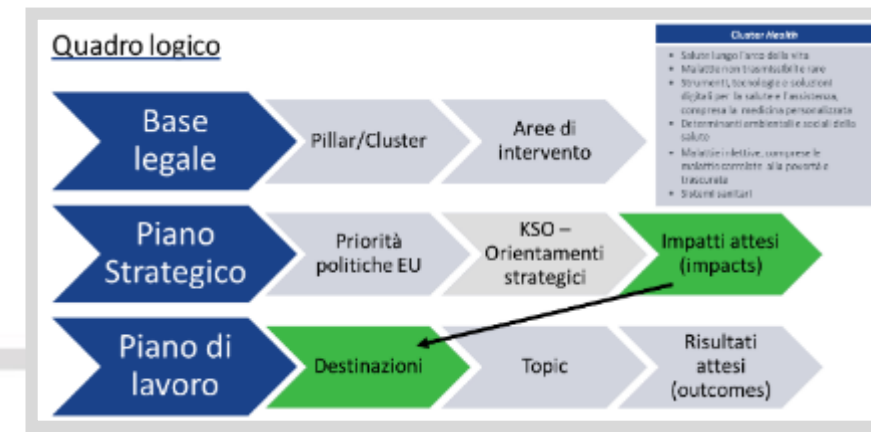
- ▣ Health throughout the life course
- ▣ Non-communicable and rare diseases
- ▣ Tools, technologies and digital solutions for health and care, including personalised medicine
- ▣ Environmental and social health determinants
- ▣ Infectious diseases, including poverty-related and neglected disease
- ▣ Health care systems



WORK PROGRAMME “HEALTH” 2023-2024

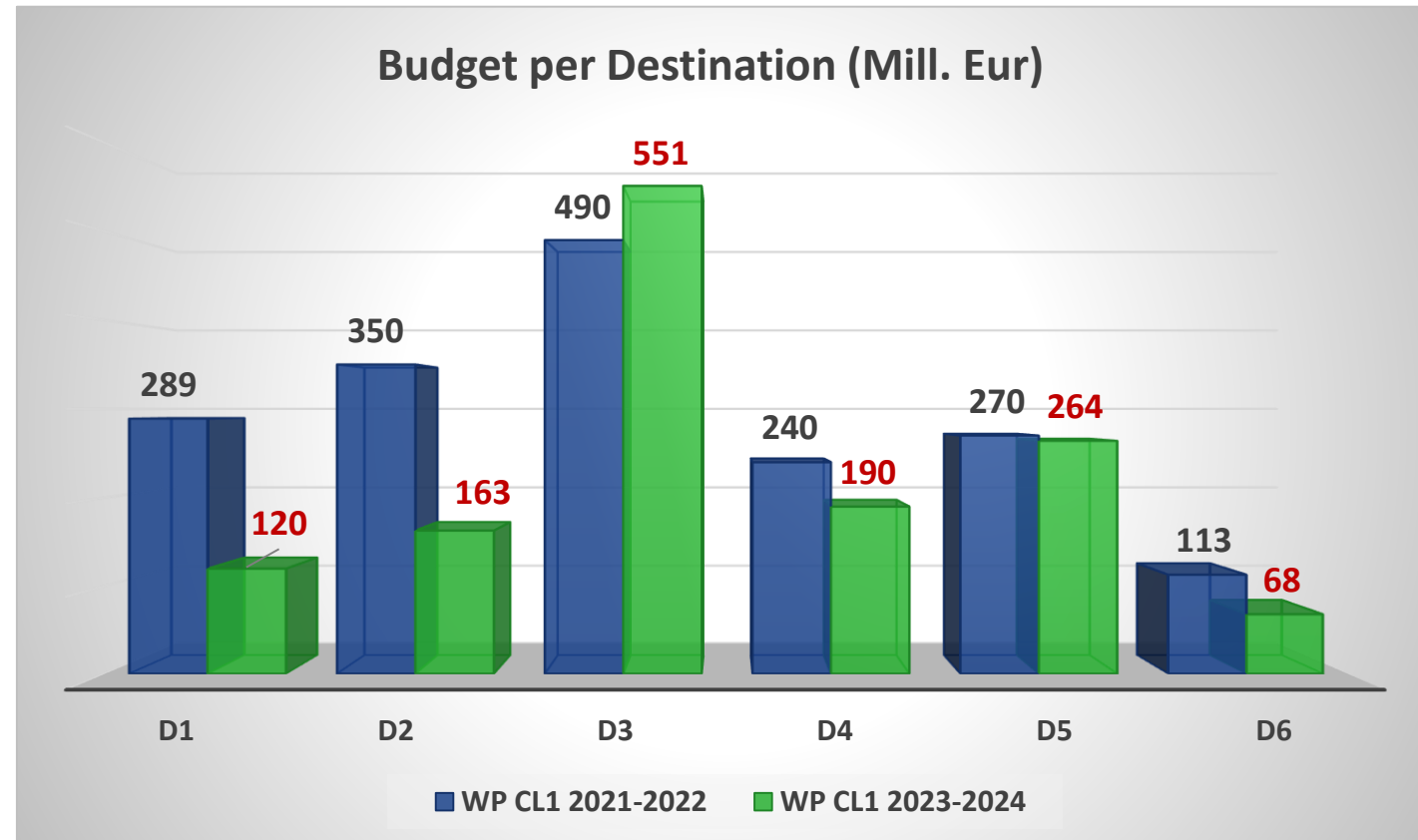
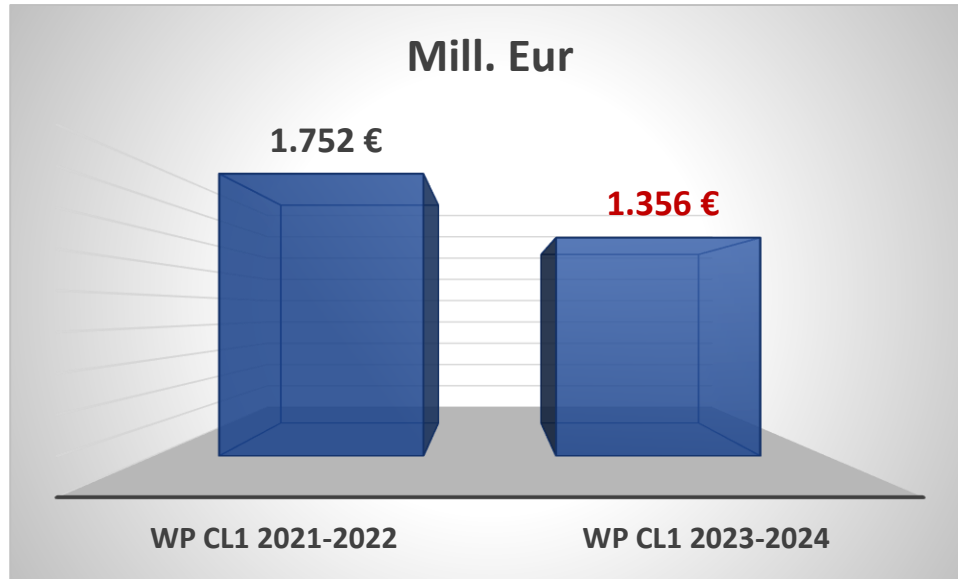
6 Destinations

1. **Staying Healthy in a rapid changing society**
2. **Living and working in a health-promoting environment**
3. **Tackling diseases and reducing disease burden**
4. **Ensuring access to innovative, sustainable and high-quality health care**
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 industry**





BUDGET IN WPS AND PER DESTINATIONS*





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CLUSTER HEALTH | DESTINATION 1

🏠 Staying healthy in a rapidly changing society

- Affronta le principali sfide sociali come l'**obesità**, l'**invecchiamento** e il cambiamento demografico, la **salute mentale**, l'empowerment nell'ambito della **digital health literacy**, la **prevenzione personalizzata** e l'Intelligenza Artificiale applicata alle **malattie croniche**.
 - Progetti di ricerca e innovazione che forniscano nuove evidenze, metodologie e strumenti per comprendere la transizione dalla salute alla malattia.

Budget: 120 mil Eur (80 mil Eur 2024)



Health throughout the Life Course



Environmental and Social Health Determinants

TOPICS 2024:

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

Deadline: 19 September 2023 /11 April 2024 – TWO-STAGE



CLUSTER HEALTH | DESTINATION 2

Living and working in a health-promoting environment*

- Comprendere gli **impatti** dell'inquinamento atmosferico indoor/outdoor, delle sostanze chimiche, dei campi elettromagnetici, dell'urbanizzazione, del cambiamento climatico e di altri cambiamenti ambientali, delle disuguaglianze socioeconomiche e del cambiamento degli ambienti di lavoro.
- Rafforzare la capacità di **adattamento** e la **resilienza** delle popolazioni e dei **sistemi sanitari** rispetto ai rischi per la salute legati ai cambiamenti climatici e ambientali.

Budget: 163 mil Eur (60 mil Eur 2024)

* Forte connessione con [European Green Deal](#)



Health throughout the Life Course



Environmental and Social Health Determinants

TOPICS 2024:

- ✓ HORIZON-HLTH-2024-ENVHLTH-02-06-two-stage: The role of environmental pollution in non-communicable diseases: **air, noise and light and hazardous waste pollution** – RIA-LS

Deadline: 19 September 2023 /11 April 2024 – TWO-STAGE



CLUSTER HEALTH | DESTINATION 3



Tackling and reducing

TOPICS 2023:

✓ HORIZON-HLTH-2023-DISEASE-03-01: Novel approaches for **palliative and end-of-life care for non-cancer patients** - RIA

■ Si concentra sulle principali sfide sociali come il cancro, le malattie non trasmissibili, le malattie rare, la resistenza antimicrobica, la vaccinazione e la preparazione alle epidemie. ✓ HORIZON-HLTH-2023-DISEASE-03-03: Interventions in **city environments to reduce risk of non-communicable disease** (Global Alliance for Chronic Diseases - GACD) - RIA

✓ HORIZON-HLTH-2023-DISEASE-03-04: Pandemic preparedness and response: Broad spectrum **anti-viral therapeutics for infectious diseases** with epidemic potential - RIA

✓ HORIZON-HLTH-2023-DISEASE-03-05: Pandemic preparedness and response: Sustaining established **coordination mechanisms for European adaptive platform trials and for cohort networks** - CSA

■ Sviluppo di nuove misure di prevenzione, terapie

✓ HORIZON-HLTH-2023-DISEASE-03-06: Towards structuring **brain health research** in Europe - CSA

✓ HORIZON-HLTH-2023-DISEASE-03-07: Relationship between **infections and non-communicable diseases** - RIA

✓ HORIZON-HLTH-2023-DISEASE-03-17: Pandemic preparedness and response: **Understanding vaccine induced-immunity** - RIA

Budget: 551 mil Eur (274 mil Eur 2023) ✓ HORIZON-HLTH-2023-DISEASE-03-18: Pandemic preparedness and response: **Immunogenicity of viral proteins of viruses** with epidemic and pandemic potential – RIA

* **Complementa all'Europe's**

Beating Cancer Programme

Deadline : 13 April 2023 – SINGLE STAGE

✓ HORIZON-HLTH-2023-DISEASE-07-01: European **Partnership on Rare Diseases** – COFUND

Deadline : 19 September 2023 – SINGLE STAGE



CLUSTER HEALTH | DESTINATION 3*



Tackling diseases and reducing disease

- Si concentra sulle principali malattie sociali come il **cancro**, le **malattie non trasmissibili**, le **malattie infettive**, la **resistenza antimicrobica**, la **vaccinazione** e la **preparazione per le epidemie**.
 - Sviluppo di nuove strategie per la **prevenzione**, **terapia** e **tecnologie sanitarie innovative**.

Budget: 551 mil Eur (277 m)

* **Complementa all' Beating Cancer Plan e Programme**

TOPICS 2024:

- ✓ HORIZON-HLTH-2024-DISEASE-03-08-two-stage: Comparative effectiveness research for **healthcare interventions in areas of high public health need** – RIA-LS
- ✓ HORIZON-HLTH-2024-DISEASE-03-11-two-stage: Pandemic preparedness and response: **Adaptive platform trials for pandemic preparedness** – RIA-LS
- ✓ HORIZON-HLTH-2024-DISEASE-03-13-two-stage: Validation of fluid-derived biomarkers for the **prediction and prevention of brain disorders** – RIA-LS
- ✓ HORIZON-HLTH-2024-DISEASE-03-14-two-stage: Tackling **high-burden for patients**, under-researched medical conditions – RIA-LS
- ✓ HORIZON-HLTH-2024-DISEASE-03-12: Pandemic preparedness and response: Maintaining the **European partnership for pandemic preparedness** - CSA
- ✓ HORIZON-HLTH-2024-DISEASE-03-20: Pandemic preparedness and response: **Host-pathogen interactions of infectious diseases** with epidemic potential – RIA
- ✓ HORIZON-HLTH-2024-DISEASE-09-01: European Partnership: **One Health Anti-Microbial Resistance** - COFUND

Deadline: 11 April 2024 – SINGLE STAGE



CLUSTER HEALTH | DESTINATION 4

🏠 Ensuring access to innovative, sustainable and high-quality care*

- Sviluppo e adozione di soluzioni sicure, convenienti e incentrate sulle persone, con particolare attenzione alla salute della popolazione, alla **resilienza dei sistemi sanitari** e alle **politiche sanitarie basate sull'evidenza scientifica**.
 - R&I per supportare i sistemi sanitari nella loro trasformazione per garantire un **accesso equo** a servizi sanitari **sostenibili** di alta **qualità** per tutti i cittadini.

Budget: 190 mil Eur (160 mil Eur 2023)

* Forte sinergia con [EU4Health Programme](#)



Health throughout the Life Course



Tools, Technologies and Digital Solutions for Health and Care



Health Care Systems

TOPICS 2023:

- ✓ HORIZON-HLTH-2023-CARE-04-01: Maintaining access to regular **health and care services in case of cross-border emergencies** - RIA
- ✓ HORIZON-HLTH-2023-CARE-04-02: **Resilience and mental wellbeing of the health and care workforce** - RIA
- ✓ HORIZON-HLTH-2023-CARE-04-03: Environmentally **sustainable and climate neutral health and care systems** - RIA
- ✓ HORIZON-HLTH-2023-CARE-08-01: European Partnership on **Personalised Medicine** – COFUND

Deadline : 13 April 2023 – SINGLE STAGE



CLUSTER HEALTH | DESTINATION 4

🏠 Ensuring access to innovative, sustainable and high-quality care*

- Sviluppo e adozione di soluzioni sicure, convenienti e incentrate sulle persone, con particolare attenzione alla salute della popolazione, alla **resilienza dei sistemi sanitari** e alle **politiche sanitarie basate sull'evidenza scientifica**.
 - R&I per supportare i sistemi sanitari nella loro trasformazione per garantire un **accesso equo** a servizi sanitari **sostenibili** di alta **qualità** per tutti i cittadini.

Budget: 190 mil Eur (30 mil Eur 2024)

* Forte sinergia con [EU4Health Programme](#)



Health throughout the Life Course



Tools, Technologies and Digital Solutions for Health and Care



Health Care Systems

TOPICS 2024:

- ✓ HORIZON-HLTH-2024-CARE-04-04-two-stage: Access to **health and care services for people in vulnerable situations** – RIA-LS

Deadline: 19 September 2023 /11 April 2024 – TWO-STAGE



CLUSTER HEALTH | DESTINATION 5



Tools, Technologies
and Digital Solutions
for Health and Care

🔑 Unlocking the full potential of new tools, technologies and digital solutions for a healthy society*

- Promuovere lo sviluppo di strumenti, tecnologie e soluzioni digitali per trattamenti, farmaci, dispositivi medici, tenendo in considerazione **sicurezza, efficacia, adeguatezza, accessibilità** e valore aggiunto.
 - I **dati sanitari** e gli strumenti analitici innovativi vengono utilizzati in modo **sicuro ed etico**.

Budget: 264 mil Eur (50 mil Eur 2024)

* [!] European Health Data Space per promuovere lo scambio di dati sanitari e la ricerca transfrontaliera.

TOPICS 2024:

- ✓ HORIZON-HLTH-2024-TOOL-05-02: Bio-printing of living cells for **regenerative medicine** - RIA

Deadline: 11 April 2024 – SINGLE STAGE

- ✓ HORIZON-HLTH-2024-TOOL-05-06-two-stage: Innovative non-animal human-based tools and strategies for **biomedical research** – RIA-LS

Deadline: 19 September 2023 /11 April 2024 – TWO-STAGE



CLUSTER HEALTH | DESTINATION 6

🔗 Maintaining an innovative, sustainable and globally competitive health industry

- Adozione di tecnologie e innovazioni rivoluzionarie in grado di integrare gli attori della catena del valore.
 - L'industria sanitaria dell'UE è più competitiva, sostenibile e strategicamente autonoma.

Budget: 68 mil Eur (12 mil Eur 2024)



Health Care Systems



Tools, Technologies and Digital Solutions for Health and Care

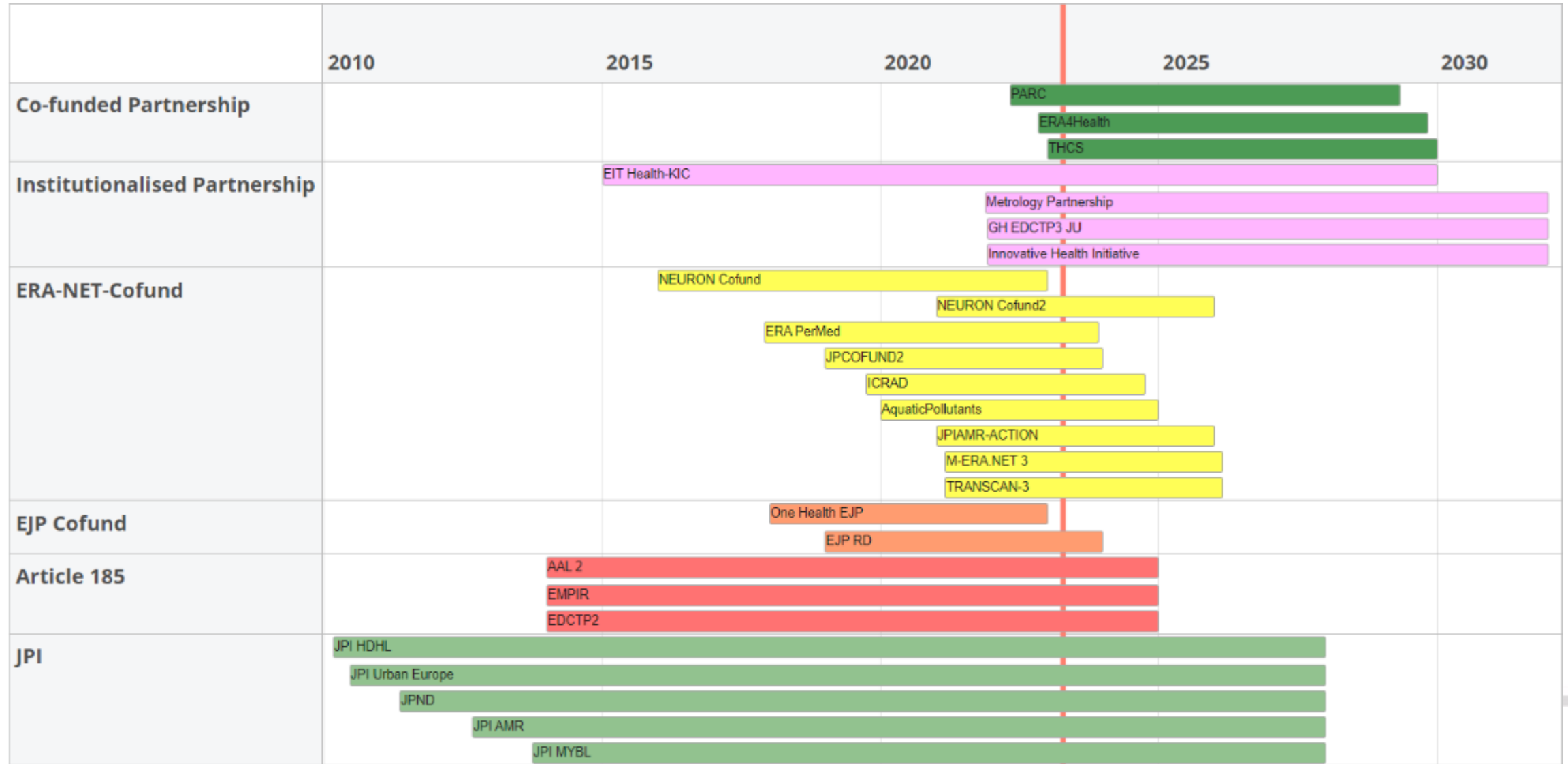
TOPICS 2024:

- ✓ HORIZON-HLTH-2024-IND-06-08: 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) - RIA
- ✓ HORIZON-HLTH-2024-IND-06-09: Gaining experience and confidence in New Approach Methodologies (NAM) for **regulatory safety and efficacy testing** – coordinated training and experience exchange for EU regulators - CSA

Deadline: 11 April 2024 – SINGLE STAGE



Health Partnerships: past/present/future





EU PARTNERSHIP | HEALTH



■ Institutionalized Partnerships:

- Innovative Health Initiative (2021) (ex-IMI2)
- European Partnership for EU-Africa Global Health (2021) (ex-EDCTP2)

■ Co-funded Partnerships:

- European Partnership for the Assessment of Risks from Chemicals (PARC) (2021)
- European Partnership Fostering an ERA for Health research (2022)
- European Partnership on Transforming Health and Care Systems (2022)
- European Partnership for Personalised Medicine (2023)
- European Partnership on Rare Diseases (2024)
- European Partnership for One Health/AMR Antimicrobial Resistance (AMR) (2024/25)

Draft proposals of the candidates for European Partnerships in Health:

https://ec.europa.eu/info/horizon-europe/european-partnerships-horizon-europe/candidates-european-partnerships-health_en



Innovative Health Initiative

What are the objectives, expected impacts and scope?

Partnership:

EU and health related industries (such as pharmaceuticals, diagnostics, medical devices, imaging, biotech and digital industries) • European collaborative platform for precompetitive and integrative R&I.

Overall objective:

Accelerate the development of **safer and more effective innovative healthcare interventions** that respond to **unmet public health needs**, and that can be taken up by healthcare systems.

Specific objectives:

• Facilitate **technology integration** to: progress disease understanding; enable the delivery of innovative health products and services; enable the combination of innovations along the healthcare pathway; overcome barriers to digitalisation, via standards, interoperability, etc. • Contribute to methodologies for **better assessing the value** of innovative interventions.

Expected impacts:

• Contribute to the **sustainability of the healthcare systems** • **Faster time-to-market** for innovative products • **New business** models • Incentive for industry to invest in **unmet public health needs** • Facilitate the delivery of **cost-effective** interventions • Improved **health outcomes** • Cross-sectoral industry **collaborations**.

<https://www.ihl.europa.eu>



IHI – EU PPP Partnership



↗ IHI call 3 (single stage call) *Publication: 13 December 2022 | Deadline: 15 March 2023*

- Topic 1: Screening platform and biomarkers for **prediction and prevention of diseases** of unmet public health need
- Topic 2: **Patient generated evidence** to improve outcomes, support decision making, and accelerate innovation
- Topic 3: Combining hospital interventional approaches to **improve patient outcomes and increase hospital efficiencies**
- Topic 4: Strengthening the European ecosystem for **Advanced Therapy Medicinal Products (ATMPs)** and other innovative therapeutic modalities for rare diseases
- Topic 5: Digital health technologies for the **prevention and personalised management of mental disorders** and their long-term health consequences

↗ IHI call 4 (two stage call) *Publication: 17 January 2023*

- Topic 1: Expanding translational knowledge in minipigs: a path to **reduce and replace non-human primates** in non-clinical drug safety assessment
- Topic 2: Patient-centric blood sample collection to enable **decentralised clinical trials and improve access to healthcare**

The THCS partnership; common vision

To lay the ground to provide high-quality, fairly accessible, health promoting and resilient health and care services at affordable prices to all European citizens in a way that is sustainable for the public finances.

- *General objective: to ensure the transition towards more sustainable, resilient, innovative and high quality people-centred health and care systems.*
- a partnership approach will give the necessary framework conditions to address :
 - gaps in research and innovation,
 - In knowledge translation,
 - implementation and scaling and
 - strengthen the research and innovation capacity in this field.
- the regional dimension is relevant and important for H&C systems in Europe, and for this partnership
- Co-funded partnership, Duration – 7 years, WP year – 2022, Start year – 2023.
- Funding: financial & in-kind contributions, EC co-funding – 30%.

European Partnership for Personalised Medicine

The partnership aims to **coordinate research in personalized medicine between the EU, EU countries and regions.**

Aims:

- faster **uptake of research and innovation results into clinical practice**, secure Europe's position in state-of-the-art healthcare provision.
- facilitate a shift from a 'one size fits all' approach towards taking into account **individual differences and better utilizing the accumulating data** to manage health, disease and its predisposition.
- sustainable **health systems and independence in data** intensive healthcare.

Under preparation! 2023

European Partnership on Rare Diseases

The partnership **will coordinate national, local and European research and innovation programmes**, combining research funding and implementation of research supportive activities such as training, data access infrastructures, data standards etc.

The main goal is to **improve the life of patients with rare diseases by developing diagnostics and treatments for rare diseases through multidisciplinary research and innovation programmes with all relevant stakeholders**. This will increase impact and uptake of research results as well as increase the visibility of EU leadership in rare diseases research.

Under preparation! 2023



MISSIONS



MISSIONS

Mission means a **portfolio of excellence-based and impact-driven R&I actions across disciplines and sectors**, intended to:



- achieve, *within a set timeframe*, a measurable goal that could not be achieved through individual actions
- have impact on society and policy-making through science and technology
- be *relevant for* a significant part of the European population and a wide range of European citizens



Adaptation to climate change, including societal transformation

Cluster 5, Cluster 2



Cluster 6

Healthy oceans, seas, coastal and inland waters



Mission areas



Cancer

Cluster 1

Cluster 5

Climate-neutral and smart cities



Soil health and food

Cluster 6



MISSION – BUDGET

1. There is **no fixed budget** for each mission
2. During the **first three years** of the programme, a **maximum of 10%** of the annual budget of **Pillar II** shall be programmed through specific calls for implementing the missions
3. For the remaining part of the programme, and **only after a positive assessment** of the mission selection and management process, this **percentage may be increased**
4. ***Ad hoc work programme (different from Cluster 1)***





MISSION CANCER



Conquering Cancer: Mission Possible

13 recommendations



Targets by 2030: **more than 3 million lives saved, living longer and better**: achieve a thorough **understanding** of cancer, **prevent** what is preventable, optimize **diagnosis and treatment**, support the **quality of life** of all people exposed to cancer, and ensure **equitable access** to the above across Europe.

📄 Aggiornata la pagina delle Mission sul sito della Commissione: https://ec.europa.eu/info/horizon-europe/missions-horizon-europe_en

- Nomine dei **mission managers** e dei vice: https://ec.europa.eu/info/horizon-europe/missions-horizon-europe_en
- Schede per la valutazione dei **piani d'implementazione**, che dovrebbero essere presentati a giugno: https://ec.europa.eu/info/horizon-europe/missions-horizon-europe/assessment-criteria_en





More information

[Mission-oriented policy for Horizon EuropeEN●●●](#)

[Horizon EuropeEN●●●](#)

[Dialogue with the Member States: Public Health Expert Group meetings on CancerEN●●●](#)

[Specific Action: Cancer ScreeningEN●●●](#)

[Dialogue with Stakeholders: EU Health Policy Platform](#)

[JRC's Knowledge Centre on CancerEN●●●](#)

Sessions from the European Research and Innovation days

[Developing a science to policy ecosystem for cancer control \(2022\)](#)

[Focus on needs of young cancer survivors \(2022\)](#)

[Mission area cancer \(2020\)](#)

[Co-design session on Cancer mission \(2019\)](#)

Contact

RTD-SANTE-CANCER-MISSION@ec.europa.eu



Mission on Cancer: topics in 2021 as an example

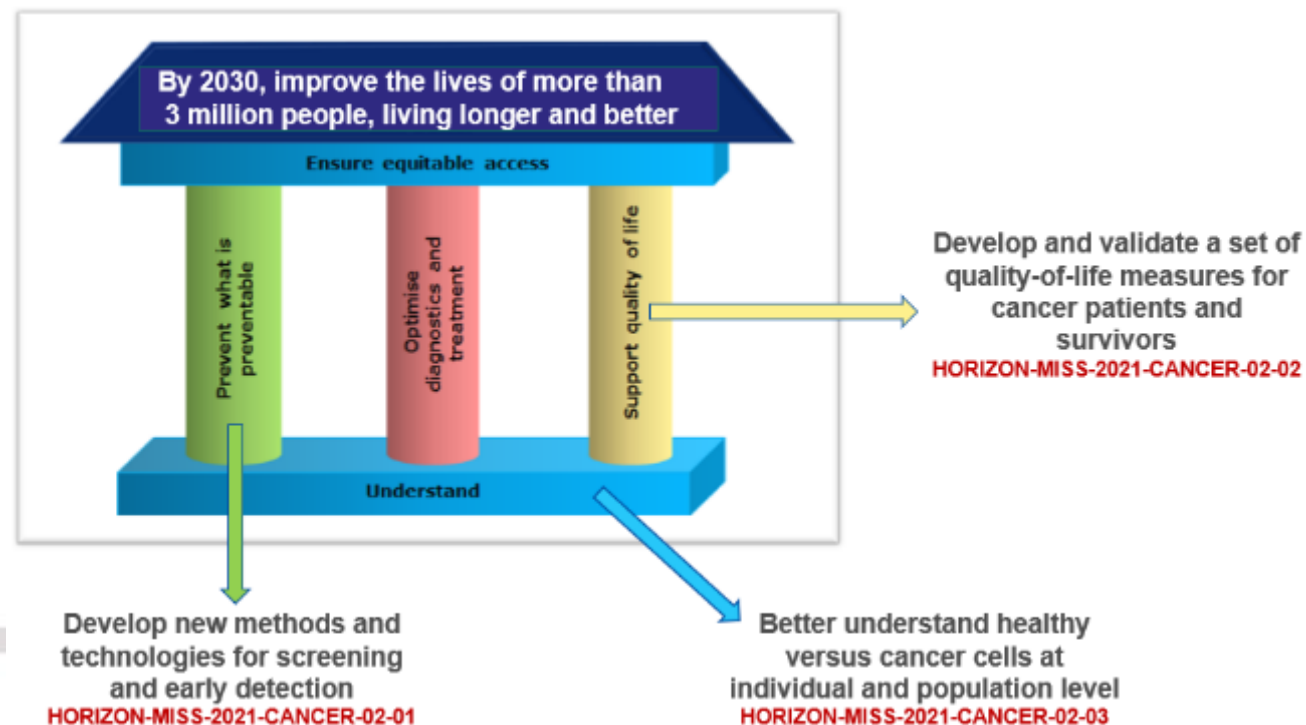
HORIZON-MISS-2021-CANCER-02-01: Develop new methods and technologies for screening and early detection (RIA)

HORIZON-MISS-2021-CANCER-02-02: Develop and validate a set of quality-of-life measures for cancer patients and survivors (RIA)

HORIZON-MISS-2021-CANCER-02-03: Better understand healthy versus cancer cells at individual and population level (RIA)

Opening: 22 Dec 2021

Deadline(s): 26 Apr 2022





Mission on Cancer: topics in 2023

Opening: 12 Jan 2023

Deadline: 12 Apr 2023



- ❏ **HORIZON-MISS-2023-CANCER-01-01:** Addressing **poorly-understood tumour-host interactions** to enhance immune system-centred treatment and care interventions in childhood, adolescent, adult and elderly cancer patients (*RIA*)
- ❏ **HORIZON-MISS-2023-CANCER-01-02:** Enhance **primary cancer prevention** through sustainable behaviour change (*RIA*)
- ❏ **HORIZON-MISS-2023-CANCER-01-03:** Pragmatic **clinical trials on minimally invasive diagnostics** (*RIA*)
- ❏ **HORIZON-MISS-2023-CANCER-01-04:** Establish best practices and tools to **improve the quality of life for childhood cancer patients, survivors and their families** in European regions. (*IA*)



MISSION CANCER: connecting initiatives...

- ↗ Due consideration should be given to newly EU-funded initiatives such as the Knowledge Centre on Cancer, HealthyCloud, EOSC-Life, the European Health Data Space (EHDS) Joint Action, 1+ Million Genomes / Beyond One Million Genomes (B1MG), the future Innovative Health Initiative and EIT Health Knowledge Innovation Community initiatives^[5].
- ↗ Links with topic HORIZON-INFRA-EOSC-2021-01-06 objectives (FAIR and open data sharing in support of cancer research) are encouraged as well as with topic HORIZON-INFRA-SERV-2021-01-01 (Research infrastructures services to support research addressing cancer)



Matchmaking events on Cluster 1 Health

PAST:

📅 19 Gennaio 2023 (virtuale): Infoday WP CL1 2023-2024

📅 20 Gennaio 2023 (virtuale): International Brokerage Event CL1

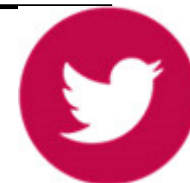
https://research-and-innovation.ec.europa.eu/events/horizon-europe-info-days/cluster-1_en

Upcoming:

1° of June 2023: EC Infoday on topics 2024

2° of June 2023: Brokerage event on topics 2024

5° of June 2023: Paris, onsite Brokerage event on SSH and Health



EU4Health 2023 Work Programme

1. CRISIS PREPAREDNESS (CP)	358.40
HERA ¹⁶	242.75
IMPROVING AND STRENGTHENING NATIONAL SURVEILLANCE SYSTEMS	97.6
STRENGTHENING THE EU EARLY WARNING AND RESPONSE SYSTEM AND NATIONAL ALERT AND INFORMATION SYSTEMS (EWRS) ¹⁷	2.0
EUROPEAN IMMUNIZATION AGENDA ¹⁸	2.0
SUPPORT THE SET-UP ESTABLISHMENT AND OPERATION OF EU REFERENCE LABORATORIES	8.2
ADVISORY COMMITTEE SET - UP TO DEAL WITH EMERGENCIES	0.45
RISK ASSESSMENTS FOR CHEMICAL, ENVIRONMENTAL AND CLIMATE THREATS DRAWN UP WITHIN AGENCIES ¹⁹	0.6
INTEGRATED SURVEILLANCE SYSTEMS ON ANTIMICROBIAL RESISTANCE AND ANTIMICROBIAL USE	0.5
CRISIS PREPAREDNESS IN UKRAINE AND NEIGHBOURING COUNTRIES ²⁰	4.3

2. HEALTH PROMOTION & DISEASE PREVENTION (DP)	33.54
TOBACCO CONTROL POLICIES	4.0
PREVENTION OF NON-COMMUNICABLE DISEASES (NCDs) – CHRONIC RESPIRATORY DISEASES, MENTAL HEALTH, DEMENTIA	18.36
OPERATING GRANTS	9.0
SUPPORT TO HEALTH POLICY PLATFORM, SCIENTIFIC COMMITTEES, AND EXPERT GROUPS, AND SUPPORT TO EUROPEAN CLIMATE AND HEALTH OBSERVATORY	2.18

5. DIGITAL (DI)	26.0
EUROPEAN HEALTH DATA SPACE – INFRASTRUCTURE AND GOVERNANCE; PRIMARY USE OF DATA	19.5
EUROPEAN HEALTH DATA SPACE – INFRASTRUCTURE AND GOVERNANCE; SECONDARY USE OF DATA	6.5

3. CANCER (CR)	187.3
CANCER PREVENTION	1.5
EU NETWORK OF COMPREHENSIVE CANCER INFRASTRUCTURES	130.5
IMPLEMENTATION OF CANCER SCREENING PROGRAMMES	38.5
MENTAL HEALTH AND CANCER	10.0
QUALITY OF LIFE OF CANCER SURVIVORS	1.5
REDUCING CANCER INEQUALITIES ²¹	2.5
IMPLEMENTATION OF STRATEGIC AGENDA FOR MEDICAL IONISING RADIATION	2.8

4. HEALTH SYSTEMS & HEALTHCARE WORKFORCE (HS)	118.42
REFORMING AND STRENGTHENING HEALTH SYSTEMS ²²	8.7
ENHANCING EUROPEAN REFERENCE NETWORKS	83.4
STRENGTHENING THE IMPLEMENTATION OF THE LEGISLATION ON BLOOD, TISSUES AND CELLS AND ORGANS	1.4
IMPLEMENTATION OF REGULATIONS ON MEDICAL DEVICES AND IN VITRO DIAGNOSTIC MEDICAL DEVICES	8.25
IMPLEMENTATION OF PHARMACEUTICALS LEGISLATION AND PHARMACEUTICAL STRATEGY FOR EUROPE ²³	8.17
IMPLEMENTATION OF THE HEALTH TECHNOLOGY ASSESSMENT REGULATION	3.00
IMPLEMENTATION OF THE CROSS-BORDER HEALTHCARE DIRECTIVE	0.5
GLOBAL HEALTH	5.0

6. OTHER ACTIONS	12.12
COMMUNICATION ACTIVITIES	3.67
RECURRENT IT ACTIVITIES	5.5
OTHER ACTIVITIES	2.95



EU4HEALTH PROGRAMME



HaDEA published four calls for proposals under the [EU4Health 2022 Annual Work Programme](#).

- ❑ **EU4H-2022-PJ-11***: [Call for proposals on NCDs – cardiovascular diseases and diabetes](#), budget: € 5 million
- ❑ **EU4H-2022-PJ-12***: [Call for proposals on cancer and other NCDs prevention – action on health determinants](#), budget: € 11 million
- ❑ **EU4H-2022-PJ-14***: [Call for proposals to support the roll-out of the second cohort of the inter-speciality cancer training programme](#), budget: € 7 million
- ❑ **EU4H-2022-PJ-15****: [Call for proposals to support structured dialogue at national or regional level on public procurement in the health sector – HERA](#), budget: € 5 million

(*) *Deadline 21st February 2023*

(**) *Deadline 28th February 2023*

A dedicated info session took place on 19 October 2022.

[Access the recordings and the presentations.](#)





Horizon Europe - Keep informed & Get involved

HorizonEU

- Register to receive the latest updates of developments
- Reach out to National Contact Points **Search by country and contact your NCP through the F&T portal !**
<https://ec.europa.eu/info/fundingtenders/opportunities/portal/screen/support/ncp>
- Become an independent evaluator for HE proposals
→ ALL this can be done via **EC portal for *Funding & Tenders Opportunities***.
<https://ec.europa.eu/info/funding-tenders/opportunities/portal>

Horizon Europe Work Programmes ([link](#)) and Programme Guide ([link](#))

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

EU-funded Health Research and Innovation: https://ec.europa.eu/info/research-and-innovation/research-area/health-research-and-innovation_en





Links utili

🔗 Regulation establishing Horizon Europe

<https://data.consilium.europa.eu/doc/document/ST-7064-2020-INIT/it/pdf>

🔗 Corporate Model Grant Agreement

<https://ec.europa.eu/transparency/regdoc/rep/3/2020/EN/C-2020-3759-F1-EN-ANNEX-1-PART-1.PDF>

🔗 Horizon Europe MGA

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/agr-contr/general-mga_horizon-euratom_en.pdf

🔗 General Annexes Main WP

https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2021-2022/wp-13-general-annexes_horizon-2021-2022_en.pdf



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THANK YOU!