APRE
Agenzia per la Promozione della Ricerca Europea

Horizon Europe Programme - *Opportunità nell'ambito Salute*

Bruno Mourenza, APRE

HEALTH / CLIMATE-ENERGY-MOBILITY / EIT

mourenza@apre.it

UNIPA

19 Ottobre 2023

HORIZON EUROPE

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

EURATOM

- Fusion
- Fission
- Joint Research Center

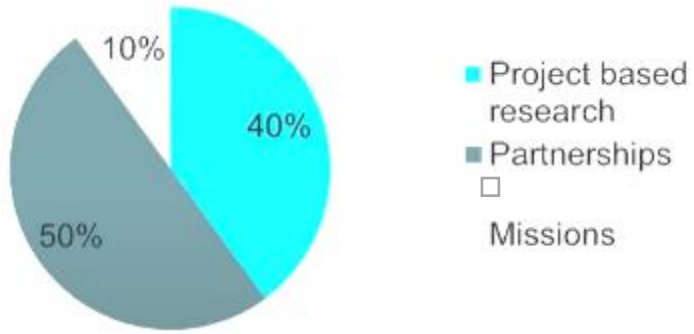
* The European Institute of Innovation & Technology (EIT) is not part of the Specific Programme

Cluster 1 Health

HORIZON EUROPE (2021 – 2027)

- € 95,5 billion
- Pillar 2: € 53,52 bn
- **Health**: € 8,25 bn

(*15% of all Clusters*)



Pillar 1
Excellent Science

- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness

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

Joint Research Centre

Pillar 3
Innovative Europe

- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area

- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

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

EC Policy priorities for Cluster 1 Health

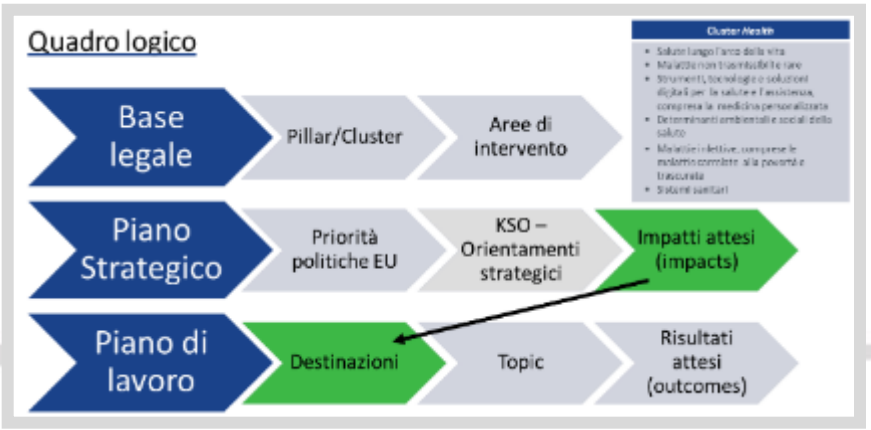
- European AI Strategy
- Proposal for an Artificial Intelligence Liability Directive (AILD, sept.2022) .
- Directive on patients' rights in cross-border healthcare;
- Political declaration on prevention & control of non-communicable diseases;
- Europe's beating cancer plan
- Commission Communication on effective, accessible and resilient health systems;
- Commission Communication on upgrading the single market (and its proposed health technology assessments initiative);
- Council conclusions on nutrition and physical activity;
- Council conclusion on personalized medicine and pharmaceuticals;
- Council conclusions on strengthening the balance in the pharmaceutical systems in the EU and its Member States;
- EU One Health Action Plan against Antimicrobial Resistance; Ostrava Declaration on Environment and Health;
- Commission Communication on the digital transformation of health and care;
- Council recommendation on strengthened cooperation against vaccine preventable diseases;
- Commission Communication 'European Union Strategic Approach to Pharmaceuticals in the Environment';

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**

WORK PROGRAMME CLUSTER 1 HEALTH – 2023/2024



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CLUSTER *HEALTH* | DESTINATION 1

Staying healthy in a rapidly changing society

Health throughout the Life Course

Environmental and Social Health Determinants

- 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.

TOPICS 2023:

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

Deadline : 13 April 2023– SINGLE STAGE

CLUSTER *HEALTH* | DESTINATION 1

Staying healthy in a rapidly changing society

Health throughout the Life Course

Environmental and Social Health Determinants

- 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.

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

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

CLUSTER *HEALTH* | DESTINATION 2

Living and working in a health-promoting environment*

Health throughout the Life Course

Environmental and Social Health Determinants

- 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.

** Forte connessione con European Green Deal*

TOPICS 2023:

- ✓ HORIZON-HLTH-2023-ENVHLTH-02-01: Planetary health: understanding the links between environmental degradation and health impacts - **RIA**
- ✓ HORIZON-HLTH-2023-ENVHLTH-02-02: Evidence-based interventions for promotion of mental and physical health in changing working environments (post-pandemic workplaces) - **RIA**
- ✓ HORIZON-HLTH-2023-ENVHLTH-02-03: Health impacts of endocrine-disrupting chemicals: bridging science-policy gaps by addressing persistent scientific uncertainties - **RIA**
- ✓ HORIZON-HLTH-2023-ENVHLTH-02-04: Global coordination of exposome research - **CSA**

Deadline : 13 April 2023 – SINGLE STAGE

CLUSTER *HEALTH* | DESTINATION 2

Health throughout the Life Course

Environmental and Social Health Determinants

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.

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

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

** Forte connessione con European Green Deal*

CLUSTER *HEALTH* | DESTINATION 3

Tackli… reduci…

- Si concentra sulle principali sfide sociali come il carico delle malattie non trasmissibili, le malattie rare, la resistenza antimicrobica, la vaccinazione e la preparazione alle epidemie.
  - Sviluppo di nuove misure di prevenzione, terapie e tecnologie sanitarie innovative.

* *Complementa all'* Europe's Beating Ca… Programme…

TOPICS 2023:

- ✓ HORIZON-HLTH-2023-DISEASE-03-01: Novel approaches for palliative and end-of-life care for non-cancer patients - RIA
- ✓ HORIZON-HLTH-2023-DISEASE-03-03: Interventions in city environments to reduce risk of non-communicable diseases (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
- ✓ 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
- ✓ HORIZON-HLTH-2023-DISEASE-03-18: Pandemic preparedness and response: Immunogenicity of viral proteins of viruses with epidemic and pandemic potential – RIA

e

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 disea
reducing disea

- Si concentra sulle princi
  sociali come il **cancro**, le
  non trasmissibili, le **mala**
  la **resistenza antimicrobi**
  vaccinazione e la prepar
  epidemie.
  - Sviluppo di nuove r
    prevenzione, terapi
    tecnologie sanitarie
    innovative.

** 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
- ✓ HORIZON-HLTH-2024-DISEASE-03-11-two-stage: Pandemic preparedness and response: Adaptive platform trials for pandemic preparedness - RIA
- ✓ HORIZON-HLTH-2024-DISEASE-03-13-two-stage: Validation of fluid-derived biomarkers for the prediction and prevention of brain disorders - RIA
- ✓ HORIZON-HLTH-2024-DISEASE-03-14-two-stage: Tackling high-burden for patients, under-researched medical conditions - RIA

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

- ✓ 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

Deadline: 11 April 2024– SINGLE STAGE

- ✓ HORIZON-HLTH-2024-DISEASE-09-01: European Partnership: One Health Anti-Microbial Resistance - COFUND

Deadline: 25 September 2024 – SINGLE STAGE

CLUSTER *HEALTH* | DESTINATION 4

Health throughout the Life Course

Tools, Technologies and Digital Solutions for Health and Care

Health Care Systems

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.

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

Deadline : 13 April 2023 – SINGLE STAGE

- ✓ HORIZON-HLTH-2023-CARE-08-01: European Partnership on Personalised Medicine - COFUND

Deadline : 13 April 2023 – SINGLE STAGE

** Forte sinergia con EU4Health Programme*

CLUSTER *HEALTH* | DESTINATION 4

Health throughout the Life Course

Tools, Technologies and Digital Solutions for Health and Care

Health Care Systems

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.

TOPICS 2024:

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

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

** Forte sinergia con* EU4Health Programme

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 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.

TOPICS 2023:

- ✓ HORIZON-HLTH-2023-TOOL-05-01: Clinical trials of combined Advanced Therapy Medicinal Products (ATMPs) - **RIA**
- ✓ HORIZON-HLTH-2023-TOOL-05-03: Integrated, multi-scale computational models of patient patho-physiology ('virtual twins') for personalised disease management - **RIA**
- ✓ HORIZON-HLTH-2023-TOOL-05-04: Better integration and use of health-related real-world data research data, including genomics, for improved clinical outcomes - **RIA**
- ✓ 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 - **IA**
- ✓ HORIZON-HLTH-2023-TOOL-05-08: Pandemic preparedness and response: In vitro diagnostic devices to tackle cross-border health threats - **IA**
- ✓ HORIZON-HLTH-2023-TOOL-05-09: Developing a Data Quality and Utility Label for the European Health Data Space - **CSA**

Deadline : 13 April 2023 – SINGLE STAGE

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

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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.**

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**

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

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

CLUSTER *HEALTH* | DESTINATION 6

Health Care Systems

Tools, Technologies and Digital Solutions for Health and Care

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**.

TOPICS 2023:

- ✓ HORIZON-HLTH-2023-IND-06-01: Supporting the uptake of innovative Health Technology Assessment (HTA) methodology and advancing HTA expertise across EU - **CSA**
- ✓ HORIZON-HLTH-2023-IND-06-02: Expanding the European Electronic Health Record exchange Format to improve interoperability within the European Health Data Space - **RIA**
- ✓ HORIZON-HLTH-2023-IND-06-04: Modelling and simulation to address regulatory needs in the development of orphan and paediatric medicines - **RIA**
- ✓ HORIZON-HLTH-2023-IND-06-05: Mapping the hurdles for the clinical applications of Advanced Therapy Medicinal Products (ATMPs) - **CSA**
- ✓ HORIZON-HLTH-2023-IND-06-07: Development and harmonisation of methodologies for assessing digital health technologies in Europe - **RIA**

Deadline : 13 April 2023 – SINGLE STAGE

CLUSTER *HEALTH* | DESTINATION 6

Health Care Systems

Tools, Technologies and Digital Solutions for Health and Care

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**.

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

International cooperation

Main areas for international cooperation and activities to be aligned with R&I of third countries/regions at major scale or to be carried out in cooperation with organizations in third countries:

- **Infectious diseases, antimicrobial resistances and public health emergencies**
- **Global Health**
- **Personalised medicine**
- **Chronic diseases**
- **Cohorts-based clinical studies of health and diseases**
- **Brain and Mental Health**
- **Impact of the environment on human health**
- **Improving access, sustainability and quality of health care in low- and middle-income countries (LMICs)**
- **US participants of projects funded under the health cluster (*eligible for funding*)**

Ricerca partner in Cluster 1 Health?

- ***International Brokerage Platform CL1 – Topics 2024***

https://cluster-health-horizon-europe-brokerage2024.b2match.io/

Registrazione aperta fino a Dicembre 2023!

Per rimanere informati:

HNN 3.0
HEALTH-NCP-NET

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EU PARTNERSHIP | SALUTE

- **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

Objectives of the Partnership

https://www.eu-parc.eu/

- The **scope** of the partnership is quite broad:

Stimulate research and innovation in chemical risk assessment through a common roadmap set by risk assessors and risk managers in consultation with all stakeholders (academia, industry, associations and others) to enable risk assessors and risk managers to respond to current and future challenges

- The **general objective** is to:

Consolidate and strengthen the EU's research and innovation capacity for chemical risk assessment to protect human health and the environment and contribute to a non-toxic environment and a circular economy.

- The **impacts** related to the **specific objectives** will be seen on 3 levels by:

- the creation of a **sustainable European Research and Innovation Network** for Chemical Risk Assessment to define priorities and ensure that the results are taken into account
- the implementation of a **European Research and Innovation Programme** to increase efficiency and effectiveness of current and future testing and assessment methods/strategies and to improve regulatory tools to ensure a high level of human health and environmental protection
- the creation or consolidation of **Research and Innovation Capacities and Platforms** in Europe to support next generation risk assessment

The THCS partnership; common vision

THCS
transforming health and care systems

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%.

https://www.thcspartnership.eu/

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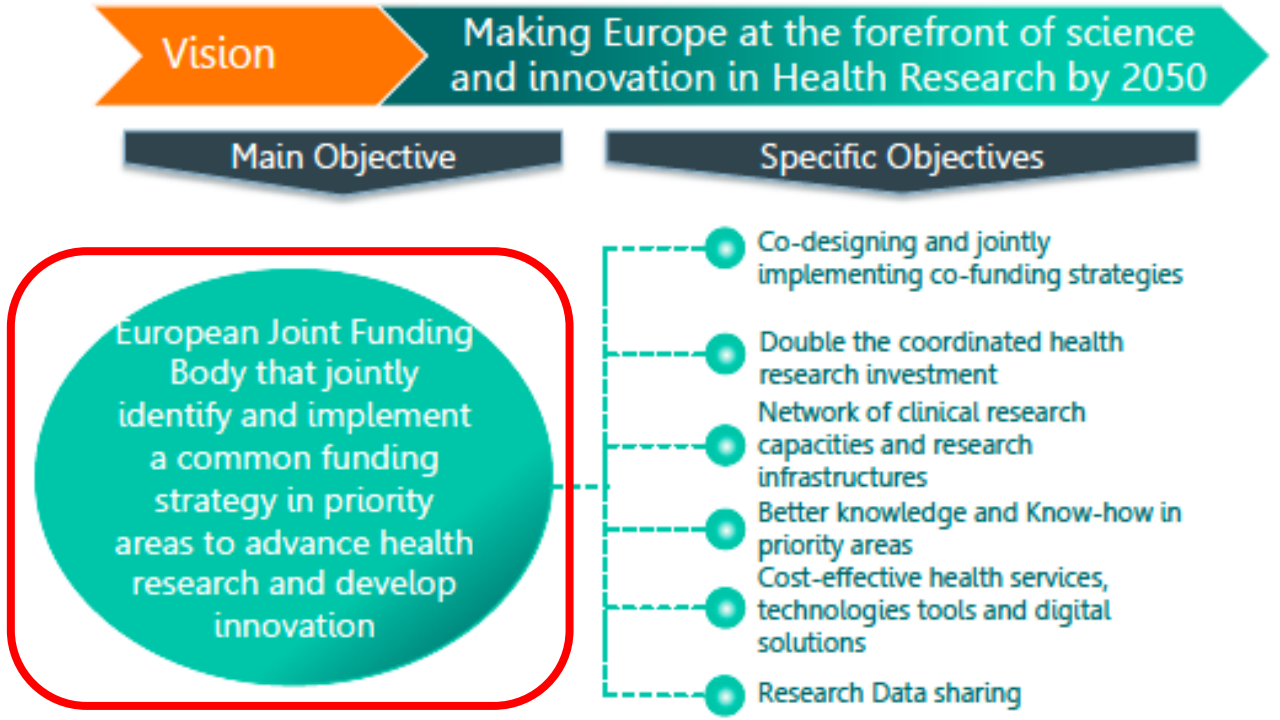
Candidate for European Partnership:

"Fostering an ERA for Health Research"

(ERA4Health)

Common vision, objectives



Implementation

- 2 phases:
  - Pilot phase (2022-2023) to set up the basis and Standard Operational Procedures while giving continuation to the funding activities of existing ERA-NETs (if there is interest)

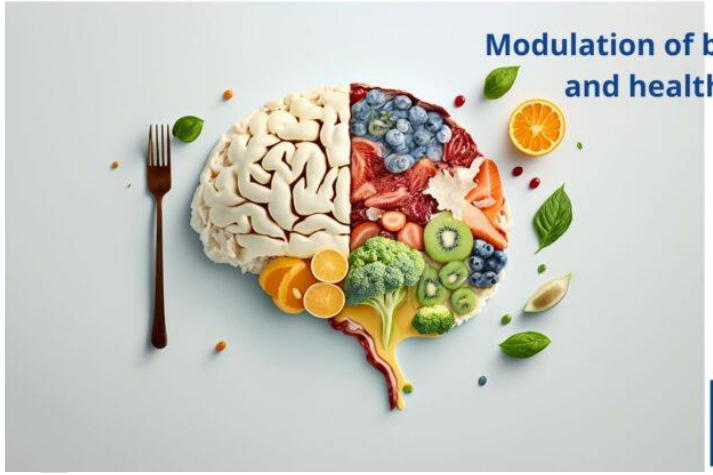
ERA-CVD, ERA-HDHL and HDHL-INTIMIC, ERACoSysMed and EuroNanoMed

  - Second phase (2024-2029) or consolidated phase

https://era4health.eu/

ERA4Health Partnership

Pre-announcement of the NutriBrain Call



#NutriBrain_E4H

Co-funded by the European Union

3 November, 2023	**Publication of NutriBrain call**
15 January, 2024, 16h00 CET	**Deadline for pre-proposal submission**
27 March, 2024	Communication of the results of the pre-proposal assessment (invitation for full proposal)
27 May, 2024, 16h00 CEST	**Deadline for full proposal submission**
12 – 23 August, 2024	**Rebuttal stage**
Mid-October 2024	Communication of the funding decisions to the applicants
December 2024 – May 2025	**Expected project start** (subject to national procedures)

ERA4Health Partnership

Pre-announcement of the NANOTECMEC Call

Nano and advanced technologies for disease prevention, diagnostic and therapy - "NANOTECMEC"

#NANOTECMEC_E4H

Co-funded by the European Union

14 November, 2023	**Publication of NANOMEDICINE call**
21 November, 2023	**Webinar Infoday** Opening of the submission system for pre-proposals
30 January, 2024	**Deadline for pre-proposal submission**
23 April, 2024	Communication of the results of the pre-proposal assessment (invitation for full proposal)
13 June, 2024	**Deadline for full proposal submission**
27 August – 3 September, 2024	**Rebuttal stage**
Mid of October	Communication of the funding decisions to the applicants
December 2024 – May 2025	**Expected project start** (subject to national procedures)

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.

Draft outline of partnership proposal (May 2019, partnership is planned for the Work Programme 2023/4, more details will be provided at a later stage)

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.

Draft outline of partnership proposal (May 2019, partnership is planned for the Work Programme 2023/4, more details will be provided at a later stage)

European Partnership for One Health/AMR Antimicrobial Resistance (AMR)

The partnership aims to **coordinate and align activities and funding between countries as well as with the Commission**. It will also facilitate national coherence between different services and ministries with responsibility for the various aspects of AMR (e.g. human health, agriculture, environment, industry, finances).

The main goal is to contribute to **achieving the objectives of the** European One Health Action Plan against AMR and the WHO Global Action Plan on AMR, by reducing the threat of AMR.

Draft outline of partnership proposal (May 2019, partnership is planned for the Work Programme 2023/4, more details will be provided at a later stage)

EU-Africa Global Health

What are the objectives, expected impacts and scope?

Global Health EDCTP3

Objectives: To increase health security in sub-Saharan Africa and Europe by:

- accelerating clinical development of effective, safe, accessible, suitable and affordable health technologies and health systems interventions for infectious diseases;
- in partnership with Africa and international funders.

Timeframe: Duration of Horizon Europe and beyond.

Expected impacts:

- Increased health security: decrease the threat of spread of outbreaks/pandemics and the growing threat of antimicrobial resistance (AMR);
- Reduced economic and social burden of infectious diseases;
- Strengthened European and African scientific capacity;
- Better and more integrated health research & health services in Africa;
- Retaining a new generation of African scientists & addressing the chronic shortage of health workers in developing countries.

Scope:

- Clinical development of new health technologies for detection, prevention and treatment of infectious diseases.

Key changes: Inclusion of health security and antimicrobial resistance in the scope, and additional partners (international funders) to increase impact.

Links with other partnership candidates: Innovative Health Initiative; Pre-clinical/Clinical Health Research Partnership; Animal Health Partnership; Neighborhood, Development and International Cooperation Instrument and External Investment Plan

https://www.globalhealth-edctp3.eu/

APRE

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.**

innovative health initiative

https://www.ihi.europa.eu/

Opportunità su EU Partnership

The following topics are under consideration for inclusion in the next IHI call for proposals, which we plan to launch in summer 2023.

IHI call 4 (two-stage call) Deadline for 1st stage: **8 November 2023**

- Expanding translational knowledge in minipigs: a path **to reduce and replace non-human primates in non-clinical safety assessment**
- **Patient-centric blood sample collection** to enable decentralised clinical trials and improve access to healthcare
- **Inclusive clinical studies** for equitable access to clinical research in Europe
- Establishing novel approaches to improve **clinical trials for rare and ultra-rare diseases**
- Safe & sustainable by design (SSbD) **packaging and single use device solutions** for healthcare products
- Sustainable **circular development and manufacturing of healthcare products** and their quantitative environmental impact assessment

IHI call 5 (single stage call) Deadline for full proposals: **16 January 2024**

- Accelerating the implementation of new approach methodologies and other innovative **non-animal approaches for the development, testing and production of health technologies**
- Development and proof of principle of **new clinical applications of theranostics solutions**
- Improved prediction, detection, and treatment approaches for comprehensive **stroke management**
- Maximising the potential of **synthetic data generation in healthcare applications**

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***

Mission areas

Adaptation to climate change, including societal transformation

Cluster 5, Cluster 2

Healthy oceans, seas, coastal and inland waters

Cluster 6

Cancer

Cluster 1

Climate-neutral and smart cities

Cluster 5

Soil health and food

Cluster 6

MISSION – BUDGET

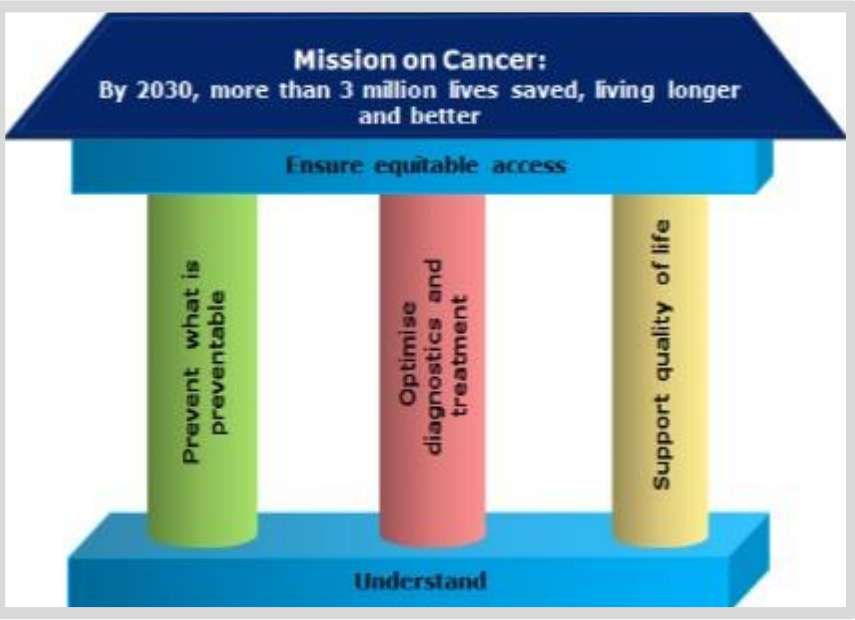
- There is **no fixed budget** for each mission
- During the **first three years** of the programme, a **maximum of 10%** of the annual budget of **Pillar II** shall be programmed through specific calls for implementing the missions
- For the remaining part of the programme, and **only after a positive assessment** of the mission selection and management process, this **percentage may be increased**

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



APRE

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Agenzia per la Promozione della Ricerca Europea

Email: mourenza@apre.it

Tel. +39 06 48 93 9993

www.apre.it

GRAZIE MILLE!

Bruno Mourenza

mourenza@apre.it