



Cancer Mission – Introduction & Background including synergies

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Green light for the 5 Missions
September 2021

Launch of the 5 Missions Implementation Plans 29 September 2021

€1.9 billion until 2023.



Missions have ambitious goals and will deliver concrete results by 2030.

-  **cancer:** improve the lives of more than 3 million people
-  make 150 regions and communities **climate resilient**
-  restore our **ocean and waters**
-  achieve 100 **climate-neutral and smart cities**
-  create 100 living labs and lighthouses to lead the transition towards **healthy soils**

https://ec.europa.eu/info/publications/implementation-plans-eu-missions_en

Two EC initiatives against Cancer

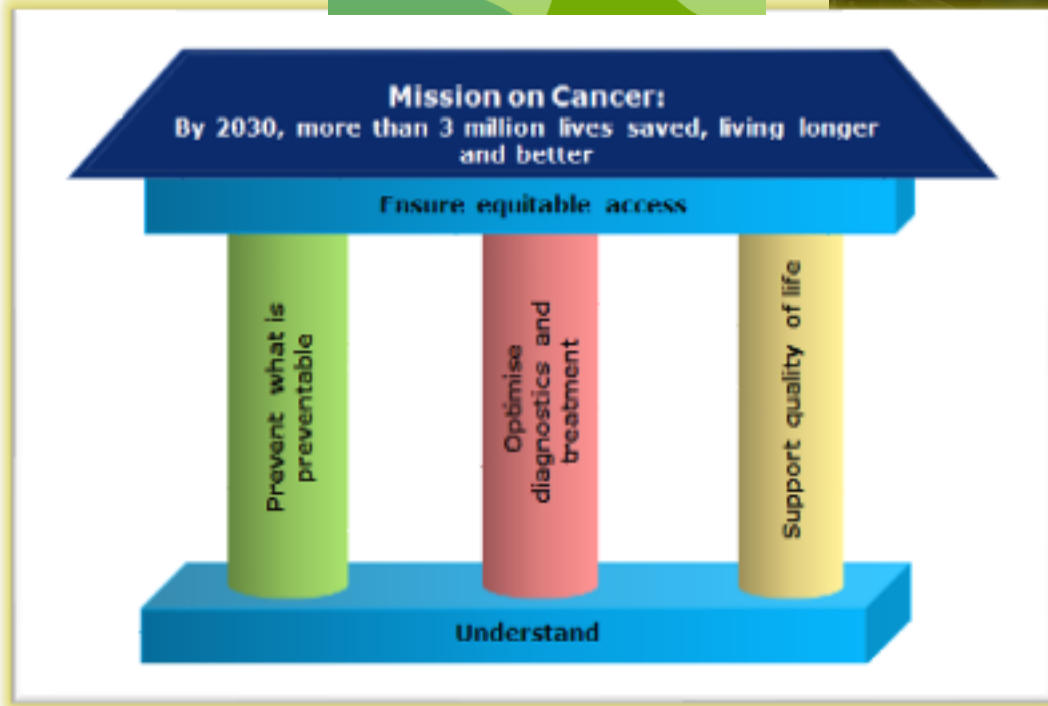
M Gabriel
DG RTD



European Missions
Cancer
Improving 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
Implementation Plan



September 2021



S Kyriakides
DG SANTE



#HealthUnion
#EUCancerPlan
Europe's Beating Cancer Plan

Prevention

February 2021

Early detection

Diagnosis & treatment

Quality of life for patients and survivors



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.



Horizon Europe mission WP2021-2023 topics

Cancer Mission Action

- ✓ Innovation
- ✓ Risk taking
- ✓ Citizen Engagement
- ✓ Commitment at National level
- ✓ Commitment of all
- ✓ Equitable Access

Portfolio approach



Creation of national cancer mission hubs to support the implementation of the Mission on Cancer
HORIZON-MISS-2022-CANCER-01-05

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:

Establish best practices and tools to improve the quality of life for childhood cancer patients, survivors and their families in European regions
HORIZON-MISS-2023-CANCER-01-04

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

Addressing poorly-understood tumour-host interactions to enhance immune system-centred treatment and care interventions
HORIZON-MISS-2023-CANCER-01-01

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 primary cancer prevention through sustainable behavioural change
HORIZON-MISS-2023-CANCER-01-02

Pragmatic clinical trials to optimise treatment for cancer patients
HORIZON-MISS-2022-CANCER-01-03

Pragmatic clinical trials on minimally invasive diagnostics
HORIZON-MISS-2023-CANCER-01-03

Strengthen research capacities of comprehensive cancer infrastructures
HORIZON-MISS-2022-CANCER-01-02



EU Missions – synergies with EU policies and initiatives

Initiatives that can help achieve the goal of the EU Mission on Cancer

- Knowledge Centre on Cancer (KCC)
- European Cancer Information System (ECIS)
- Chemicals Strategy for Sustainability
- Zero Pollution Action Plan
- HealthyLifestyles4all initiative
- Strategic Agenda for Medical Ionising Radiation Applications
- European Universities Initiative
- Non-communicable Diseases Initiative
- Council Recommendations on Cancer Screening
- Digital transformation and skills
- Artificial Intelligence Agenda
- EIT & KICs

Legislative initiatives:

- European Health Data Space
- Pharmaceutical Package
- Communication on working towards an asbestos-free future
- Zero Pollution Action Plan

Initiatives under Horizon Europe:

- HE Health Cluster => support R&I priorities
- Horizon Europe partnerships
- Research and Training Programme (Euratom)
- New European Bauhaus initiative

Other initiatives:

- EU4Health
- Digital Europe
- EIC



Joint governance established

- **Dialogue with Member States:** a sub-group on cancer under the Steering Group on Health Promotion, Disease Prevention and Management of Non-Communicable Diseases (SGPP) follows jointly the implementation of the Europe's Beating Cancer Plan and the Cancer Mission.
- **Dialogue with stakeholders:** a Stakeholder Contact Group under the EU Health Policy Platform as a basis for discussion and exchange.
- **EU Implementation Group:** a dedicated group gathering different Commission services to ensure that actions, policies and findings are aligned across the relevant Commission departments.

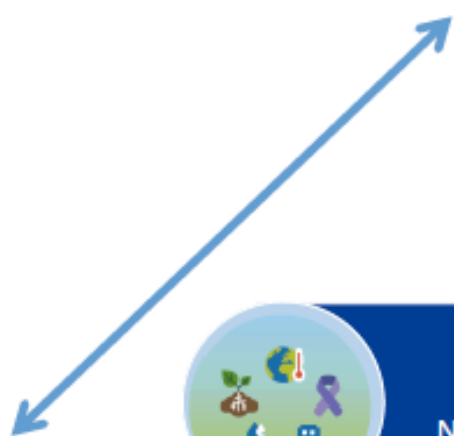


Governance – linking EU and Member States initiatives



National Cancer Mission Hubs (long-term structure set up by EU)

National Cancer Hubs to be set up in every MS and some AC to support the mission's implementation



'Mirror Groups' (set up by certain Member States)

Bringing together different stakeholders at national and/or regional level



EU Mission NCPs (set up by EU)

National Contact Points in every MS and AC



TRAMI (project set up by EU; temporary facilitator until Apr 2024)

Core network for all 5 missions (ministries, agencies, experts)



Network of national Cancer Mission Hubs

To foster dialogue on cancer prevention and control

Main activities:

- Awareness raising and coordination of Mission's activities among relevant actors in national, regional or local R&I and health systems;
- Facilitate integration of Mission activities at national, regional, and local levels;
- Facilitate engagement of actors and stakeholders beyond R&I and health systems to cover all areas relevant for cancer control, e.g. cross-policy dialogues;
- Support citizen engagement activities.



Current main activities

- Citizen engagement activities: six focus groups (June-Oct. 2022), workshops and conference with young cancer survivors (6-7 February 2023)
- Enhance awareness, dialogues and buy-in from Member States, regions and stakeholders
- Phase-2 Mission Board: working on implementation aspects
- Building synergies: e.g. Europe's Beating Cancer Plan, EU4Health, Horizon Europe partnerships, other Missions, Euratom, European Innovation Council (EIC), EIT-Health, European Investment Bank (EIB), cancer charities
- **WP2023:** reference to Photonics21 partnership, EHDS, 1+ Million Genomes initiative, ESFRI research infrastructures, Cities Mission (prevention), Soil Mission (prevention), Farm to Fork (dietary behaviour)



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EU MISSIONS
CANCER 

Thank you!

#EUmissions

#HorizonEU

#MissionCancer

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