



EUROPEAN UNION

EU MISSIONS



Concrete solutions for our greatest challenges

The European Strategy on cancer

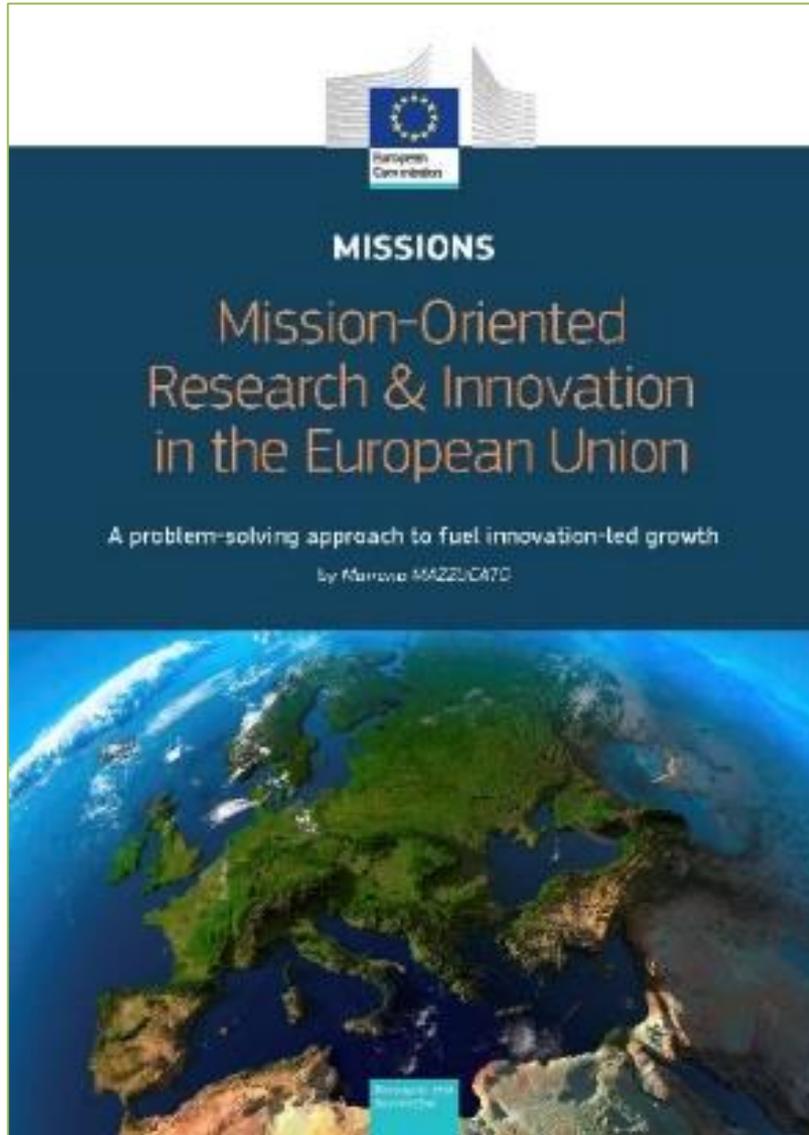
Walter Ricciardi – Chair of the Mission Board on Cancer

#EUmissions #HorizonEU



« Mission » concept

2018



The Mission-oriented research and innovation approach

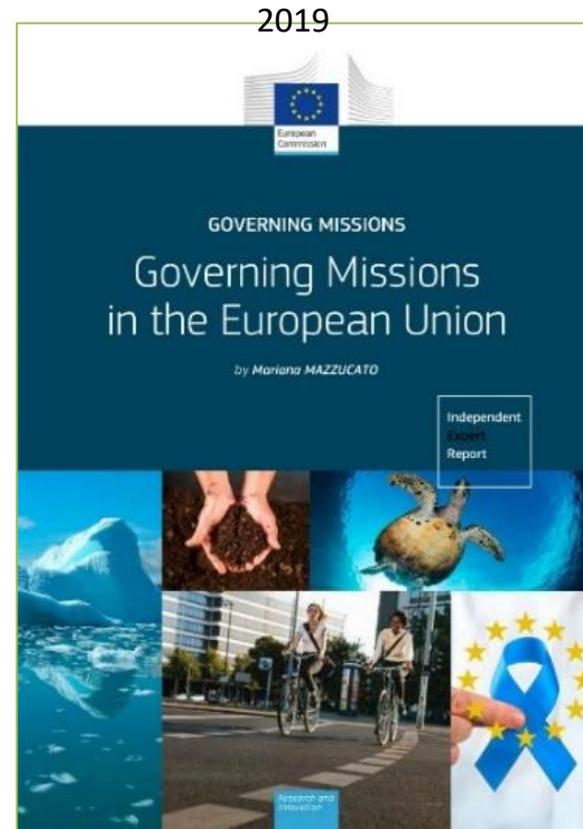
*« Missions provide a solution, an opportunity, and an approach to address the numerous **challenges that people face in their daily lives** ».*

Professor Mariana Mazzucato

« Mission » concept



Commissioner Moedas and Professor Mazzucato



5 Mission Areas



**Adaptation to
climate change,
including societal
transformation**



Cancer



**Soil health &
food**



**Climate-neutral
& smart cities**



**Healthy oceans,
seas, coastal &
inland waters**

Goals of Missions

- to give direction to European research and innovation in solving society's pressing challenges and produce tangible results
- to involve citizens and stakeholders more closely in setting research priorities, but not only, which will lead to equal access for everyone in Europe to the best of European innovation & research, resources, and global know-how

The Mission Board for Cancer

high-level independent experts (15)

- research, academia, and medicine
- patient associations and NGOs
- industry and innovation
- international agencies

Assembly (26 experts)

- sounding board
- additional ideas
- Broad know-how
- citizen engagement
- Cancer organisations & stakeholders



Walter Ricciardi

Professor of Hygiene
and Public Health at the
Catholic University of
the Sacred Heart in
Rome
Chair



**Christine
Chomienne**

Professor of Cellular
Biology at the Université
Paris Diderot, Paris
Vice-Chair

https://ec.europa.eu/info/files/members-mission-board-cancer_en

https://ec.europa.eu/info/files/members-mission-assembly-cancer_en

Work of the Mission Board

Citizen engagement and ambassador activities
more than 100 meetings

Citizen engagement

- citizen engagement events *in nat'l language*
- stakeholder events *in nat'l language or English*
- 2 EU-wide Focus Groups. *in English*

- Austria* • Italy*
- Belgium* • [Latvia](#)
- Bulgaria* • Lithuania*
- [Croatia](#)* • Luxembourg*
- Cyprus* • [Malta](#)*
- Czech Republic* • [Netherlands](#)*
- Denmark* • [Poland](#)*
- [Estonia](#)* • [Portugal](#)*
- Finland* • [Romania](#)*
- France* • Slovakia*
- Germany* • Slovenia*
- [Greece](#)* • Spain*
- Hungary* • Sweden*
- Ireland*

Board as 'Ambassadors

- Meeting with Ministry of Research, Health, Economics or Education
- Citizen engagement (citizens, patients and caregivers) on outline and/or several recommendations
- Meeting nat'l and EU stakeholders all sectors
- Support from Assembly members if deemed useful
- Take into account written/published input from range of stakeholders all sectors

EU-Missions

survey



missions-get-involved.ec.europa.eu



TURNING THE TIDE ON CANCER: THE VIEW OF
NATIONAL PARLIAMENTS ON EUROPE'S BEATING
CANCER PLAN



BECA SPECIAL COMMITTEE
ON BEATING CANCER

CHAIR BY: **Bartosz ARŁUKOWICZ**,
Chair of the Special Committee on Beating Cancer

MONDAY, 27 SEPTEMBER 2021
9.00 - 12.00
ROOM SPAAK 3C050
EUROPEAN PARLIAMENT, BRUSSELS

Interparliamentary
Committee Meeting

European Parliament
National Parliaments



With the support of the Directorate
for Relations with National Parliaments

Rapporteur BECA
European Beating Plan Cancer Plan
Véronique Trillet-Lenoir



Reports of the 5 Missions
Sept 2020



Green light for the 5 Missions
September 2021

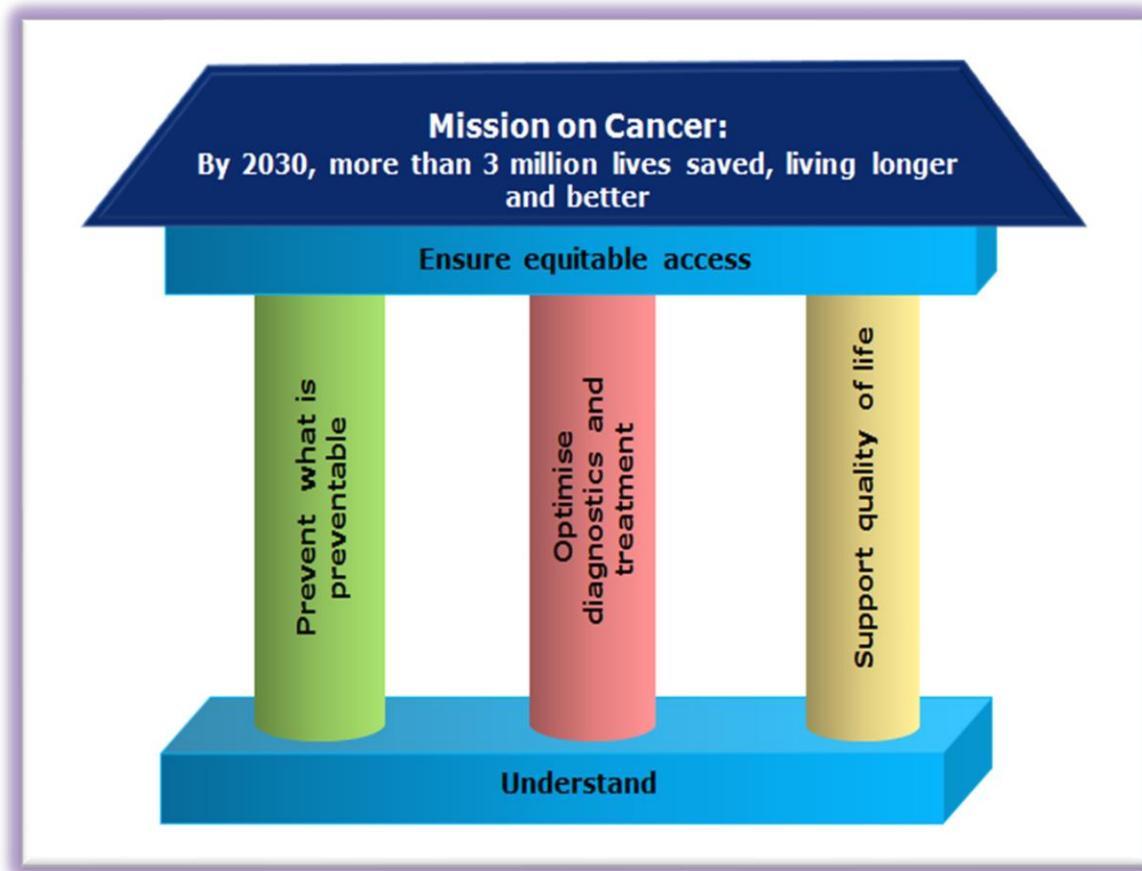
Launch of the 5 Missions Implementation Plans 29 September 2021

€1.9 billion until 2023.



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

5 intervention areas to reach The Cancer Mission target

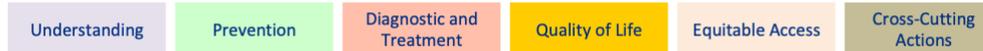


**13 patient/citizen centered
recommendations for bold actions**

13 Recommendations for bold actions

- 1 Launch **UNCAN.eu** – a European Initiative to Understand Cancer
- 2 Develop an EU-wide research programme to identify **(poly-) genic risk scores**
- 3 Support the development and implementation of **effective cancer prevention strategies** and policies within Member States and the EU
- 4 Optimise existing screening programmes and develop **novel approaches for screening and early detection**
- 5 Advance and implement **personalised medicine approaches** for all cancer patients in Europe
- 6 Develop an EU-wide research programme on **early diagnostic and minimally invasive treatment technologies**
- 7 Develop an EU-wide research programme and policy support to improve the **quality of life of cancer patients and survivors, family members and carers**, and all persons with an increased risk of cancer
- 8 Create a **European Cancer Patient Digital Centre** where cancer patients and survivors can deposit and share their data for personalised care
- 9 Achieve **Cancer Health Equity** in the EU across the continuum of the disease
- 10 Set up a network of **Comprehensive Cancer Infrastructures** within and across all EU Member States to increase quality of research and care
- 11 **Childhood cancers** and cancers in adolescents and young adults: cure more and cure better
- 12 Accelerate innovation and implementation of new technologies and **create Oncology-focused Living Labs** to conquer cancer
- 13 **Transform cancer culture**, communication and capacity building

13 Recommendations for bold actions



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Roles and responsibilities

European Commission

Defines policy

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



HaDEA

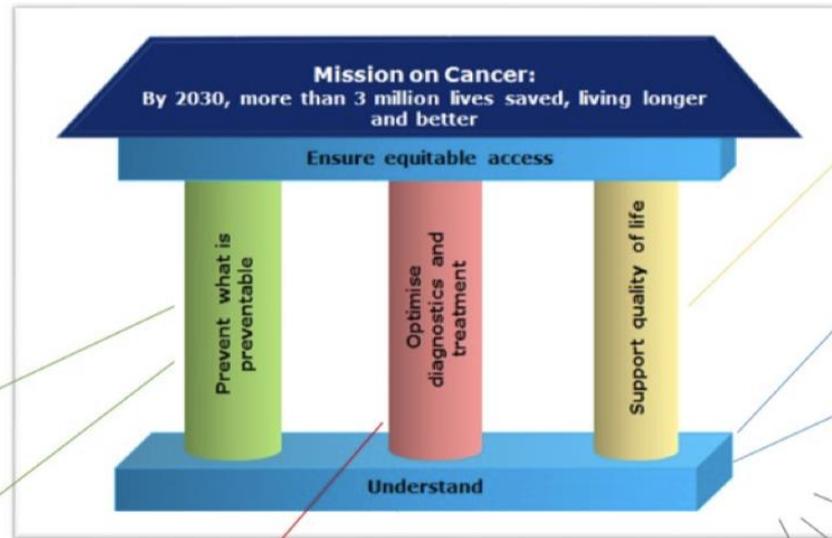
Turns policy into action

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

Horizon Europe Mission WP2021-2022 topics

Overall approach

- Apply mission-guiding principles
- Cooperation with Cancer Plan
- Budget 2021-2022: € 255 M



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

Pragmatic clinical trials to optimise treatments for patients with refractory cancers
HORIZON-MISS-2022-CANCER-01-03

Establishing of national cancer mission hubs and creation of network to support 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

Preparing UNCAN.eu, a European initiative to understand cancer
HORIZON-MISS-2021-UNCAN-01-01

Better understanding of the impact of risk factors and health determinants on the development and progression of cancer
HORIZON-MISS-2021-CANCER-02-03

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

Towards the creation of a European Cancer Patient Digital Centre
HORIZON-MISS-2022-CANCER-01-04

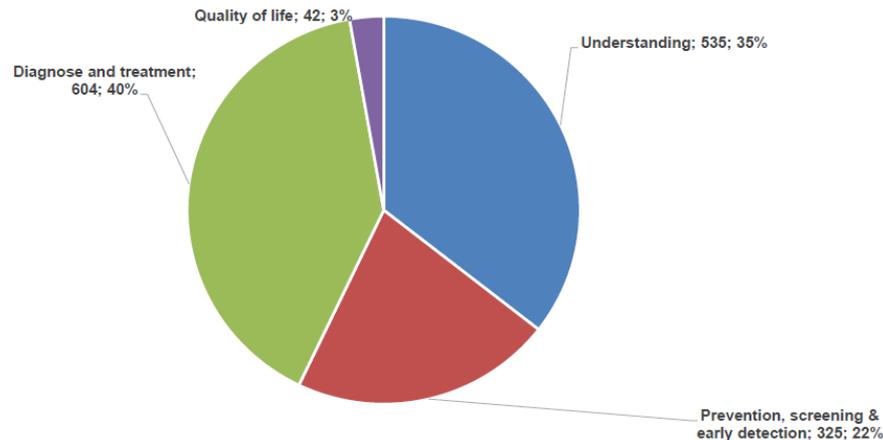
Summary cancer portfolio Horizon 2020 (1)

Cancer Mission

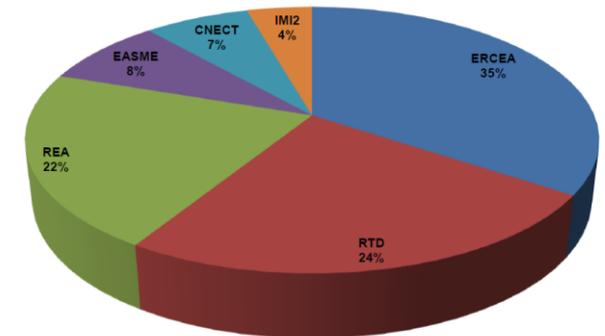
Mission objectives	Category	Number	EU funding
Understanding	Biology	404	526.143.139
Understanding	Aetiology	37	34.173.454
Understanding	Scientific model systems	41	82.711.551
Understanding	Environment	20	31.551.161
Understanding	Microbiome	33	46.104.450
Prevention, screening & early detection	Prevention	20	37.484.205
Prevention, screening & early detection	Early detection, diagnosis	303	497.637.811
Prevention, screening & early detection	Food, nutrition, diet	0	13.757.202
Prevention, screening & early detection	Physical activity	2	10.277.202
Diagnose and treatment	Treatment	604	761.535.801
Quality of life	Control, survivorship	42	129.940.764

Mission objectives	Number	EU funding
Understanding	535	720.683.755
Prevention, screening & early detection	325	559.156.421
Diagnose and treatment	604	761.535.801
Quality of life	42	129.940.764
Grand Total	1.505	2.171.316.741

Cancer Mission objectives (number of projects)



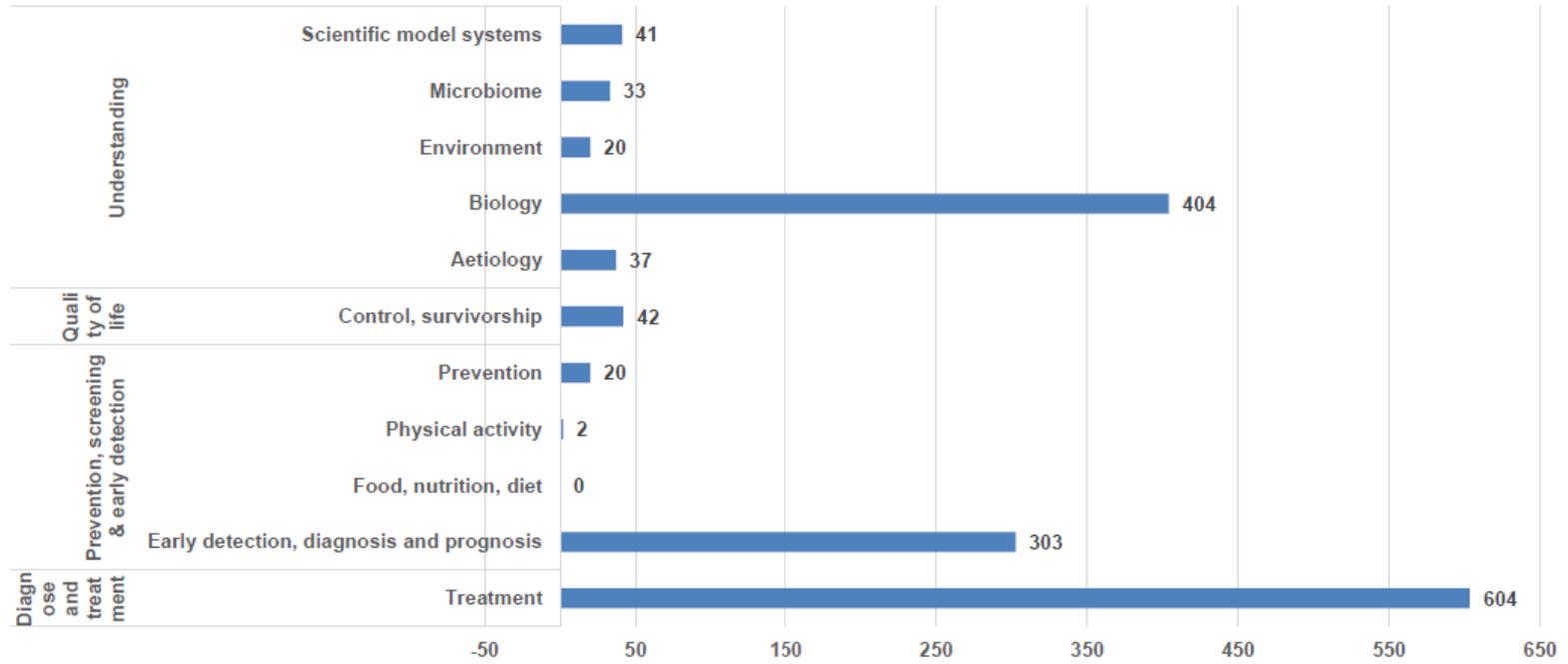
EU contribution across programmes



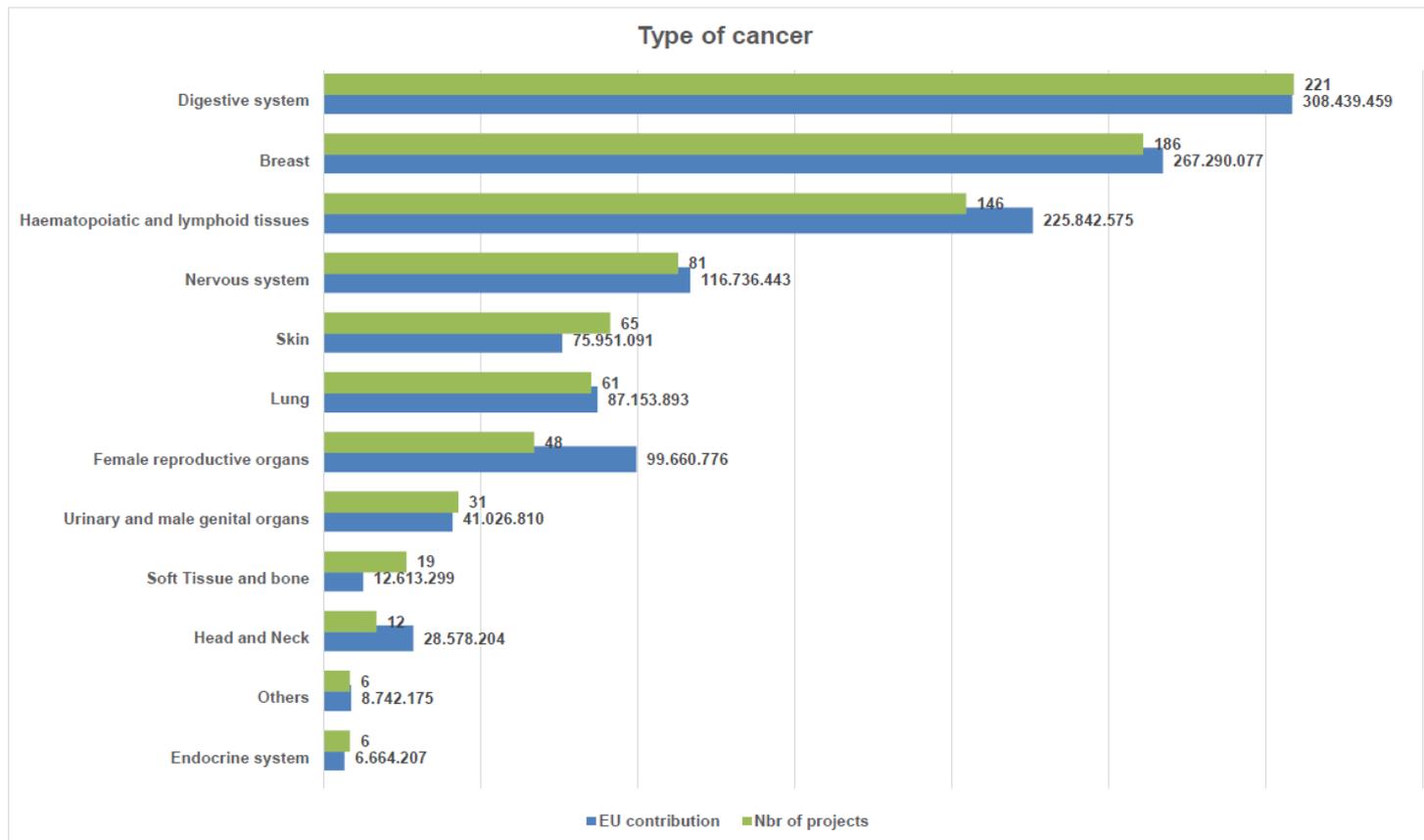


Summary cancer portfolio Horizon 2020 (2)

Cancer Mission Objectives by category

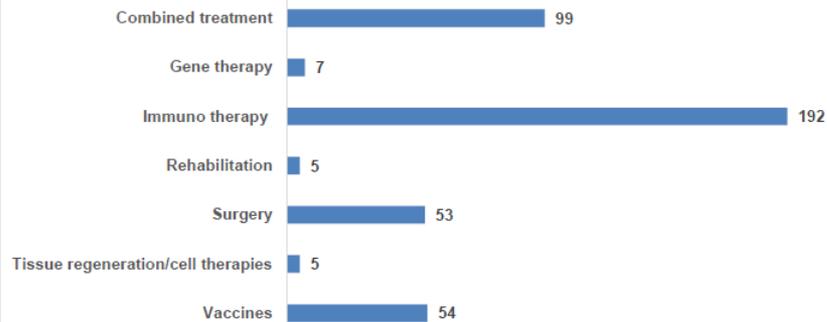


Summary cancer portfolio Horizon 2020 (3)

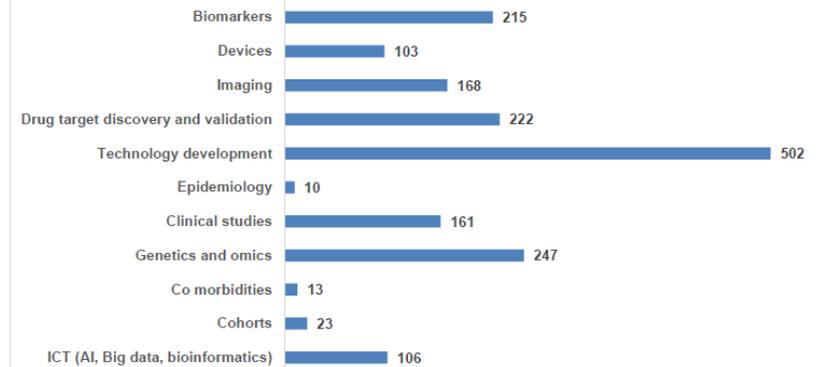


Summary cancer portfolio Horizon 2020 (4)

Type of intervention/technology



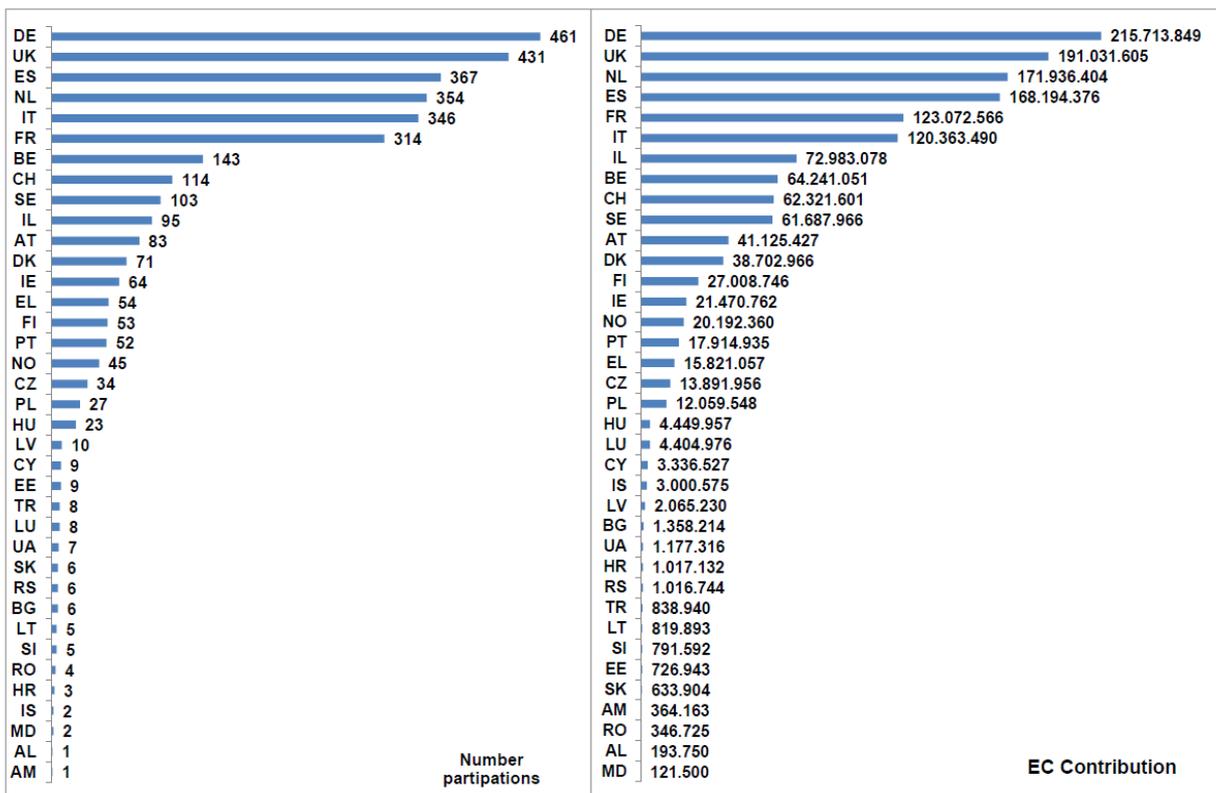
Type of research/technology/methodology





Summary cancer portfolio Horizon 2020 (5)

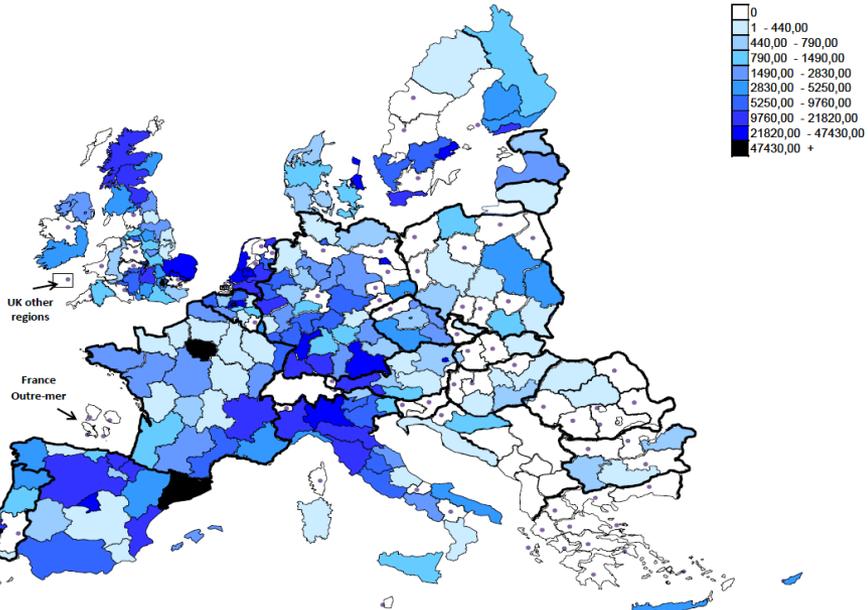
Distribution by Member States & Associated States



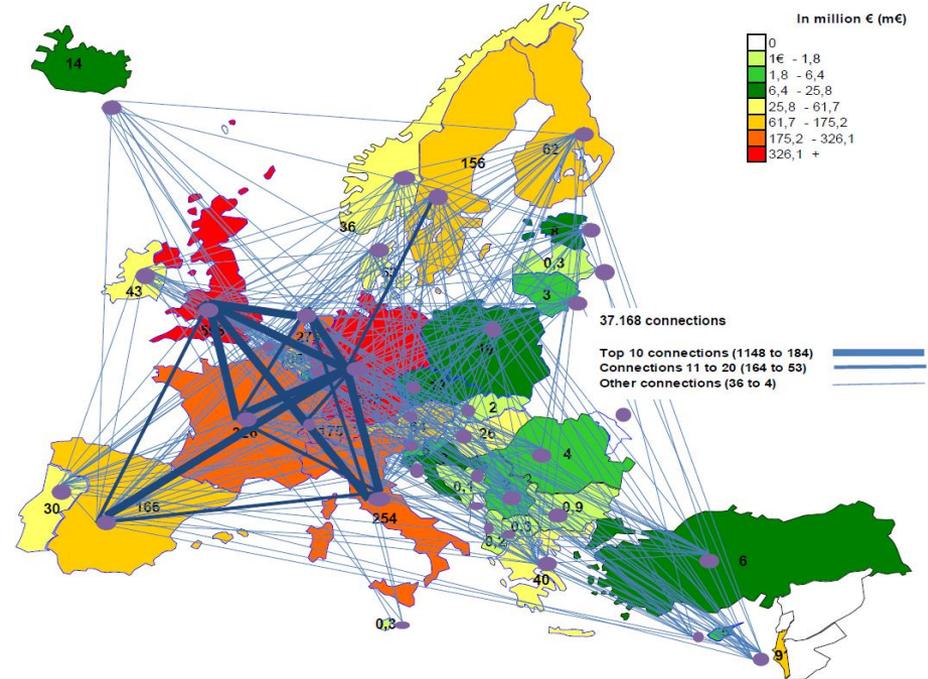


Summary cancer portfolio Horizon 2020 (6)

EU contribution regions beneficiaries



Connections between



Work of the Mission Board

Advise on the Implementation of Mission Actions May 2021

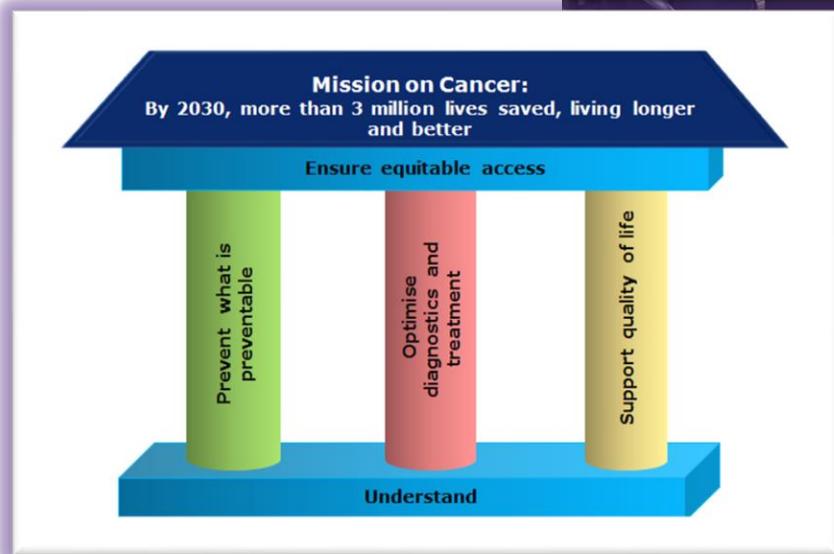
In synergy with the Europe's Beating Cancer Plan

S Kyriakides

DG Santé

M Gabriel

DG RTD





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

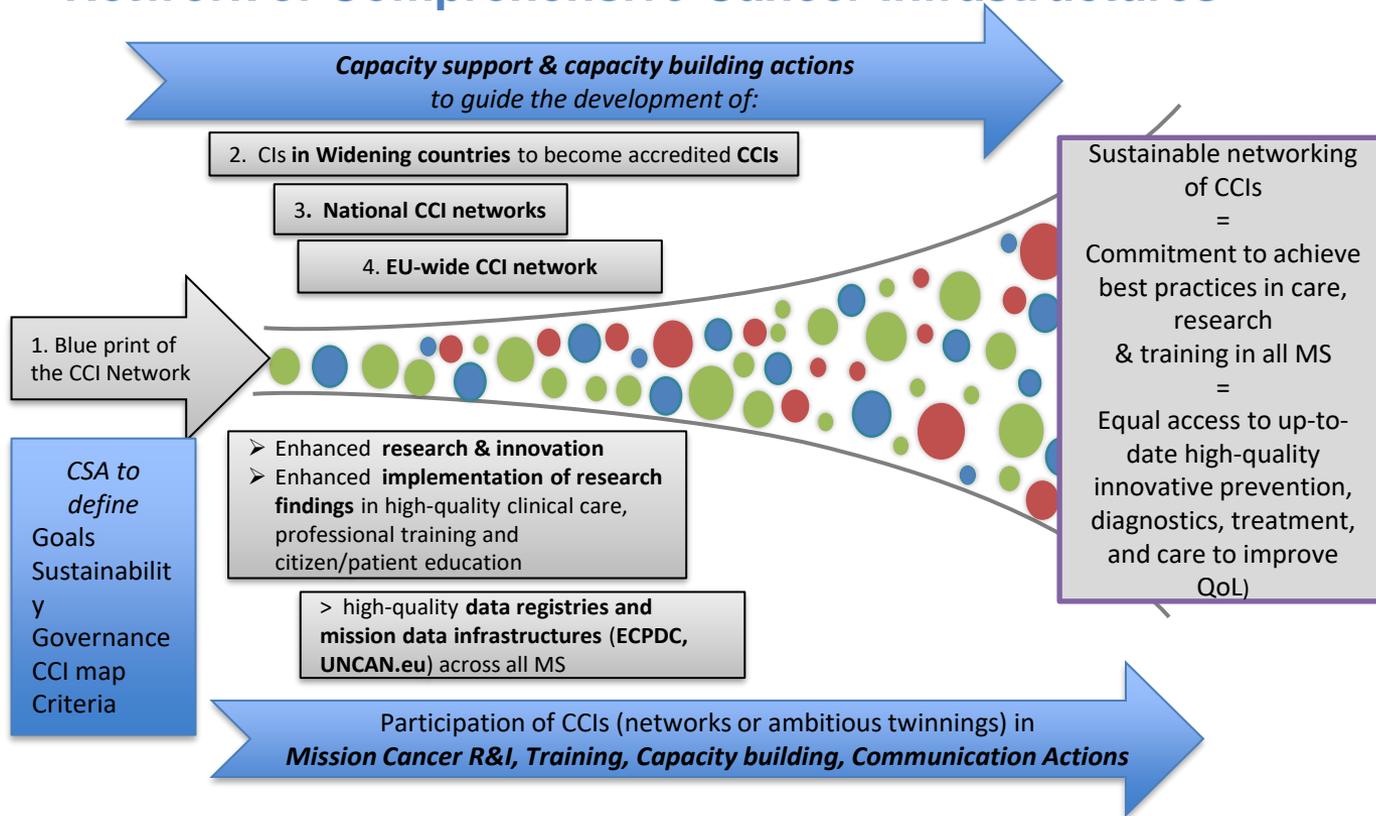
Other initiatives:

- EU4Health
- Digital Europe
- EIC

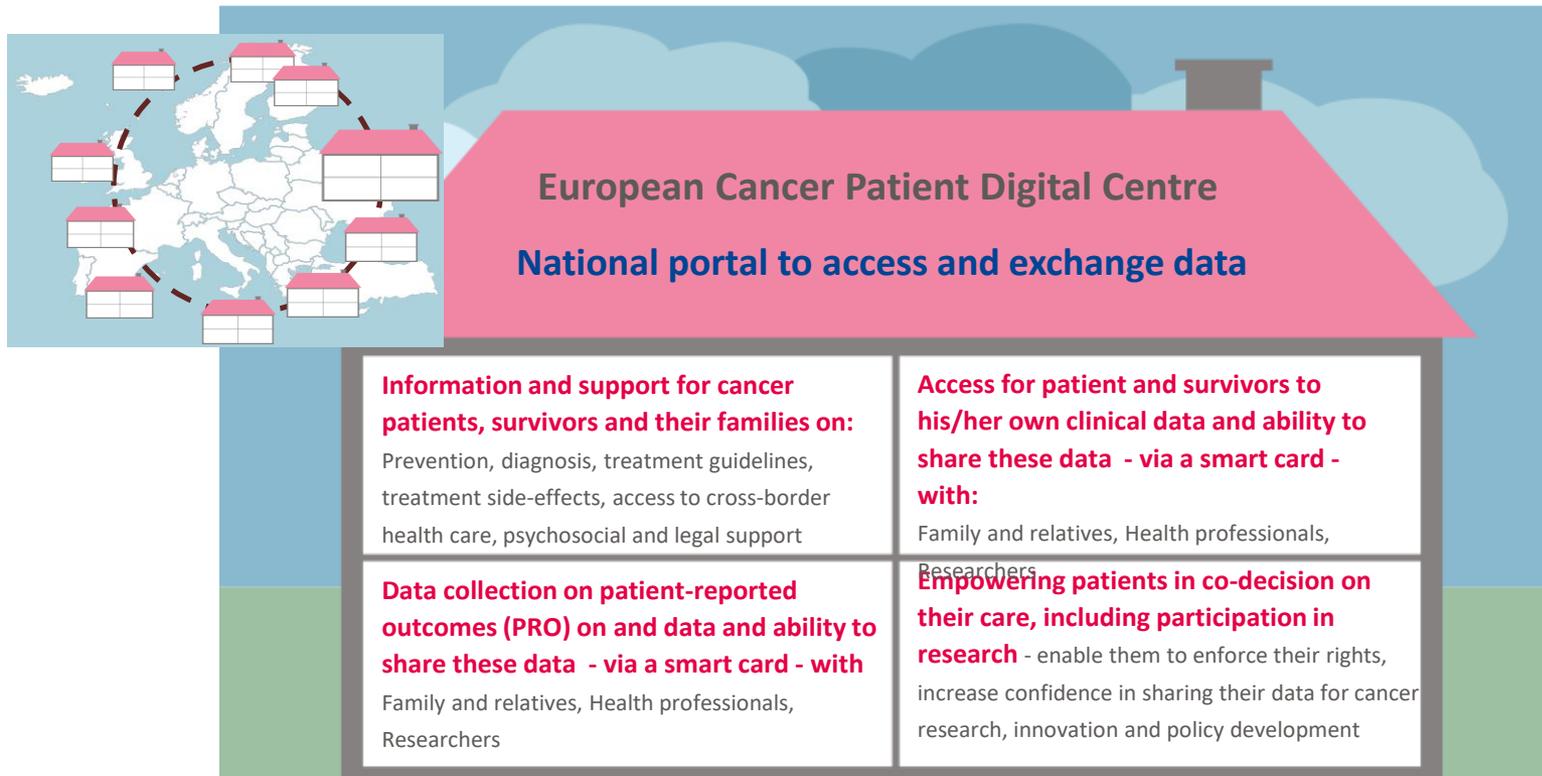
National activities



Network of Comprehensive Cancer Infrastructures



European Cancer Patient Digital Centre – concept

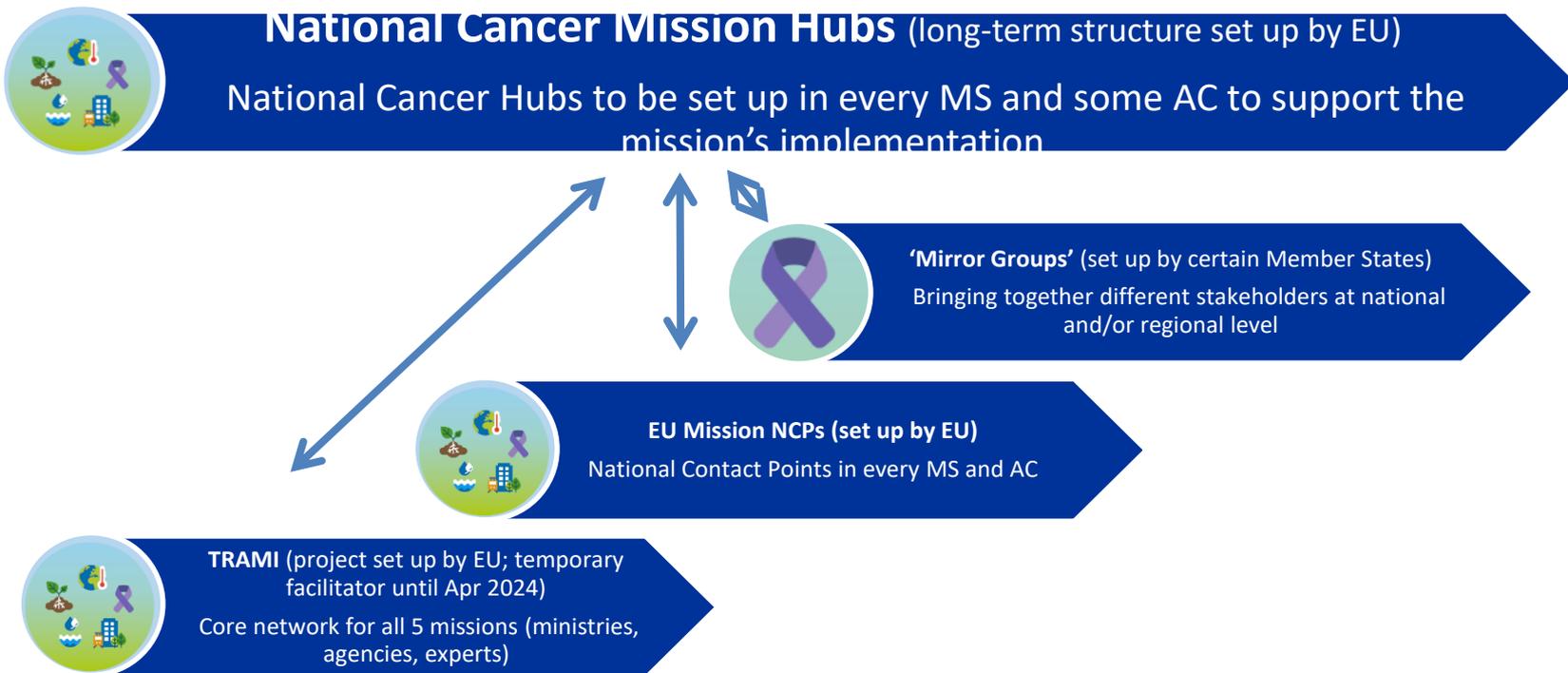




Joint governance established

- **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



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.



BE SURE
TO WASH YOUR
HANDS AND ALL
WILL BE WELL.

COVID-
19

RECESSION

CLIMATE
CHANGE

BIODIVERSITY
COLLAPSE

MACKAY
wackyart.com

Our demography, our economy

In 1960 the population of the 27 countries that currently make up the Union represented 12.9% of the world population

Today it represents 5.7%

By 2070 the EU is expected to make up only 3.7% of humanity

Europe currently spends almost 50% of global expenditure on welfare and social services

In 2013 European GDP was 91% of the American one, it is now 65.

Draghi: “The global economic order is changing, bringing challenges for politics”

“The nature of the shocks our economies face will change”

Washington, February 15 2024 © Agenzia Nova - Reproduction reserved



European Markets | Regulatory & Policy

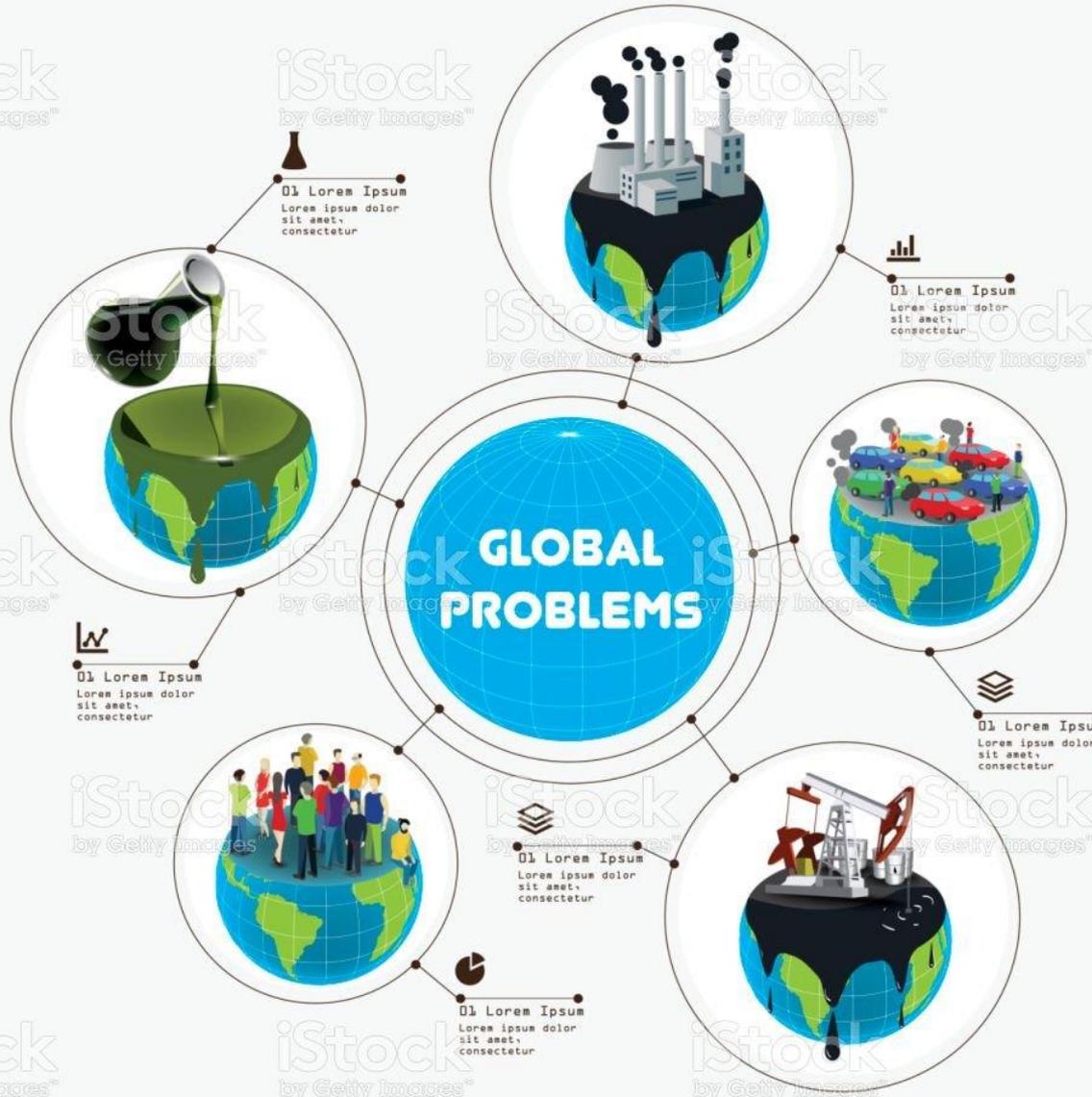
Draghi urges EU to catch up rivals or face 'slow agony'

By Philip Blenkinsop



EU Builds Team to Avoid Draghi's Warning of 'Slow Agony' Ahead

- Ursula von der Leyen restructures the European Commission
- She cites Mario Draghi's report on boosting EU competitiveness



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Thank you!

#HorizonEU #EUMissions
#MissionCancer #EUCancerPlan

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