



EUROPEAN UNION

EU MISSIONS



Concrete solutions for our greatest challenges

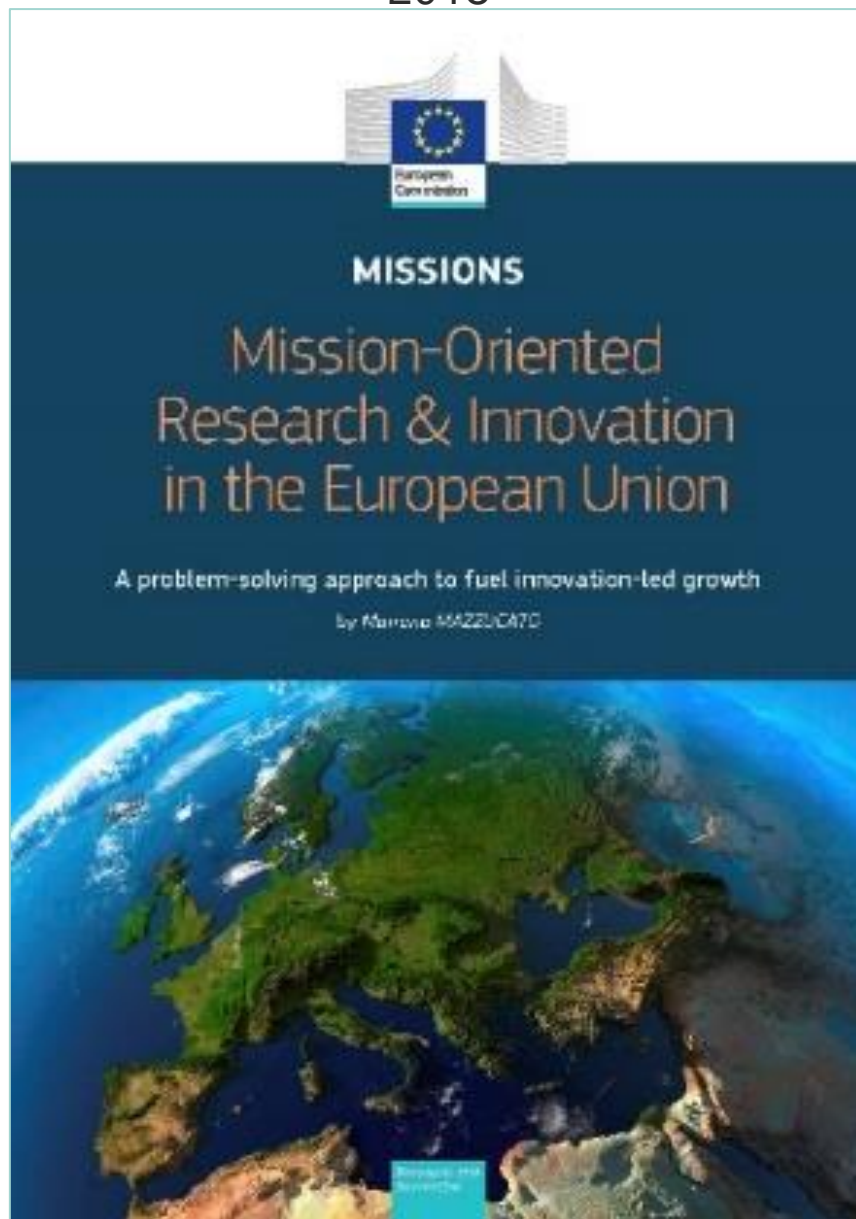
The European Strategy on cancer

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

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

CHAired 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



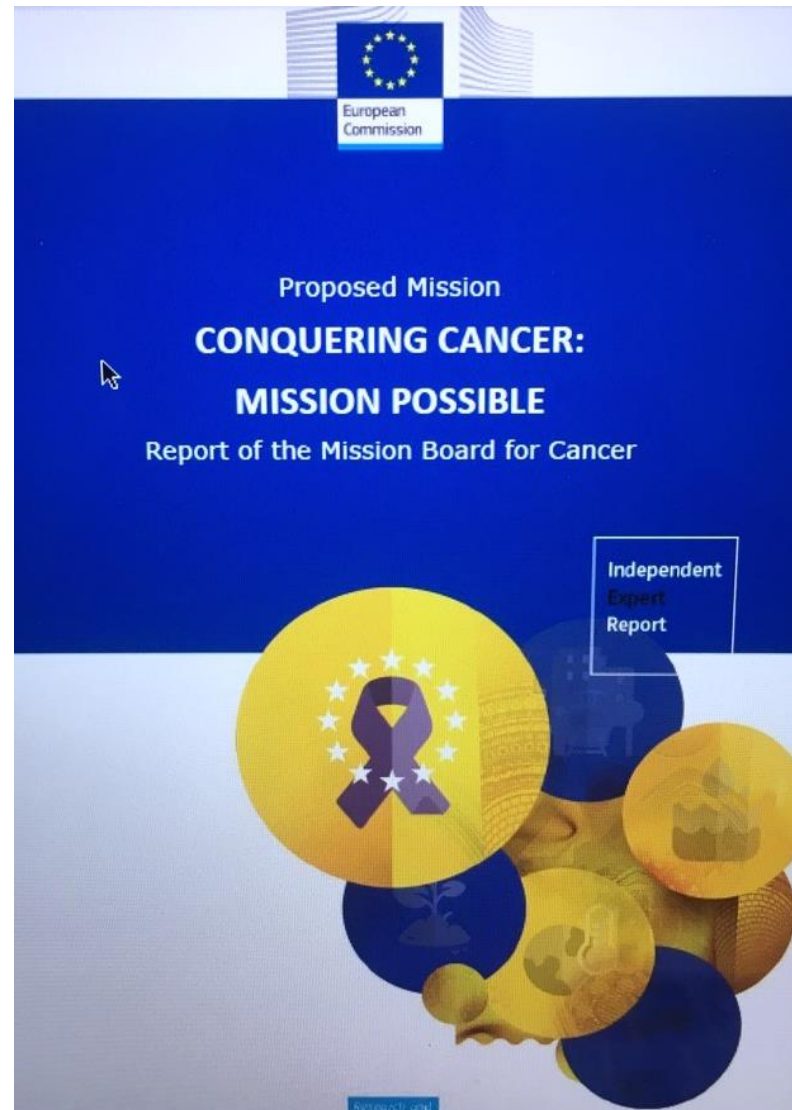
1001992 | © EUROPEAN UNION, 2021

**Rapporteur BECA
European Beating Plan Cancer Plan
Véronique Trillet-Lenoir**

With the support of the Directorate for Relations with National Parliaments



Reports of the 5 Missions
Sept 2020



<https://op.europa.eu/en/web/eu-law-and-publications/publication-detail/-/publication/d0235612-b68a-11ea-bb7a-01aa75ed71a1>

Green light for the 5 Missions
September 2021

Launch of the 5 Missions

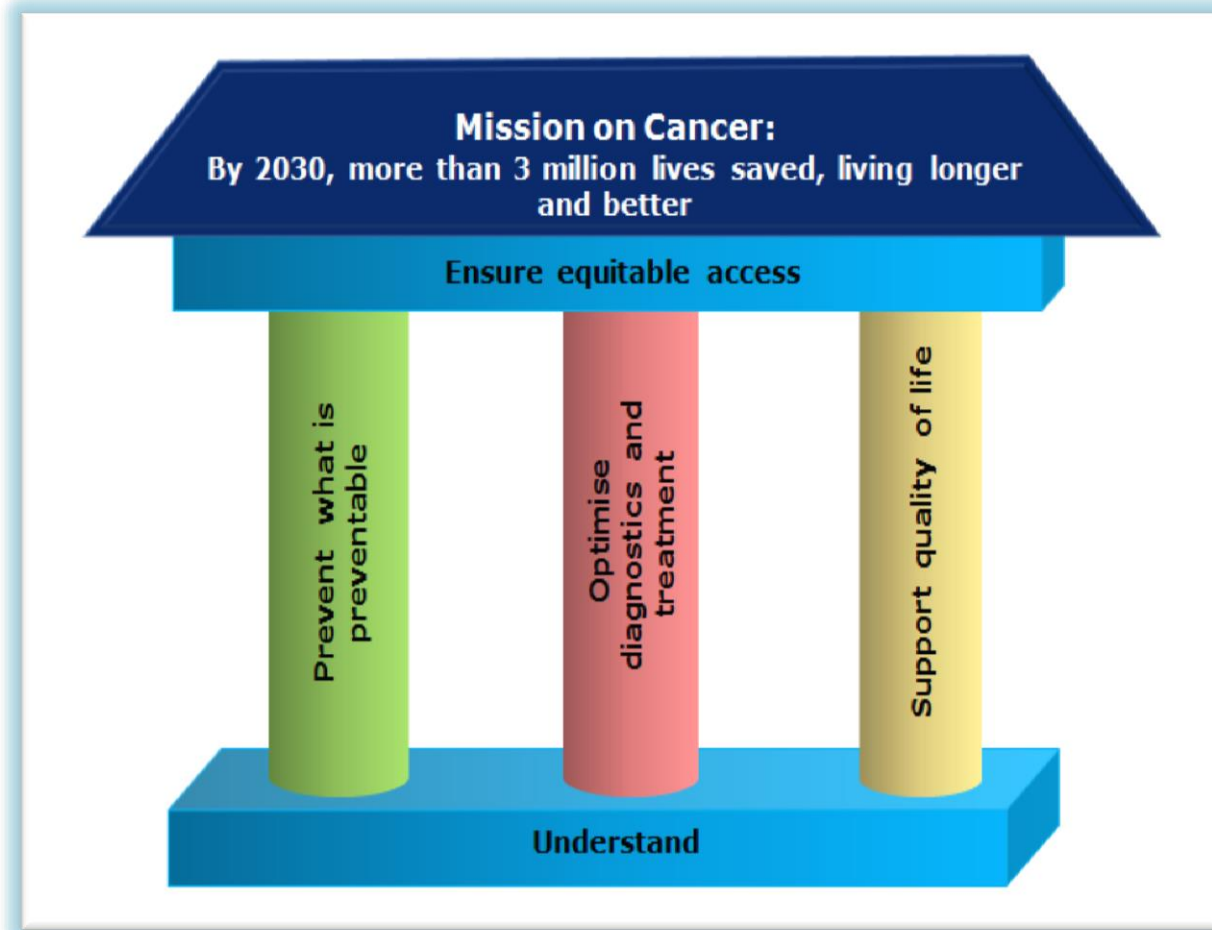
Implementation Plans
29 September 2021

€1.9 billion until 2023.



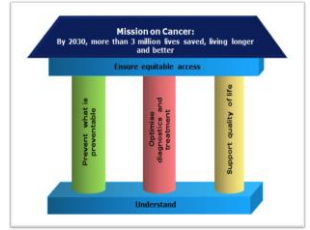
https://ec.europa.eu/info/publications/implementation-plans-eu-missions_en

5 intervention areas to reach The Cancer Mission target



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

13 Bold recommendations for bold actions



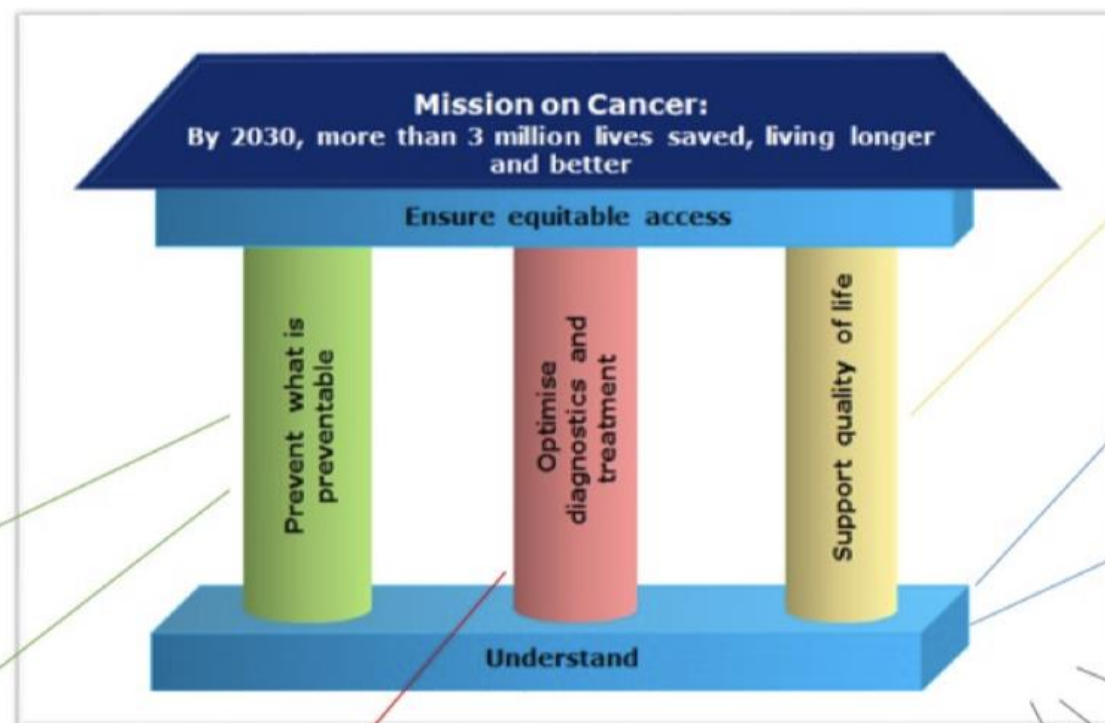
- 1 Launch **UNCAN.eu** – a European Initiative to Understand Cancer
- 2 Develop an EU-wide research programme to identify **(poly-) genic risk scores**
- 3 Support the development and implementation of **effective cancer prevention strategies and policies** within Member States at the EU
- 4 Optimise 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**

- « With ERNs »
- « Rare Cancers »
- « Model of ERNs »
- « Link with ERNs »
- « Cross border »
- « Network »

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



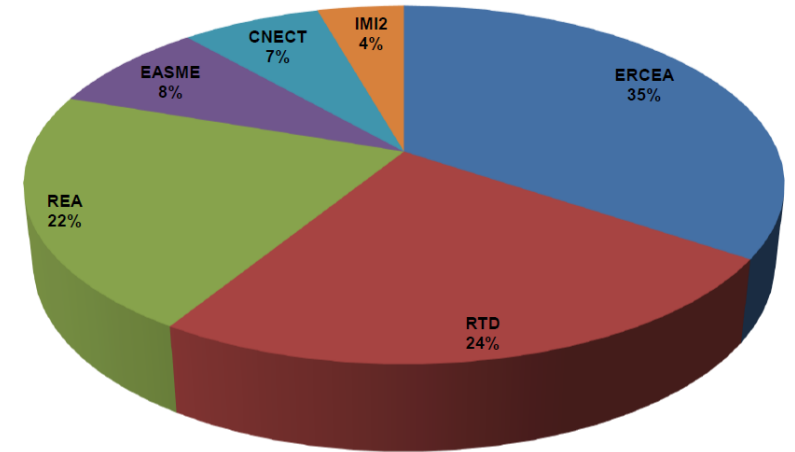
Summary cancer portfolio Horizon 2020 (1)

Cancer Mission

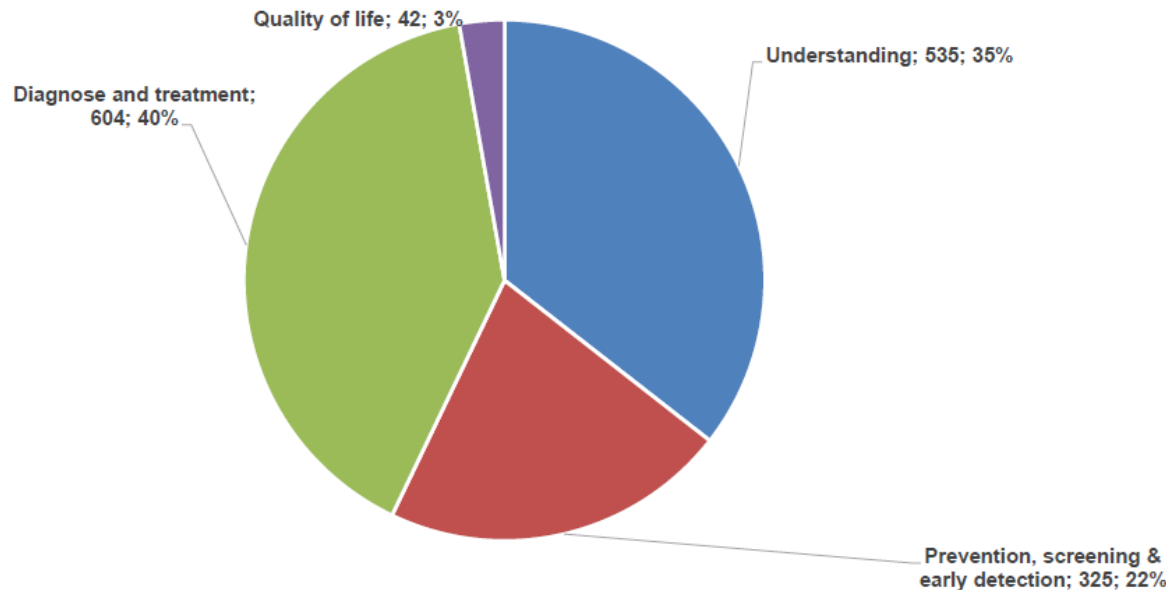
Mission objectives	Category	Number	EU funding
Understanding	Biology	404	526.143.139
Understanding	Aetiology	37	34.173.454
Understanding	Scientific model systems	41	82.711.551
Understanding	Environment	20	31.551.161
Understanding	Microbiome	33	46.104.450
Prevention, screening &	Prevention	20	37.484.205
Prevention, screening &	Early detection, diagnosis	303	497.637.811
Prevention, screening &	Food, nutrition, diet	0	13.757.202
Prevention, screening &	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	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

EU contribution across programmes



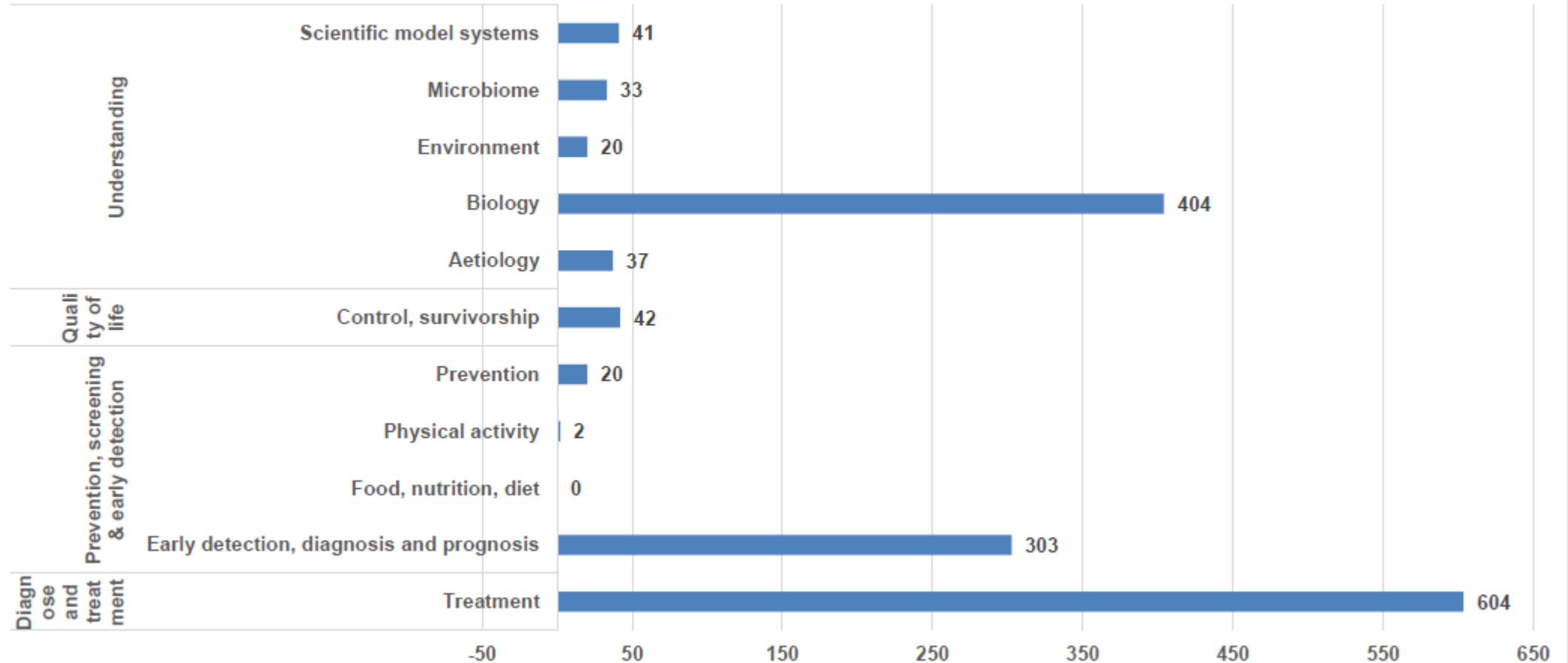
Cancer Mission objectives (number of projects)





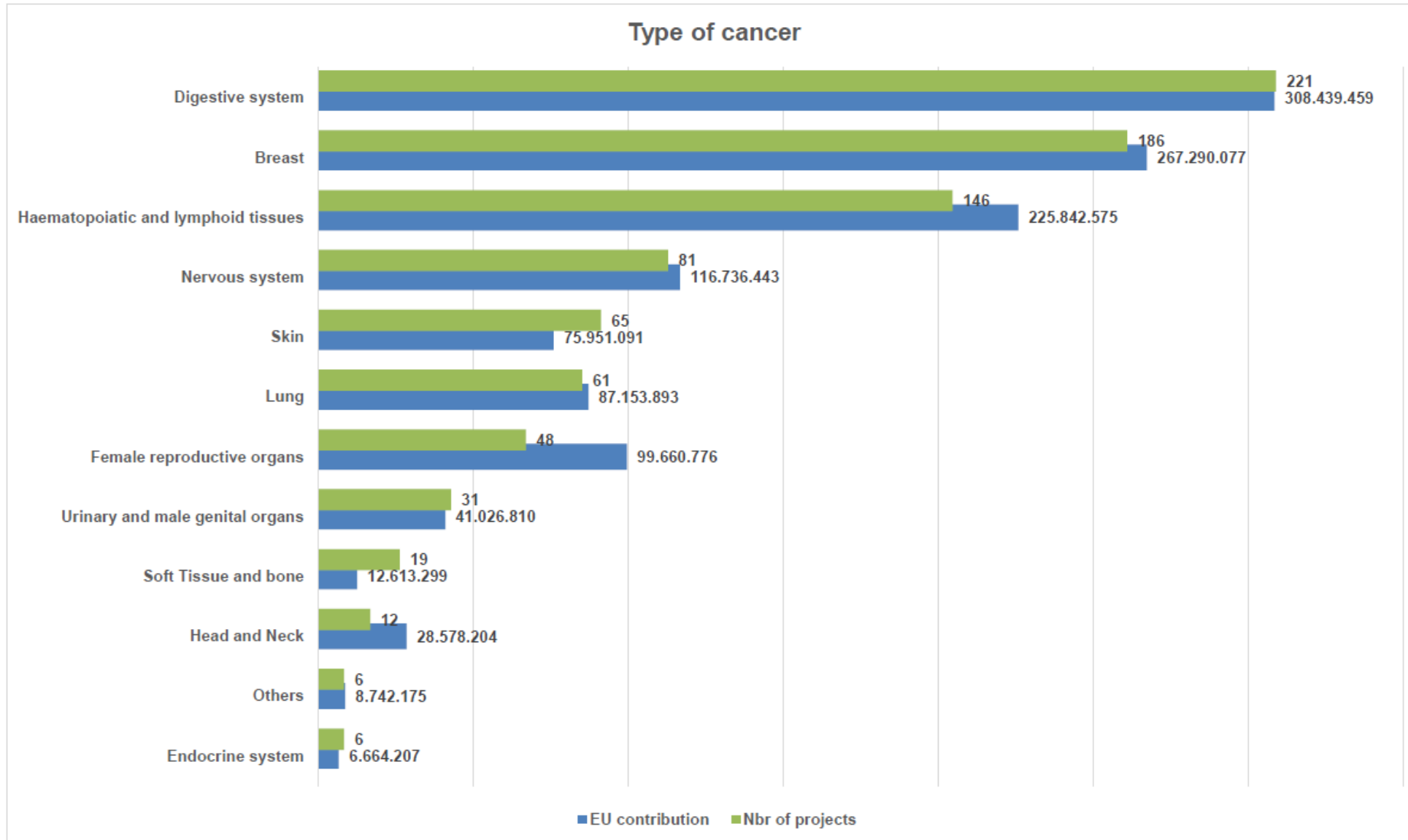
Summary cancer portfolio Horizon 2020 (2)

Cancer Mission Objectives by category





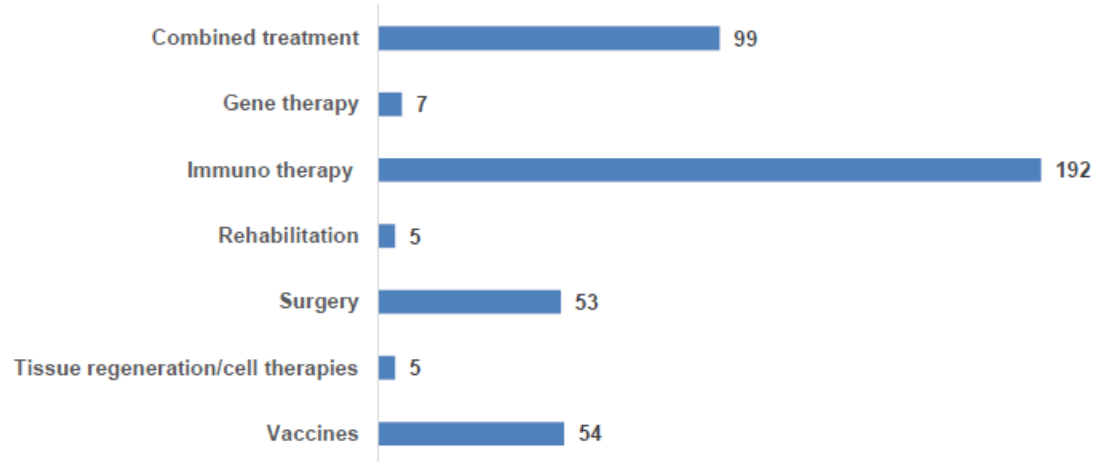
Summary cancer portfolio Horizon 2020 (3)



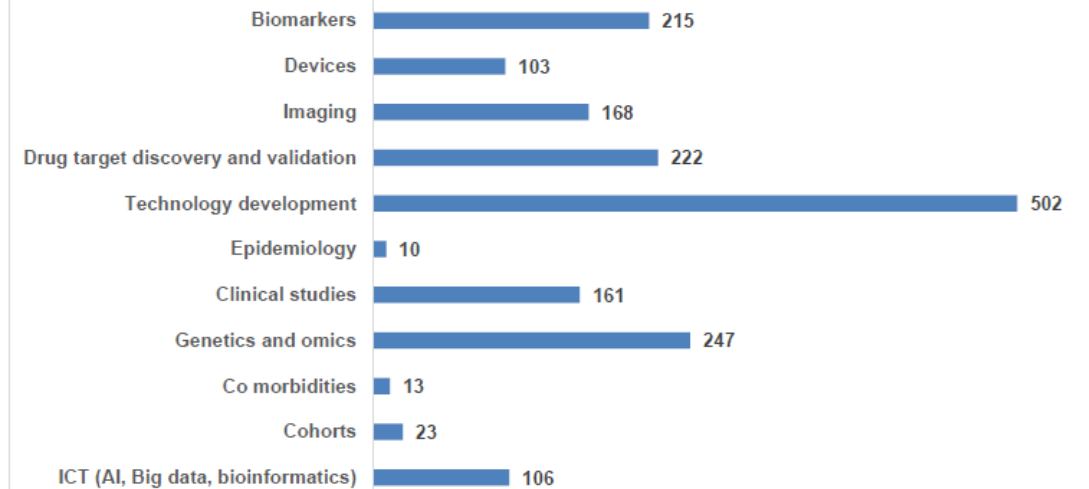


Summary cancer portfolio Horizon 2020 (4)

Type of intervention/technology



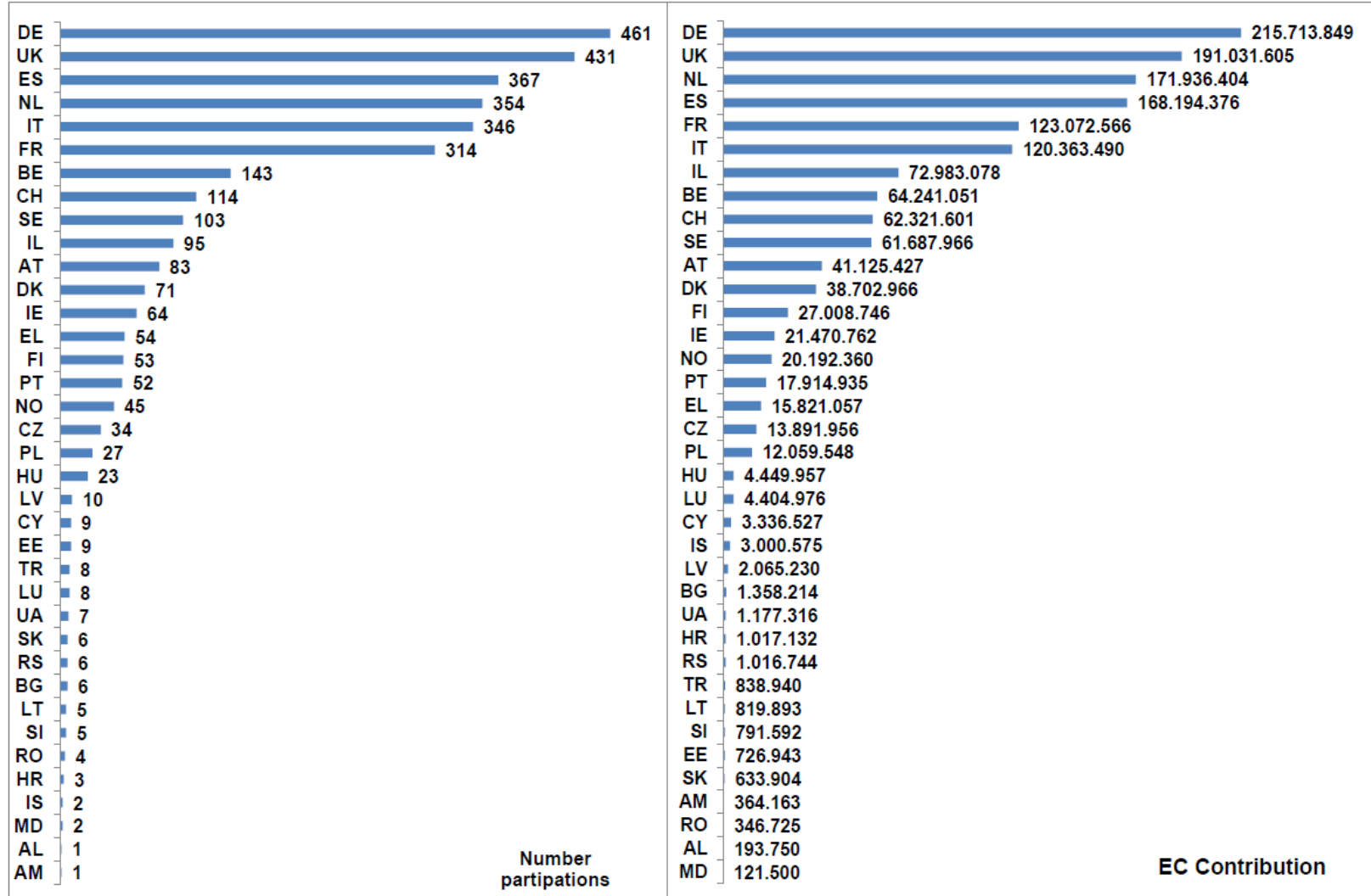
Type of research/technology/methodology





Summary cancer portfolio Horizon 2020 (5)

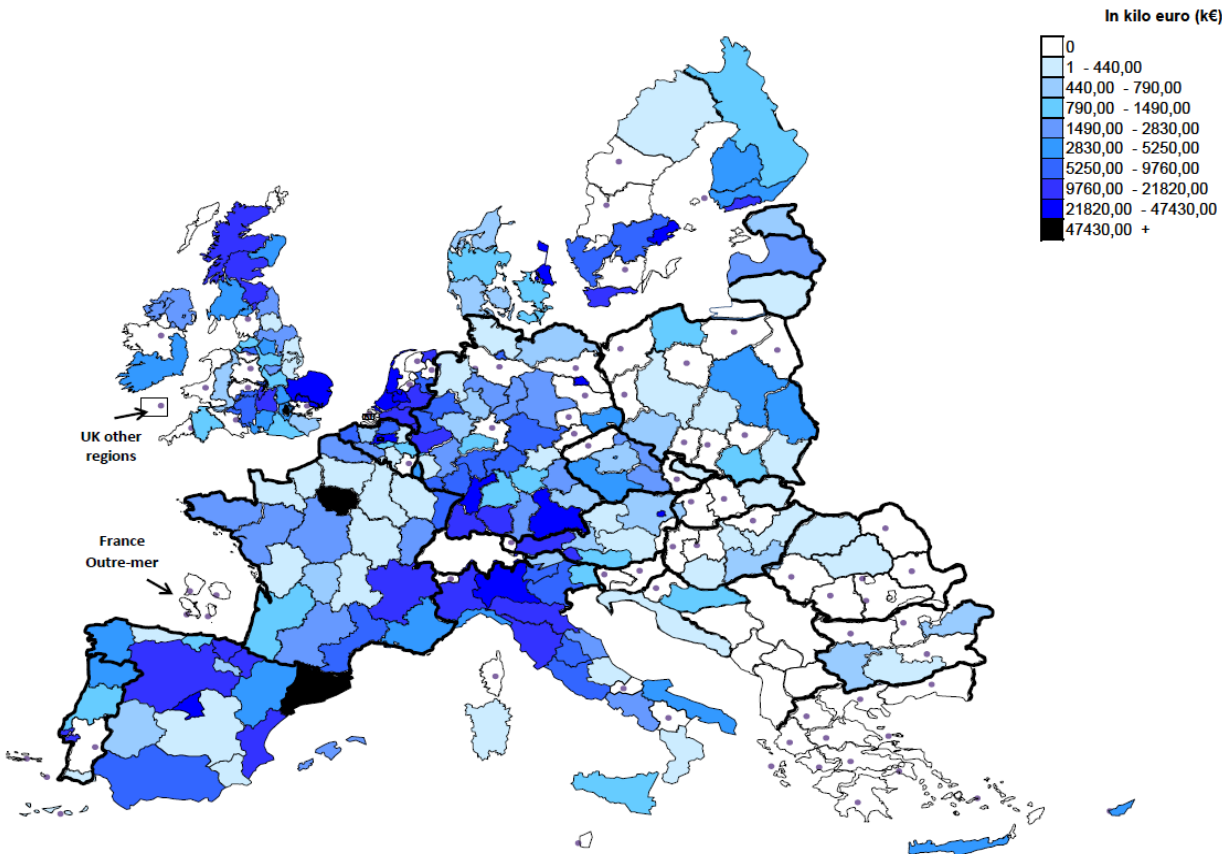
Distribution by Member States & Associated States



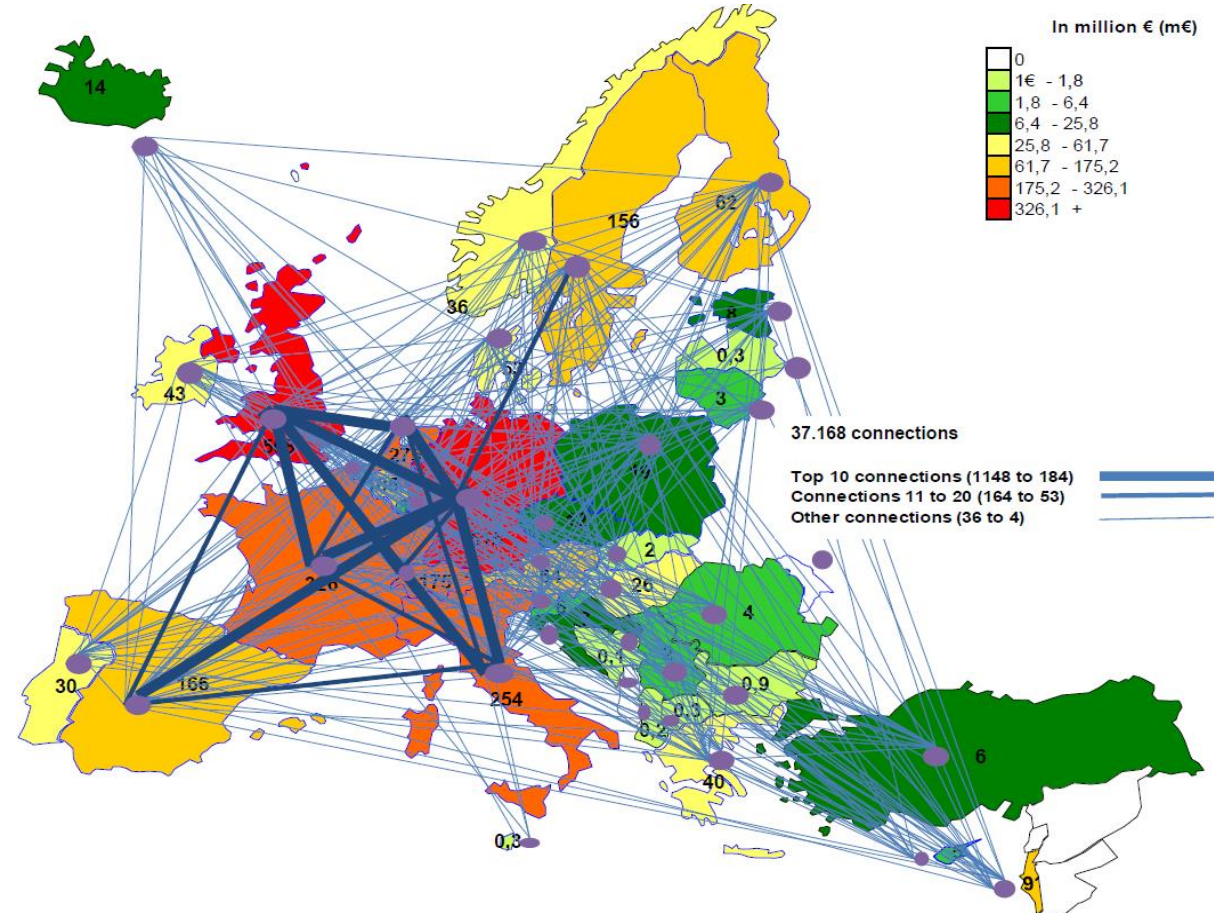


Summary cancer portfolio Horizon 2020 (6)

EU contribution regions

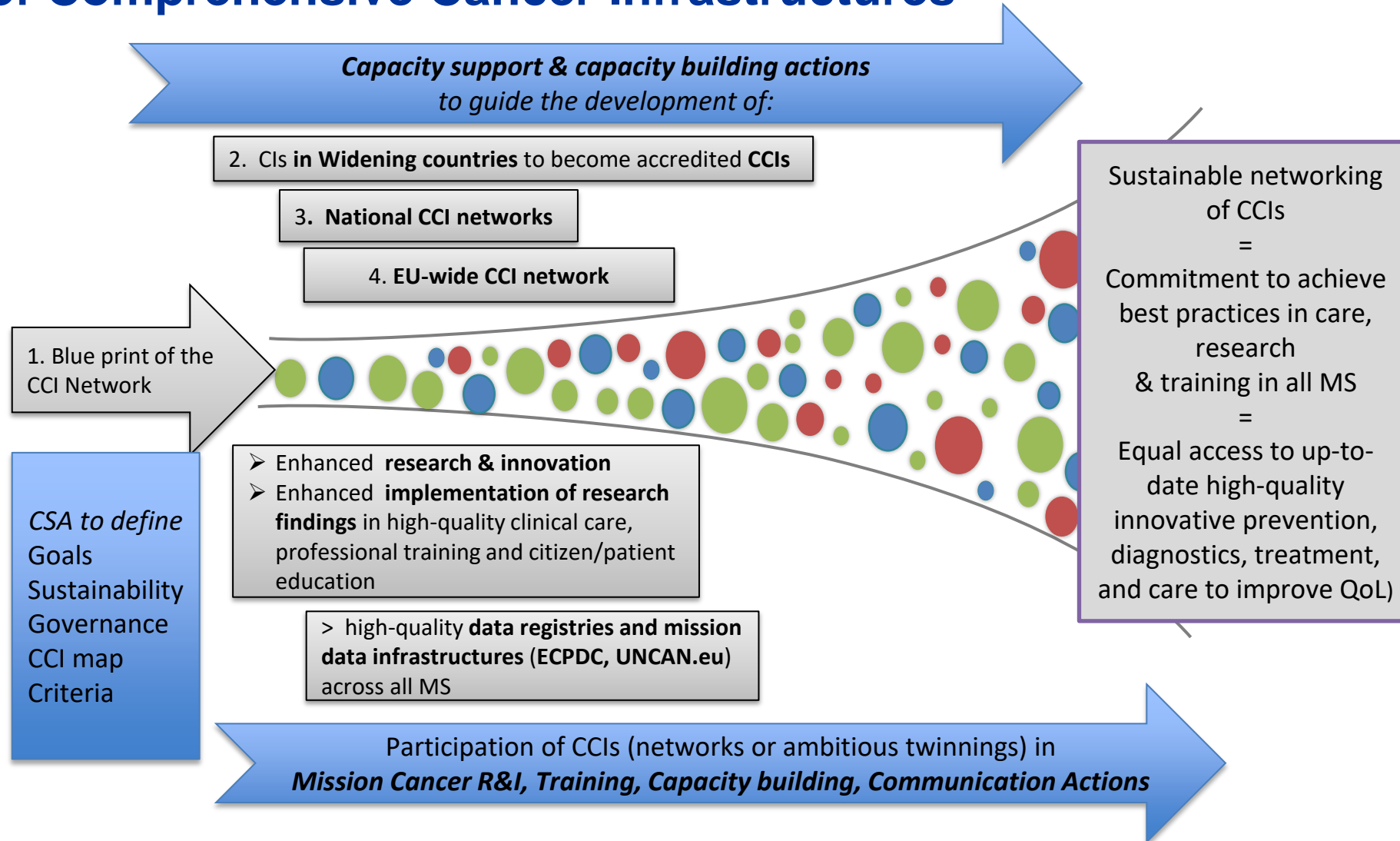


Connections between beneficiaries



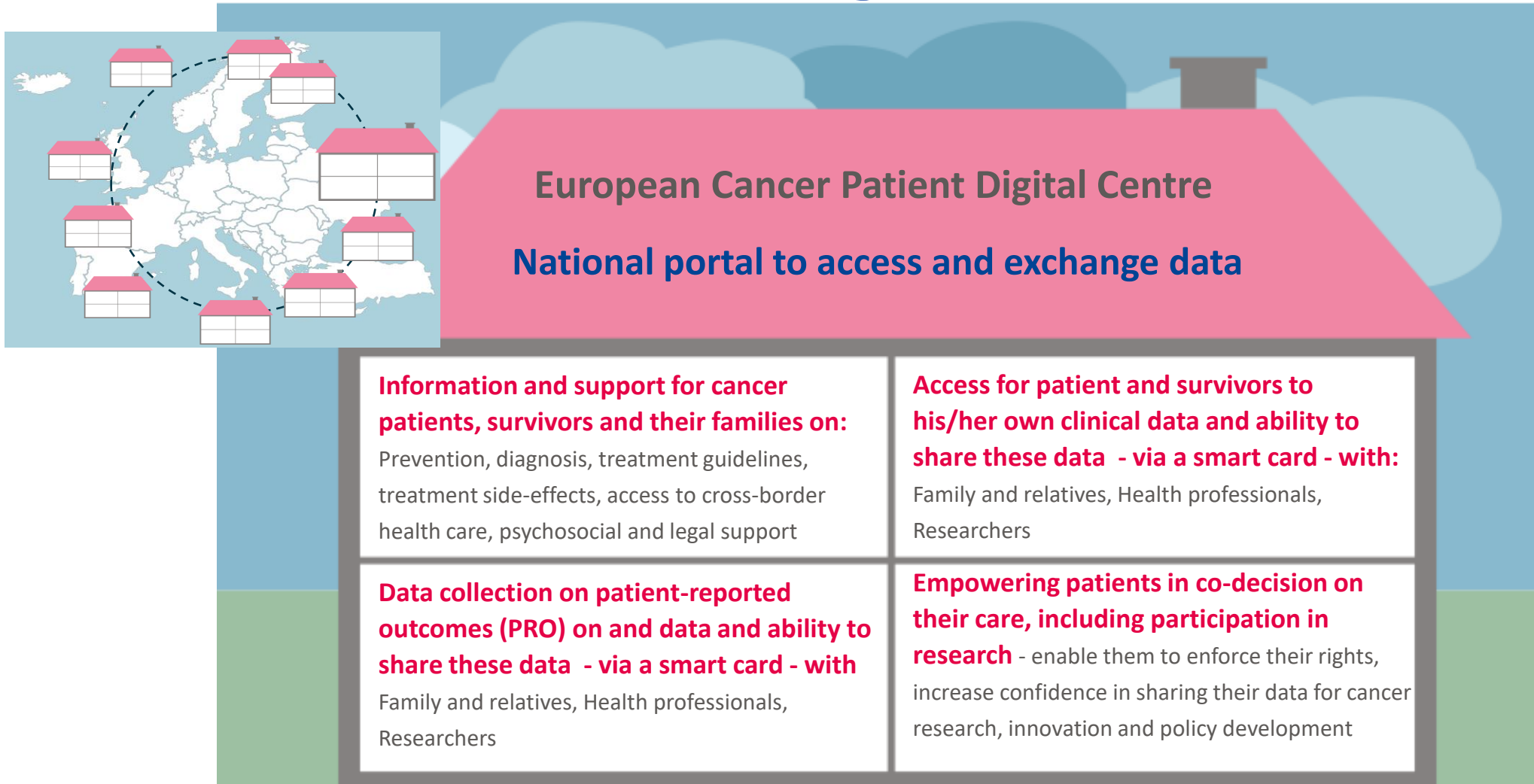


Network of Comprehensive Cancer Infrastructures





European Cancer Patient Digital Centre – concept

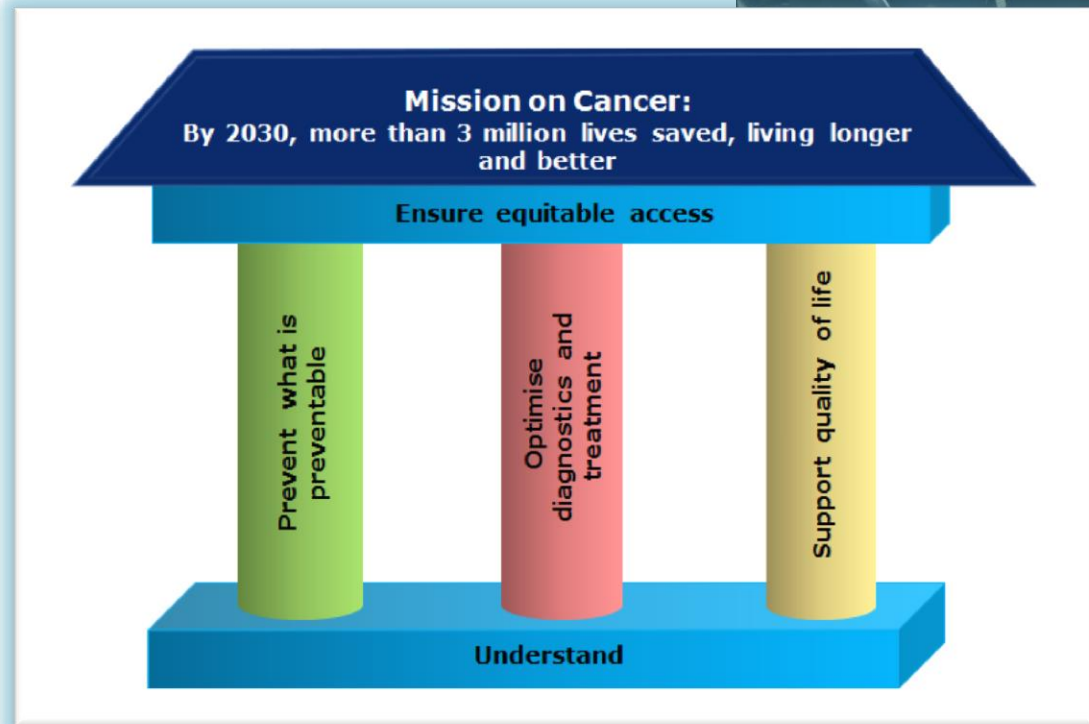


Work of the Mission Board

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





Thanks for your attention