

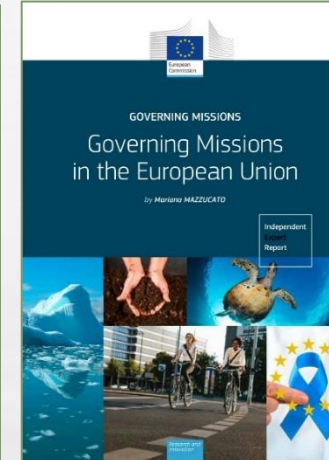
# THE MISSION-ORIENTED RESEARCH AND INNOVATION APPROACH



2018



2019



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

***“Missions’ goal is 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**”***

**Professor Mariana Mazzucato**



European  
Commission



EUROPEAN UNION

# EU MISSIONS

**Concrete solutions for our greatest challenges**



#EUmissions #HorizonEU

# Interview with Prof. Walter Ricciardi

Chair of the EU Cancer Mission Board.

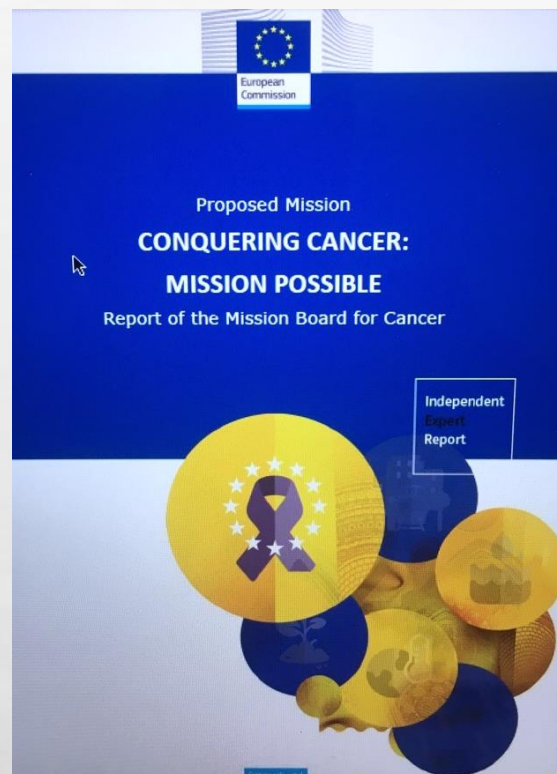
Prof. Walter Ricciardi provided insights on the EU Cancer Mission and the current and future synergies with TRANSCAN-3.



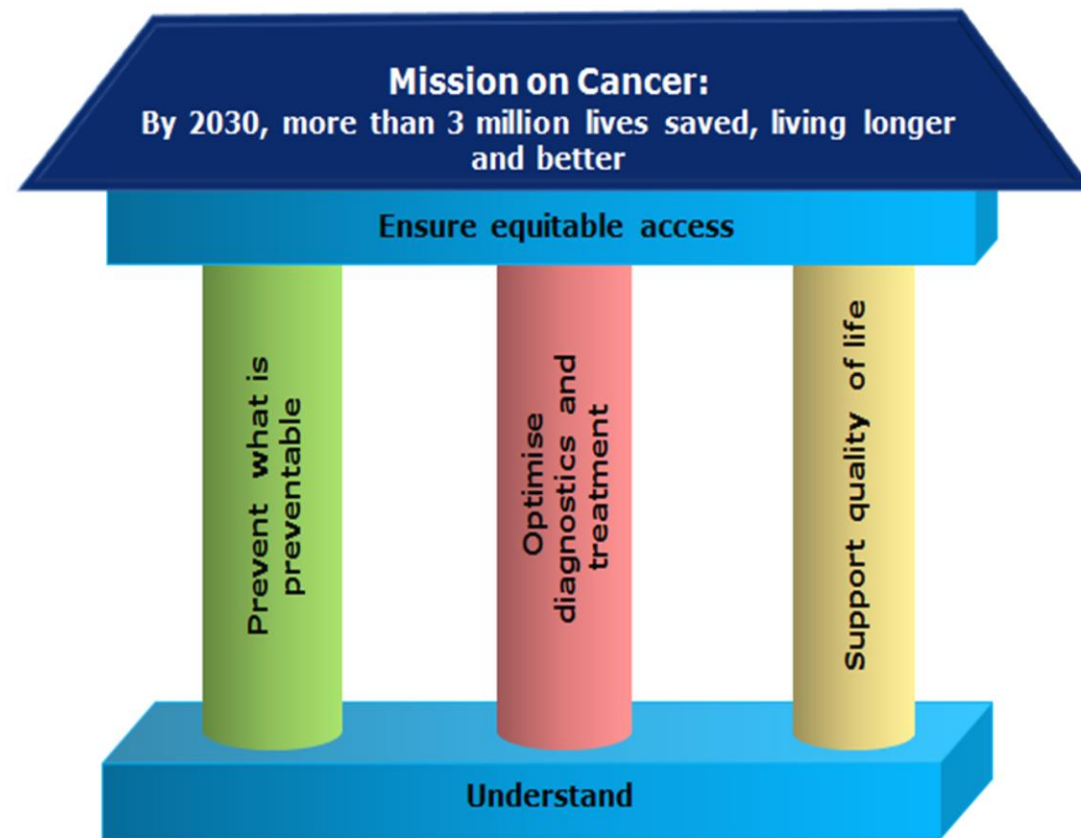
[News and Resources](#) » [Latest News](#)



## Reports of the 5 Missions Sept 2020



## 5 intervention areas to reach The Cancer Mission target

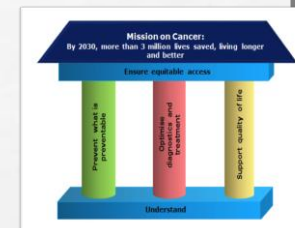


**13 patient/citizen centered  
recommendations for bold actions**

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



## 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** »

## Green light for the 5 Missions September 2021

# Launch of the 5 Missions

Implementation Plans

29 September 2021

**€1.9 billion until 2023.**

## ERNs and Rare Cancers

- **Understand Rare Cancers**
- **Genetics and rare cancer subtypes**
- **Twinning Programmes for excellence in care and knowledge in rare cancers**

### Synergies

- **European cancer information system (pediatric cancer: geo-positioning cancer data)**
- **EU platform on rare diseases registration in collaboration**

### With ERNs and BBMRI

- **Feeding data to the UNCAN.eu platform**
- **International Collaboration**



[https://ec.europa.eu/info/publications/implementation-plans-eu-missions\\_en](https://ec.europa.eu/info/publications/implementation-plans-eu-missions_en)

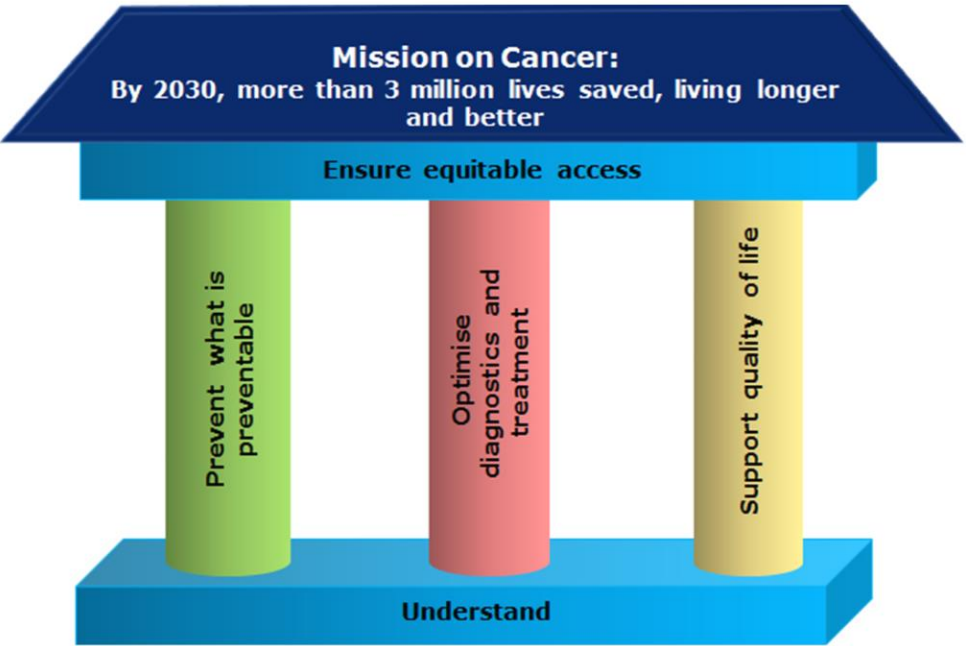


**M Gabriel**  
**DG RTD**

# 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**





# MISSION: CANCER

## ACTIONS

- THE HORIZON EUROPE PROGRAMME WILL PROVIDE **€378.2 MILLION IN THE PERIOD 2021-23** TO SUPPORT THE IMPLEMENTATION OF THE MISSION
- IMPLEMENT A STRATEGIC RESEARCH AND INNOVATION AGENDA TO **BETTER UNDERSTAND, PREVENT, SCREEN, DIAGNOSE AND TREAT CANCER AND TO IMPROVE THE QUALITY OF LIFE OF PATIENTS AND THEIR FAMILIES**
- ESTABLISH **HIGH LEVEL COLLABORATION** WITHIN THE CANCER COMMUNITY
- SET UP THE EU PLATFORM UNDERSTANDING CANCER.EU (UNCAN.EU), A **NETWORK OF COMPREHENSIVE CANCER INFRASTRUCTURES** AND THE **EUROPEAN CANCER PATIENT DIGITAL CENTRE**

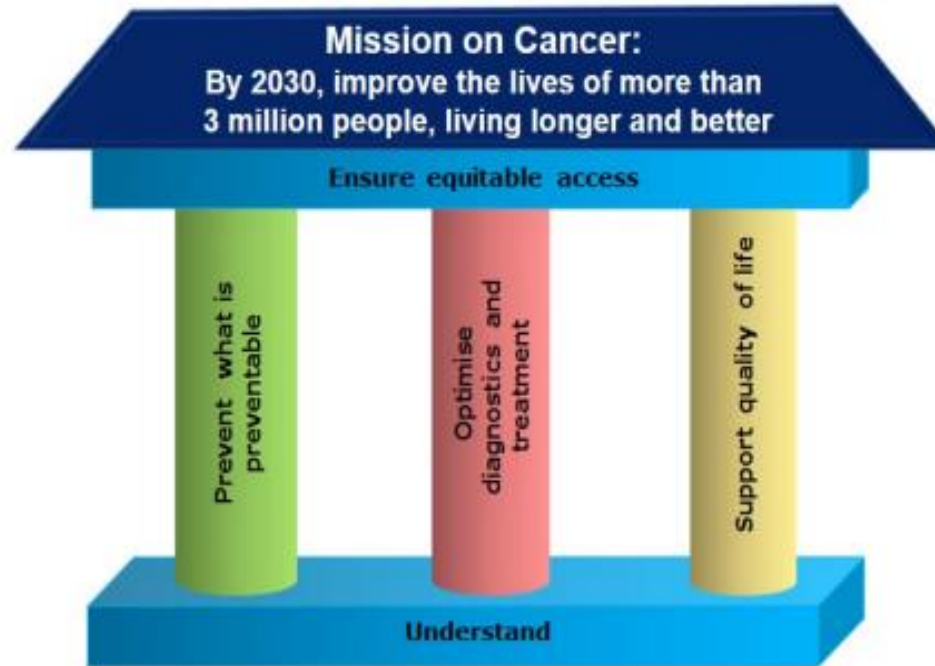




# HORIZON EUROPE MISSION WP2021-2022 TOPICS

## Overall approach

- Apply mission guiding principles
- Close cooperation with Cancer Plan actions
- Total budget 2021-2022: € 252 M



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

HORIZON-MISS-2022-CANCER-01-01: Improving and upscaling primary prevention of cancer through implementation research\*

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

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 understand healthy versus cancer cells at individual and population level\*  
HORIZON-MISS-2021-CANCER-02-03

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

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

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