

# EU-AMRI LAUNCH EVENT



**Walter Ricciardi**

This presentation is delivered by a member of the Horizon Europe Mission Board for Cancer, which is an informal group of experts set up by the European Commission to provide advice for the identification and implementation of missions in the future Horizon Europe programme. The contents of the presentation do not represent the official views of the European Commission nor do they constitute a commitment of any kind on its behalf.

# MISSION AREAS:

Soil health and food



Cancer



Climate-neutral  
and smart cities



Healthy oceans,  
seas, coastal and  
inland waters



Adaptation to climate  
change, including  
societal transformation



#HorizonEU



European  
Commission



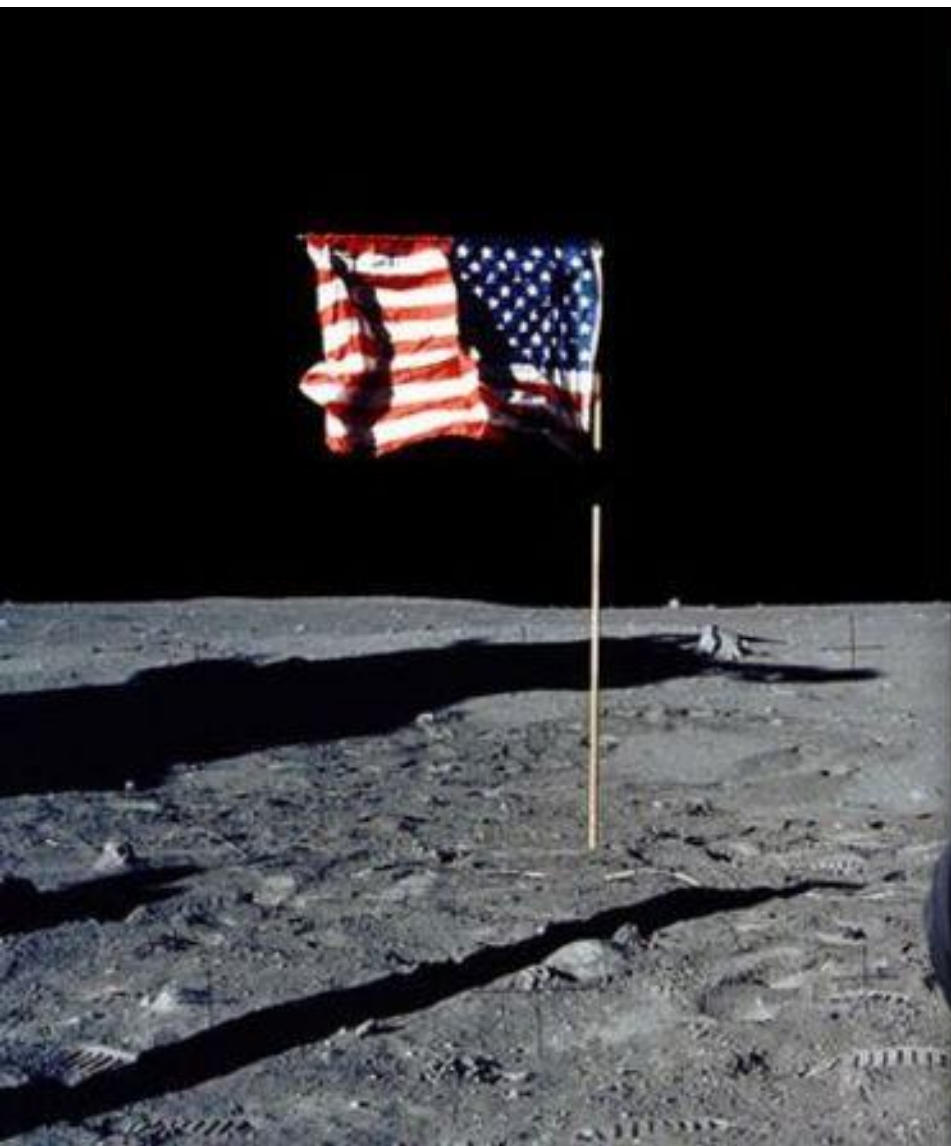
European  
Commission

# 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



«we choose to go to the moon in this decade and do the other things, not because they are easy, but because they are hard, because that goal will serve to organize and measure the best of our energies and skills»

# 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



"E L E C T R I C   D R A M A"

"HIS PERFORMANCE IS SIMPLY  
ASTONISHING AND SO IS  
THE MOVIE"

"JOE WRIGHT AGAIN SHOWS  
HIS BRILLIANCE AS  
A DIRECTOR"



"A ROUSING, MONUMENTAL CINEMATIC ACHIEVEMENT"

"A M A S T E R P I E C E"

"OLDMAN DELIVERS A TOWERING PERFORMANCE"

GARY OLDMAN as WINSTON CHURCHILL   KRISTIN SCOTT THOMAS   LILY JAMES   STEPHEN DILLANE and BEN MENDELSON

# DARKEST HOUR

FROM JOE WRIGHT DIRECTOR OF ATONEMENT

PRODUCED BY PETER JACKSON AND JAMES WATSON   WRITTEN BY JOAN MARCUS   BASED UPON THE PLAY BY ANTHONY M. BARROW   DIRECTED BY JOE WRIGHT   CASTING BY JILL TRIMMER   COSTUME DESIGNER JILL TRIMMER   HAIR AND MAKEUP BY JILL TRIMMER   PRODUCTION DESIGNER JILL TRIMMER   EXECUTIVE PRODUCERS JILL TRIMMER AND JILL TRIMMER   PRODUCED BY PETER JACKSON AND JAMES WATSON   WRITTEN BY JOAN MARCUS   BASED UPON THE PLAY BY ANTHONY M. BARROW   DIRECTED BY JOE WRIGHT   CASTING BY JILL TRIMMER   COSTUME DESIGNER JILL TRIMMER   HAIR AND MAKEUP BY JILL TRIMMER   PRODUCTION DESIGNER JILL TRIMMER   EXECUTIVE PRODUCERS JILL TRIMMER AND JILL TRIMMER

IN CINEMAS JANUARY 12

**fighting for democracy**

# **Over the last fifteen years the world has witnessed**

**The worst financial crisis since 1928**

**Global recession**

**An unprecedented Eurozone Sovereign Debt Crisis**

**Outbreak of War in the Middle East and North Africa**

**Civil war in Syria**

**A major migration crisis in Europe**

**Brexit**

**The surge of cyber-terrorism (US Elections)**

**Nuclear tension in North Korea**

**“Secession” of Catalonia**

**Trade war between USA and the world**

**USA (and western countries) leaving Afghanistan**

**Pandemic**

**War between Russia and Ukraine**



Upon this battle depends the  
survival of Christian civilization.

Upon it depends our own British life  
and the long continuity of our  
institutions, and our Empire.

The whole fury and might of the enemy  
must very soon be turned on us.

Hitler knows that ~~we~~<sup>he</sup> will hv to break  
us in this Island, or lose the war.

If we can stand up to him,  
all Europe may be freed,  
and the life of the world  
may move forward into ~~the~~  
broad and sunlit uplands.

But if we fail,  
then the whole world,  
including the United States,  
and all that we have known and  
cared for,  
will sink into the abyss of a  
new Dark Age  
made more sinister and  
perhaps more prolonged by  
the lights of perverted  
Science.

Let us therefore brace ourselves to  
our duty, and so bear ourselves that  
if the British Empire and  
Commonwealth lasts for a  
thousand years, men will still  
say,

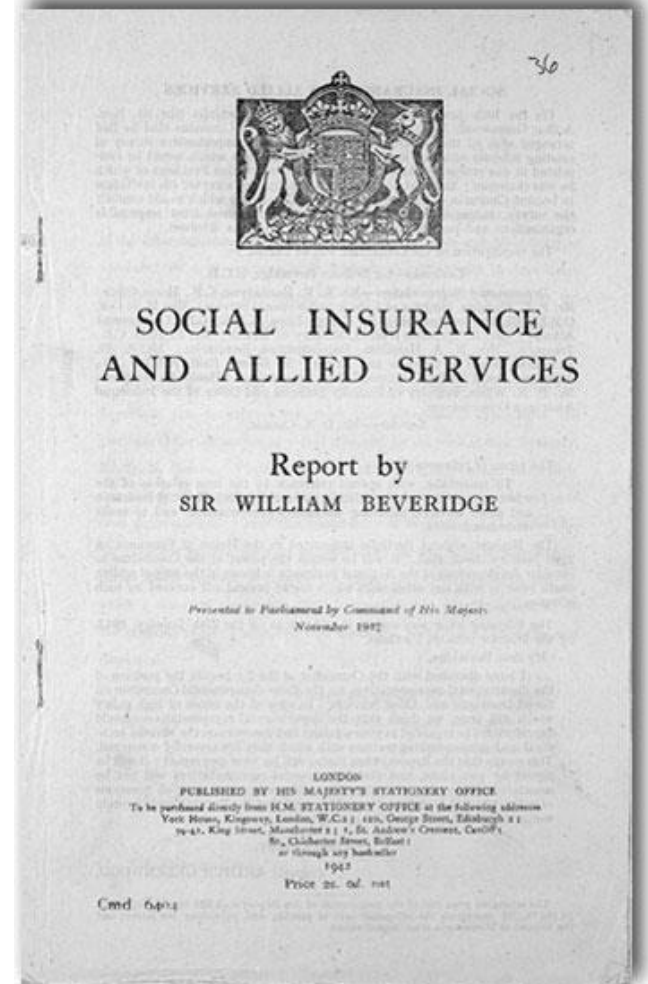
'This was their finest hour'.



# Risk to lose a good social model

## *A system of transfers*

- From rich to poor
- From young to old
- From employed to unemployed
- From healthy to ill



# Risk to lose civilization

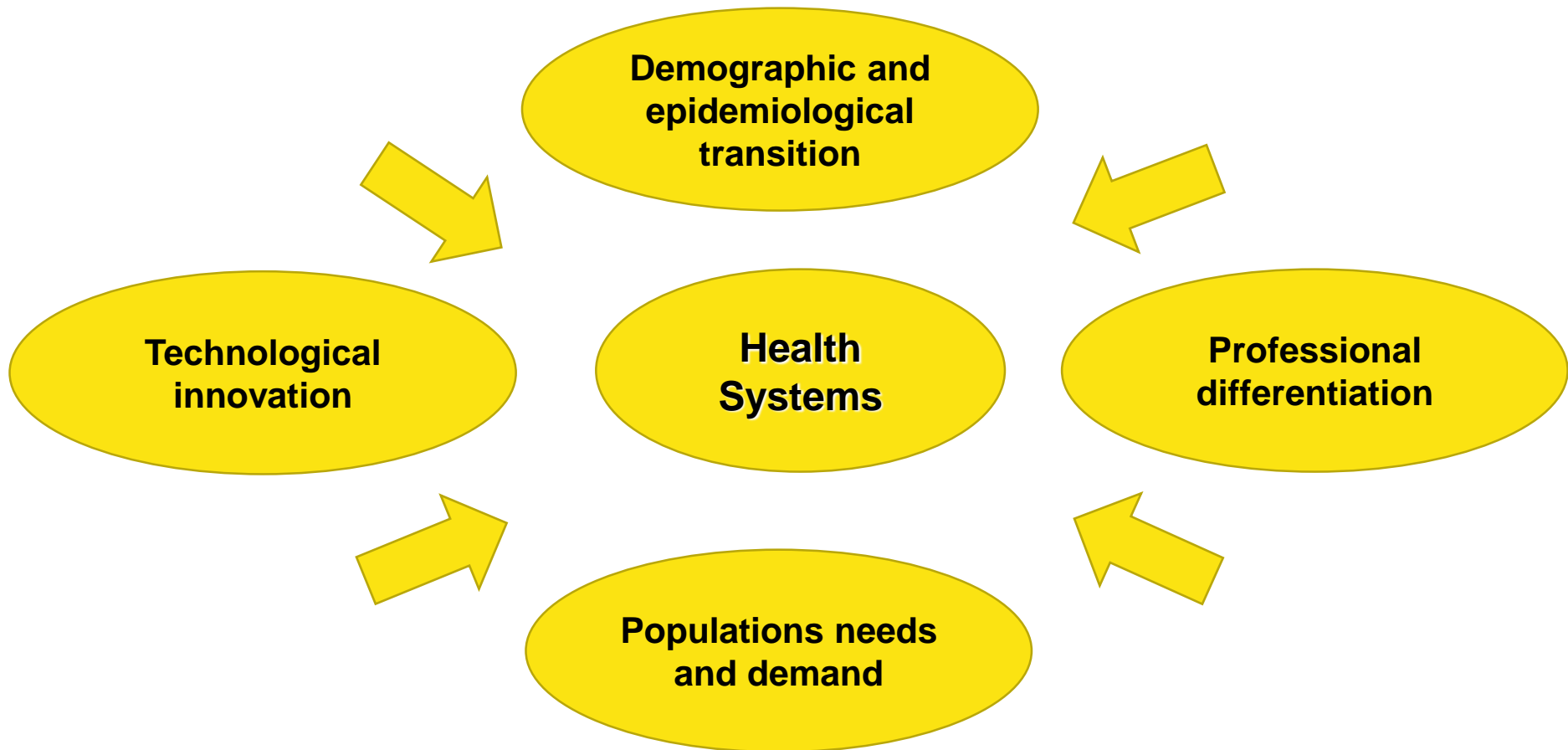


No society can legitimately call itself civilized if a sick person is denied medical aid because of lack of means.

— *Aneurin Bevan* —

AZ QUOTES

# Unsustainability



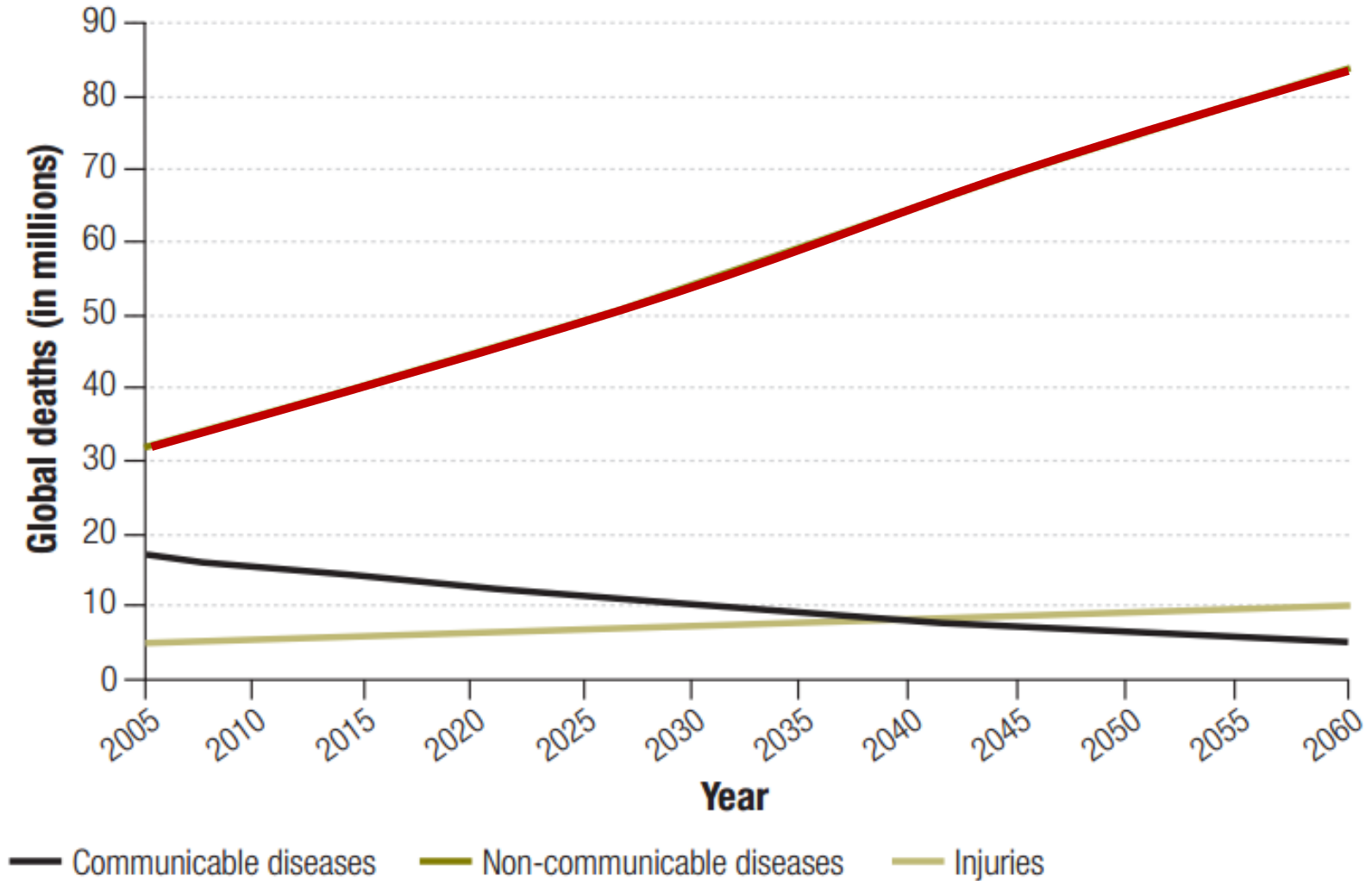
# 70s



# 2022

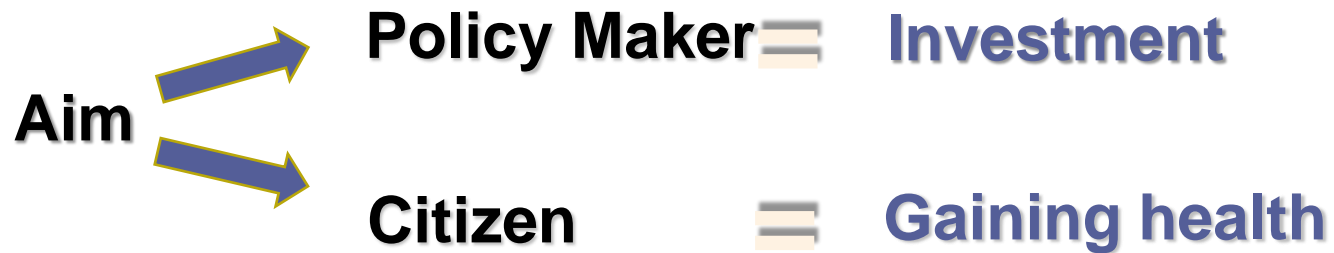


# Chronic diseases





# Healthcare Sustainability



Prevention  
and  
Early  
Intervention

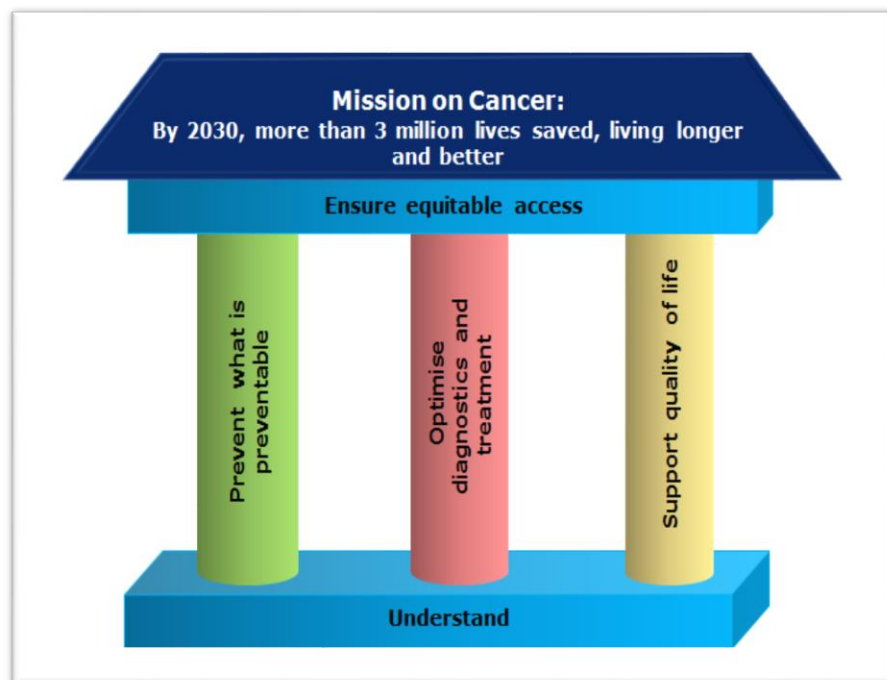
Empowered and  
responsible  
citizens

Reorganisati  
on of care

# Why cancer?

- The number of new cancer cases diagnosed is projected to increase by >25% in Europe by 2035
- Europe needs better and equitable prevention and diagnosis, treatment and care, survival rates and post-cancer quality of life

# Conquering cancer: mission possible



Goal:

**“By 2030, more than 3 million lives saved, living longer and better”**

**Five intervention areas:**

1. understanding
2. prevention
3. diagnosis and treatment
4. quality of life
5. equitable access

**13 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

[Home](#) > [Press corner](#) > Commission launches EU missions to tackle major challenges

Available languages: English ▼

Press release | 29 September 2021 | Brussels

# Commission launches EU missions to tackle major challenges

Page contents

[Top](#)[Print friendly pdf](#)[Related media](#)[Press contact](#)

The Commission launched today five new [EU missions](#), a new and innovative way to work together and improve the lives of people in Europe and beyond. EU missions aim to tackle big challenges in health, climate and the environment, and to achieve ambitious and inspiring goals in these areas.

# Mission Cancer – proposed actions for Mission WP2021

Understanding:

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

## Research actions

**Screening and early detection:**

Develop new methods and technologies for screening and early detection

**Quality of Life:**

Establish a framework to collect and analyse data on today's unmet needs of cancer patients and survivors

## Support actions

Network of national cancer thematic mission hubs / contact points

+

Blue print for the European Patient Digital Centre



UNCAN.eu

CSA: Establish, SRIA,  
connect data from research  
and clinical db, ESFRI  
infrastructures, repositories,  
biobanks

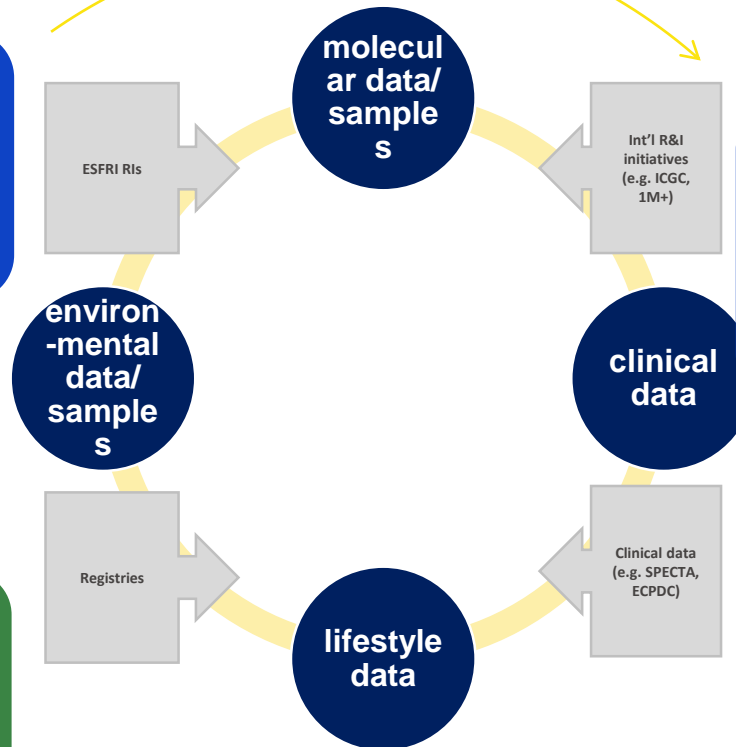
Mission on  
Cancer

Provide platforms  
for forum  
stakeholder cross-  
design of research

Study interaction of  
environment, work,  
lifestyle, diet, nutrition  
in poorly understood  
childhood and adult  
cancers

Determine role of  
genetic alterations  
and establish  
individual cancer  
risk

Study normal  
versus cancer  
tissues, cancer-  
patient interactions,  
cancer evolution



# **HORIZON-MISS-2021-UNCAN-01: Preparing *UNCAN.eu*, a European initiative to understand cancer – a Coordination and Support Action**

## **Scope:**

**The CSA should address:**

- **Integration with Research Infrastructures, European Reference Networks;**
- **Sustainable and interoperable data platforms;**
- **Integration with other platforms proposed under the Cancer Mission/Cancer Plan;**
- **Mechanisms for determining clinical priorities;**
- **Equitable access;**
- **Engagement with; citizen and patient advocacy organisations**
- **Utility, feasibility, sustainability;**
- **Take into account newly EU-funded initiatives - HealthyCloud, EOSC-Life and the EHDS Joint Action. Topic infrastructure WP**

## **Expected outcome:**

**A blueprint for the establishment of UNCAN.eu:**

- **an agreed strategic research and innovation agenda**
- **Commitment to cooperate and invest both financially and with other resources (in kind, data, knowledge);**
- **Clear answers on the European-added value, organizational, logistical, financial, and cultural feasibility, utility and sustainability of UNCAN.eu**

# Mission Cancer – proposed actions for Mission WP2022

## Research actions

### Understanding:

Better understand cancer: study patient tumour interactions in poorly understood childhood and adult cancers

### Prevention:

Conduct implementation research on cancer prevention

### Diagnosis and treatment:

Clinical trials on treatments, using personalised medicine approaches and a focus on improving quality of life

# Health Systems already evolved. There is a need for another wind of change

**Changes in information technologies** (electronic medical record, e-health capacities, tablet-based patient management, centralized Big Data)

**Changes in citizen expectations** (choice of provider, equal and rapid access, privacy)

**Changes in patient expectations** (participation in decision-making, second opinions, international quality standards, patient rights)

**Changes in payment systems (public and private):** case-based payment, penalties for poor outcomes (re-admission, re-treatment), volume based contracting

**Changes in provider configuration** (consolidating hospitals and services, integrating health and social care)

# IMPOSSIBLE WITHOUT LEADERSHIP!!







**the future is not a  
beautiful destination  
like Rome or Paris  
waiting for our  
arrival**

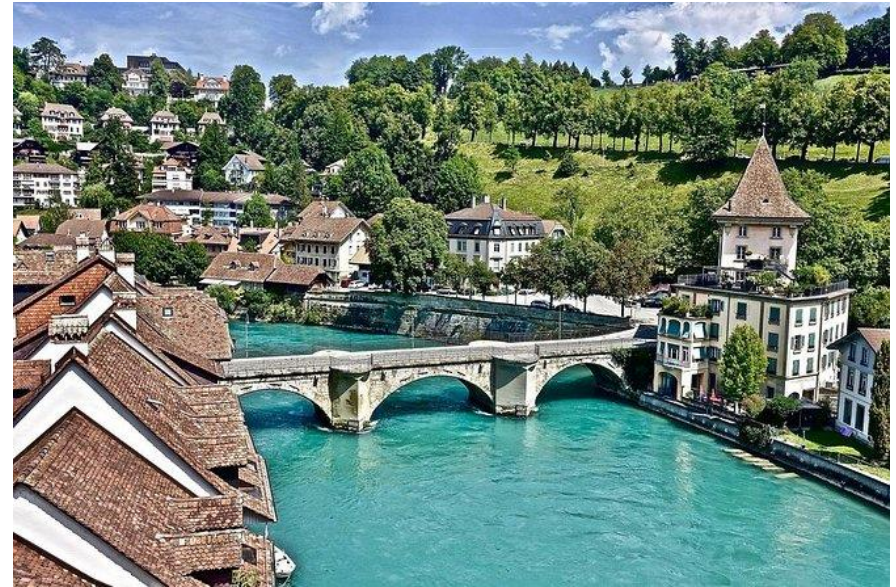


# *dystopic future*





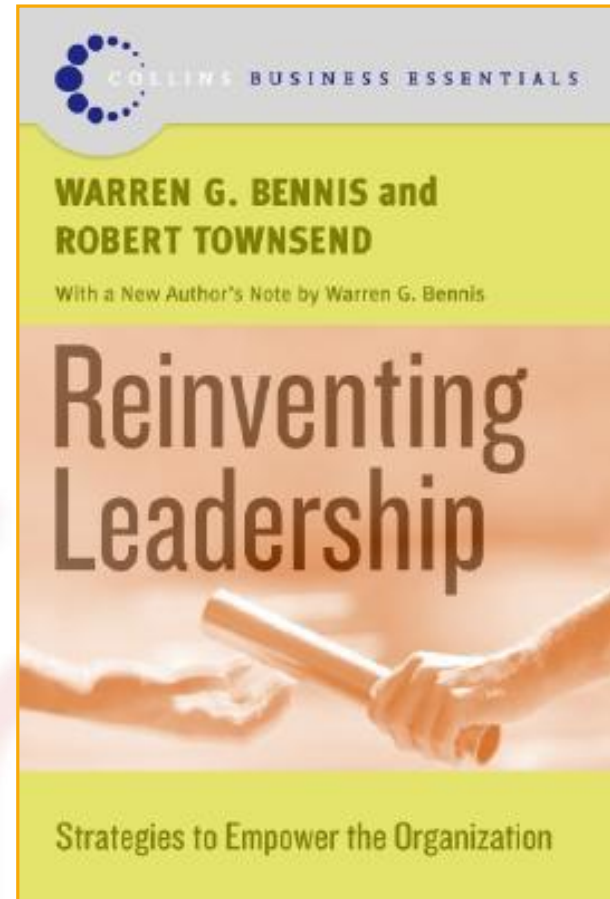
*like a beautiful bridge that we have to  
imagine, plan and build*



# And we need leadership to do it

*“A leader is a person with  
a magnet in his heart  
and a compass in his  
head”*

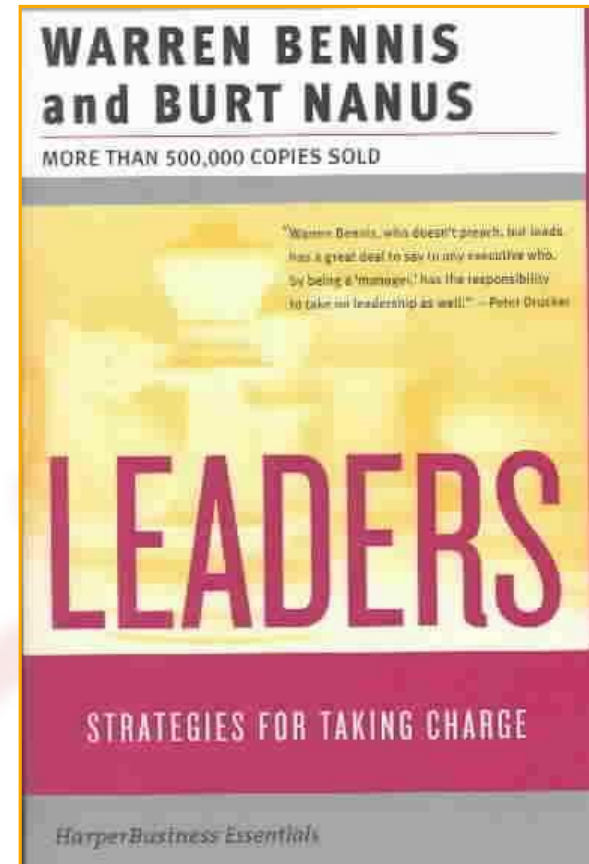
– Robert Townsend



# Leadership...

*“Leadership is the capacity to translate vision into reality”*

– Warren G. Bennis



# Leadership...

*“Leadership is grace  
under pressure”*

*- John F. Kennedy*





# Thanks for your attention

**#HorizonEU #EUMissions  
#MissionCancer #EUCancerPlan**

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