



EUROPEAN UNION



# EU MISSIONS

CANCER

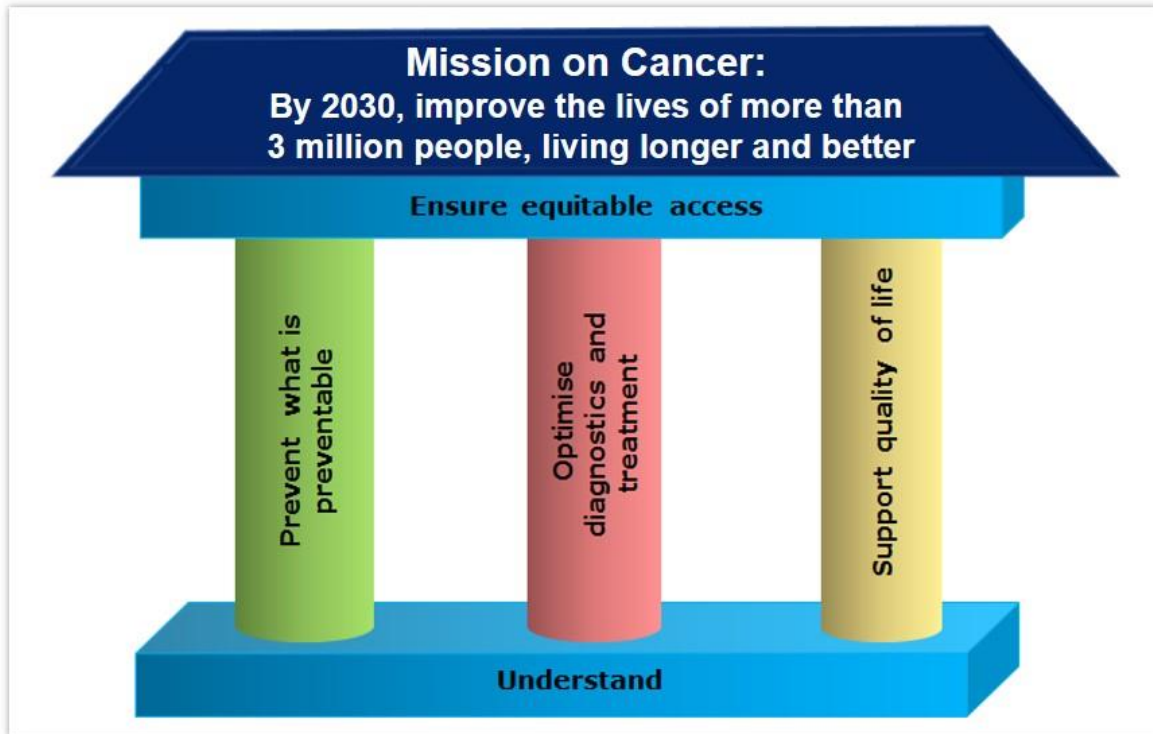
Concrete solutions for our greatest challenges



#EUmissions #HorizonEU #MissionCancer



# Mission on Cancer



*“By 2030, improve the lives of more than 3 million people, living longer and better”*

## Specific objectives:

1. understanding
2. prevention
3. diagnosis and treatment
4. quality-of-life

## Operational objectives (transversal):

1. Ensure equity and access to knowledge, research and care
2. Promote innovation, test, validate, demonstrate and upscale solutions
3. Address childhood cancer and personalised medicine
4. Engage with the cancer community, citizens/patients and society at large



## Actions: understand

- **Establish the ‘UNCAN.eu’ platform**
- Better understand healthy versus cancer cells at individual and population level
- Better understand cancer-patient molecular, cell, organ, organismal interactions
- Determine the role of genetics in cancer



## UNCAN.eu platform – why?

- understanding of cancer remains incomplete, for both common and rare cancers
- need for a new level of investment in innovative research, including high-potential/high-risk projects
- UNCAN.eu: a Europe-wide platform, utilising existing, relevant research infrastructures and investing in the development of new models and technologies
- First step: Develop the blueprint and operational concept for the platform



## UNCAN.eu platform - goal

- A fully-fledged UNCAN.eu initiative will:
  - Underpin Mission priorities that require a better understanding cancers
  - Agree on a strategic research and innovation agenda between relevant stakeholders
  - Integrate innovative models and technologies with longitudinal patient data, samples and biomarkers
  - Allow for data interoperability and re-utilisation, while guaranteeing full protection for the data subjects and applying FAIR data principles



## Actions: prevent

- Develop a one-stop cancer information centre on prevention
- Boost research and innovation into risk assessment
- Conduct implementation research on cancer prevention
- Establish synergies on prevention with other missions
- Optimise and improve access to existing screening programmes
- Develop new methods and technologies for screening and early detection
- Develop early predictors/tests



## Actions: diagnostics and treatment

- Support the creation of a Network of Comprehensive Cancer Infrastructures, integrating research aspects
- Develop twinning programmes for capacity-building
- Develop a clinical trial programme on diagnostics
- Develop a clinical trial programme on treatments





## Actions: quality of life

- Collect and analyse data on today's unmet needs of cancer patients and survivors
- Develop early predictors for quality of life
- Design monitoring programmes for survivors of childhood cancer
- Set up of a European Cancer Patient Digital Centre





## EU Missions – synergies with EU policies and initiatives

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

- Horizon Europe partnerships
- European Cancer Information System
- Chemicals Strategy for Sustainability
- Zero Pollution Action Plan
- HealthyLifestyles4all initiative
- Strategic Agenda for Medical Ionising Radiation Applications
- Research and Training Programme (Euratom)
- Pharmaceutical Strategy

### Initiatives that can act as 'enabler' for the EU Mission on Cancer:

- European Health Data Space
- Knowledge Centre on Cancer (KCC)
- EIT & KICs
- European Universities Initiative

### Initiatives that the EU Mission of Cancer are expected to serve:

- Artificial Intelligence Agenda
- European Data Strategy
- Digital transformation and skills
- New European Bauhaus initiative

**National activities**



## Joint governance

- **Dialogue with Member States:** a sub-group on cancer under the Steering Group on Health Promotion and Disease Prevention (SGPP) follows jointly the implementation of the 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 to ensure that actions, policies and findings are aligned across the relevant Commission departments.



## Next steps

- Outreach activities
- Dialogue with Member States and stakeholders
- Horizon Europe missions work programme 2021 (published June 2021)
  - Set of actions to lay the ground for the implementation of missions
  - Cancer: a CSA to prepare the UNCAN.eu platform
- Horizon Europe missions work programme 2021-22 (to start implementation)
  - Amendment to WP2021 in final stages of preparation
  - Amendment to WP2022 in preparation.
- Selection of new Mission Boards



## Reference documents

- EU Mission on Cancer
  - [Commission Communication](#) of 29 September 2021
  - [Implementation plan](#) of 29 September 2021
- [First Horizon Europe work programme for 2021-2022](#) published in June 2021, with update expected in December 2021



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# Thank you!

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