



EUROPEAN UNION



EU MISSIONS

CANCER

Concrete solutions for our greatest challenges



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European Commission

#EUmissions #HorizonEU #MissionCancer



Five EU Missions

Adaptation to
Climate Change



EU Mission: Adaptation to Climate Change | European Commission
(europa.eu)

Cancer



EU Mission: Cancer | European Commission
(europa.eu)

Climate-neutral
and Smart Cities



EU Mission: Climate-Neutral and Smart Cities | European Commission
(europa.eu)

Restore our
Ocean and Waters



EU Mission: Restore our Ocean and Waters | European Commission
(europa.eu)

Soil Deal
for Europe



EU Mission: A Soil Deal for Europe | European Commission
(europa.eu)



EU Mission on Cancer

Challenges

- 2.7 million people in the EU diagnosed each year
- 1.3 million people die from cancer each year
- Total cost of cancer in Europe in 2018: €199 billion
- Impact of Covid-19 pandemic, war in Ukraine

Objectives

- Understanding of cancer
- Prevention & early detection
- Diagnosis and treatment
- Quality of life



GOAL

Improve the lives of more than 3 million people by 2030, through prevention, cure and for those affected by cancer including their families, to live longer and better, jointly with the Europe's Beating Cancer Plan



Actions and activities

Concrete actions

A strategic R&I agenda & governance

UNCAN.eu platform (2023)

Cancer Patient Digital Centre (2023)

Network of Comprehensive Cancer Infrastructures (2025)

Activities

Development of work programmes

Building synergies with EU policies and initiatives

Policy dialogue & stakeholder consultation

Outreach and citizen engagement activities



Understanding of cancer : examples of actions foreseen

- 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



Prevention of cancer : examples of actions foreseen

- Conduct implementation research on cancer prevention
- Optimise and improve access to existing screening programmes
- Develop new methods and technologies for screening and early detection
- Develop early predictors/tests



Diagnostic and treatment : examples of actions foreseen

- 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

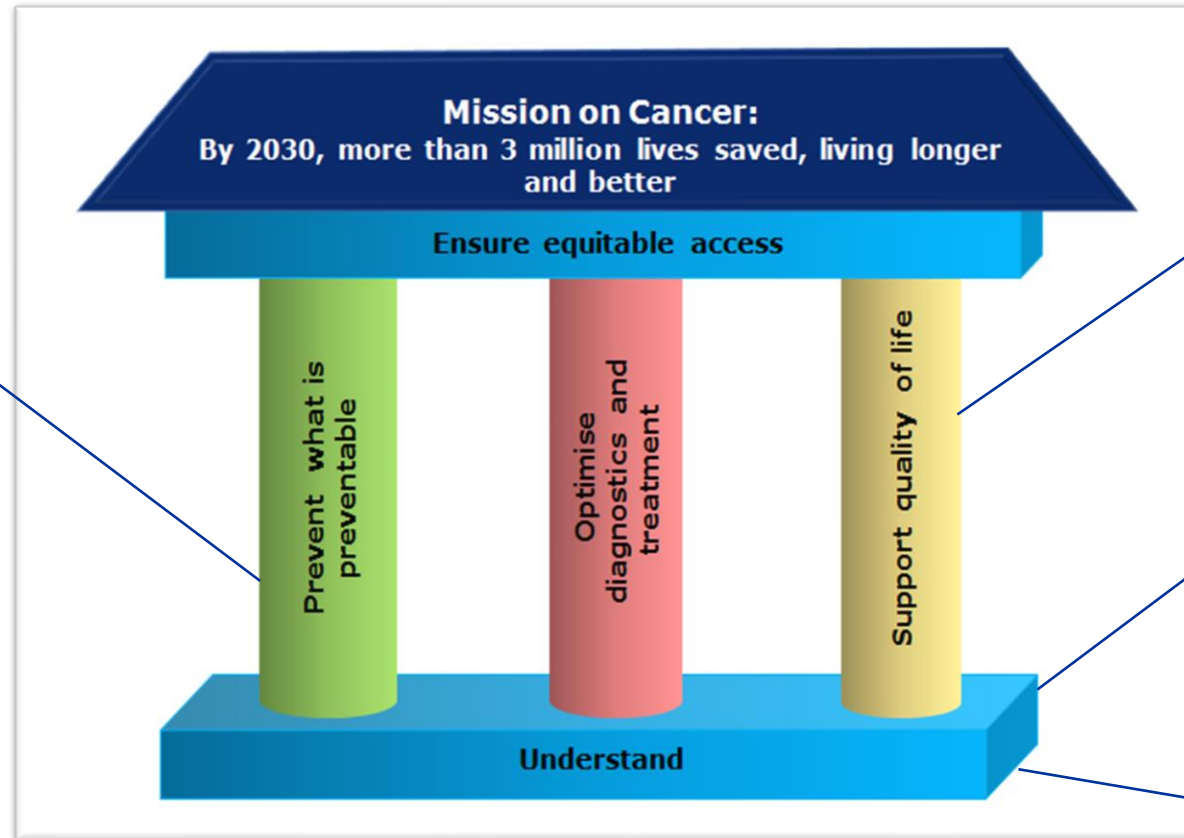


Quality of life : examples of actions foreseen

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



EU Mission on Cancer: Work Programme 2021 topics



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

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

*WP published 15/12/21



Synergies with EU policies and initiatives

Examples of initiatives that can help achieve the goal of the EU Mission Cancer:

- Europe's Beating Cancer Plan
- Horizon Europe partnerships
- Chemicals Strategy for Sustainability
- Zero Pollution Action Plan
- HealthyLifestyles4all initiative
- Strategic Agenda for Medical Ionising Radiation Applications
- Pharmaceutical Strategy

Examples of initiatives that can act as 'enabler' for the EU Mission on Cancer:

- European Health Data Space
- Knowledge Centre on Cancer (KCC)

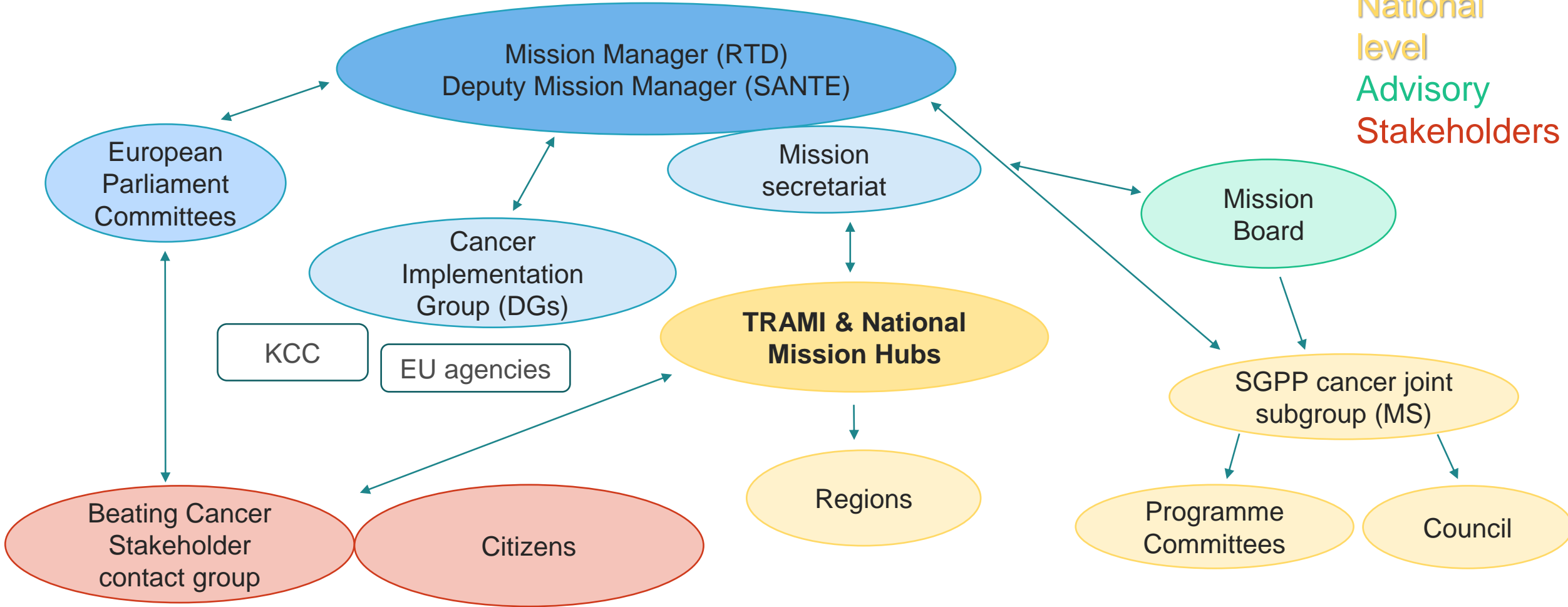
Examples of initiatives that the EU Mission of Cancer are expected to serve:

- Digital transformation and skills
- New European Bauhaus initiative



Governance

EU level
National level
Advisory
Stakeholders







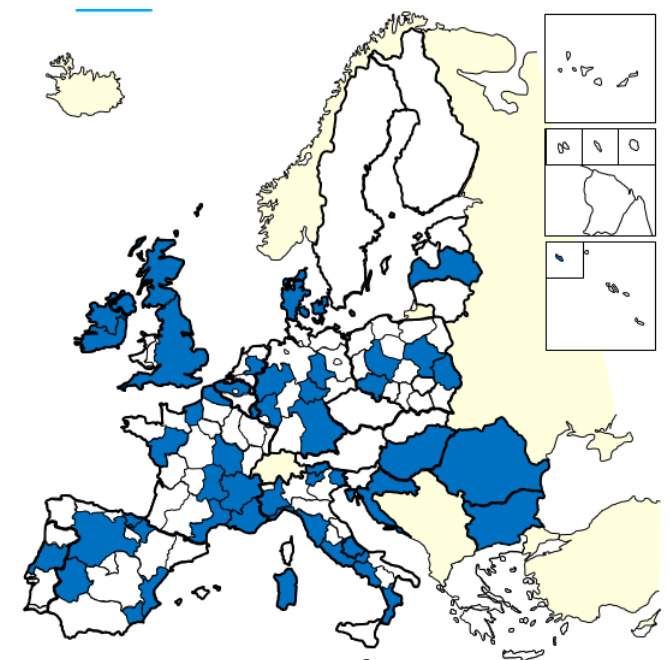
Role of regions, local communities

- **Competencies for healthcare:** e.g. creation of network of Comprehensive Cancer Infrastructures
- **Smart Specialisation Strategies:** health mentioned in 90%; **Living labs** exist in most Member States for end-user engagement.
- Many regional and interregional cancer projects supported through **Cohesion Policy**; several RRF plans mention cancer
- **Project TRAMI:** facilitate engagement of regional and local actors in support of EU-level or national activities to implement missions.
- Recent **opinion of Committee of Regions** on European Missions

Personalised Medicine in the RIS3 priorities

53 RIS3 out of the 135 analysed, explicitly prioritise **Personalised Medicine (38%)**

-  No Personalised Medicine priority in the RIS3
-  Personalised/stratified/precision Medicine priority in the RIS3





Next steps

- Launch of citizen engagement activities
- Start of phase-2 Cancer Mission Board
- Adoption of Horizon Europe work programme 2021-2022 for missions
- Preparation of Horizon Europe work programme 2023 for Missions



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 published on 15 December 2021
- Topics for calls of proposals: [Funding and tender portal](#)
- Europe's Beating Cancer Plan: [Europe's Beating Cancer Plan \(europa.eu\)](#)



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Thank you!

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