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.
**Progress**

✓ **12 Board meetings** between September 2019 and June 2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tr>
<td>2020, JAN</td>
<td>Draft Discussion Paper</td>
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<tr>
<td>2020, FEB</td>
<td>Draft Discussion Paper debated with the Assembly</td>
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<tr>
<td>2020, APR</td>
<td>Draft Mission Outline discussed with Member States (Shadow Committee), MEP, Other Mission Board Chairs and Commissioner Gabriel</td>
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<tr>
<td>2020, MAY</td>
<td>First pilots on CE and outreach with stakeholders</td>
</tr>
<tr>
<td>2020, JUN</td>
<td>Draft Mission Outline finalized mid-June</td>
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**June - December 2020:**

- Citizens engagement
- Develop first Mission R&I action and calls under Horizon Europe
Conquering cancer: mission possible

Draft Mission Outline

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
13 Recommendations citizens & patients centred

1. UNCAN.eu
2. (poly-) genic Risk Factors
3. Support Prevention
4. Screening Programmes
5. Personalised medicines Approaches
6. Early Dg Minimally Invasive Tech
7. Quality of Life programme for all
8. European Cancer Patient Digital Centre
9. Cancer Health Equity
10. Network of accredited cancer infrastructures
11. Childhood cancers
12. Innovation & Living Labs
13. Transformation of culture, communication, capacity

Existing national/regional structures
Prevention

**Action area: Prevent what is preventable**

By 2030, all EU Member States will have implemented comprehensive cancer prevention strategies, resulting in a reduction of preventable cancer cases of at least 25%.
Improve Quality of Life of cancer patients, survivors, family members, carers & all persons with an increased risk of cancer

Gain comprehensive understanding of the holistic needs of all (subgroups) exposed to cancer

Identify and monitor physical and mental health problems

- Implement a health (survivor) passport
- Help survivors achieve their personal live goals
- Assert the right to be forgotten
- Counteract discrimination
- Strengthen legal position (patients/survivors/carers)

Develop appropriate methods and metrics based on personal life and values

- Develop research for innovative effective intervention
- High Quality research to limit (late) side-effects of cancer treatment, relieve pain and improve palliative care

Example
Increased understanding of cancer has substantially improved cancer prevention and treatment, with more patients alive with and after cancer. But thinking and communicating about cancer in research, healthcare and society has not substantially changed in the same manner.

➢ Transformation is needed to save more lives, live better and longer.

**Transform**

cancer culture, communication, capacity building

- **Raise awareness of a paradigm shift**
- **Provide accessible language & adapted communication tools**
- **Train all stakeholders, adapt skills and competences to the changing field of cancer**

**Citizen - Patient-Centred Research Goals**

**Patient-Centred Care**

**EU-wide Cancer R&I dissemination & Communication**

**Capacity Building**
Europe’s Beating Cancer Plan

Part of President von der Leyen’s mandate for Commissioner for Health, Stella Kyriakides

Actions to strengthen approach at every stage of disease (prevention, early detection and diagnosis, treatment and care, quality of life and survivorship)

Role of the Mission Board:

- **Evidence base** - to support effective actions as scientific advice body
- **Accelerate** - its recommendations will spur a recurring cycle between research, innovation and policymaking
- **Engage** - continuous dialogue with citizens / stakeholders to complement the consultation on the Cancer Plan
Thank you!

#HorizonEU #EUMissions #MissionCancer #EUCancerPlan

http://ec.europa.eu/horizon-europe