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EU MISSIONS

CANCER

Concrete solutions for our greatest challenges

**Cancer Sub-Group Meeting
7 March 2023**

#EUmissions #HorizonEU #MissionCancer





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Cancer Mission Update



Update on Mission activities (1)

- **Cancer Mission Board**

- **Board meetings:** 13 February 2023
- **Other activities:** Mission Ambassador role, workshops and conference on cancer survivors, etc.

- **Work programmes**

- **Project Cluster meetings:** 13 + 18 Jan 2023
- **Info Days Mission:** 17-18 Jan 2023
- **SPC cancer working group:** 03 Feb

- **Mission actions**

- **Kick-off meeting with contractor Charité – ECPDC study (8 months):** 20 Jan 2023
- **Workshop UNCAN.eu:** 28 Feb 2023

- **Work on synergies**

- **1st Meeting with cancer charities:** 31 Jan 2023
- **IRSN event on Ionizing radiation and fight against cancer:** 02 Feb 2023



Update on Mission activities (2)

Citizen engagement

- Workshops with young cancer survivors/parents (11-12 Jan, 6 Feb 2023)
- Conference “Addressing the Needs of Young Cancer Survivors” (7 Feb 2023)



Irene Norstedt Retweeted
Michele Calabrò @micheclb · 7 Feb
 Great session focused on how to engage young cancer patients in #research, closing today's #MissionCancer event on addressing the need of young cancer survivors.

@EUREGHA @EUScienceInnov @IreneNorstedt @ratsosi @GabrielMariya @HorizonEU



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Next main events

- UNCAN.eu consortium – Cancer Mission Board: 10 March 2023
- Cancer Mission Board: 29 March 2023
- Kick-off National Mission Hubs: 3-4 May 2023
- Follow-up event with young cancer survivors: May 2023

Review and assessment

1. Internal EC Missions' data and reporting
 2. External “*Study supporting the assessment of EU Missions, the review of mission areas and the analysis of EU Missions' portfolio of instruments and actions*”, incl. interviews, online survey (open until 15 March).
 3. Open Public Consultation of the Interim Evaluation of Horizon Europe and the Strategic Plan 2025-2027, with general questions on Missions (closed in Feb 2023)
 4. Expert Group on monitoring of missions (Jan - Dec 2023)
- EC Communication planned for July 2023



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Work Programmes 2021-2023 Mission Project Clusters



Cancer Mission - WP2021-2022-2023

Overall approach

- Apply mission-guiding principles
- Apply mission clusters
- Synergies with Europe's Beating Cancer Plan
- Total budget 2021-2023: € 365 M*

*: reduction Commissioners PG 10%



Develop new methods and technologies for screening and early detection
HORIZON-MISS-2021-CANCER-02-01 (77-7)

Improving and upscaling primary prevention of cancer through implementation research
HORIZON-MISS-2022-CANCER-01-01 (12-6)

Enhance cancer prevention through behaviour change
HORIZON-MISS-2023-CANCER-01-02

Pragmatic clinical trials to optimise treatment for cancer patients
HORIZON-MISS-2022-CANCER-01-03 (15-12)

Strengthen research capacities of comprehensive cancer infrastructures
HORIZON-MISS-2022-CANCER-01-02 (CSA) (2-1)

Pragmatic clinical trials minimally invasive diagnostics
HORIZON-MISS-2023-CANCER-01-03

Develop and validate a set of quality of life measures for cancer patients and survivors
HORIZON-MISS-2021-CANCER-02-02 (4-1)

Towards the creation of a European Cancer Patient Digital Centre
HORIZON-MISS-2022-CANCER-01-04: (CSA) (0)

Improve quality of life for survivors of childhood cancer (Best practices and tools)
HORIZON-MISS-2023-CANCER-01-04: (IA)

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

Better understand healthy versus cancer cells at individual and population level
HORIZON-MISS-2021-CANCER-02-03 (21-5)

Better understand tumour-host interactions in cancer patients
HORIZON-MISS-2023-CANCER-01-01

Creation of national cancer mission hubs to support the implementation of the Mission on Cancer - HORIZON-MISS-2022-CANCER-01-05 (CSA) (1-1)



UNCAN.eu platform

Objective:

To collect, share and analyse research and patient health data + other relevant data to gain new and deeper understanding of cancer mechanisms, focusing on poorly-understood cancers

Main expected features:

- Federated platform of national cancer data hubs utilising existing, relevant research infrastructures
- Development of new models and digital technologies
- Integration with other data platforms, such as a Network of comprehensive cancer infrastructures and the European Cancer Patient Digital Centre

Action:

- 4.UNCAN.eu CSA started Sept 22; duration 15 months
- Aim: to develop the blueprint and operational concept of the platform
- Beneficiary: consortium formed by 29 legal entities from 21 EU countries including cancer centres, hospitals, research institutes, few companies, and cancer patient organisations



European Cancer Patient Digital Centre

Objective

Information and support for cancer patients, survivors and their families

Main expected features:

- EU virtual network of national infrastructures of patient-controlled health data
- All national nodes have common features + country-specific functions + connection to cancer registries
- Provide to patients a secure environment to access and share electronic health data for prevention and treatments across borders
- Tools for patient-reported data collection and for participating to research (e.g. trials)

Action:

- ECPDC Study tender started Dec 2022, duration 8 months
- Aim: establish blueprint of ECPDC
- Beneficiary: Berlin Institute of Health @Charite



Network of national Cancer Mission Hubs

Overall objective

To support implementation of Cancer Mission activities by establishing Mission Hubs operating at national, regional and local levels in MS and Associated Countries

Main activities:

- Awareness raising and coordination of Mission activities among relevant actors in national, regional or local R&I and health systems;
- Facilitate integration of Mission activities at national, regional, and local levels;
- Facilitate engagement of actors and stakeholders beyond R&I and health systems to cover all areas relevant for cancer control, e.g. cross-policy dialogues;
- Support citizen engagement activities.

Action:

- **ECHoS** – *Establishing of cancer mission hubs: networks and synergies*: CSA due to start May 2023; duration 36 months
- Beneficiaries: AICIB Portugal, consortium formed by 56 legal entities from 25 EU countries and 4 AS countries including cancer centres, public agencies, hospitals, research institutes, ministries, and cancer patient organisations



Comprehensive Cancer Infrastructures (CCIs)

Overall objective

To improve or develop existing or future Comprehensive Cancer Infrastructures (CCIs)

Main activities:

- Map maturity of CCIs across all EU Member States (MS)
- Organise a capacity building programme with at least one training session taking place in each MS and Associated Country (AC) in the EU network of Comprehensive Cancer Centres being set up under the Europe's Beating Cancer Plan
- Capacity building programme - start in countries without CCIs
- Better integration between research and care

Action:

- CCI4EU – Comprehensive cancer infrastructures in Europe: CSA due to start June 2023; duration 36 months
- Beneficiary: Organisation of European Cancer Institutes* (OEI) Belgium; Consortium formed by 55 legal entities from all 27 MS and 5 AC including the largest Comprehensive Cancer Centres in the EU, many affiliates of OEI, public agencies, hospitals, health authorities, ministries, research institutes, and cancer patient organisations.

*OEI involved in Joint Actions CraNE and JANE on CCCs



Collaboration in Mission clusters (1)

- Projects are brought together in clusters
- Clusters are developed to build a portfolio of projects that address the goal of the Mission on Cancer.
- The clusters are linked to the Mission's objectives: (1) Understanding, (2) Prevention, incl. screening, (3) Diagnosis and treatment, and (4) Quality of life



Collaboration in Mission clusters (2)

- **Clusters – rationale and aims**

- Support Mission objectives
- Create added value
- Increase impact of EU funding
- Establish policy feedback loop

- Identify what to work on together

- **Clusters – EU-funded consortia and EC agree on areas of added value, such as:**

- Data Management
- Research & Innovation
- Communication & Dissemination
- Citizen Engagement
- Addressing inequalities
- Research Capacity Building
- Cancer Mission Hubs



Collaboration in Mission clusters (3)

- Three Project Clusters have been established:
 - Prevention and early detection – *started 2022* (6 projects, 6 projects)
 - Understanding – *started 2022* (5 projects + CSA 4.UNCAN.eu)
 - Diagnosis and Treatment – *started 2023* (12 projects)
 - Quality of Life – *starting in 2023*

Footnote in Cancer Mission WP2023: *In order to address the objectives of the Mission on Cancer, participants will collaborate in project clusters to leverage EU-funding, increase networking across sectors and disciplines, and establish a portfolio of Cancer Mission R&I and policy actions.*



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Thank you!

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RTD-SANTE-CANCER-MISSION@ec.europa.eu

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