



CCI4EU- CSA Session

Comprehensive Cancer Infrastructures for the European Union

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The Session

Alignment and synergies among the most
Capacity Building interventions

Giovanni Apolone

Overview of CCI4EU

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Introducing the Maturity Model

Eva Jolly & Peggy Richter



Agenda

- Cancer in Europe
- The European Cancer Plans
- The Cancer Mission
- The Call
- CCI4EU: an introduction with focus on the Capacity Building Programme

Complexity of the European Scenario

Epidemiology: 2.7 million new cases (2020), 1.3 million deaths (2020), expected increase of about 25% by 2035

Variability in Epidemiology, Economics, Health Care Systems, and Outcomes (between and within countries)

EU initiatives on cancer (1)

Europe Beating Cancer Plan and **Cancer Mission** have the objectives to reduce mortality, increase survival and ameliorate QoL by

- Increase knowledge (research)
- Increase access to quality care
- Fight actionable determinants of inequalities
- Involve active participation of relevant stake-holders
- Optimize synergy between funded projects

EU initiatives on cancer (2)

These objectives may be achieved only:

- supporting research and health care activities
- a wider participation of all Member States and Affiliated Countries
- a direct involvement of all the relevant stake-holders in the co-design and project implementation, including citizens and patients
- alignment and coordination at national and European level

The Horizon Europe Mission



The Horizon Europe Mission on Cancer will **complement the set-up of an EU network of Comprehensive Cancer Centers** across Member States that will be established through the Europe's Beating Cancer Plan by 2025.

**Together with other projects:
Jane, Crane, Echos, ...**

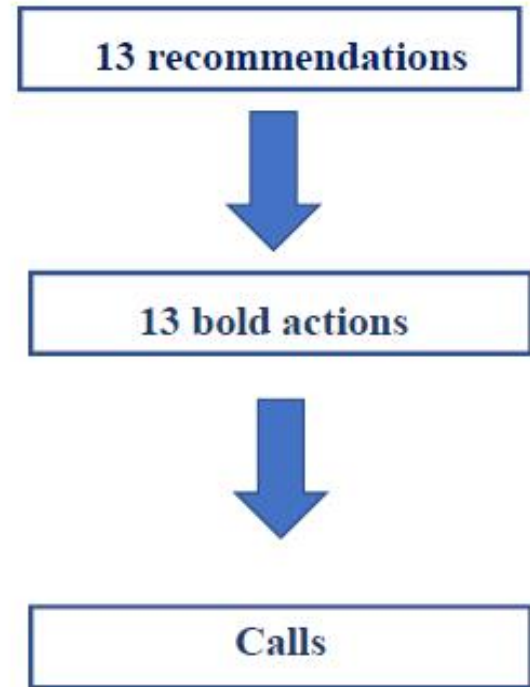
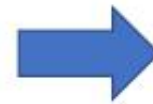
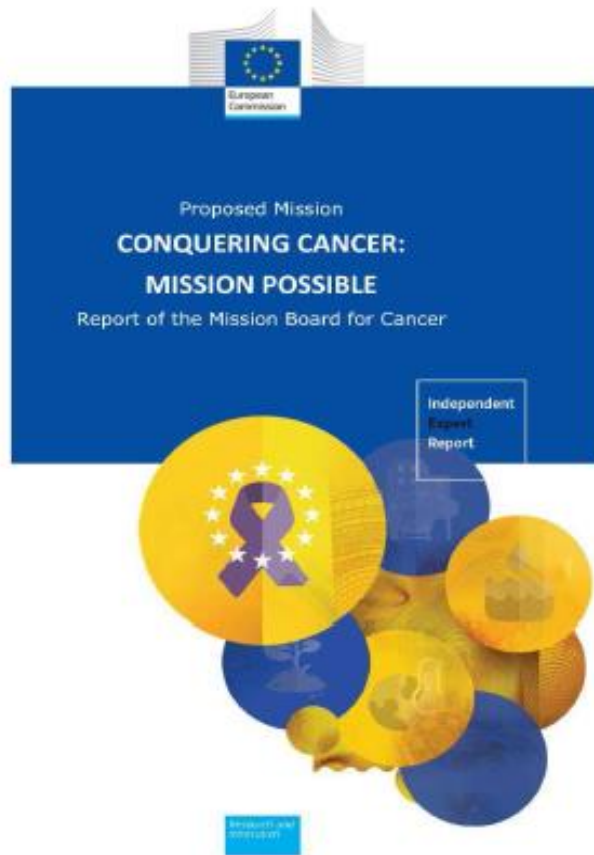
The target is ensuring **that 90% of eligible cancer patients have access to Comprehensive Cancer Infrastructures by 2030.**

Now from 0 to 40%

In that context, **the aim is improving or developing their existing or future Comprehensive Cancer Infrastructures, focussing on developing their research & innovation-related capacities.**

By setting up capacity-building interventions to support them in the change

Cancer Mission



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

The call



HORIZON-MISS-2022-CANCER-01-02: Strengthening research capacities of comprehensive cancer infrastructures

Closure: **07.09.2022**; Indicative call budget: EUR 10 M; Project size: EUR 10 M; **Coordination & Support Action**

Scope:

- Offer an R&I-centred **capacity-building programme** to support existing and future comprehensive cancer infrastructures.
- Cooperation with the EU network of comprehensive cancer centres CRANE, being established through Europe's Beating Cancer Plan. Participating countries will be provided with recommendations. Support and roadmap for implementation and transferable best practices will be identified.

Expected outcomes:

- Research and health policy makers will benefit from support to further develop or set up comprehensive cancer infrastructures, leading to improvement in *research and access to care*.
- Research and healthcare professionals will benefit from a **better integration between research and care**;
- Researchers will benefit from innovative infrastructures to perform research and participate in studies.
- Citizens, including patients and their caregivers will have access to screening, diagnostics and treatments, care pathways and integrated care. **Participation in clinical trials will be facilitated.**

The Mission Board of the EU Mission on Cancer has defined Comprehensive Cancer Infrastructures

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as ‘national or regional infrastructures that provide resources and services to support, improve and integrate cancer care, research, training of care professionals and education for cancer patients, survivors and families/carers’

“

CCI? Something different from CCIs

The Mission Board of the EU Mission on Cancer has defined Comprehensive Cancer Infrastructures as *'national or regional infrastructures that provide resources and services to support, improve and integrate cancer care, research, training of care professionals and education for cancer patients, survivors and families/carers.'*

Today, the level of development of Comprehensive Cancer Infrastructures and their capacities, such as their digital, research and innovation-related capacities, vary considerably across Member States and Associated Countries, leading to inequalities, in particular in terms of research, quality and access to care.

The Horizon Europe Mission on Cancer will complement the set-up across Member States and several Associated Countries of an EU network of Comprehensive Cancer Centres that will be established through the Europe's Beating Cancer Plan by 2025. The Mission aims to achieve the target of ensuring that 90% of eligible cancer patients have access to Comprehensive Cancer Infrastructures by 2030.

Please note the difference between CCCs and CCIs

Now, at the best, between 20-40%

CCI4EU Overview



Strengthen
the research capacities
of Comprehensive Cancer
Infrastructures



Coordinator: OECI



55 Partners
27 Member States
4 Associated Countries



36 months



9 984 080 €




As part of the Governance structure there will be a
“EU Actions Forum” bringing together coordinators
of key associated EU projects:
UNCAN, CRANE, JANE, and ECHOS



CCI4EU – overview

- **Objective: To strengthen the research capacities of Comprehensive Cancer Infrastructures**
- Duration: 36 months (01.05.23/30.04.26)
- Budget: €9,984,080
- Coordinator – OEI
- 55 partners from 27 Member States and 5 Associated Countries
- As part of the Governance structure there will be an “EU Actions Forum” bringing together coordinators of key associated EU projects – UNCAN, CRANE, JANE, & ECHOS.

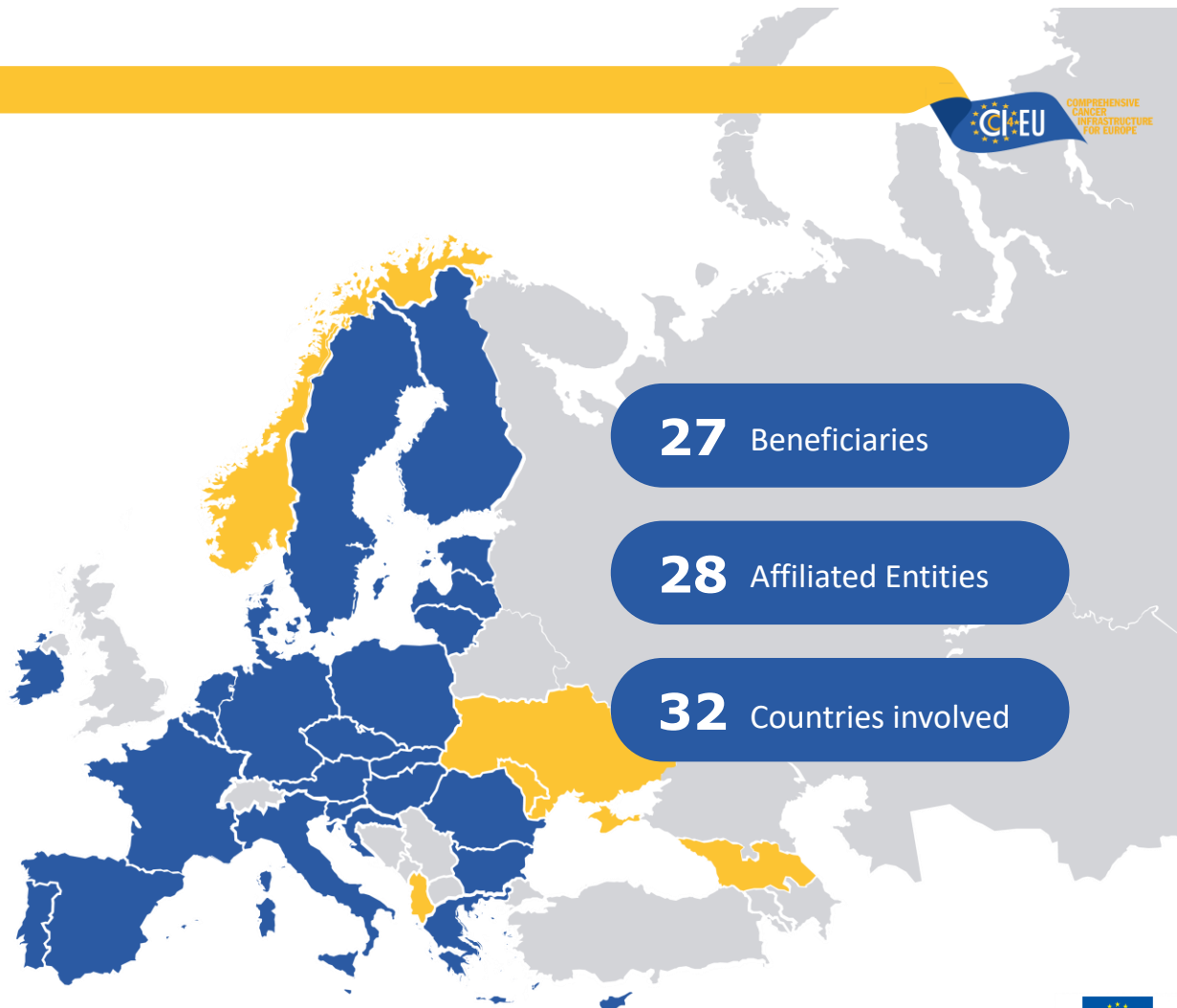
5 basic phases

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- Develop the theoretical model
 - Map the maturity level of each MS/CCI
 - Prepare customised interventions (CBP)
 - Implement tailored interventions:
 - 9 “Deep Dives”
 - 3 regional conferences with up to 100 ‘team’ delegates from CCIs each
 - Online lectures on key CCC/CCI subjects, through the ESO platform.
 - Evaluate and disseminate

Consortium and Partners

- | | |
|----------------|-----------------|
| Albania | Italy |
| Austria | Latvia |
| Belgium | Lithuania |
| Bulgaria | Luxemburg |
| Croatia | Malta |
| Cyprus | Moldova |
| Czech Republic | Norway |
| Denmark | Poland |
| Estonia | Portugal |
| Finland | Romania |
| France | Slovakia |
| Georgia | Slovenia |
| Germany | Spain |
| Greece | Sweden |
| Hungary | The Netherlands |
| Ireland | Ukraine |

- ★ EU Member States
- ★ Associated Countries



27 Beneficiaries

28 Affiliated Entities

32 Countries involved

What is a Capacity Building Intervention?

Capacity Building is a complex intervention that requires multiple actions delivered to policymakers, researchers, health professionals, citizens, patients, caregivers and private companies, capable of change and improvement

Usually, it includes several common components. The core components are:

- didactic activities
- mentorship
- expert consultation
- practical application activities
- knowledge sharing activities
- and technical assistance

What are the steps of implementation of CB?

To achieve these challenging results in terms of process and outcomes, CCI4EU will design and implement the following sequential steps



1

Define quality indicators and Maturity Model

This will be done in integration with current EU actions focused on similar concepts (CrANE2, JANE2 and ECHOS-HUBS)

What are the steps of implementation of CB?

2

Profile each MS and a few Associated Countries in terms of CCI presence and levels of maturity

The opening hypothesis is that presence and maturity of CCIs varies widely among MSs without satisfying a comprehensive definition

3

Design tailored CBP interventions, giving priority to member states without any CCI

This will be done according to the maturity of CCIs, the specific need analyses from the quality indicator results, and involve relevant stakeholders in each Member State

4

Deliver online tailored training courses open to teams in all MSs and ACs

These online interventions will be designed to train teams rather than isolated individual trainees, so that impact in CCIs can be ascertained

What are the steps of implementation of CB?

5

Implement onsite interventions

- (a) Deep Dives in up to 9 CCI in MSs with targeted interventions involving teams of experts consulting
- (b) 3 Capacity Building Conferences oriented towards widening participating countries to implement CB among teams from CCIs

6

Scale up and sustain development

The CB interventions will be evaluated for effectiveness, and recommendations will be formulated for designing future CB scaled-up programmes using EU instruments to build cancer research and care capacity in all CCIs in all MSs

7

Disseminate and exploit

The results of the evaluated CB interventions will be published in many formats and communicated to policymakers, professionals, patients and other stakeholders for future actions