

COMPREHENSIVE CANCER INFRASTRUCTURES FOR EUROPE – CCI4EU

OECI days Warsaw

Date: 18th June 2026

Speaker: Maja Cemazar



EU Cancer mission recommendations:

Understanding

Prevention

Diagnostic and
Treatment

Quality of Life

Equitable Access

Cross-Cutting
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



European Commission: Directorate-General for Research and Innovation, Pita Barros, P., Beets-Tan, R., Chomienne, C., Ghiorghiu, S. et al., *Conquering cancer – Mission possible*, Publications Office, 2020, <https://data.europa.eu/doi/10.2777/045403>

The journey started in 2022



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.**

Call: HORIZON-MISS-2022-CANCER-01-02: Strengthening research capacities of Comprehensive Cancer Infrastructures

HORIZON-CSA HORIZON Coordination and Support Actions



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

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

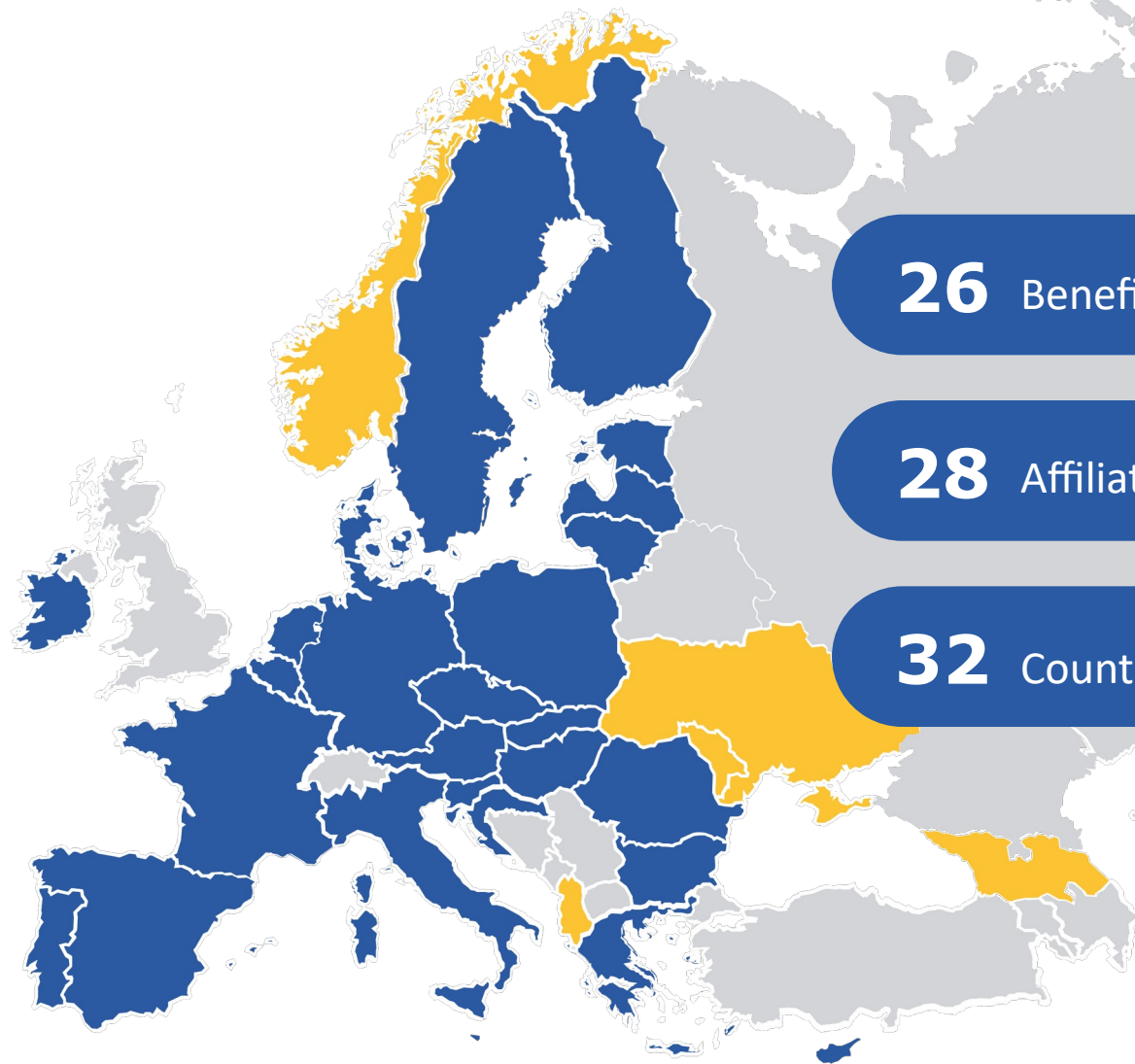
★ EU Member States

★ Associated Countries

26 Beneficiaries

28 Affiliated Entities

32 Countries involved



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’

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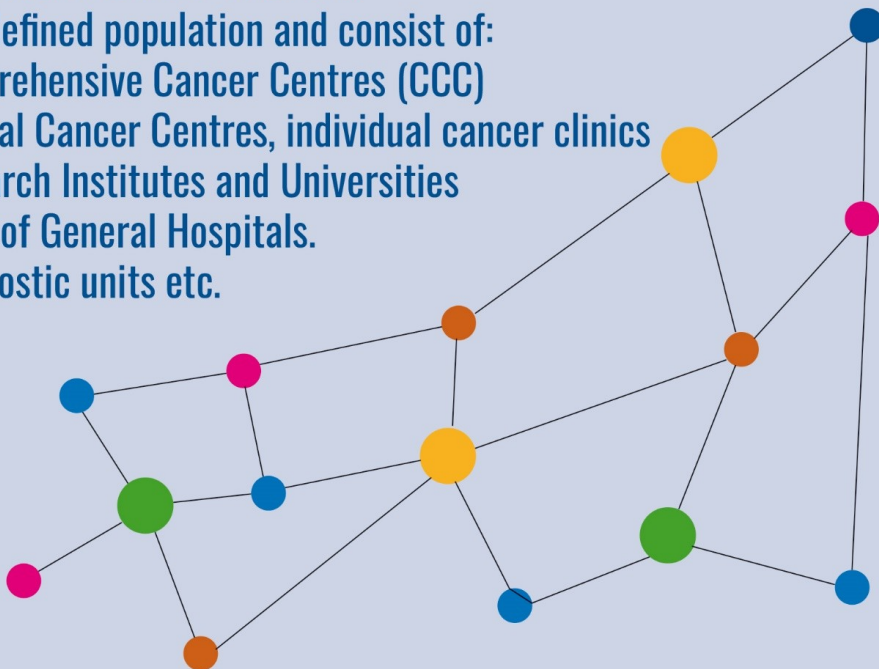
What is a Comprehensive Cancer Infrastructure? (CCI)

CCI A Comprehensive Cancer Infrastructure should also include public functions such as public health, screening, primary and community care, and population cancer registries. Other supporting infrastructures such as –omics and clinical trials platforms

CCN

Comprehensive Cancer Networks* serve a defined population and consist of:

- Comprehensive Cancer Centres (CCC)
- Clinical Cancer Centres, individual cancer clinics
- Research Institutes and Universities
- Units of General Hospitals.
- Diagnostic units etc.



* Including Comprehensive Cancer Care Networks according to GraNE WP 6 (CCCN)

Topics covered by the project to build on increased capacity of CCI



Define CCI Maturity Model

including quality indicators;
profiling the CCIs in all Member States and in five Associated Countries in terms of CCI presence and level of maturity



Design tailored CBP interventions

giving priority to Member States without any CCI



Deliver online training courses

for teams in all Member States and Associated Countries



Implement targeted onsite interventions

scale up and sustain development



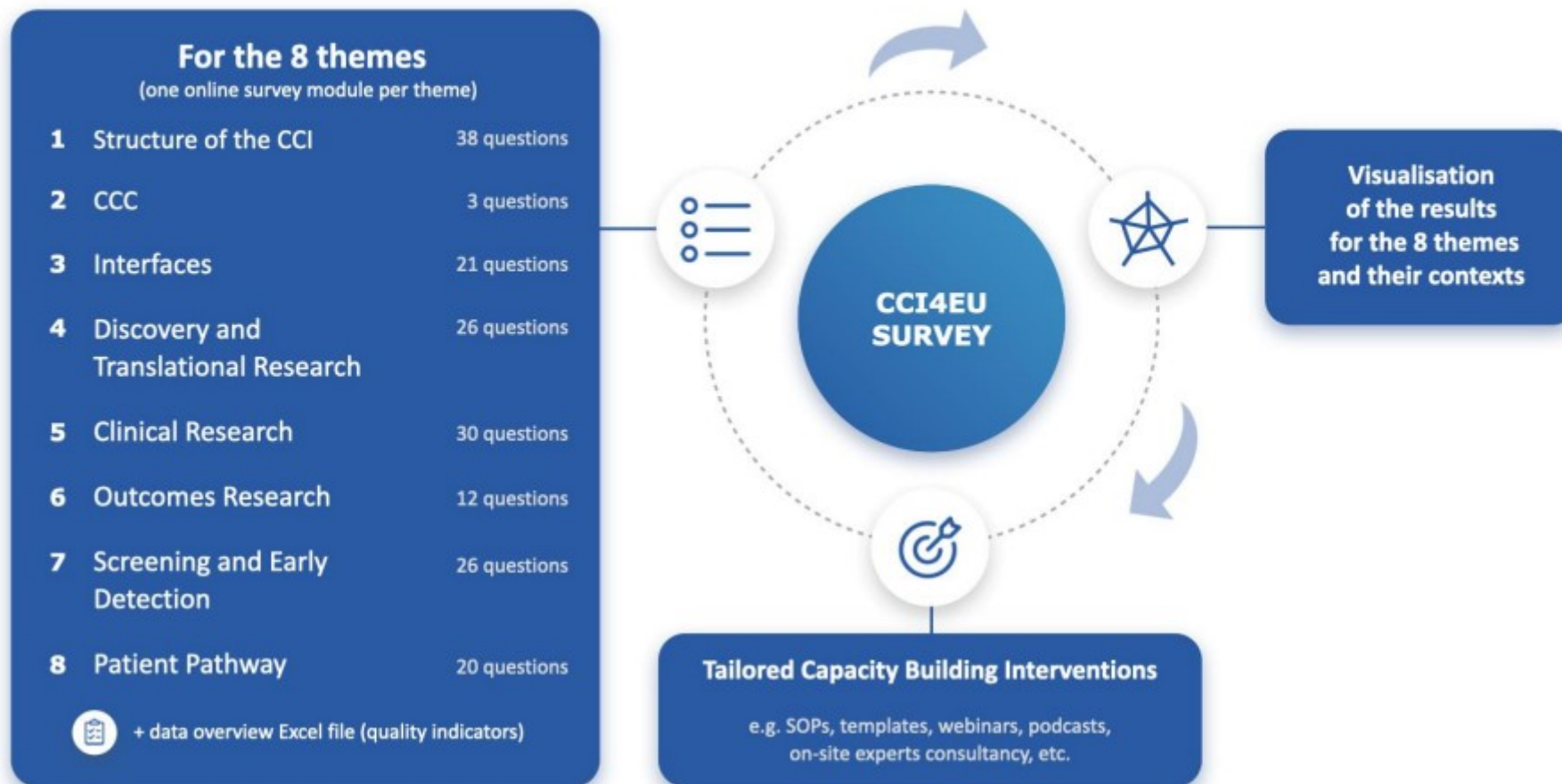
Disseminate, exploit and report results

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

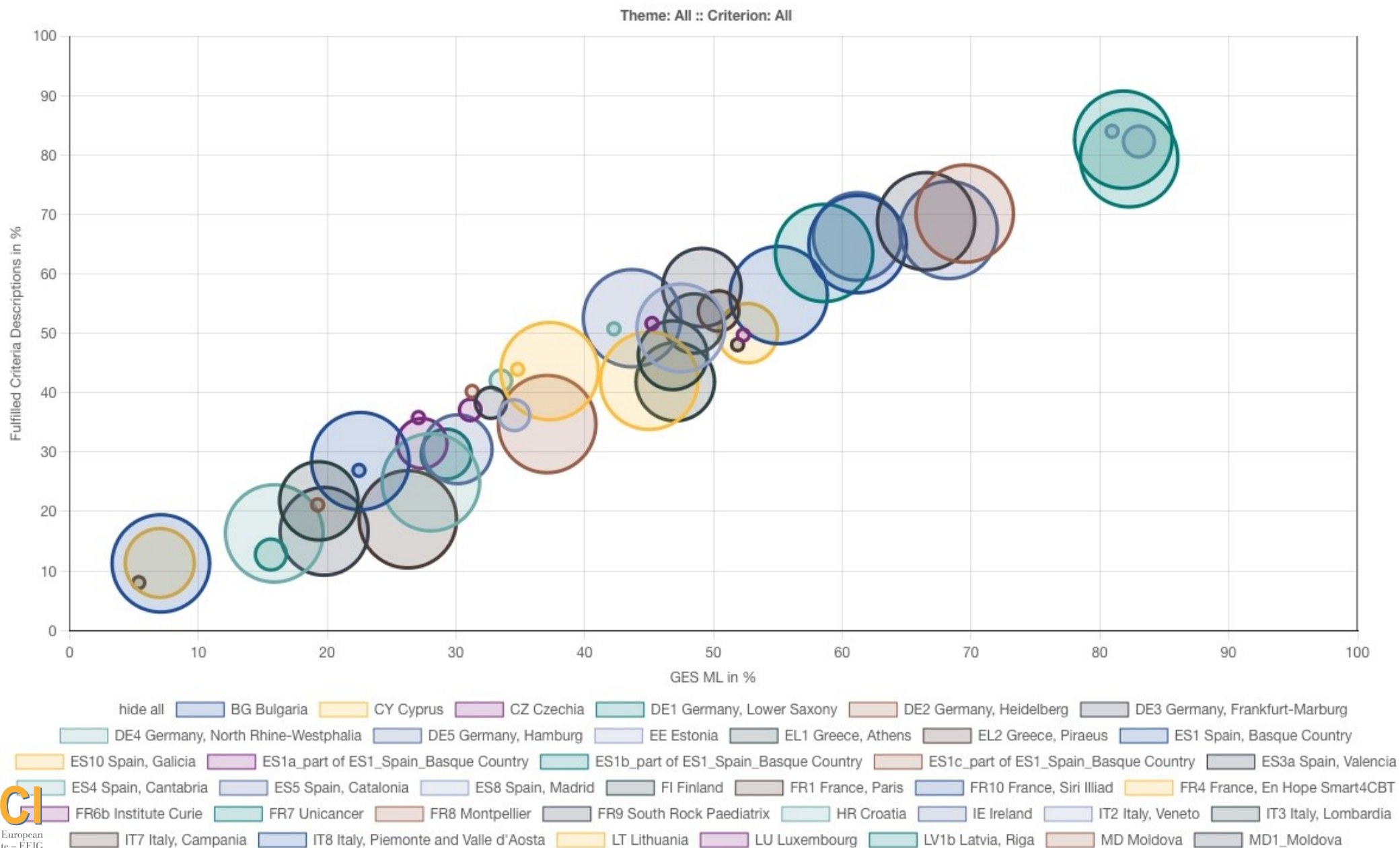
The opening hypothesis is that presence and maturity of CCIs varies widely among MSs without satisfying a comprehensive definition

CCI4EU SURVEY

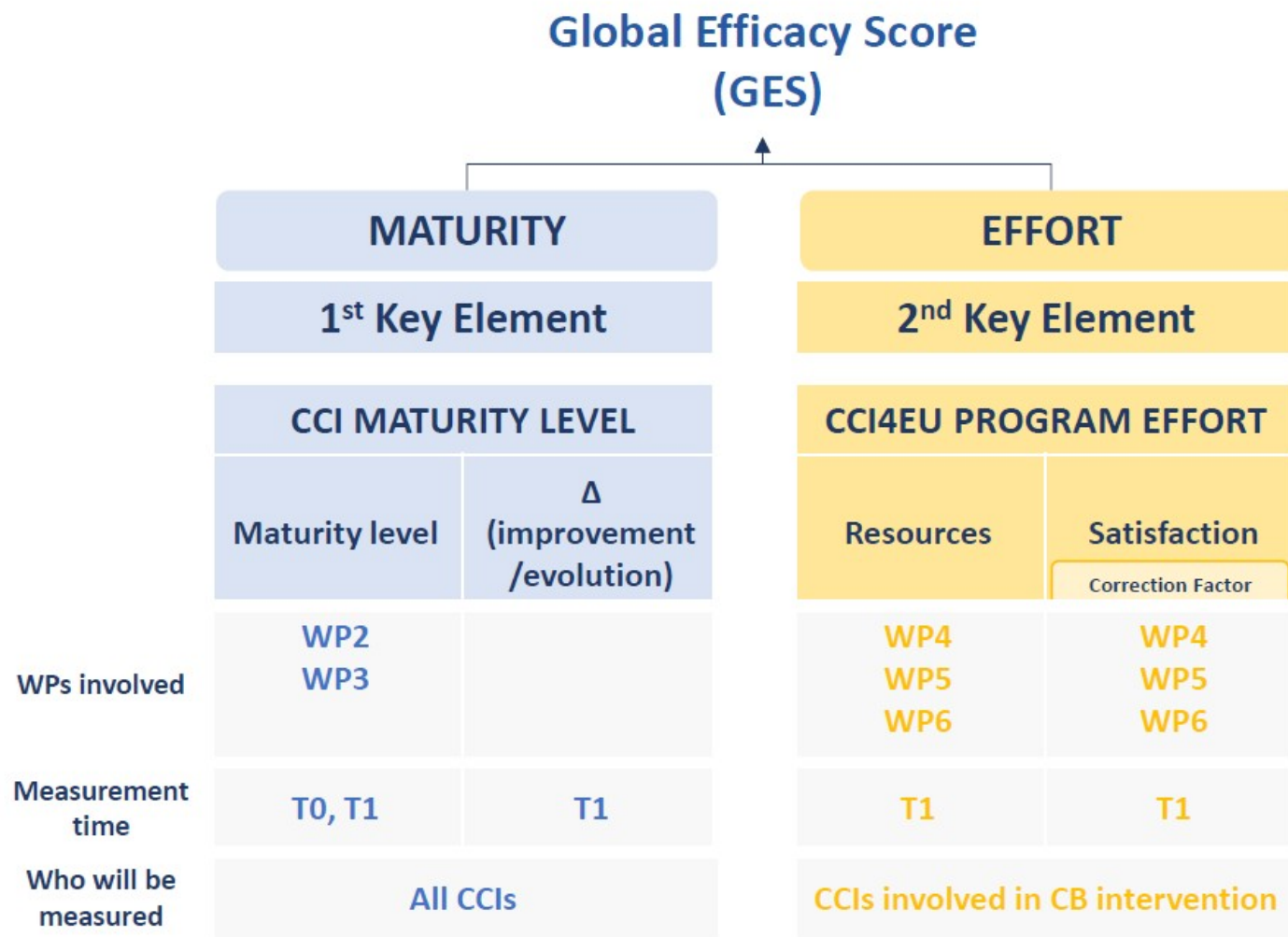
Self-assessment tool setting up and further developing Comprehensive Cancer Infrastructures (CCI)



Maturity level and global efficacy score of CCIs at the initial survey



GES methodology | 2 Components



T0: First measurement (Apr – Oct 2024)

T1: Final measurement (TBD 2025)

Deep Dives

A Deep Dive is a tailored and structured intervention within a Comprehensive Cancer Infrastructure (CCI). The purpose is to help the CCI build their capacity in particular domains (for instance early phase trials; molecular diagnostics or survivorship). It consists of site visits to the CCI by multidisciplinary expert teams, according to the specific domains of intervention chosen for that Deep Dive site.



Up to 3 site visits



Up to 3 sites each



Up to 10 people
in expert teams

STANDARD

- Each chosen Deep Dive site has been given a **CCI4EU Project Manager (2.3 Person months are estimated for this task over 25 months)**
- Each team is led by an **expert chair** who is a senior oncologist, researcher, or cancer centre director.
- 95 Experts have been recruited for Deep Dives and other interventions
- Each chosen Deep Dive site is being granted a **6 person months local Project Manager**

Visit 1

Detailed diagnosis

Situational analysis with all main relevant parties

Visit 2

Intervention

Design of the step change improvement

Visit 3

Follow-up

Site to report back and gain further focused advice

Capacity building interventions: Regional



Capacity Building Conferences

The CCI4EU Capacity Building Conferences brought together multidisciplinary teams from across Europe to strengthen research and innovation capacities within Comprehensive Cancer Infrastructures (CCIs).

Across three conferences, participants explored key challenges in developing effective CCIs – from translating research into clinical practice, to strengthening research infrastructures and collaboration, and improving patient pathways.

Through expert-led sessions, real-world case studies, and peer exchange, the conferences provided practical guidance to support CCIs in advancing research, integrating innovation into care, and enhancing coordination across the patient pathway.

[Explore Capacity Building Conferences](#)

BRINGING RESEARCH INSIGHTS INTO CLINICAL IMPLEMENTATION
CCI4EU First Capacity Building Conference

10-11 October 2024

First Capacity Building Conference

[Read more](#) →

ACCELERATING CANCER RESEARCH AND INNOVATION IN COMPREHENSIVE CANCER INFRASTRUCTURES
CCI4EU Second Capacity Building Conference

9-10 April 2025

Second Capacity Building Conference

[Read more](#) →

EFFECTIVE PATIENT PATHWAYS
CCI4EU Third Capacity Building Conference

15-16 October 2025

Third Capacity Building Conference

[Read more](#) →

Capacity building interventions: 10 on-lines



CCI4EU Online Courses

A series of ten online courses was developed to provide targeted training supporting the development of Comprehensive Cancer Infrastructures (CCIs) across Europe.

The courses addressed key areas identified through the project, including clinical research, molecular diagnostics, data sharing, prevention, patient empowerment, and value-based care, offering practical insights and real-world examples.

Delivered through interactive sessions and supported by on-demand materials, the programme enabled multidisciplinary teams to strengthen skills, exchange knowledge, and apply best practices within their local CCI context.

All course content remains available online via the [e-ESO](#) platform, allowing continued access to training materials and supporting ongoing capacity building beyond the duration of the project.



Resource Centre

The CCI4EU Resource Centre brings together a curated collection of tools, guidance, and learning materials to support professionals involved in the development of Comprehensive Cancer Infrastructures (CCIs).

It provides a structured and searchable repository of validated resources from CCI4EU partners and related European initiatives, covering key capacity building themes such as clinical and translational research, patient pathways, early detection, and data sharing.

Designed for multidisciplinary teams – including clinicians, managers, researchers, and policymakers – the Resource Centre supports the planning, implementation, and continuous improvement of CCIs by facilitating access to practical knowledge, best practices, and project outputs.

[Explore Resource Centre](#)



Target Audiences

- ✓ **Coordinators, trainers, researchers and patient advocates involved in developing Comprehensive Cancer Infrastructures (CCIs)**
- ✓ **Cancer Centre or hospital managers, administrators, clinicians and healthcare staff**
- ✓ **CCI4EU "deep dive" chairs, project managers and experts**



Navigation

- ✓ **Visit a capacity building theme page to find related resources**
- ✓ **Filter resources by topic, format, audience or content type**
- ✓ **Or simply type a key word into the search box**



The Resources

- ✓ **A verified index of capacity building resources from CCI4EU project partners and related EU-funded initiatives**
- ✓ **All resources address capacity building challenges on one or several of the CCI4EU capacity building themes**

Thank you for your attention