



The role of cancer registries' data in support of the Europe's Beating Cancer Plan

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Cancer: the primary cause of death for EU citizens under 65

- **2.7 million new cases** and **1.3 million deaths** estimated for 2020 in the EU
- **1 in 2 people** estimated to **develop cancer** and **1 in 5** to **die** because of cancer in the EU
- **Cancer cost** to the EU almost **€97 billion** (2018 figure)

Up to **40%** of cancers **can be prevented**

The **European Union** needs **coordinated actions** in the fight against cancer

Europe's Beating Cancer Plan

- Four pillars: (1) prevention; (2) early detection; (3) diagnosis and treatment; and (4) quality of life of cancer patients and survivors
- 10 flagship initiatives and 32 actions - at every key stage of the disease
- Horizon Europe Mission on Cancer
- Governance via three groups
- 4 billion EUR budget, including EU4Health programme



Role of cancer registries' information

- Key role as information providers to feed policies and plan/monitor actions
- Need for reliable, up-to-date and comparable data
- The Cancer Plan addressed CRs' contribution
 - *Knowledge Centre on Cancer*
 - *European Health Data Space*
 - *Contribution from ECIS to the screening indicators*
 - *Cancer Inequalities registry*

Roles of the EC Knowledge Centre on Cancer (KCC)

KNOWLEDGE SERVICE

Knowledge Centre on Cancer

We foster scientific and technical coordination of EU activities on cancer, while expanding the EU's capacities and systems for prevention, early detection, treatment and care.



- Expand the **European Cancer Information System** as THE reference for cancer burden monitoring
- Develop and provide **European Guidelines** and **Quality Assurance schemes** for cancer prevention, screening, diagnosis, treatment and care
- Evidence-clearing house (via the **Knowledge Gateway** and **Best Practices**) for **Cancer Prevention policies**
- **Independent data broker**, fostering interoperability while expanding EC IT cancer systems, gateways, portals, platforms and databases

Important milestones for the KCC/ECIS

- Enrich the ECIS data with clinical information, geoposition the data and link to demographic, environmental and other related datasets that could support more targeted cancer prevention.
- Improve harmonization and comparability of Cancer Registry data among the regional/national registries, increasing data **completeness**, addressing the **timelines** of the information collected, as well as the population **coverage**.

Challenges of cancer registration in Europe

- **Coverage**
- **Variety** of organisation, funding, health systems and infrastructures
- **Data availability, harmonisation** of data processing and reporting
- **Timeliness** in data provision (typically 3-4 years lag)
- **Multilingualism**
- Long-term **sustainability**
- Lack of a formal data-collection **mandate** at EU level
- **Confidentiality** and sensitive data
- **Reluctance** to share the data

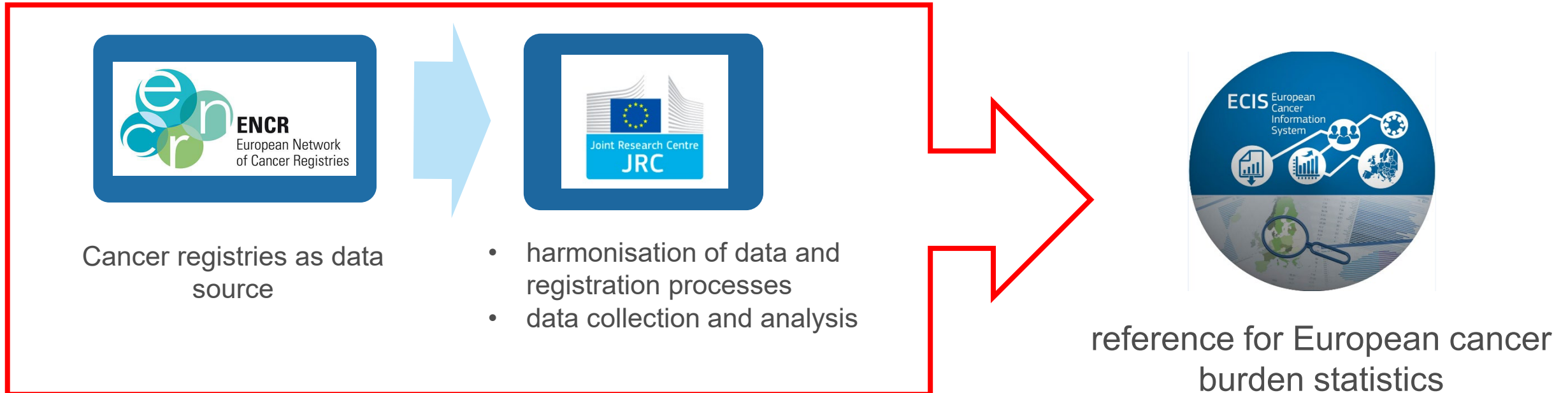
ECIS – European Cancer Information System

- Provides the **latest information on indicators** that quantify cancer burden across Europe
- Permits the exploration of **geographical patterns and temporal trends** of incidence, mortality and survival data across Europe for the major cancer entities
- Supports **research** and **public-health decision-making** in the field of cancer, and serves as a **point of reference** and information for **European citizens**

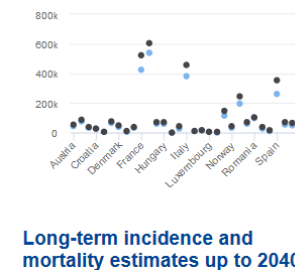
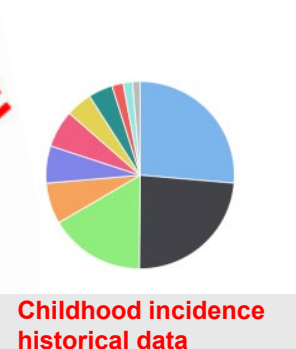
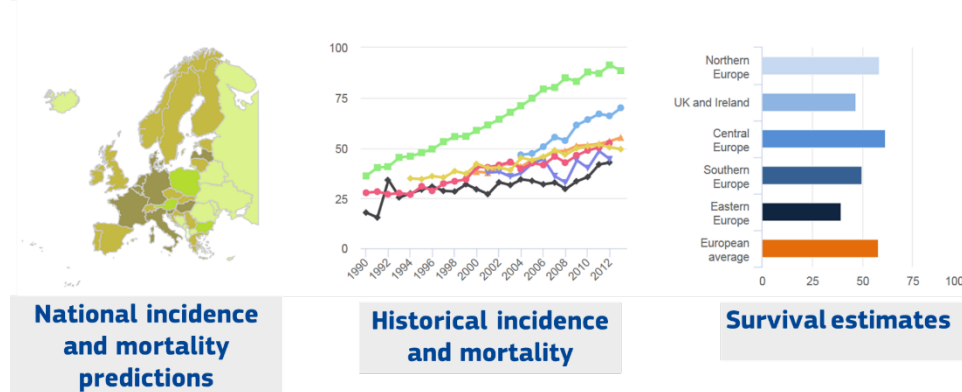
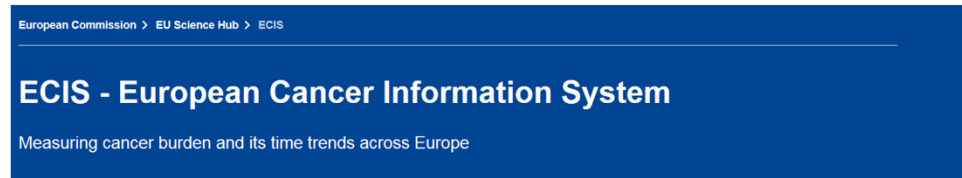
<https://ecis.jrc.ec.europa.eu/>

Rationale of ECIS

TO PROVIDE TIMELY COMPARABLE DATA ON CANCER BURDEN

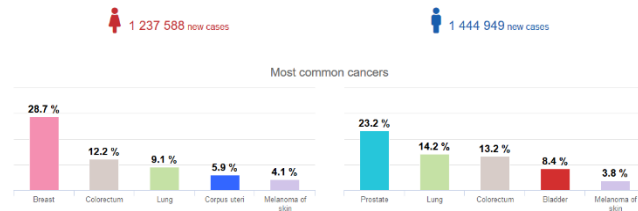


ECIS as a collaborative European effort

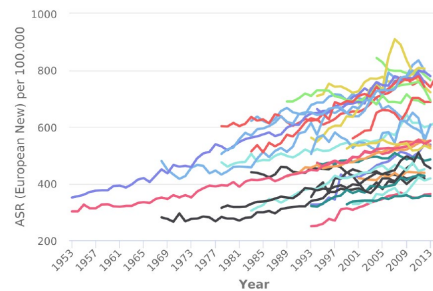


ECIS as a basis to understand more

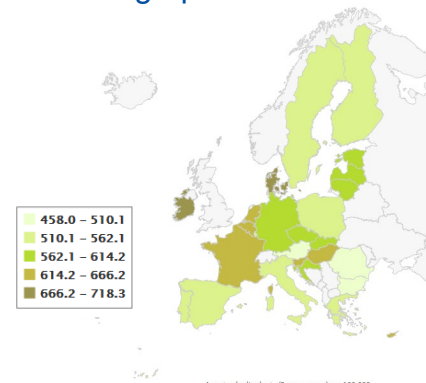
2020 estimated cancer incidence in EU-27



Temporal trends



Geographic variations

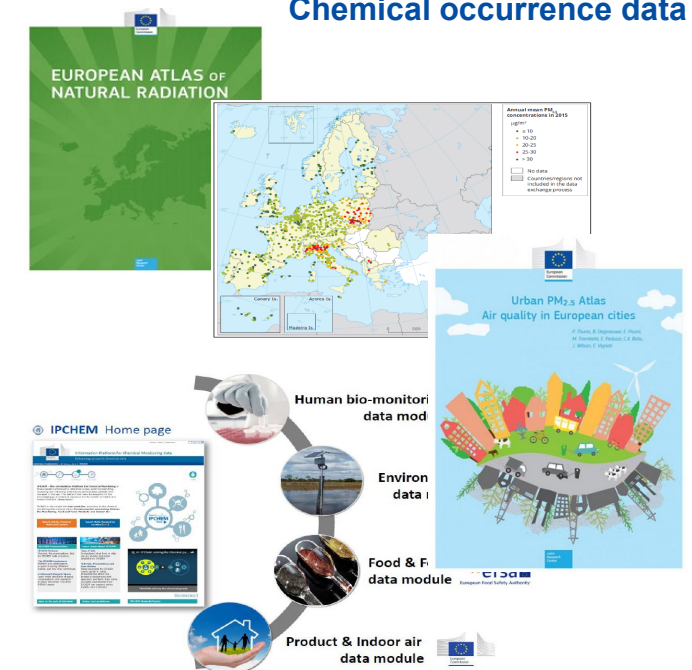


Radon concentration

PM2.5 concentration

Heavy metals in soil

Chemical occurrence data



Thank you



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