

Towards a comprehensive and harmonised

# cancer information system:

the role of the European

Commission's Joint Research

Centre

Jerica ZUPAN
Joint Research Centre
The European Commission's
in-house science service

Research Centre

# JRC – Institute for Health and Consumer Protection (IHCP)



Molecular Biology and Genomics



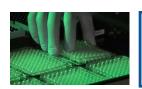
**Nanobiosciences** 



Public Health Policy Support



Systems Toxicology



Chemical Assessment and Testing

Public Health
Policy Support

Ciaran Nicholl (Head of Unit)

Unit Work Programme Coordinator

Nicholas Nicholson

**Competence Groups** 

Nutrition and Health Sandra Louro Caldeira

Cancer and Rare Diseases
Ciaran Nicholl f.f.

Behavioural Research Benedikt Herrmann

Health Information on Cancer



# **European Cancer Information System**

## 1. Cancer is the second most common cause of death in the EU

3.45 million new cases of cancer and 1.75 million deaths from cancer in Europe estimated in 2012\*

## 2. European Institutions active in this area since 1987

**3. EC Commitment** → to reduce the burden of cancer in Europe

Measures to implement this goal depend on accurate and comparable European cancer data (incidence-prevalence-survival-mortality).

<sup>\*</sup>Ferlay et al. Cancer incidence and mortality patterns in Europe: estimates for 40 countries in 2012. EJC. 2013; 49: 1374-1403.



## **Main Achievements so far**

- Hosting of ENCR Steering Committee Meetings at JRC-Ispra (Italy) starting from December 2012 (2 in 2013 and 3 in 2014).
- Official transfer of the ENCR Secretariat to JRC August 2013.
- Development and adoption for the ENCR of a new corporate image (including logo, updated website and newsflash)and provision of a common "look and feel" for all ENCR products – August 2013.





# **European Network of Cancer Registries (ENCR)**

- The ENCR was established (1990) within the framework of the Europe Against Cancer Programme of the European Commission.
- Objectives:

To promote collaboration between cancer registries.

To define data collection standards.

To provide training for cancer registry staff.

To disseminate information (incidence, mortality and survival) from cancer in the European Union and Europe.



http://www.encr.eu/

- ✓ The ENCR is governed by the Steering Committee.
- √The ENCR is hosted by the European
  Commission's Joint Research Centre.
- √The ENCR is affiliated to the International Association of Cancer Registries (IACR).



# **European Network of Cancer Registries (ENCR)**

**ENCR** membership



## **Population-based cancer registries**

- 1. They operate in Europe.
- 2. They completed the ENCR questionnaire 'Overview of the registration practices' launched on May 2010 and on May 2014.



# 159 members (37 countries and 66% of population)



21 countries (1 registry) .......Spain (16), France (20) and Italy (37)



### The *ENCR Newsflash*



#### Last news

## **ENCR Upcoming and Current Activities**

- Call for
- New Breast Cancer Factsheet
- 55th ENCR Steering Committee Meeting
- 54th ENCR Steering Committee Meeting
- Preliminary results on quality checks for analysing

#### Congratulations to the Newly Elected Members of the ENCR applications at Steering Committee!

Following the end of term of Stefano Rosso, Anna Gavin, Sabine Siesling, and Alexander Katalinic, as well as the resignation of Ariana Znaor, ENCR-affiliated cancer registries were invited to cast their votes from 1 September 2014 to 15 October 2014 for the renewal of the elected members of the ENCR Steering Committee. Among the nine candidates, the following nominees were elected: Nadya Dimitrova, Harry Comber, Carlotta Buzzoni, Alexander Katilinic and Maria Dolores Chiriaque. More information about the newly elected members of the ENCR Steering Committee is available here. If you want to know more about the rules and composition of the ENCR Steering Committee, please visit

#### The 55th ENCR Steering Committee Meeting

#### 12 November 2014

The previous and newly elected ENCR representatives will meet for the first time on the morning of 12 November 2014, right before the opening session of the 2014 ENCR Scientific Meeting. The main topics cancer registry of discussion will include current and future ENCR activities, particularly in view of the General Assembly on the 13 November 2014.

#### 2014 ENCR Scientific Meeting and General Assembly

#### 12-14 November 2014, Ispra (IT)

The final programme of the 2014 ENCR Scientific Meeting is available online. The event will open with one plenary session on the results from the ENCR working group activities on quality data checks and will continue with five scientific sessions including contributions from five invited speakers, 26 oral and 73 poster presentations. The Scientific Meeting will cover several topics, from quality checks to clinical data, including a discussion on availability of information and statistical methods. All meeting documents, including abstracts of posters and oral presentations, will be distributed at the conference and will be available on the ENCR website.

#### 2014 ENCR Membership Survey: Preliminary Results

#### 13 November 2014, Ispra (IT)

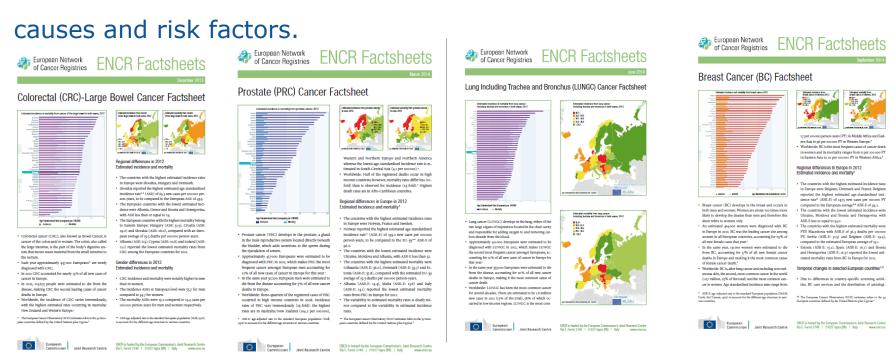
In May 2014, the JRC and the ENCR invited all European cancer registries to participate in the 2014 ENCR survey on cancer registration practices. To date, a total of 118 European cancer registries responded to the invitation and completed the survey. Some preliminary results of the survey will be presented at the 2014 ENCR General Assembly, on 13 November 2014. if for any reason you haven't yet received the invitation to participate in the membership survey, please contact the ENCR secretariat at JRC-ENCR@ec.europa.eu.

- July 2013
- December 2013
- May 2014
- July 2014
- October 2014



### The ENCR Factsheets

The factsheets provide an overview of the cancer burden in Europe. They inform about regional differences in incidence within Europe, on gender patterns and on trends over the last decades. Complete with a summary of screening and prevention methods and an overview of causes and risk factors.



**December 2013** 

**March 2014** 

**June 2014** 

## September 2014



## **Training courses**

Organisation and funding of a Cancer Registry Training
 Course (45 participants): Izmir, Turkey, 30 Sep - 4 Oct 2013

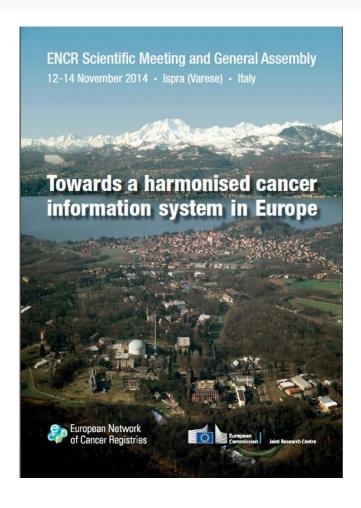
Participants from: Albania, Algeria, Armenia, Azerbaijan, Bahrain, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Egypt, Faroe Island, the Former Yugoslav Republic of Macedonia, Georgia, Iceland, Israel, Iraq, Jordan, Kosovo, Lebanon, Libya, Liechtenstein, Kuwait, Moldova, Montenegro, Morocco, Norway, Occupied Palestinian Territory, Oman, Qatar, Romania, Russia, Saudi Arabia, Serbia, South Sudan, Sudan, Switzerland, Syria, Tunisia, Turkey, Ukraine, United Arab Emirates, Yemen, Western Sahara.

Paediatric Oncology for Cancer Registries Training course:
 IARC, Lyon (France), 25 to 29 November 2013



# **ENCR Scientific Meeting and General Assembly**

12-14 November 2014 · Ispra (Varese) · Italy



165 participants and99 abstracts26 oral presentations73 posters



# **2014 ENCR survey: Cancer registration practices**

#### Aim

- Build the JRC database of European registries
- Update information on registration practices
- Disseminate info to the ENCR members and SC

rito registries in

Contact info

Registry description (geography, coverage, type, year established)

Conditions of cancer registration (legislation, personal identifiers, restrictions)

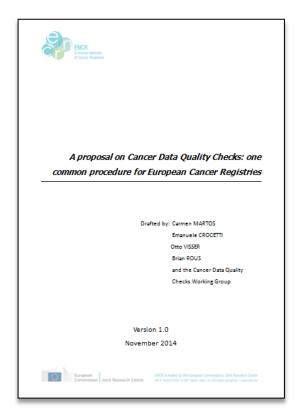
Funding sources

Data sources

Registration criteria and procedures (sites, data collected and coding, etc.)



# A proposal on Cancer Data Quality Checks



# **Objectives**

- ☐ To establish a comprehensive, standardised, and common list of quality checks for harmonising CR data for international studies
- To stimulate collaborations between CRs and the main stakeholders in cancer information in Europe
  - Case definition
    - Variables and their formats
      - ☐ Internal consistency checks

Impossible codes or combinations → Error

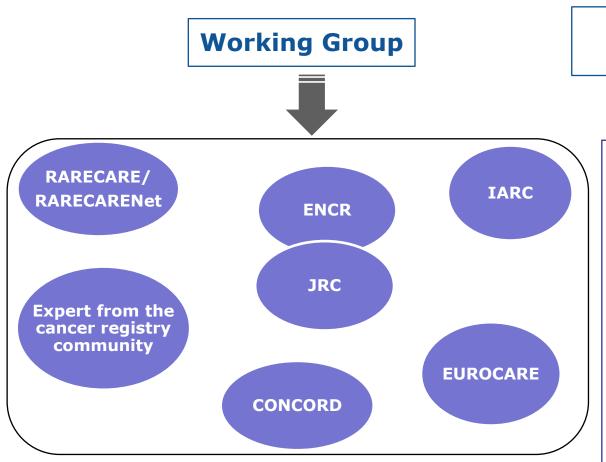
Very unlikely codes or combinations → Warning

Possible, but very rare code or combinations → Warning

Focuses on



# A proposal on Cancer Data Quality Checks



3 Workshops at JRC - Ispra (Italy)



## 2 July 2013

Overview of data quality checks used by major EU studies and open discussions on quality control methods.

#### 15 October 2013

Agreement was reached on the mandatory and basic variables list and their formats.

#### 4 June 2014

Discussion and agreement for "One common procedure for European Cancer Registries"



# **On-going and Future Priorities**

 Providing an up-to-date mapping of the European cancer registries, their individual registration processes and needs.



Analysis of the 2014 ENCR survey

 Becoming a reliable and sustainable data hub for epidemiological research in cancer.



Development of a free software for quality checks

Call for data in 2015

 Bring all stakeholders and expert groups together to tackle priority issues



ENCR-JRC working groups



# **On-going and Future Priorities**

- Organising training courses and workshops.
- Collaborating in projects like HIRESELD European High Resolution
   Study on ELDerly patients (co-morbidity), childhood cancer, etc
- Ensure alignment with other EU-wide initiatives (ex.INSPIRE) and other EC DGs (SANCO, EUROSTAT, RTD,...).

#### For More Information:

http://ihcp.jrc.ec.europa.eu/our activities/public-health/cancer policy support

http://www.encr.eu





# Thank You for Your Attention

JRC-ENCR@ec.europa.eu



