

Presentation and discussion of the Biennial Report 2020-2021

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*Governing Council, Lyon 12-13 May 2022, item 4
by Web conference*

International Agency
for Research on Cancer

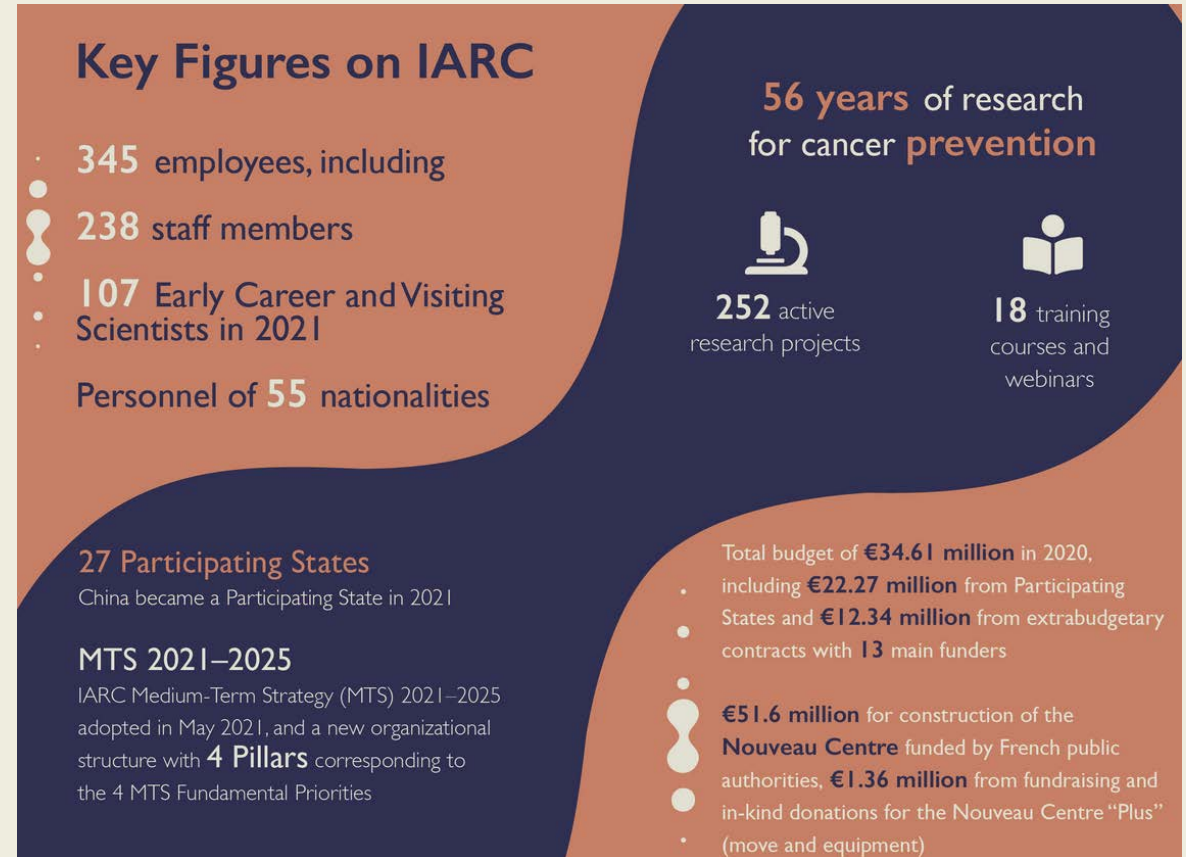


The Biennial Report 2020-2021



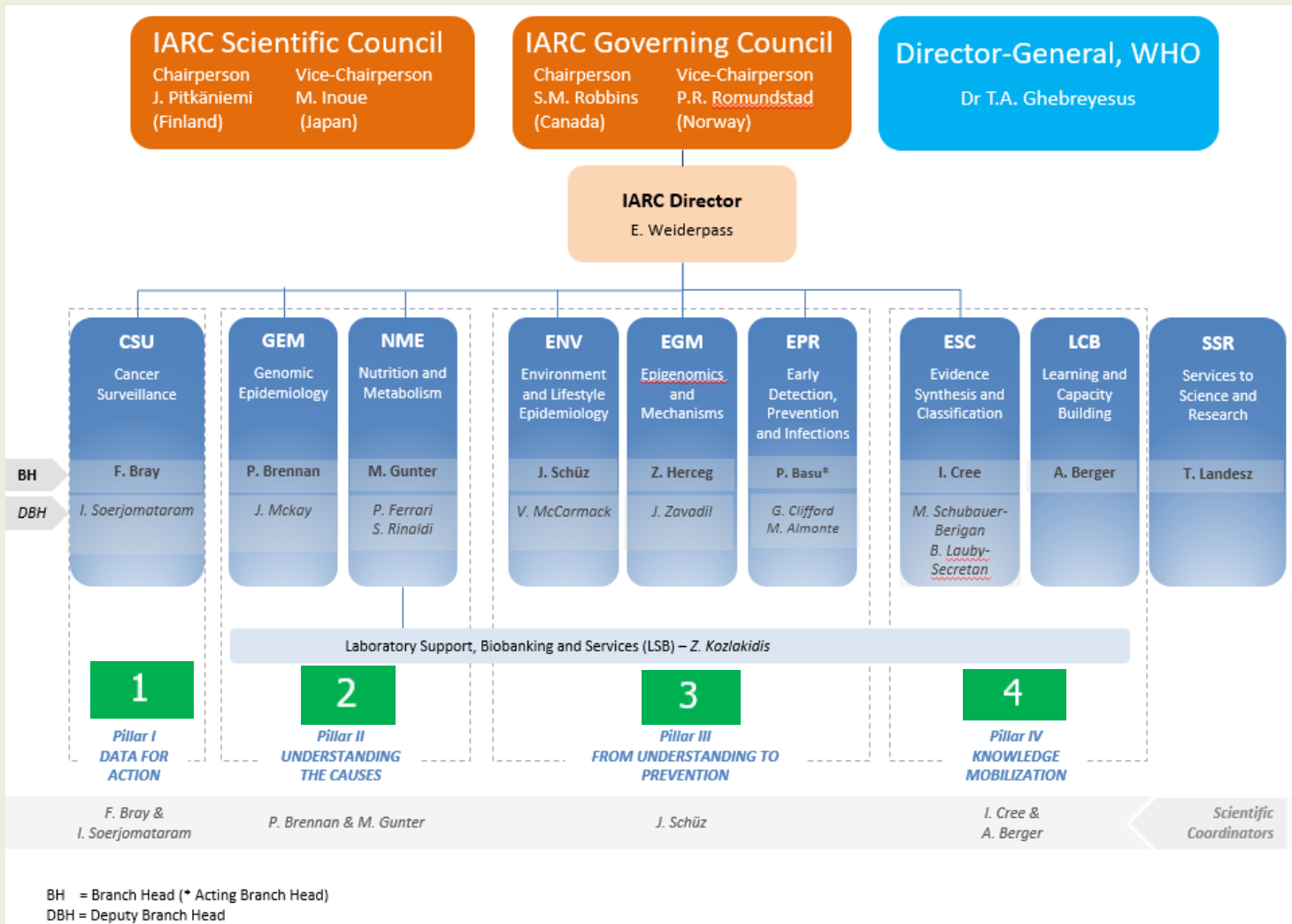
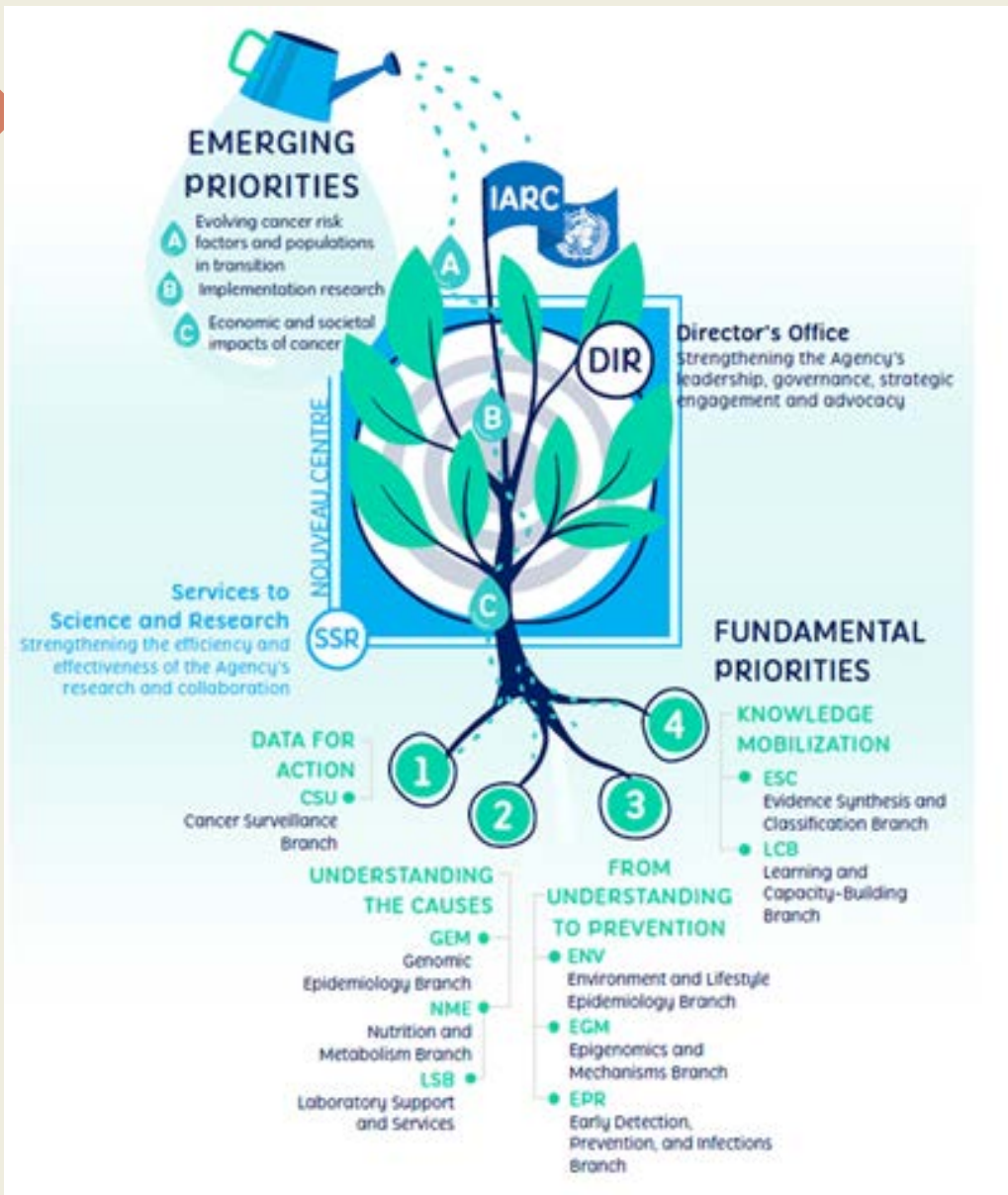
<https://publications.iarc.fr/607>

Key Cancer Data and Key Figures on IARC: 2020–2021



<https://www.iarc.who.int/biennial-report-2020-2021web/>

Medium-Term Strategy 2021-2025 and organizational structure



Pillar 1 – Data for Action

Key Global Cancer Data for 2020

19.3 million

new cancer cases
worldwide in 2020



Breast cancer
overtook **lung cancer**
as the most commonly
diagnosed cancer
worldwide



30.2 million

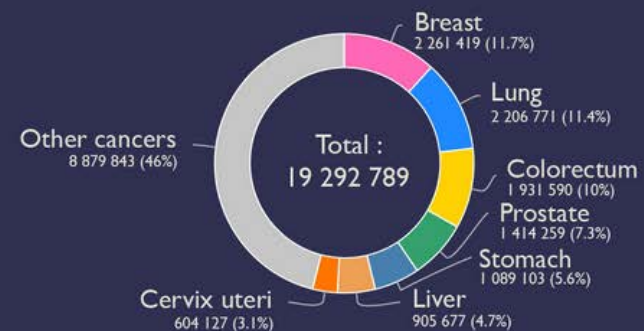
new cancer cases worldwide
predicted in **2040**



9.96 million

cancer deaths worldwide in 2020

Estimated number of new cases in 2020,
worldwide, both sexes, all ages



Estimated **infection-attributable**
cancer burden: **2.2 million**
new cancer cases worldwide in 2018



741 000 new cancer cases
worldwide in 2020 associated
with **alcohol** consumption



16.3 million cancer deaths
worldwide predicted in **2040**

Pillar 1 – Data for Action

6 Regional Hubs

work in collaboration to coordinate GICR activities



**GLOBAL INITIATIVE
FOR CANCER REGISTRY
DEVELOPMENT**

Global Cancer Observatory based on *GLOBOCAN* estimates of incidence, mortality, and prevalence in **185 countries in 2020**



Network of IARC–GICR

Regional Trainers:

14 e-learning modules developed

Second **IARC–GICR Summer School** held virtually in collaboration with National Cancer Center of Republic of Korea

New research programmes

Cancer inequalities
Health economics

Targeting **Childhood Cancer (ChildGICR)** project



COVID-19 and Cancer Global Taskforce
COVID-19 and Cancer Global Modelling Consortium



CanStaging+
tool provides calculation of stage for **12** cancer types

Pillar 2 – Understanding the causes

IARC Biobank

has **6 million**
biological specimens
collected worldwide



Mutational signatures of

5 cancers across 5 continents:

Mutographs Grand Challenge project

Rare Cancers Genomics initiative

Open-source packages

(<https://github.com/IARCbioinfo>)

500 000 participants in
EPIC study recruited in 1992–2000
in **10** European countries, with **10 000**
country-specific foods and beverages
in database

Assessment of **new biomarkers**
for cancer risk prediction to improve
early detection



1 000 biomarkers
of exposure to dietary factors and
pollutants in **Exposome-Explorer database**



Pillar 3 – From understanding to prevention

Epigenome-wide profiling

of oesophageal squamous cell carcinoma

Implementation research

HPV vaccination programmes

Helicobacter pylori eradication

Cancer screening strategies

Training of Trainers in the Community of Latin American and Caribbean States (CELAC)

with **CanScreen5**

Management of precancers

Modelling systems

Major barriers to improving breast cancer survival in low- and middle-income

countries: **ABC-DO study**

4th edition of

European Code Against Cancer

Latin American and Caribbean Code Against Cancer

World Code Against Cancer initiative

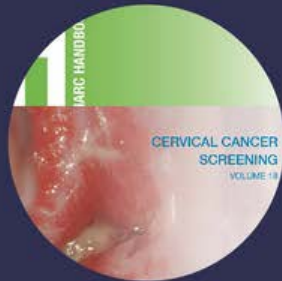
Pillar 4 – Knowledge Mobilization



50 years

of the *IARC Monographs* with **1032** agents evaluated for carcinogenicity

20 classifications thanks to 5 Working Groups in 2020–2021



IARC Handbooks

of *Cancer Prevention* Volume 18 (Cervical Cancer Screening) and Volume 19 (Oral Cancer Prevention)



3 volumes of the **WHO Classification of Tumours series** (WHO Blue Books) published:

Soft Tissue and Bone Tumours, 5th edition (2020)

Female Genital Tumours, 5th edition (2020)

Thoracic Tumours, 5th edition (2021)

Pillar 4 – Knowledge Mobilization

253 Early Career and Visiting Scientists from **58** different countries joined IARC during 2020–2021 through the IARC Research Training and Fellowship Programme

73 participants in the **IARC Summer School in Cancer Epidemiology 2021**, held online

7 IARC Postdoctoral Fellowships awarded to candidates from low- and middle-income countries

2 Fellowships on paediatric cancers

7 UICC-IARC Development Fellowships

2 IARC learning programmes selected as part of the **WHO Academy**

18 training courses and webinars targeting low- and middle-income countries

300 participants from **100** countries for the webinars on “Human Papillomavirus Vaccination” and “Obesity and Cancer”

5 webinars on the **World Cancer Report Updates learning platform** attended by **1100** health professionals from **116** countries

The logo for IARC learning features the text "IARC learning" in white. To the right of the text is a stylized graphic of a fan or a cluster of colorful lines in shades of blue, green, yellow, and red, radiating from a central point.

IARC
learning



Opportunities for questions

Thank you

International Agency
for Research on Cancer

