



**IAEA**

*60 Years*

*Atoms for Peace and Development*

## **Session V:**

# **The Programme of Action for Cancer Therapy - PACT**

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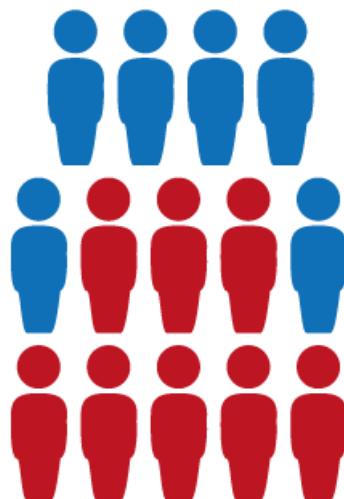
# Cancer: A growing global health & development issue

## New cancer cases

**Total:**  
14.1m new cases  
of cancer globally  
per year

8m in low and  
middle income  
countries

**57%**



**2012**



**2030**

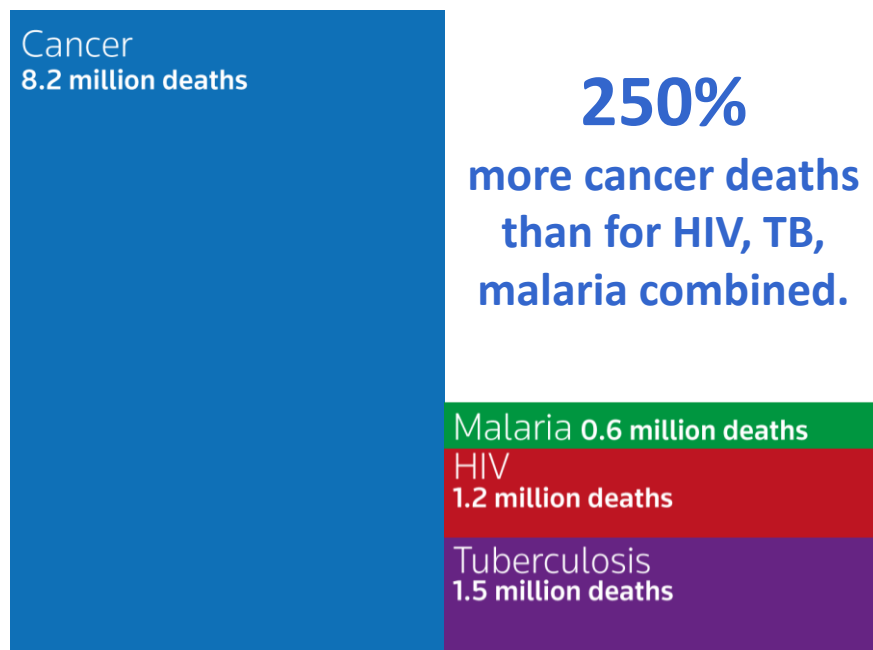
**Total:**  
21.6m new cases  
of cancer globally  
per year

13m in low and  
middle income  
countries

**60%**

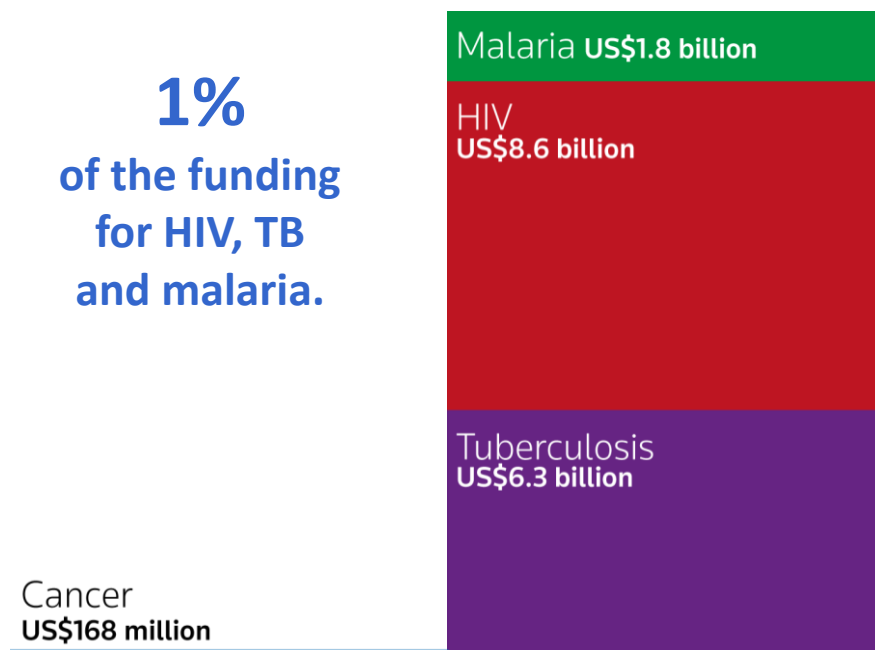
# The cancer perspective compared to HIV, TB and malaria

## Annual deaths



**250%**  
more cancer deaths  
than for HIV, TB,  
malaria combined.

## Annual funding



**1%**  
of the funding  
for HIV, TB  
and malaria.

# A growing global health & development issue

**Cancer survival should not be left to chance.**



**Prostate Cancer**

AUSTRALIA



**89%**  
5 Year Survival Rate

UGANDA



**46%**  
5 Year Survival Rate

**Breast Cancer**

USA



**89%**  
5 Year Survival Rate

JORDAN



**43%**  
5 Year Survival Rate

**Childhood Leukemia**

GERMANY



**92%**  
5 Year Survival Rate

MONGOLIA



**34%**  
5 Year Survival Rate

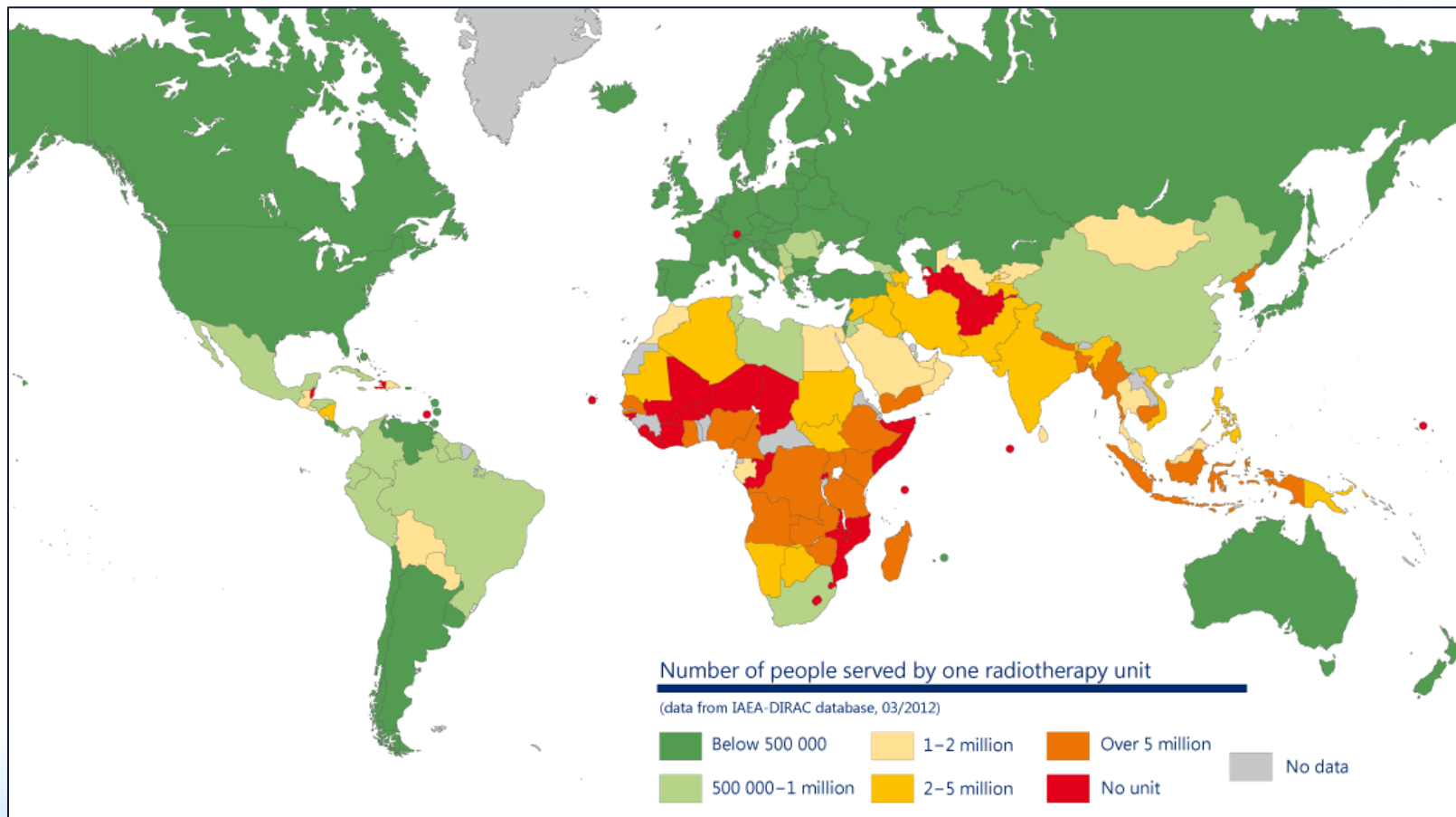
**Support expanded ACCESS to cancer care. Everywhe-**

**#CancerCare4All**

# Inequity in Access to Cancer Care

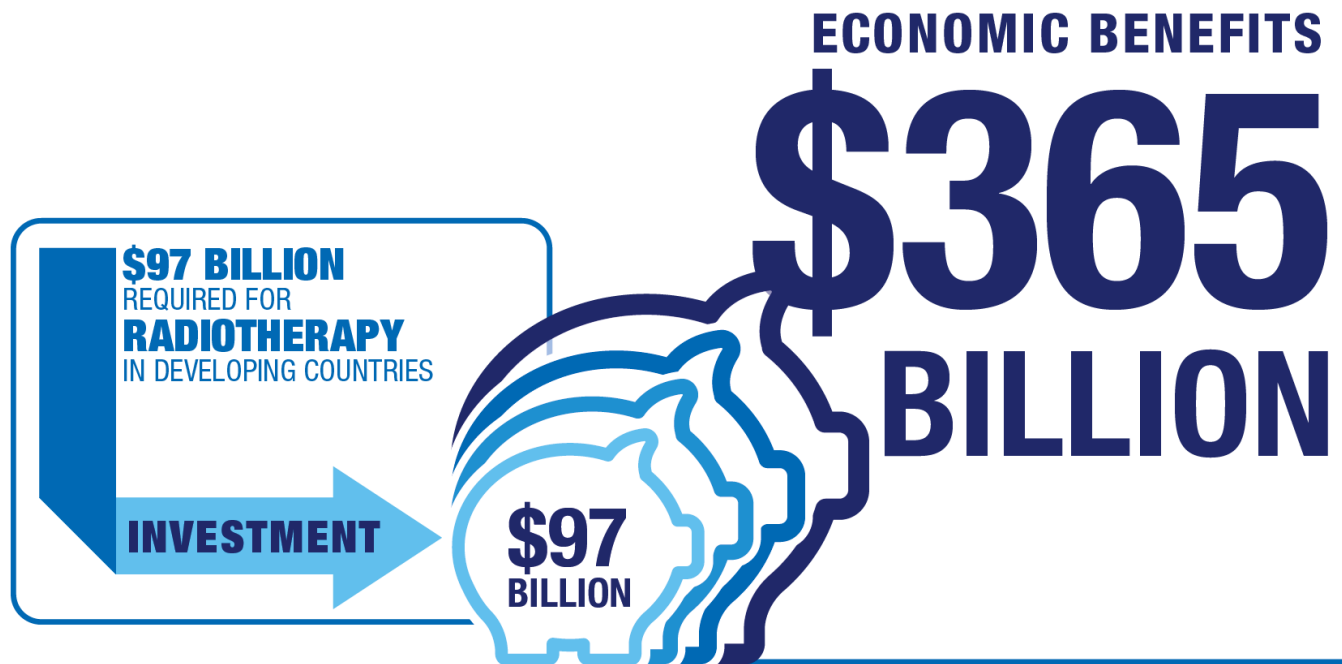
(Example of radiotherapy)

An estimated shortfall of over 5,000 radiotherapy machines in LMICs

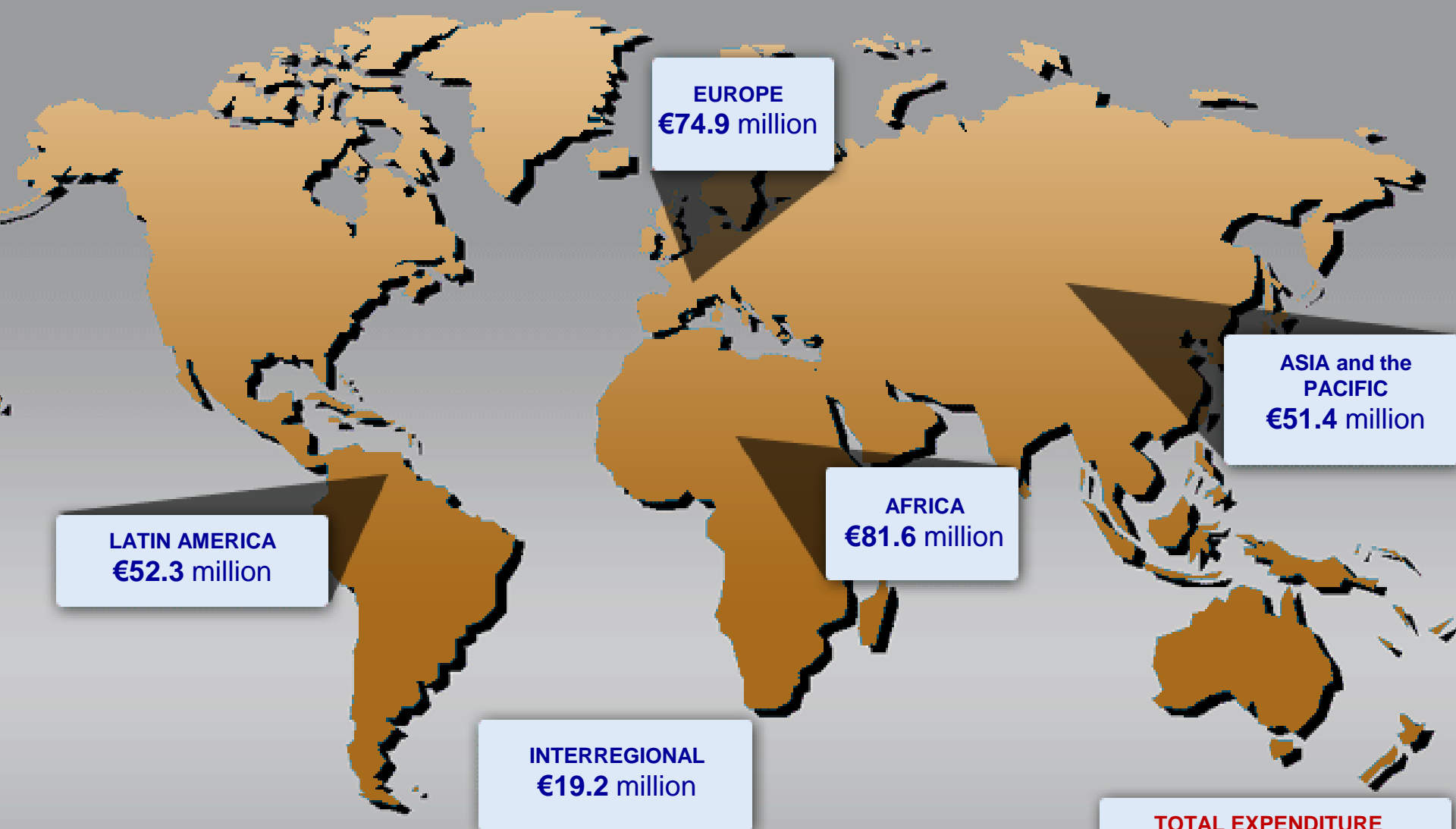


Source: IAEA 2014

# What global investment could achieve



# IAEA Expenditure on Cancer-related Projects (1983-2014)



\* These figures do not include IAEA's corresponding overhead costs.

# Programme of Action for Cancer Therapy (PACT)

## Prevention

### Early detection

- ⇒ X-Rays
- ⇒ Mammography
- ⇒ CT Scan

### Diagnosis & treatment

- ⇒ Nuclear medicine
- ⇒ Radiation diagnostics
- ⇒ Radiotherapy

### Palliative Care

- ⇒ Palliative radiotherapy

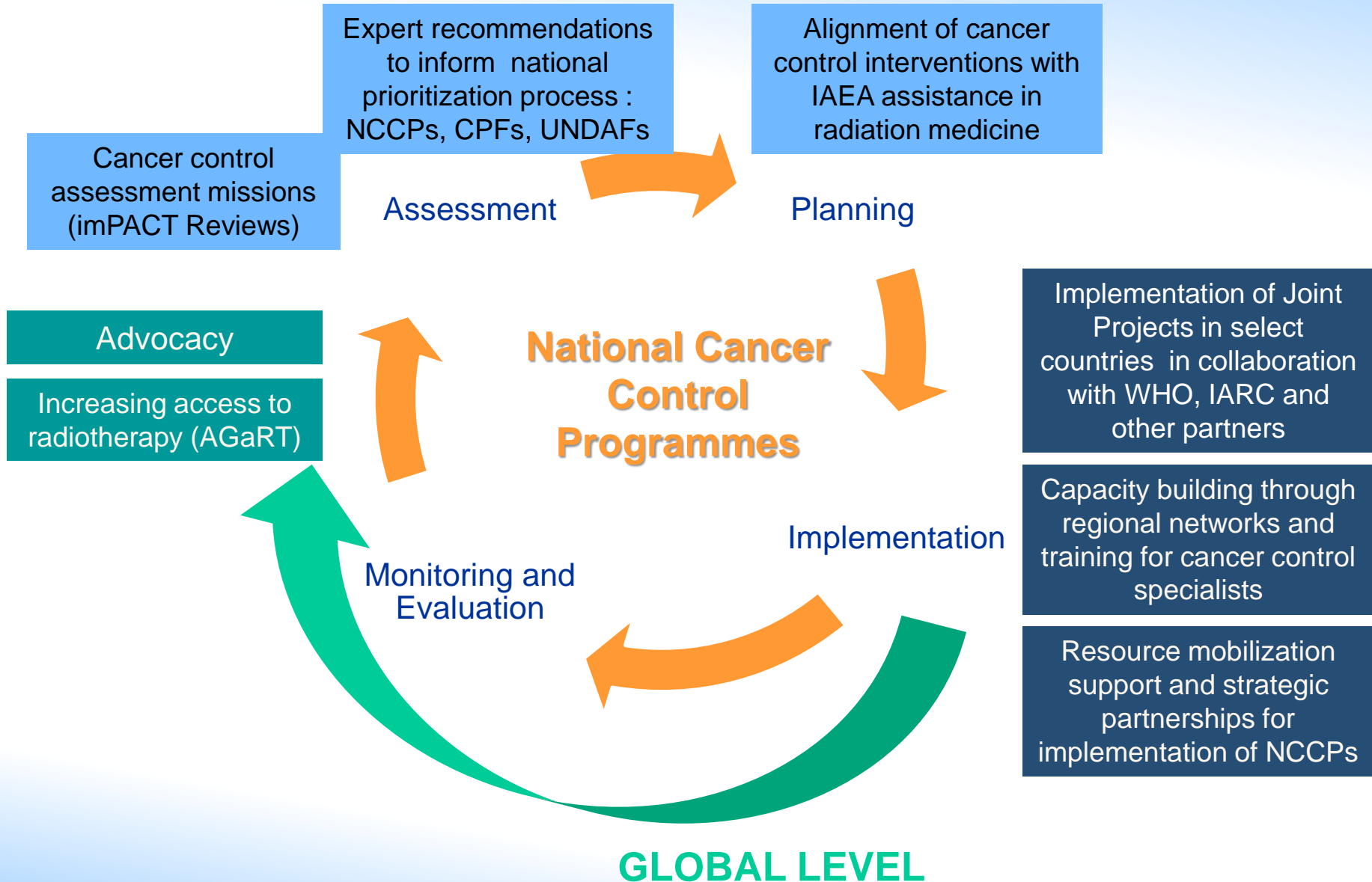
**IAEA**  
Radiation  
medicine for  
cancer  
management  
+  
Radiation  
safety

**IAEA + PARTNERS**  
**- PACT -**  
comprehensive  
cancer control approach



Programme of  
Action for  
Cancer  
Therapy  
**PACT**

# Applying PACT's services



# PACT's role in supporting Technical Cooperation radiation medicine projects

- Integration of **findings and recommendations** from Cancer Control Assessments into:
  - upcoming national TC planning processes (CPN, CPF) and UNDAFs;
  - Provide comprehensive cancer control framework to radiation medicine TC Projects
- Development of **strategic partnerships** for the implementation at country and/or regional level of cancer related TC projects.
- Supporting Member States in **training and knowledge transfer** to enhance the availability of health workforce and relevant skills.
- Spearheading **resource mobilization efforts** to address funding gaps in cancer-related TC projects including the development of bankable project proposals



[cancer.iaea.org](https://cancer.iaea.org)

**#CancerCare4All**

