

PACT

A Partnership for Self-sustaining Cancer Cure and Care Capacity Building in Low-Resource Countries

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*3rd International Cancer Control Congress
- 8-11 November 2009, Cernobbio, Como, Italy -*



IAEA

Programme of
Action for
Cancer
Therapy

PACT

IAEA & Cancer: “Atoms for Peace, Health and Prosperity”

- ➔ IAEA: International Atomic Energy Agency; global focal point for **nuclear cooperation**
- ➔ Nuclear “watchdog” but also **technical cooperation** to fight poverty, sickness, pollution and other MDGs
- ➔ Decades building **radiotherapy capacity** (for cancer treatment) in developing countries



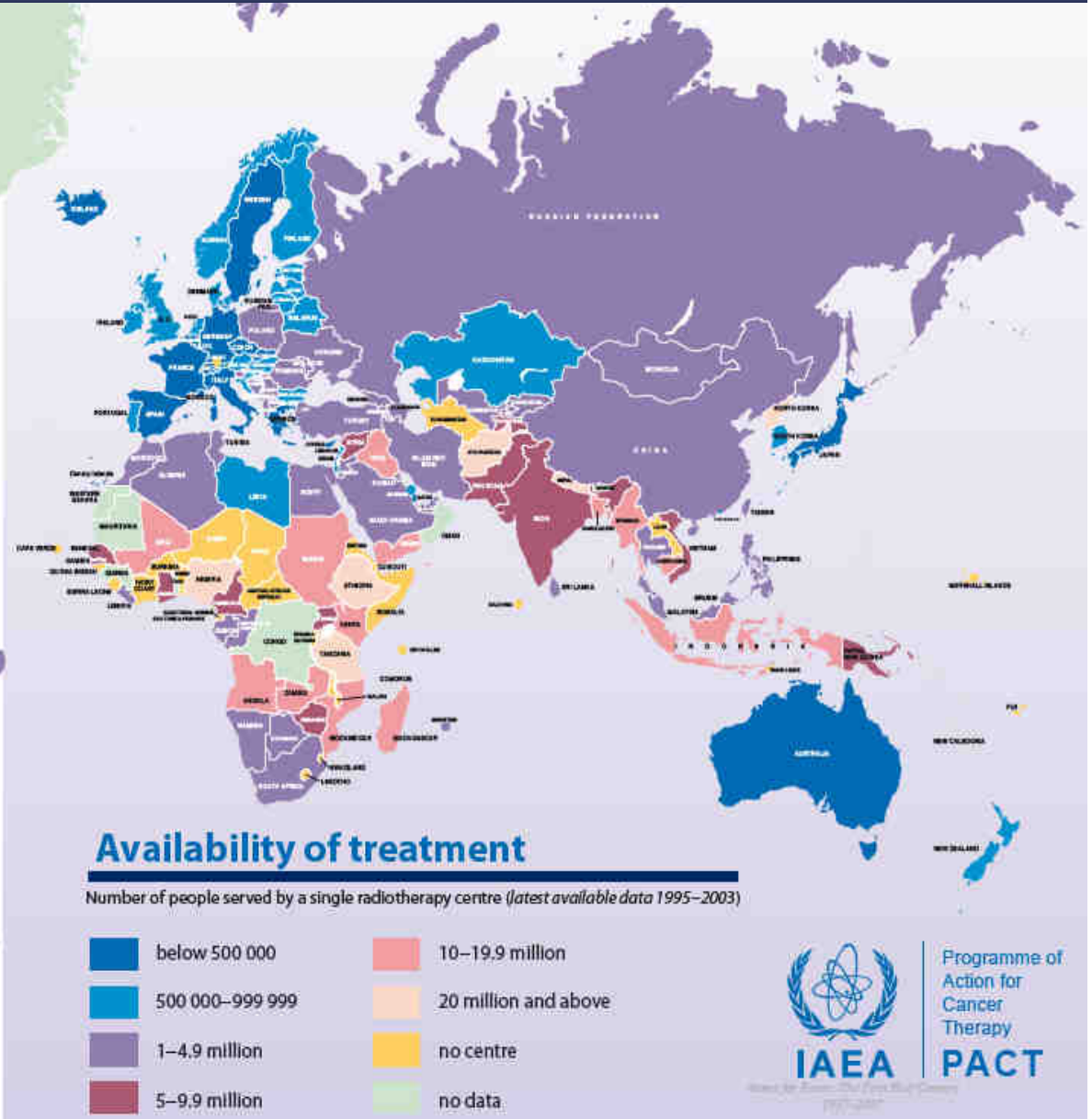
IAEA building, Vienna (photo D. Calma)

IAEA & Cancer: Access to Radiotherapy in the World



IAEA has initiated PACT to comprehensively address this urgent problem

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PACT Mission

Improve cancer survival in low-resource countries by integrating radiotherapy investments into public health systems

- ❖ Jointly working with WHO, PACT as a major programme within UN system will meet its goals by:
 - Building public-private partnerships,
 - Considering NCDs and cancer on the MDGs level
 - Mobilizing resources from nontraditional sources
 - Ensuring the effective and sustainable transfer of radiation medicine to low-resource countries.
 - Working with **low-resource countries** to implement NCCPs
 - Accelerating IAEA's assistance to build infrastructure and capacity in radiotherapy



*Uganda Cancer Institute
(photo J.P. Cayol)*

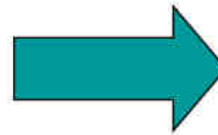
PACT:

Why focusing on developing countries?

Study of National Bureau of Economic Research (Bloom D et al. 2001)



1 additional life year
life expectancy



4 % increase
In GDP
per Capita

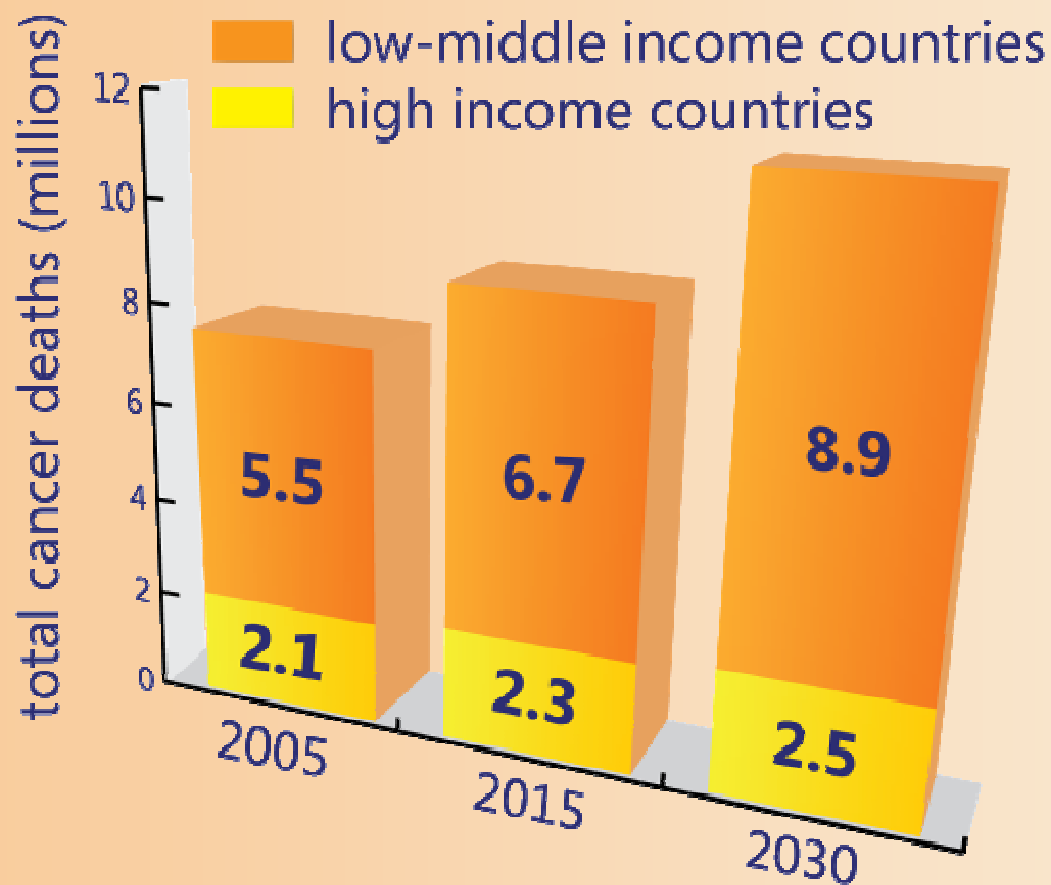
By Thomas D. Szucs, University of Zurich

Cancer Affects Us All



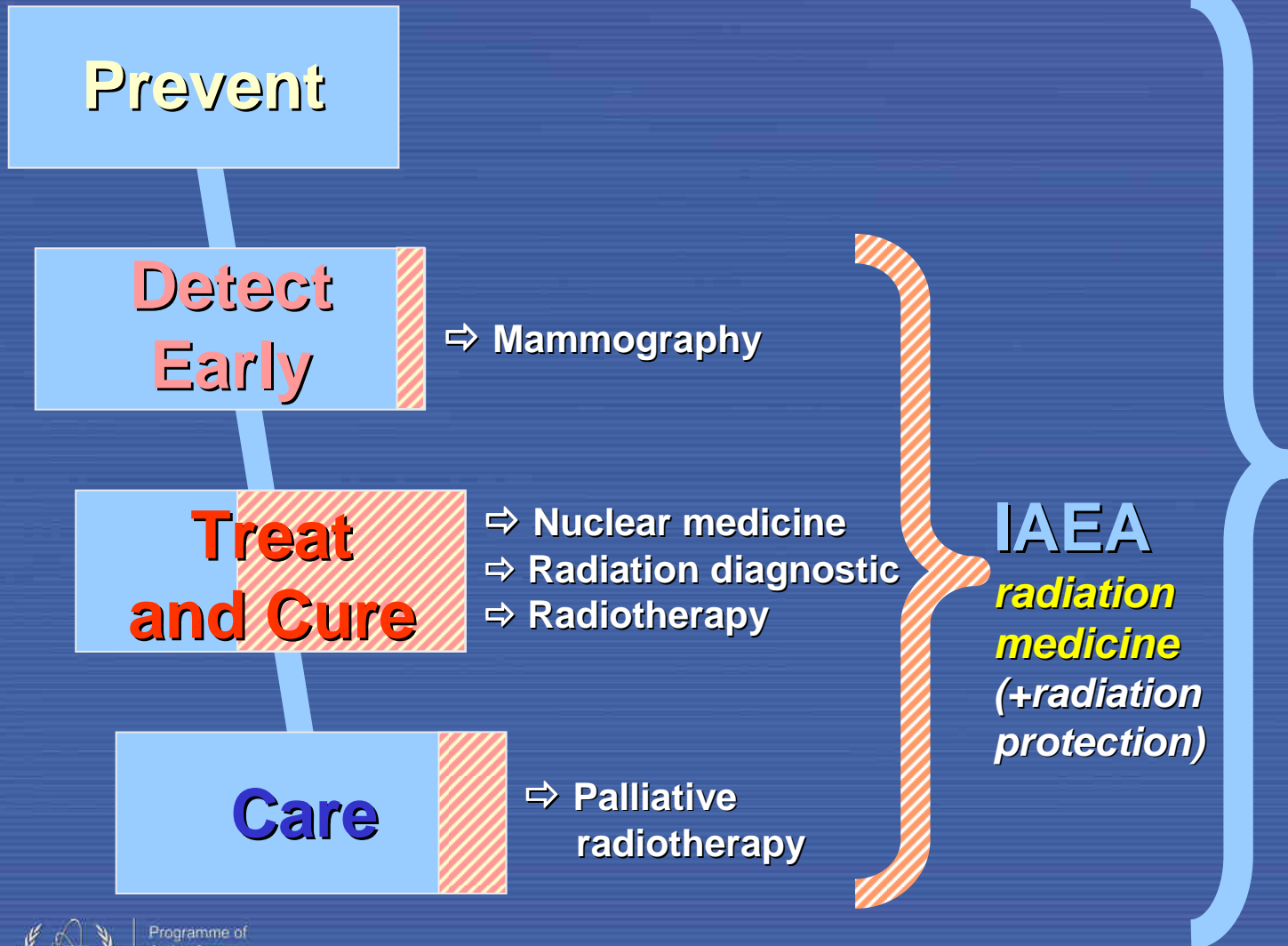
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Cancer killed 7.9 million people in 2007, and 72% of these deaths occurred in low and middle income countries. We are working to bring cancer care and control to developing countries, where the burden is heaviest. Thank you for joining us.



* Chart courtesy of WHO

PACT: Innovative and Comprehensive



PACT
(IAEA, WHO, partners)
comprehensive cancer control



**WHO/IAEA
Joint Programme
on
Cancer Control**

PACT:

Maintaining a **global perspective**

⇒ **WHY?**

To place cancer on the global health agenda

⇒ **With WHOM?**

WHO, UN bodies, international NGOs, cancer institutes

⇒ **HOW?**

▶ Representation in high level international meetings, conferences, ECOSOC

▶ Sponsorship of international events

▶ PR (*PACT newsletter, website, Pink October, World Cancer Day*)

⇒ **Funding?**

IAEA, World Bank, OPEC Fund,



(photo NASA)



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PACT:

Fostering regional initiatives

- ➔ **WHY?**
To raise cancer awareness and build regional capacity
- ➔ **With WHOM?**
WHO regional offices, international/regional NGOs, mentor centers
- ➔ **HOW?**
 - ▶ Organizing regional WHO/IAEA meetings and workshops
 - ▶ Setting up regional cancer training networks and a **virtual university**
 - ▶ Promoting regional mentoring
- ➔ **Funding?**
Regional development banks, multi/bilateral, private sector



(photo ESA)

PACT: Building upon **national priorities**

➔ **WHY?**

To support development of national cancer control programmes, integrating radiotherapy

➔ **With WHOM?**

Ministry of health; WHO country offices; cancer centres; regulatory authorities; university hospitals; donor representatives; and NGOs



Mulago Hospital Complex, Uganda (photo J.P. Cayol)

➔ **HOW?**

- ▶ Situation Analysis (WHO Self-Assessment; imPACT; joint WHO/IAEA missions)
- ▶ PACT Model Demonstration Sites

➔ **Funding?**

Development banks, multi/bilateral, IAEA TC funds, national budget



IAEA

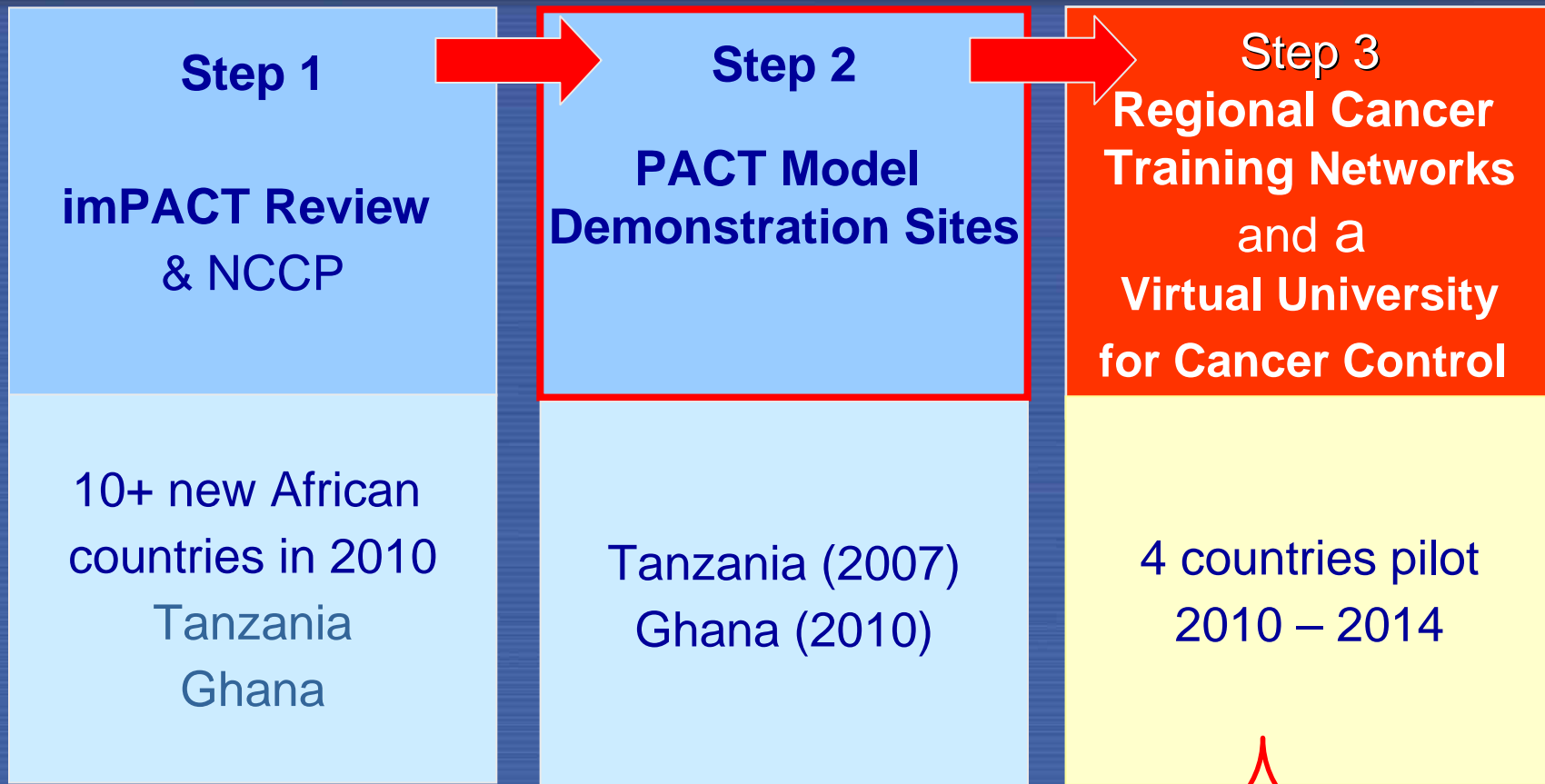
International
Agency for
Atomic Energy
Cancer
Therapy

PACT



Ministry of Health, Uganda (photo J.P. Cayol)

Strategic Steps: Context



Initial possible African mentors and Network links:
Algeria, Egypt, Ethiopia, Ghana, Morocco, South Africa, Senegal, Tunisia, Tanzania, Uganda



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imPACT Review: Advocating for a comprehensive approach

Integrated System for Comprehensive Cancer Control

IAEA/PACT Model to Maximize the Impact of Interventions including Radiotherapy through Balanced Investments across the System

Population based Cancer Control Programmes
(WHO Guidelines on Planning, Management and Evaluation)

Administrative, Financial and Technical Capacity to Manage the Programme

Cancer Knowledge Transfer and Technology Evaluations

Cancer Epidemiology and Surveillance System

Multidisciplinary Education, Cancer Training and Research
(Advocacy, Public Education, Policy, Legislation and Resource Mobilization)

Prevention
Controlling Cancer
Risk Factors

Early Detection
Early Diagnosis
and Screening

Diagnosis & Treatment
Follow-up
and Rehabilitation

*(Pathology, Radiology and
Nuclear Medicine, Radiotherapy,
Chemotherapy, Surgery, Other)*

Palliative Care
Symptom control & management
(Opiates and Radiotherapy)

Psychosocial and spiritual support

Bereavement support
for families and caregivers

PREVENT

DETECT EARLY

TREAT & CURE

CARE

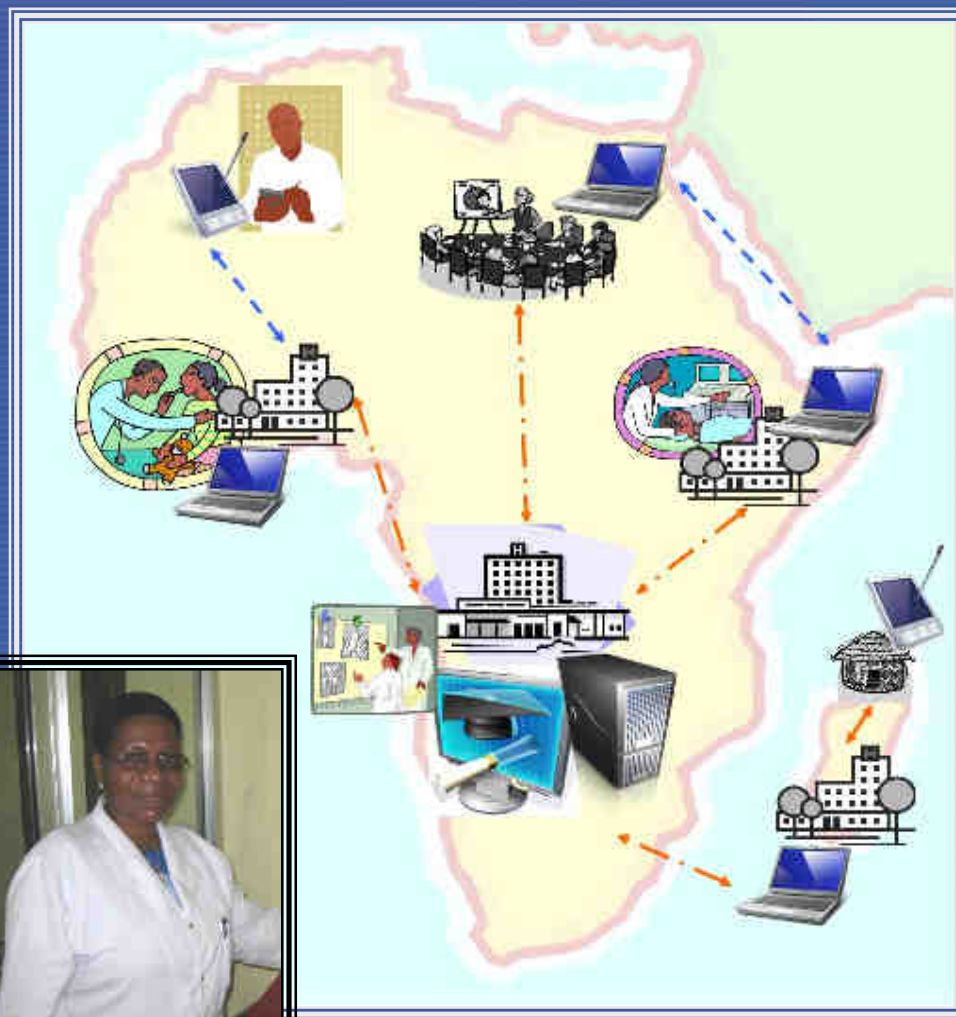
PACT Model Demonstration Sites (PMDS)

1. Establish a “**common table**” for **stakeholders** to meet around and coordinate planning and implementation
2. Showcase the **synergies** that **international partners** can achieve by **working together with national counterparts** to advance **comprehensive** cancer capacity building in **developing** countries
3. Drive forward **programme development** following NCCP/imPACT reviews
4. Enable **resource mobilization** – comprehensive approach, bottom-up proposals
5. **Demonstrate what works and what doesn't work for success** in concrete ways, and enable **replication** in other countries

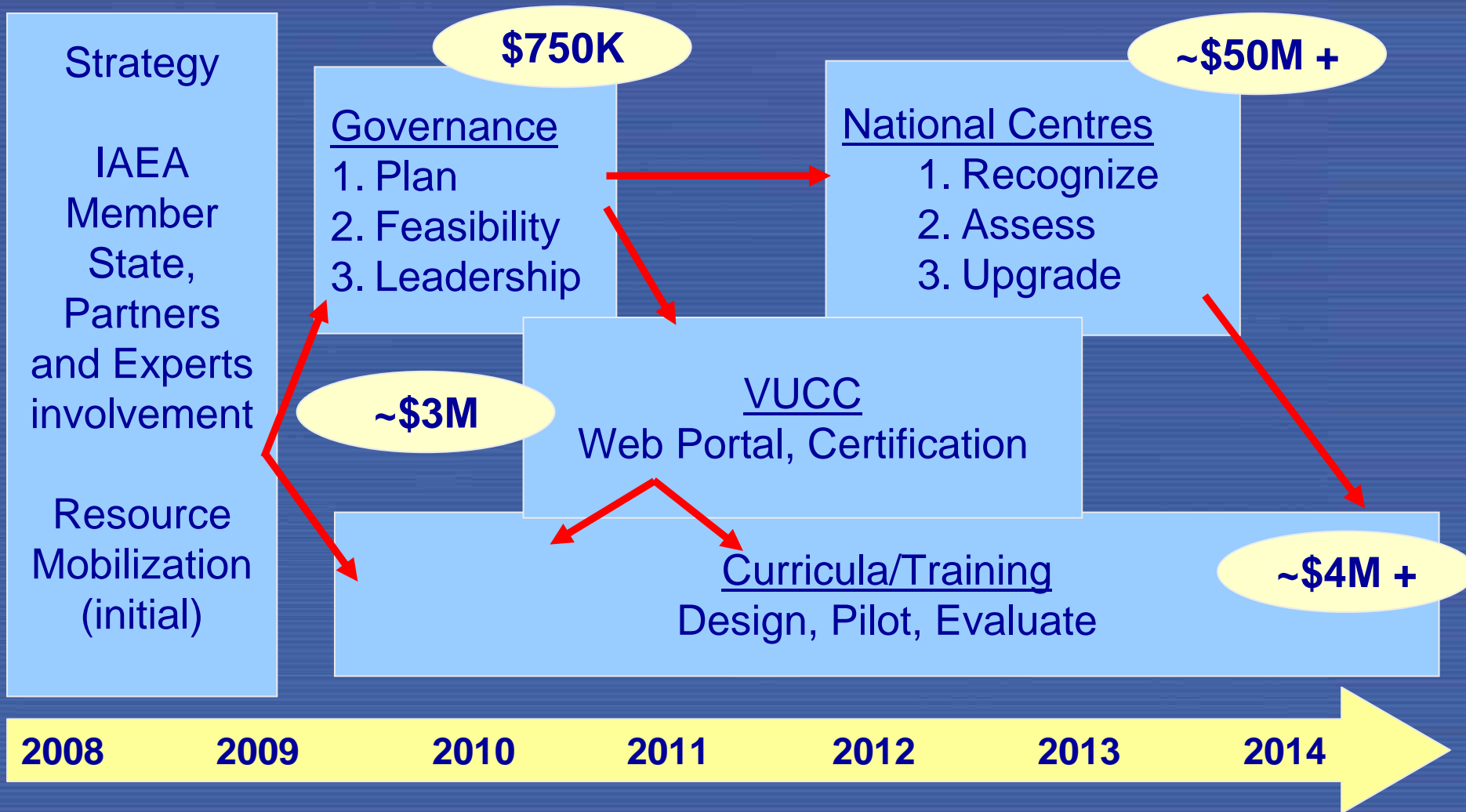
Virtual University for Cancer Control: Project Vision

Fostering
African knowledge
development and human
resource capacity in order to
improve comprehensive
cancer control

- ✓ Knowledge sharing
- ✓ Capacity building
- ✓ Low-cost, high-efficiency channels (Internet)
- ✓ Train the trainers
- ✓ Avoid brain drain



Virtual University for Cancer Control: Project Phases



PACT: 2006-2009 at a glance



- ➔ Over \$25M mobilized at country level
- ➔ Partnership agreements with 24 organisations
- ➔ WHO/IAEA Joint Programme on Cancer Control
- ➔ 7 PMDS established; 5 more planned
- ➔ Over 20 *imPACT* Reviews carried out; 41 planned
- ➔ Over 200 PACT-funded fellowships for cancer professionals
- ➔ Regional cancer training and a virtual university for Africa in cancer control under way with initial funds
- ➔ Global outreach through over a dozen high level seminars and support for ICCG, AORTIC, UICC

What has been said about PACT... (1/2)

→ *“The PACT programme was built on the principle of taking what we have learned, and applying it where we can.”*

October 2009

Ambassador Nancy Goodman Brinker,
Former US Ambassador and WHO Goodwill
Ambassador for Cancer Control
Founder of “Susan G. Komen Foundation for a Cure”



What has been said about PACT ... (2/2)



“The creation of the PACT initiative is to be applauded. It has served to bring together groups to work in a way that they weren’t working previously. PACT is calling on donors, great and small, to add their support to the fight against cancer. I urge you to join this effort. Together we can close the gap and end the cancer inequalities that spell pain and death for millions of people.”

*Her Excellency Ms. Hajiya Turai Yar'Adua, First Lady of Nigeria;
September 2009 after signing a collaboration agreement with PACT*

PACT 2009-2014 **Expected Results**

- Fully operational *WHO-IAEA Joint Programme*
- Comprehensive cancer needs assessment (*imPACT*) for more countries
- **Up to 12 new *PACT Model Demonstration Sites***
- Target **\$6M** mobilized for each country
- New health technologies suitable for LMI countries
- Africa Regional cancer training network plus a *Virtual University for Cancer Control*



*Children with cancer
Tanzania PMDS*

For more information:

Write to:

pact@iaea.org

Or visit:

<http://cancer.iaea.org>



CANCER KNOWS NO BORDERS

it affects men, women, and children;
rich or poor, young or old ...

Millions of lives can be saved if we work together

PACT: Programme of Action for Cancer Therapy

Visit us at: www.iaea.org/pact
pact@iaea.org

