Promoting an integrated approach

Prevent

Detect Early
⇨ **X-Rays**
⇨ **Mammography**
⇨ **CT Scan**

Diagnose and Treat
⇨ **Nuclear medicine**
⇨ **Radiation diagnostics**
⇨ **Radiotherapy**

Palliative Care
⇨ **Palliative radiotherapy**

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Radiation medicine for cancer management + Radiation safety

WHO/IAEA Joint Programme on Cancer Control

IAEA +partners - PACT -
Comprehensive cancer control

IAEA

Promoting education and training

- Training for medical practitioners in radiation medicine *(IAEA Technical Cooperation [TC] and Division of Human Health [NAHU])* and high level regional information meetings /workshops on cancer control *(IAEA TC, PACT, WHO, IARC, partners)*

- Support to development of national and regional education and training programmes and training material (for physicians, medical physicists and technicians for radiation medicine *(IAEA TC and NAHU)*

- Establishment of Human Health Campus as a repository of information and education material for health professionals in radiation medicine *(IAEA NAHU)*

- Training on cancer through partnership *(US-NCI, AMCC-INCTR...)*

>220 trainees and 305 training course participants /year
>50 trainees through partnership/year

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Workforce Supply Challenge

- **Limitation** in number of **dedicated practitioners available** as well as in **planning of future needs** (ca. 3,000 health professionals needed in Africa in next 10 years)

- **Limitation** in **developed countries capacity to host** foreign trainees (potential political, cultural and language issues, brain drain)

To be promoted:

- ✓ *Improve local capacity* in education and training of health workers across entire spectrum of cancer control
- ✓ *Use existing infrastructure* (university, hospital)
- ✓ *Rely on* existing *expertise in the region*
- ✓ *Use* of *e-learning technology*

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VUCCnet (Ghana, Tanzania, Uganda, Zambia, Egypt & South Africa)

- Fostering cancer control knowledge development, education and training capacity through virtual university and regional network

Expected outcomes:

✓ Increased number of trained and certified regional cancer control practitioners

✓ Wider availability of WHO and IAEA supported programmes in capacity building for cancer control

✓ Network of physicians and practitioners able to mentor and support each other through regional network

VUCCnet Africa pilot project launched in 2010

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VUCCnet stakeholders

Roche African Research Foundation	Ministries: Health, Education, Vocational
US State Department	Health Workforce Regulatory bodies
IAEA	Academic Institutions
IAEA WHO / AFRO IARC INCTR UICC	AFRA AORTIC AFROG AMREF ASCO	Vocational Institutions

Academic Institutions

Vocational Institutions

Professional associations

Hospitals (Training sites)

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System Components

Website	Administration System
E-Learning Platform	Curriculum Faculty
Theoretical & practical Assessment	Graduation Recognition Employment

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Content

CME/CPD
- Short training courses
- Communities of Practice
- Journal club/ case conferences
- Professional meetings

Informal Courses
- Learn at your own pace
- Certificate level
- Less pre-requisites
- Online delivery
- On-line Assessment only

Library
- Cancer Control materials
- Journal Access
- Links

Formal Courses
- Diploma, Degree, post-grad
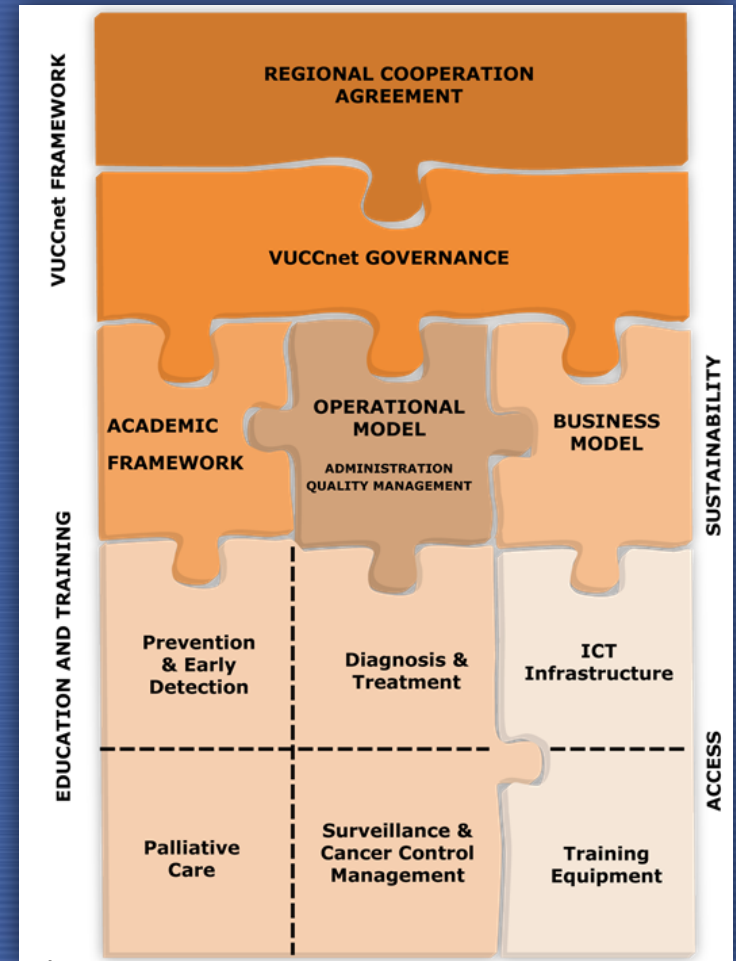- Pre-requisites
- Blended delivery
- Blended assessment

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VUCCnet 10 priority workforce areas

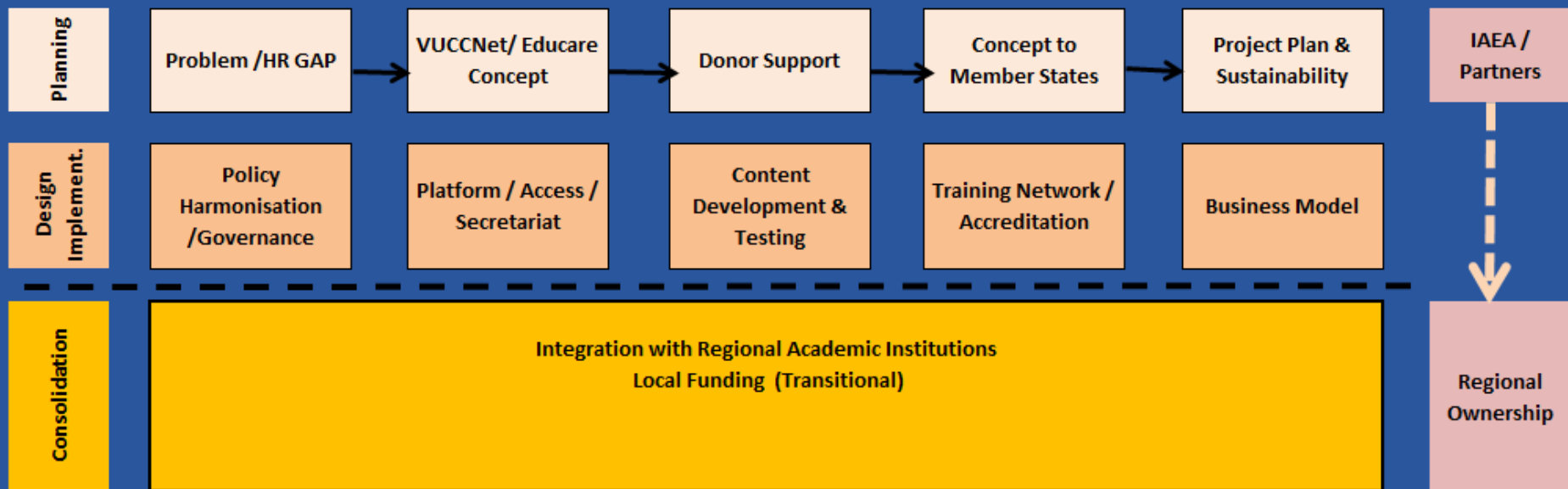|	IN-SERVICE	PRE-SERVICE
PREVENTION	**Community Health Workers (Cancer Skills Package)**	
EARLY DETECTION	**Screening Workers (Cervical Cancer: VIA)** ←	*(Proof of Concept)*
DIAGNOSIS & TREATMENT	**Pathology Technicians** **Surgeons (Surgical Oncology Modules)**	**Pathologists** **Radiation Therapy Technicians** **Clinical Oncologists** **Oncology Nurses**
PALLIATIVE CARE	**Palliative Care practitioners (Short Courses)**	
SURVEILLANCE	**Cancer Information Workforce**	

Project Components

1. Regional Cooperation

2. Policy Harmonisation Framework

3. VUCCnet Governance

4. Operating Model

5. Infrastructure

6. Curriculum design and development, delivery & testing

7. Regional Training Network (Clinical Practice)

8. Business Model

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Sustainability

Consortium Approach

- ✓ An agree <u>Governance Framework</u>

- ✓ An agreed <u>Curriculum Design, development & delivery framework</u>

- ✓ An Agreed <u>Administrative Framework</u>

- ✓ An Agreed <u>Collaboration Framework</u>

- ✓ An agreed <u>Quality Assurance Plan & implementation Strategy</u>

- ✓ An agreed <u>Action plan</u> (Consortium & Country level)

- ✓ An agreed <u>Access Plan</u> (IT infrastructure & administration support)

- ✓ An agreed <u>Financial Model</u>

- Commence early 2012

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VUCCnet Governance model

General Assembly (Country Members)
- *Elect Board Members*
- *Review / ammend Constitution*
- *Review Annual reports & financials*

VUCCnet Board
- *Oversee the financial; management / human resources and harmonise activities of VUCCnet*
- *Approve the Strategic Plan*
- *Oversee the Secretariat*

The *Hosting Institution*
- Host the central Registry
- Coordinate distance and eLearning infrastructure
- Coordinate the operating model across countries
- Coordinate Quality Assurance
- Provide Technical support on eLearning
- Develop Strategic Plan – implement
- Annual Reports
- Financial reporting

Member Country Teams

VUCCnet General Assembly

Consortia Countries

Strategic Partners

Medical education experts E-learning experts, Donors, IAEA , WHO, INCTR, IARC, etc.

VUCCnet Board

The *IAEA* facilitates the implementation of the VUCCnet project while taking *active roles in the development and management of the radiation medicine aspects of the programmes*.

The IAEA has a seat on the VUCCnet Board

Host Institution/ Secretariat

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Consortium Programme Model

VUCCnet CONSORTIUM PROGRAMME

- Policy & Curriculum Conceptualization
- Capacity Enhancement
- Curriculum Design
- Content Development
- Content Production
- Content Review
- Quality Assurance
- Accreditation
- Programme Delivery
- Community of Practice

CONTENT PRODUCTION

Online Format
DVDs
Print

Open Educational Resources (OERs)

- Online Delivery
- Face-to-Face

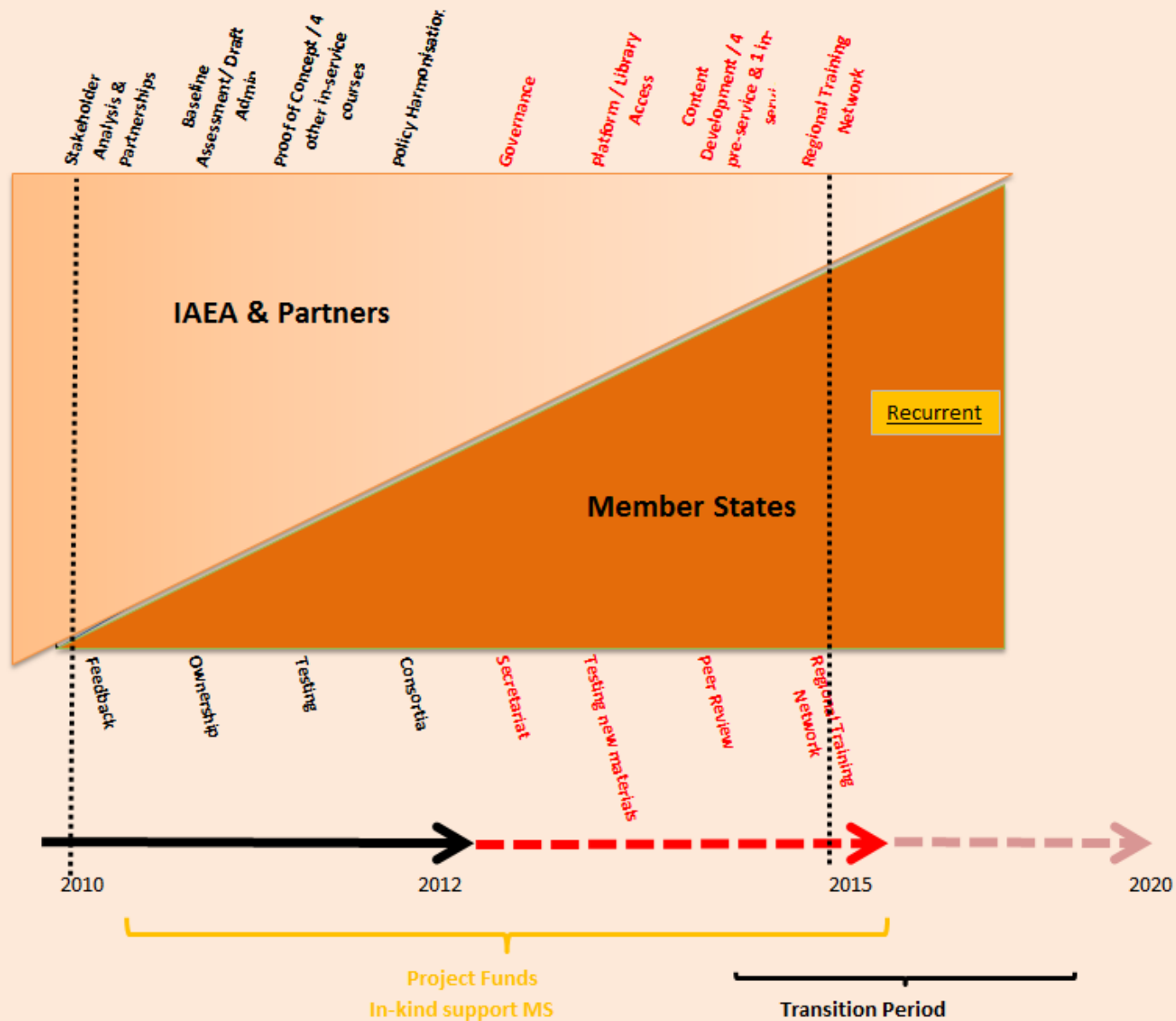Blended Mode delivery

PROGRAMME DELIVERY

- VUCCnet Consortium Programmes
- Participating Countries Programmes

Degrees › Diplomas › Certificates> CPD

SUPPORT TO DELIVERY

- eLearning Centres in countries
- Virtual Classrooms online – Secretariat of VUCCnet
- Participating Countries physical Classrooms

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Next Steps

For more information

Visit us:

http://cancer.iaea.org

Or write to:

pact@iaea.org

Thank you!

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