

IAEA Technical Cooperation Programmes

2012-2013:

an Overview

Jing ZHANG, IAEA

Chile

9-12 July 2013



IAEA

International Atomic Energy Agency

IAEA Mandate

*“....THE IAEA SHALL SEEK TO ACCELERATE AND ENLARGE THE CONTRIBUTION OF ATOMIC ENERGY TO **PEACE, HEALTH AND PROSPERITY** THROUGHOUT THE WORLD.”*

ARTICLE II OF THE STATUTE

IAEA Authority

*“TO MAKE PROVISION FOR MATERIALS, SERVICES, EQUIPMENT, AND FACILITIES TO MEET THE NEEDS OF RESEARCH ON, AND DEVELOPMENT AND PRACTICAL APPLICATION OF, **ATOMIC ENERGY FOR PEACEFUL PURPOSES**, INCLUDING THE PRODUCTION OF ELECTRIC POWER, WITH DUE CONSIDERATION FOR THE NEEDS OF DEVELOPING AREAS OF THE WORLD.”*

ARTICLE III OF THE STATUTE

IAEA Mission

Maximizing the **benefit** coming from the use of nuclear technology while minimizing **risks** in safety, security and proliferation



IAEA Pillars

1. Safeguards & Verification

further non-proliferation through verifying States' commitments regarding the peaceful use of nuclear energy

2. Safety & Security

protect people and the environment from harmful radiation exposure.

3. Science & Technology

foster nuclear applications in Member States.



Major Programmes by thematic areas

- Nuclear Power and Fuel Cycle
- Nuclear Applications
- Nuclear, Radiation and Waste Safety
- Nuclear Verification and Security of Material
- Technical Cooperation

Fields of Activity (FoAs)

Safety and security

- Industrial applications / radiation technology

Sustainable energy

- Nuclear knowledge development and management

Health and nutrition

Water and the environment

Food and agriculture

- Crop production
- Agricultural water and soil management
- Livestock production
- Insect pest control
- Food safety

- 30 streamlined Fields of Activity
- Reported under 7 groupings

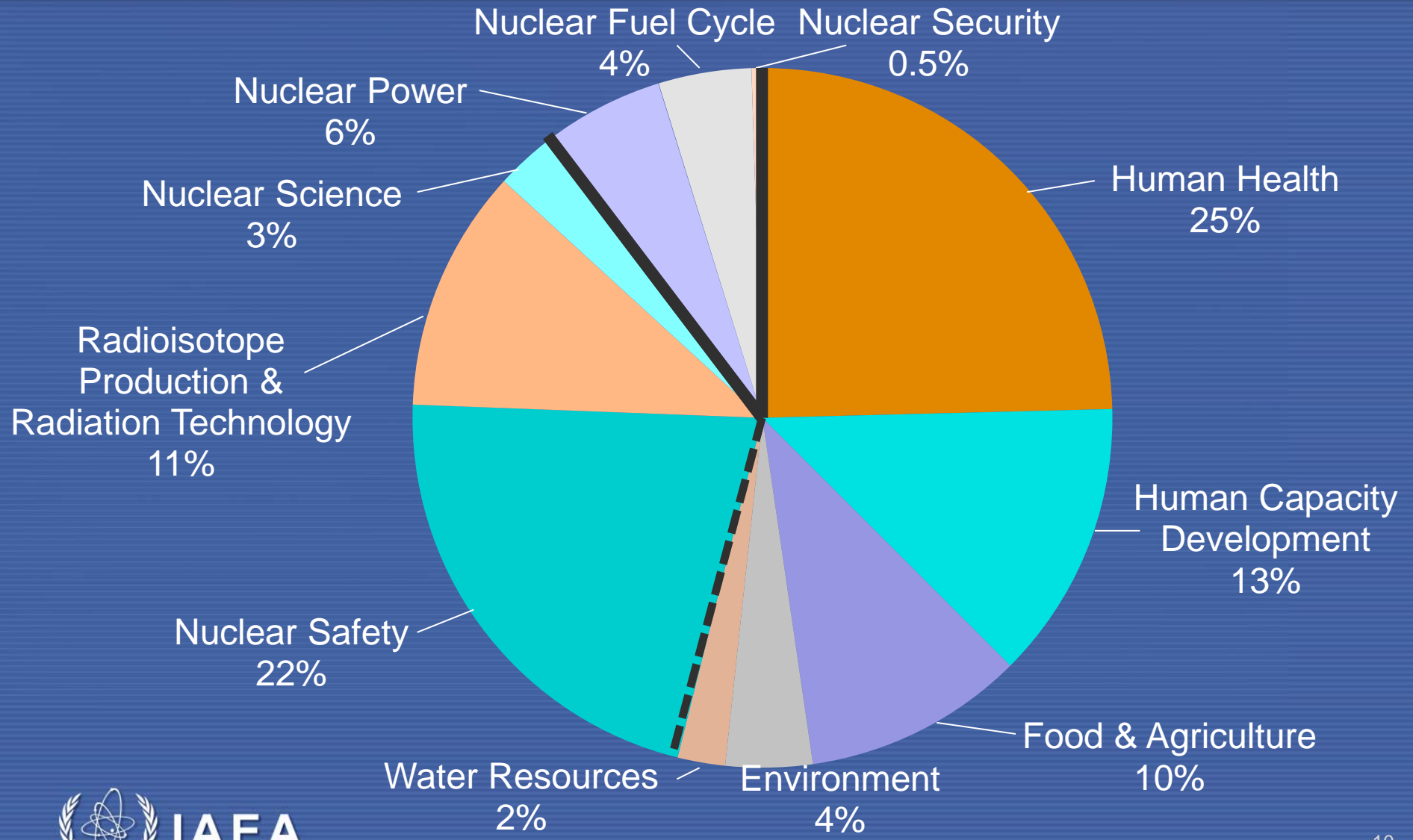
TC Programme - Quick Facts

- Recipients: all IAEA Member States are eligible for TC assistance
- **129** recipient countries: national, regional and interregional projects
- **80%** of recipients are non-nuclear power countries
- **31** Member States are Least Developed Countries (LDCs)
- TC Department: approx. **190** staff
- New obligations in 2011: **\$105.3** million (2012-2013 remain same amounts)

TC Programme Funding Sources

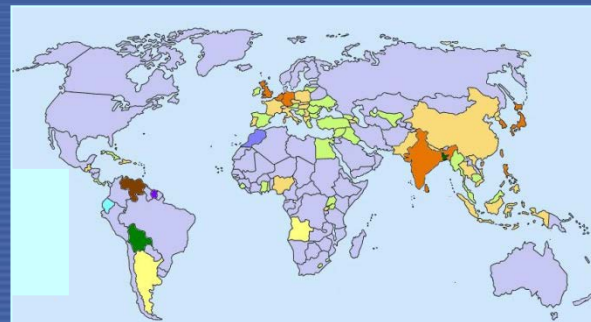
- **TCF (Technical Co-operation Fund)**
 - Voluntary contributions from all Member States
 - National Participation Costs (NPCs)
Funds are used for approved TC programme activities in all Member States
- **Extra-budgetary**
 - Donor funding from Member States, other international organizations, NGOs and the recipient government itself (Government Cost-Sharing). Funding often targeted according to donor specifications.
- **Others:**
 - **In-Kind:** Money does not pass through the Agency's accounts. Member States and international organizations provide assistance by paying directly for travel, training fees, equipment etc.
 - **UNDP:** Only available to UNDP-designed and approved projects, where the Agency is designated the 'executing agency'

Technical Cooperation Fund: Disbursements by Technical Field (2011)



TC projects addressing different needs of Member States

- National Projects
- Regional Projects
- Interregional Projects



Project Components

- **Expert services** (field missions, workshops, seminars, national consultants visits)
- **Manpower training** (fellowships, scientific visits, and group training)
- **Equipment, materials, software and IAEA publications** (only essential items)
- **Sub-contracts** (for special global services and supplies)

! IMPORTANT !

Member States must ensure adherence to:

- IAEA Basic Safety and Security Standards
- Non-Proliferation Treaty
- Safeguards Agreements
- Revised complementary Agreement on TC
- Country programme Framework

Title and Objective of project **INT/2/015**

- **Title:** Supporting Uranium Exploration, Resource Augmentation and Production Using Advanced Techniques
- **Objective:** To support Member States to enhance the capacity in uranium exploration, resource evaluation, mining and processing of uranium ores, and extraction of uranium from unconventional sources.

Budget for the project

CORE FINANCING

Human Resource (Euros)	Procurement (Euro)	Total (Euros)	
2012	338,060	0	338,060
2013	281,045	0	281,045

Total for two year: 619,105 Euros

Euro150,000 added to support planned events to be completed.

FOOTNOTE-a FINANCING

Human Resource (Euros)	Procurement/ _{sub-contracts} (Euro)	Total (Euros)	
2012	118,570	250,000	368,570
2013	100,000	250,000	350,000

Total for two year: 718,570 Euros

Participation Country

- ARG,BOL,BRA,CPR,CHD,CZR,ETH,INS,IRQ,JOR,MAU,MLI,MON,NEP,NER,NIR,PAR,RUS,SEN,SR,L,SUD,TAD,THA,TUN,URT,URU,VEN,ZAI,TUR,SYR,POL,UGA,CMR,PHI,YEM,SLR,PER,,, (37)

Objective of the workshop 9-12 July INT/2/015

- **Discuss, provide inputs** and **share** experiences in applying United Nations Framework Classification – 2009 (UNFC–2009) for evaluation of uranium and thorium resources, with special emphasis on comprehensive extraction where uranium and thorium are produced as by-products of other commodities.
- **Share** the current status in Member States, to focus on progress/achievements and constrains of the implementation of the project events.
- **Discuss** future activities/inputs.

Specific focus on

- **Reporting** of uranium and thorium resources using United Nations Framework Classification – 2009 (UNFC–2009);
- **Applications** of UNFC-2009 in reporting and managing unconventional uranium resources and comprehensive extraction;
- **Benefits** of UNFC-2009 in formulating integrated exploration strategy for undiscovered resources of uranium, hydrocarbons and coal in ‘energy basins’;
- UNFC–2009 as a medium for social licensing and stakeholder communications;
- Life-cycle management
- Impact

Outputs of the workshop

- **Sharing** of experiences and approaches for in-depth application of UNFC-2009 in effective management of uranium and thorium resources with special focus on comprehensive extraction.
- **Sharing** of the achievement of the project activities.
- **Inputs** to future activities.

Events completed and pending under INT2015

- 3 workshops took place:
103 participants + 14 IEXs
- 4 training courses completed:
181 participants + 14 IEXs
- 1 workshop is pending but may be cancelled due to budget constraints: workshop on social licensing and stakeholder communications in uranium mining, 11-15 Nov 2013 in Turkey (40 participants)

No	Title of the Event	Host Country	Date	Number of Participants	Number of Experts	C (completed) P (pending)
1	Interregional Planning and Coordination Meeting with focus on "Uranium exploration and production priorities outlook"	Finland	26-29 June 2012	31	5	C
2	Interregional IAEA-CYTED-UNECE Workshop on Recent Developments in Evaluation of Uranium and Thorium Resources	Portugal	15-18 October 2012	41	4	C
3	Interregional Training Course on Uranium Deposit Models and Exploration	China	12-16 November 2012	46	4	C
4	Interregional Training Course on Uranium Production from Phosphate Rocks	Jordan	10-14 December 2012-	41	4	C
5	Interregional Training Course on Performance Optimization in Uranium and Rare Earth Elements (REE) Production from Phosphate Rocks	Tunisia	11-15 February 2013	46	3	C
6	Interregional Training Course on Uranium Exploration Strategy, Mining and Processing Techniques	India	8-12 April 2013	48	3	C
7	Interregional IAEA-CYTED-UNECE Workshop on UNFC 2009 Applications in Uranium and Thorium Resources	Chile	9-12 July 2013	31	5	C
8	Workshop on Social Licensing and Stakeholder Communications in Uranium Mining	Turkey	11-15 November 2013	40	3	P



Thank You !



IAEA