“...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
“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)

- Human Health: 25%
- Human Capacity Development: 13%
- Food & Agriculture: 10%
- Nuclear Fuel Cycle: 4%
- Nuclear Safety: 22%
- Nuclear Power: 6%
- Nuclear Science: 3%
- Environment: 4%
- Water Resources: 2%
- Radioisotope Production & Radiation Technology: 11%
- Nuclear Security: 0.5%
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)
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

<table>
<thead>
<tr>
<th>Year</th>
<th>Human Resource (Euros)</th>
<th>Procurement (Euro)</th>
<th>Total (Euros)</th>
</tr>
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<tbody>
<tr>
<td>2012</td>
<td>338,060</td>
<td>0</td>
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<tr>
<td>2013</td>
<td>281,045</td>
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<td>281,045</td>
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</table>

Total for two year: **619,105 Euros**

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

### FOOTNOTE-a FINANCING

<table>
<thead>
<tr>
<th>Year</th>
<th>Human Resource (Euros)</th>
<th>Procurement/sub-contracts (Euro)</th>
<th>Total (Euros)</th>
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<tr>
<td>2012</td>
<td>118,570</td>
<td>250,000</td>
<td>368,570</td>
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<td>2013</td>
<td>100,000</td>
<td>250,000</td>
<td>350,000</td>
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</tbody>
</table>

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, SUD, TAD, THA, TUN, URT, URU, VEN, ZAI, TUR, SYR, POL, UGA, CMR, PHI, YEM, SLR, PER,
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)
<table>
<thead>
<tr>
<th>No</th>
<th>Title of the Event</th>
<th>Host Country</th>
<th>Date</th>
<th>Number of Participants</th>
<th>Number of Experts</th>
<th>C (completed)</th>
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<tbody>
<tr>
<td>1</td>
<td>Interregional Planning and Coordination Meeting with focus on &quot;Uranium exploration and production priorities outlook&quot;</td>
<td>Finland</td>
<td>26-29 June 2012</td>
<td>31</td>
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<td>2</td>
<td>Interregional IAEA-CYTED-UNECE Workshop on Recent Developments in Evaluation of Uranium and Thorium Resources</td>
<td>Portugal</td>
<td>15-18 October 2012</td>
<td>41</td>
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<td>3</td>
<td>Interregional Training Course on Uranium Deposit Models and Exploration</td>
<td>China</td>
<td>12-16 November 2012</td>
<td>46</td>
<td>4</td>
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<td>4</td>
<td>Interregional Training Course on Uranium Production from Phosphate Rocks</td>
<td>Jordan</td>
<td>10-14 December 2012</td>
<td>41</td>
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<td>5</td>
<td>Interregional Training Course on Performance Optimization in Uranium and Rare Earth Elements (REE) Production from Phosphate Rocks</td>
<td>Tunisia</td>
<td>11-15 February 2013</td>
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<td>6</td>
<td>Interregional Training Course on Uranium Exploration Strategy, Mining and Processing Techniques</td>
<td>India</td>
<td>8-12 April 2013</td>
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<td>7</td>
<td>Interregional IAEA-CYTED-UNECE Workshop on UNFC 2009 Applications in Uranium and Thorium Resources</td>
<td>Chile</td>
<td>9-12 July 2013</td>
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<tr>
<td>8</td>
<td>Workshop on Social Licensing and Stakeholder Communications in Uranium Mining</td>
<td>Turkey</td>
<td>11-15 November 2013</td>
<td>40</td>
<td>3</td>
<td>P</td>
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</table>
Thank You!