Enhancing nuclear safety and regulatory infrastructure: IAEA technical cooperation activities in supporting of its Member States' nuclear power programmes

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International Atomic Energy Agency

Outline of Presentation

- The IAEA TC Programme (TCP)
- Safety & Regulatory activities in IAEA TCP
- Funding & Partnerships
- Experience & Future Outlook

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IAEA TC Programme: What it is…

IAEA technical cooperation seeks to forge human and institutional capacity in Member States to safely utilize nuclear knowledge and technologies to address national development priorities and global issues

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IAEA TC Programme: What it does…

- Training (courses, workshops, fellowships, seminars, visits, conferences etc.)

- Expert advice and assistance

- Equipment & material

- Cooperation among Member States & Partners

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IAEA Role in safety & security

- Primary responsibility for safety and security rests with Member States
- Statutory Agency function: Establishing and continuously improving standards and guidance, and providing for their application
- One of the IAEA Medium Term Strategy 2012-2017 objective: Improving nuclear safety and security

"The Agency has a key role to play in ensuring that the expansion in nuclear power takes place in an efficient, responsible and sustainable manner…"
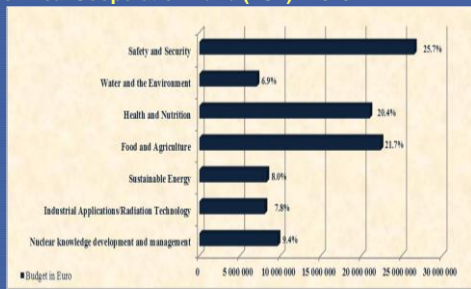Yukiya Amano, Director General

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Safety & security in IAEA TCP

Technical Cooperation Fund (TCF) - 2013

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Member States needs

MS Operating nuclear power:
- Operational safety
- Life extension
- Expansion of nuclear power programmes
- International obligations

MSs embarking on nuclear power ("New Comers"):
- Decision making at all stages
- Appropriate infrastructure: special attention for regulatory infrastructure
- International obligations

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Key TC Programme Activities

- Updating nuclear law and regulations
- Establishing / strengthening regulatory infrastructure
- Support to review services in Member States (e.g. IRRS, OSART, EPREV) and implementation of recommendations
- Networks and partnerships for improving NPP / RR performance and safety

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Assistance to New Comers

- Dissemination of / training on IAEA guidance and international best practices
  - Considerations of all issues in a integrated manner – including safety, security, safeguards, and liability (integrated workplans)
  - Establishing and maintaining an effective regulatory system
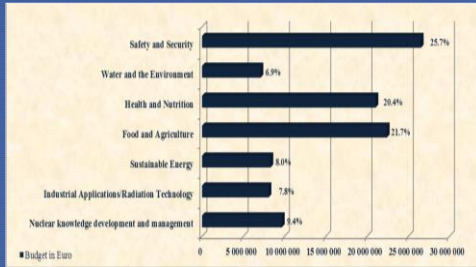- INIR (Integrated Nuclear Infrastructure Review)

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Funding of the Programme

Core funding (TCF)

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Funding of the Programme

Extra-budgetary (Donors)

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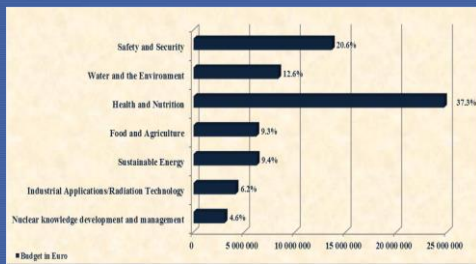
Partnerships

- Vital for achieving programme objectives
  - Financial
  - Technical

- Key international partnerships
  - USA (e.g. US-NRC, US-DoS, US-DoE)
  - European Commission
  - Peaceful Use Initiative (PUI)

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Experience & Future Outlook

- Widespread implementation of IAEA guidance with respect to nuclear legislation, safety and regulatory infrastructure requirements (Operating & New Comers)
- Proactive approach by the Agency is vital (two way cooperation)
- Partnerships and global cooperation is vital
- A continuing effort: continuous improvements in a changing environment

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Technical cooperation: delivering results for peace and development

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