

# TC Project INT/4/141 - Status and Prospects of Development for and Applications of Innovative Reactor Concepts for Developing Countries

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**IAEA**

International Atomic Energy Agency

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# Presentation summary – INT/4/141

- The **International Atomic Energy Agency**
- **Objective** and **Target Countries** of the **project**
- The project **workplan** 2007- 2008
- **Future** of the **project**
- The **project team**

# IAEA at a Glance

- Founded in **1957**
- **145** member states
- **2300** professional and support staff
- Headquarters in Vienna
- 2 scientific laboratories and research centres
- **Budget in 2009**
  - Regular Budget: **€291 m**
  - Technical Coop. Programme: **US\$ 85 m**
  - Extra-budgetary Contributions (estimate): **US\$ 49 m**



# The IAEA and its Mission

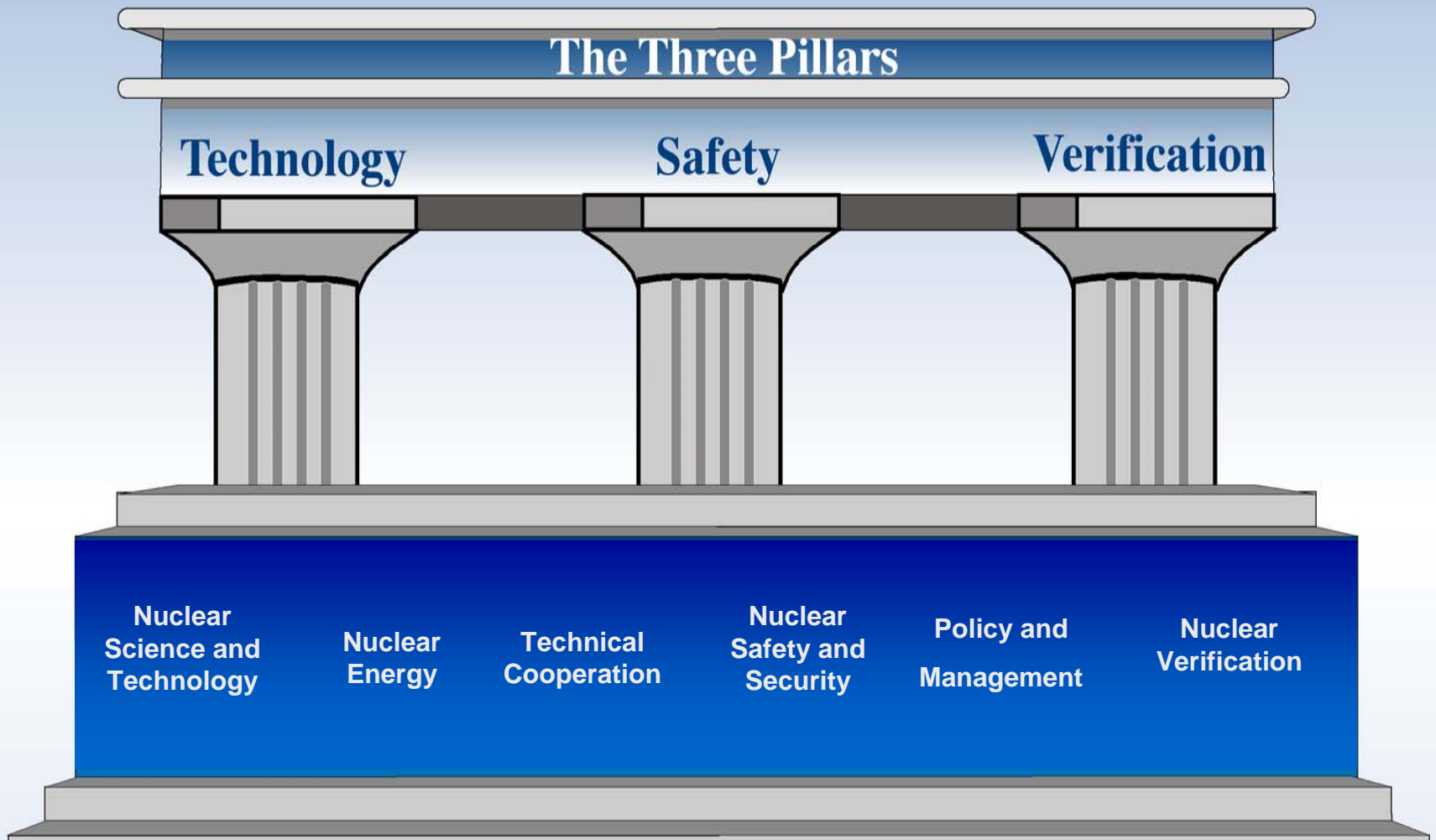
IAEA is the **UN's scientific forum for cooperation** in the nuclear field.



Maximizing the contribution of nuclear technology to the world, while verifying its peaceful use

# The Three pillars

RELATIONSHIP BETWEEN MANDATE (GOALS, PILLARS)  
STRUCTURE OF THE SECRETARIAT, PROGRAMME AND BUDGET



# IAEA Mission and Activities: Three Pillars

## 1. Safeguards & Verification

The IAEA performs an indispensable role in furthering non-proliferation through verifying States' commitments regarding the peaceful use of nuclear energy

## 2. Safety & Security

The IAEA works to protect people and the environment from harmful radiation exposure.

## 3. Science & Technology

The IAEA works to foster nuclear applications in Member States.



IAEA

# International Atomic Energy Agency

Nobel Peace Prize - 2005



[www.iaea.org](http://www.iaea.org)



# INT/4/141: Project Objective

- To provide a **forum for exchange of information** among developing MSs\* actively involved in **future nuclear power planning** or operations;
- To share experiences on reactor operation, maintenance, and similar issues affecting the **future design of reactors**
- To enable MSs to **participate** in selected activities of the International Project on Innovative Nuclear Reactors and Fuel Cycles (INPRO)

# INT/4/141: Target countries

## Target countries:

Developing Member States introducing new nuclear power programmes or expanding the existing ones.

## Participating countries:

technology holders willing to share their experience and knowledge (cost free participants)

## Special considerations:

- need for energy and particularly for electricity
- the need for strategic independence (need of electricity)
- difficulties with respect to accessibility of fossil fuels
- the need for potable water (desalination)
- low hydropower resources
- active NP development/utilization programmes.

# Project activities 2007- 2008

Event	Title	Date	Place
WS	Steps for conducting <b>technology assessment</b> of water cooled reactors (1)	22-25 Oct 2007	VIE
WS	<b>Common User Criteria</b> for Development and Deployment of Nuclear Power Plants for Developing Countries (1)	27-30 Nov 2007	VIE
WS	Best Practices for <b>Heavy Water Reactor</b> Operation	15-18 Sep 2008	CAN
WS	<b>Common User Criteria</b> for Development and Deployment of Nuclear Power Plants for Developing Countries (2)	22-26 Sep 2008	VIE
WS	3rd EURO COURSE IN R&D for <b>High Temperature</b> Reactor Technologies	18-21 Nov 2008	FRA

# Future: INT/4/142 (2009 – 2011)

## Promoting Technology Development and Application of Future Nuclear Energy Systems in Developing Countries

### Objectives:

- To **build up the technical capability** of developing countries interested in developing and deploying, or expanding nuclear power programs, in an effort to enhance their **ability to develop** requirements and **make decisions** related to the technical and technological aspects of nuclear power programs.  
(cont.)

# Future: INT/4/142 (2009 – 2011)

## Objectives:

- To provide a **forum for the exchange of information** and expertise among developing Member States actively involved in nuclear power planning or operations
- To share their specific experiences on reactor operation, maintenance, and similar issues affecting the **future design of reactors and fuel cycles.**

**Budget: 980.000 \$**

- 2009 – 330.000 \$
- 2010 - 320.000 \$
- 2011 – 330.000 \$

It's **your** project,  
we need you ideas!

# How to participate

## Interregional workshops:

- Invitation with a deadline for nomination
- Send **nomination form**, signed by TCNLO\*  
<http://www-tc.iaea.org/tcweb/default.asp>
- Inform us whether **cost free participant**
- Then you'll be contacted by IAEA PMA\*\*

## Additional activities

- Be proactive, propose activities
- Inform us about interesting initiatives in your country (to Sama Bilbao)

The image shows a form titled 'NOMINATION FOR MEETING/WORKSHOP and NATIONAL CONSULTANT'. It is a structured document with various fields for personal and professional information, including name, address, telephone, fax, e-mail, and a section for 'Description of work'. There are also checkboxes for 'Health insurance', 'Travel costs', and 'Workshop/Meeting'. The form is in Spanish and includes a footer with contact information for the IAEA.



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# INT/4/141 Project Team

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We look forward to your **feedback**  
on this workshop and your  
**suggestions** for future activities....

*Thank you!*