Session 2

International Cooperation in the Field of Nuclear Education

Round Table on

International Cooperation in the Field of Human Resource Development for Nuclear Industry: the Aspects of Professional Training and University Education

INTERNATIONAL FORUM

«ATOMEXPO 2012»

4 June, 2012

Internationalization of Nuclear Sector

Introductory Statement to Board of Governors
by IAEA Director General Yukiya Amano
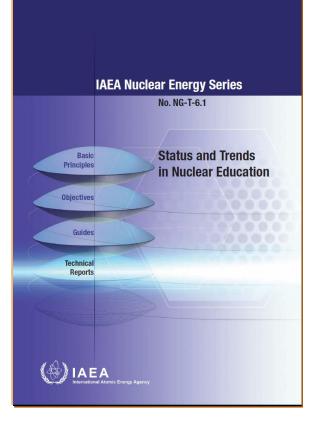**1 March 2010** Vienna, Austria

2010

We have already re-focussed our activities to help meet the needs of newcomers to nuclear power. I firmly believe that access to nuclear power should not be limited to developed countries. It should also be available to interested developing countries to help them lift their people out of poverty. Naturally, it is the sovereign right of every Member State to decide whether or not to introduce nuclear power. The Agency will provide as much assistance as possible to countries which take this option. My goal is that Member States embarking on the path towards introducing nuclear power should start to see tangible progress in the years to come as a result of the Agency´s efforts.

http://www.iaea.org/newscenter/statements/2010/amsp2010n001.html

IAEA View-Point on Cooperation in the Field of Nuclear Education

IAEA Nuclear Energy Series

No. NG-T-6.1

Basic Principles

Status and Trends in Nuclear Education

Objectives

Guides

Technical Reports

IAEA
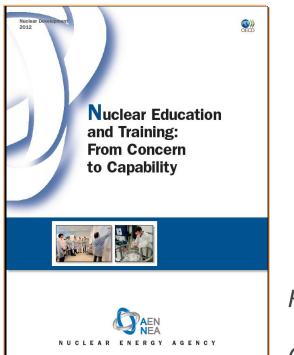International Atomic Energy Agency

2011

International cooperation is recognized as an effective mechanism to present and discuss the role of nuclear higher education in the development of human resources for building a national infrastructure for nuclear power
and non-power applications

Internationalization of Nuclear Education: Issues&Recommendations

Nuclear Education and Training: From Concern to Capability

AEN NEA

NUCLEAR ENERGY AGENCY

2012

Issues:

➢ student and human resource mobility,
➢ accreditation,
➢ quality control,
➢ greater understanding of different typology of nuclear job profiles,
➢ **the need for a globally agreed set of nuclear competencies**.

Recommendation:

Governments should strongly encourage and support the international initiatives and programmes, which foster consistent quality of the education and training being delivered in different countries and overall contribute to enhancing human resource development capacities.

Establishment of an international campus in Obninsk based on Obninsk branch of NRNU MEPhI and CICE&T

START: *2010*

2011

2012

2016

Advance training of foreign specialists on the programmes of Russian nuclear education

Expanding the pool of countries-recipients of Russian nuclear education

Formation of the interuniversity cooperation programme

Implementation of a system of Russian nuclear education export in 25 countries

prs.

Egypt	42	
Vietnam	30	
Jordan	8	
Mongolia	5	

Total :   85

prs.

Vietnam	110	
Turkey	50	
Kazakhstan	40	
Bangladesh	11	
Jordan	10	
Mongolia	8	

Total: up to 260

Forecast: *up to 490*

- Promoting Consortium of Rosatom's reference universities in international education market.
- Opening of International Nuclear Education Center in Tomsk.
- Nuclear power engineering training in the Obninsk International Center for *1100 foreign specialists* simultaneous*.*

Programmes of international cooperation in education and knowledge transfer:

- ENEN-RU project «Cooperation infrastructure development in the field of nuclear education" (Rosatom-Euratom agreement)

- Educational programmes of IAEA, WNU
- Working group on formation EurAsEC Cooperation Council
- Cooperation programmes with foreign universities (Turkey, Vietnam)

РОСATOM

Objectives

➢ to formulate recommendations based on existing experience in international cooperation in the field of university education on nuclear specialties,

➢ to identify priority areas for cooperation in support of nuclear power development in newcoming nuclear countries;

➢ to get acquainted with international best practices of cooperation between universities, vendor- and recipient countries of the nuclear-power technologies;

➢ to exchange information about events, activities and trends in nuclear education development.

*I wish success to our round table discussion
on International Cooperation in the Field of Nuclear Education.*