



**IAEA**

International Atomic Energy Agency

*Atoms for Peace*

**DIVISION OF RADIATION TRANSPORT AND WASTE SAFETY**



**EduTA  
EDUCATION AND TRAINING APPRAISAL MISSION**

**IN  
BELARUS**

**30 May to 3 June 2011**

## COMPOSITION OF THE IAEA APPRAISAL TEAM

1. Andrea Luciani, Team Coordinator, IAEA
2. Dimitriou Panaiotis, Senior Expert, Team Leader, Greece
3. Miguel Prendes Alonso, Senior Expert, Cuba

## PERSONS MET DURING THE APPRAISAL MISSION

Name	Function
<b>International Sakharov Environmental University</b>	
Krasovsky Vladimir	Vice rector
Rodzkin Aleh	Pro-rector on academic work
Pazdnyak Syarhei	Pro-rector on research
Matveenکو Ivan	Dean, Faculty of re-training and professional updating
Timoshchenko Andrey	Head, Department of nuclear and radiation safety PGEC director
Melnov Syarhei	Head, Department of radiation and molecular genetics
Tushin Nikolai	Assistant professor, Department of nuclear and radiation safety
Mironov Vladislav	Assistant professor, Department of nuclear and radiation safety
<b>Ministry of education, Department on higher and special secondary education</b>	
Miksyuk Yuri	Head of the department
Maruda Mikalai	Leading specialist
<b>Ministry of Emergency, Department of nuclear and radiation safety (“Gosatomnadzor”)</b>	
Astashko Grigori	Deputy head
Bogushevich Svetlana	Principal specialist
<b>Ministry of Health, National Centre of Hygiene, Epidemiology and Public Health</b>	
Butkevich Viktor	Head, department of radiation safety
<b>Ministry of Health, National Academy of Post-Graduate Education (BelMAPO)</b>	
Ternov Vladimir	Professor, Department of hygiene and environmental health
<b>Ministry of Health, National Oncology Center</b>	
Tarutin Ihar	Professor, principal researcher
Maskalenka Mikalai	Head, Radiation protection division
<b>Joint Institute of Nuclear and Energy Research</b>	
Kuvshinov Viacheslav	Director Dr. Sci., Professor
Trifonov Alexander	Head, Laboratory of modeling of processes in power engineering, Dr. Sci., Professor

## **BACKGROUND**

In January 2011 the Permanent Mission of Belarus to the International Organizations in Vienna requested to receive an EduTA, with the final purpose to assess the “*International Sakharov Environmental University*” (ISEU) to act as an IAEA regional educational centre ... in radiation protection”.

An EduTA mission was organized from 30 May to 3 June with two external experts and an IAEA Technical Officer.

The principal Agency publications used as a basis for the appraisal were:

- The Education and Training Appraisal in Radiation Protection and the Safety of Radiation Sources (EduTA) (Working Material July 2008);
- The International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources (SS No. 115);
- The Safety Guide, Building Competence in Radiation Protection and the Safe Use of Radioactive Sources (RS-G-1.4);
- Safety Report, Training in Radiation Protection and the Safe Use of Radioactive Sources (SRS-20);
- Standard Syllabus Postgraduate Educational Course in Radiation Protection and then Safety of Radiation Sources (Training Course Series 18);
- Draft Syllabus for the Training of Radiation Protection Officers.
- Steering Committee on Education and Training in Radiation Protection and Waste Safety – Procedures for Recognition of a Training Centre (Working Material).

## **TERMS OF REFERENCE OF THE APPRAISAL**

The terms of reference for this appraisal were:

- To carry out an education and training appraisal mission to review the status of the provision for education and training in radiation protection, including:
  - legislative and regulatory framework with particular reference to education and training;
  - guidance material relevant to education and training;
  - the national training programme in radiation safety or similar document;
  - approved /accredited training course providers /centers and /accredited training courses, if approval/accreditation procedures/systems exist;
  - annual reports from accredited training course providers/centers; recognition/approval/accreditation procedures for education and training providers;
  - courses held in the past calendar year and the numbers of participants attending;
  - list of education and training events planned;
  - the facilities used for educational and training programmes;
  - available human resource and national lecturers.
- To outline an Action Plan, together with the counterparts, to address improvements, if any, identified during the assessment.

## **CONDUCT OF THE APPRAISAL**

The Head of the ISEU Department of Nuclear and Radiation Safety, Prof Timoshchenko welcome the EduTA team, in the presence of the representatives of the Regulatory Authorities (Ministry of Emergency, Department of Nuclear and Radiation Safety - “Gosatomnadzor” and Ministry of Health, National Centre of Hygiene, Epidemiology and Public Health). Prof Timoshchenko presented ISEU and its education and training activities in the field of radiation safety. A presentation about the regulatory framework, particularly, in relation to education and training was provided by Mr. Butkevich (Ministry of Health, National Centre of Hygiene, Epidemiology and Public Health). The EduTA also paid a courtesy call to the vice rector of ISEU, Prof Krasovsky.

The EduTA team generally briefed the hosts about the mission. The objectives were presented and the procedure for the conduct of the mission with its agenda was agreed.

The pre-appraisal information provided to the team was discussed in detail and additional information was requested where necessary. During the mission, numerous documents were provided to the team.

During the five day mission, the EduTA team continued discussions with the host and visited facilities/laboratories. The EduTA team visited the ISEU facilities, particularly in relation to the conduction of the PGEC, such as nuclear spectrometric laboratory, internal dosimetry laboratory, radiochemistry laboratory, molecular laboratory and the conference classroom. Visits to the laboratories and facilities of National Cancer Centre, Joint Institute of Nuclear and Power Research “Sosny” (National Academy of Sciences) were organized. The EduTA team also visited the Ministry of Education where Mr Miksyuk (Department on higher and special secondary education) provided a presentation and an explicative note on the education and training system in radiation protection in Belarus. During the meetings at ISEU, presentations and explicative notes were provided also by Dr Astashko (Gosatomnadzor) on regulatory framework for education and training and on the classification of the personnel responsible for radiation protection, and by Prof Ternov (BelMAPO) on the Belarusian Medical Academy of Postgraduate Education.

An exit meeting was held at ISEU to present the Appraisal Team’s preliminary conclusions. The recommendations and action plan were agreed with the local counterpart.

A full technical report with the findings, recommendatins and a work plan was provided to the mission’s counterpart and the national authorities.