



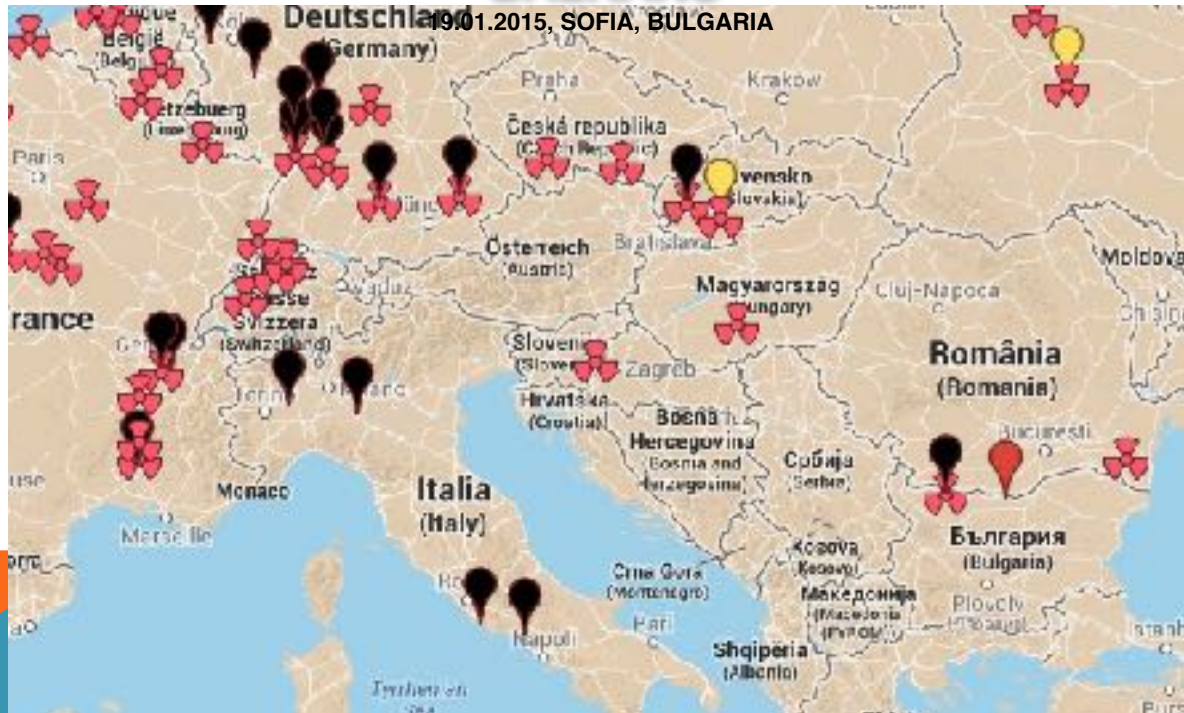
EP&R SITUATION ON BALKANS

REGIONAL ROUND TABLES



Albena Simeonova
Foundation for environment and
agriculture
BULGARIA

ROUND TABLE NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS





ROUND TABLE NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS



19.01.2015, SOFIA, BULGARIA

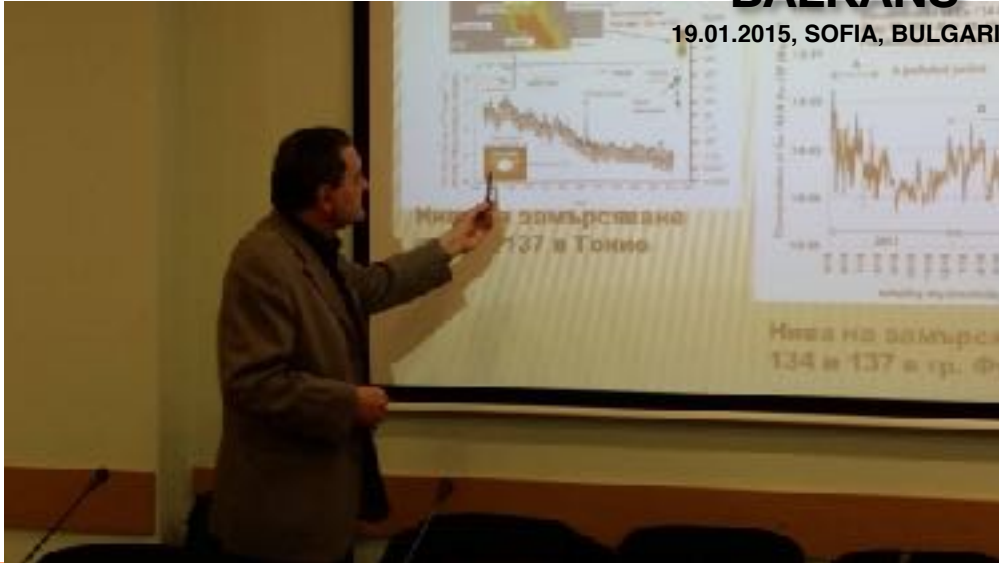




ROUND TABLE NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS



19.01.2015, SOFIA, BULGARIA



D-r Georgi Kashchiev
Institute for risk analysis,
BANK University, Vienna,
Austria

Lessons learned from
Chernobyl and Fukushima



ROUND TABLE NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS



BULGARIA

**Christo Stoev
Ministry
of Environment and waters,
Bulgaria**

**Aarhus convention & Nuclear
sector**



ROUND TABLE NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS

19.01.2015, SOFIA, B

**Liudmila Simeonova
Ministry of Interior, Bulgaria**

**Fire security and citizen defense
General Directorate**

**Reaction in case of nuclear and
radiation incidents**





ROUND TABLE

NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS

19.01.2015, SOFIA, BULGARIA



D-R Marina Nizamska
Bulgarian Nuclear Regulatory
Agency

**The role of the regulator in
case of nuclear accident**





ROUND TABLE NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS



Albena Simeonova
**Foundation for environment
and agriculture**

**Presentation of
Nuclear Transparency
Watch**





ROUND TABLE NUCLEAR EMERGENCY PREPAREDNESS AND RESPONSE ON BALKANS



19.01.2015, SOFIA, BULGARIA

Participants from Balkan countries:

D-r Ana Ugrinska – DOM, Macedonia

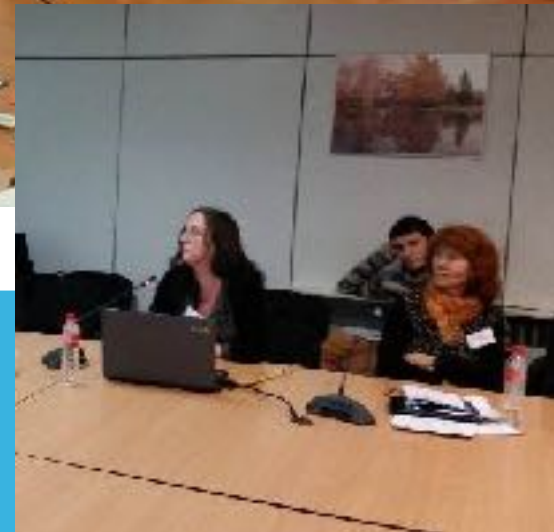
Remus Cemea – Parliament of Romania

Prof. Adi-Maria Simonu – University of Craiova, Romania

Prof. Simona Cretu – University of Craiova, Romania

Lucian Strib – Terra Mileniul III, Romania

Predrag Momchilovic – Serbian, Green Youth, Serbia





PUBLIC DISCUSSION Construction of a new nuclear reactor in Kozloduy

Craiova, Romania, 31.01.2015





ROUND TABLE
"MANAGEMENT OF RADIOACTIVE WASTE"

16.02.2016, NPP Kozloduy



Preparation for round table

Meeting with DILYAN PETROV
CEO
State Enterprise
"Radioactive Waste"



ROUND TABLE "MANAGEMENT OF RADIOACTIVE WASTE FROM NUCLEAR POWER PLANTS WHY, WHO, HOW "



16.02.2016, NPP Kozloduy





ROUND TABLE "MANAGEMENT OF RADIOACTIVE WASTE FROM NUCLEAR POWER PLANTS WHY, WHO, HOW "

16.02.2016, NPP Kozloduy





ROUND TABLE "MANAGEMENT OF RADIOACTIVE WASTE FROM NUCLEAR POWER PLANTS WHY, WHO, HOW "

16.02.2016, NPP Kozloduy





CURRENT SITUATION



ACT ON THE SAFE USE OF NUCLEAR ENERGY

Promulgated, State Gazette No. 63/28.06.2002

Amended, SG No. 120/29.12.2002; 70/10 .08.2004; 76 /20.09.2005;.88/4 .11.2005; 105/29.12.2005;
30/11.04.2006; 11/02.02.2007; 109/20.12.2007; 36/4.04.2008; 67/29.07.2008; 42/5.06.2009;
74/15.09.2009; 80/12.10.2010; 87/5.11.2010; 88/911.2010; 97/10.12.2010; 26/29.03.2011; 38/18.05.2012;
82/26.10.2012; 15/15.02.2013; 66/ 26.07.2013; **68/2.08.2013**



CURRENT SITUATION



Regulation on the Procedure for Issuing Licenses and Permits for the Safe Use of Nuclear Energy

Promulgated, State Gazette No. 41/18.05.2004

Amended, SG No. 78/30.09.2005; 93/24.11.2009; 76/05.10.2012; **4/15.01.2016;**

The regulation defines all matters related to the procedures for issuing, changing, renewing, canceling, revoking and controlling the licenses and permits demanded by the Safe Use of Nuclear Energy Act. The structure of the regulation takes into consideration the specifics of the types of nuclear facilities, activities and sites with sources of ionizing radiation. The scope and contents of the required documents is specified taking into account the necessary measures for providing the nuclear safety, radiation and physical protection. For activities with certain types of ionizing radiation sources, based on the lower risk for the population and the environment, alleviations of the required documents is provided.



CURRENT SITUATION

Regulation on ensuring the safety of nuclear power plants

The regulation settles the matters related to the basic criteria and rules for the safety of nuclear power plants based on the concept of in-depth defense.

Subject to regulation are the organizational measures and technical requirements for providing of the safety during site selection, design, construction, commissioning and operation of nuclear power plants. The regulation contains detailed instructions related to the determination of the design basis and safety evaluations, the characteristics of the site and the safety requirements for the nuclear power plant and its systems.

The regulation is developed based on the IAEA safety standards and the reference levels for harmonization of the safety requirements for nuclear power plans, defined by the West European Nuclear Regulators' Association (WENRA).



CURRENT SITUATION

REGULATION ON ENSURING THE SAFETY OF RESEARCH NUCLEAR INSTALLATIONS

Adopted with CM Decree No 231 of 2 September 2004,
Published in State Gazette, Issue 80 of 14 September 2004

The regulation specifies basic criteria and rules for the safety of research nuclear installations. Subject to regulation are the organizational measures and technical requirements for providing of the safety during site selection, design, construction, commissioning and operation of research nuclear installations. The regulation contains detailed instructions related to the design basis and safety evaluations, the characteristics of the site and the safety requirements for the research nuclear installations.



CURRENT SITUATION

Regulation on the terms and procedure for obtaining of vocational qualification and on the procedure for issuing of licenses for specialised training and of individual licenses for use of nuclear power

The regulation defines the conditions and procedure for acquiring professional qualification for execution of activities in nuclear facilities, and facilities with sources of ionizing radiation, the positions for which qualification is required, the procedure for issuing licenses for specialized training and certificates for qualification, as well as the conditions and procedure for carrying out exams for acquiring qualification.



CURRENT SITUATION

REGULATION ON BASIC NORMS OF RADIATION PROTECTION

The regulation reflects the requirements of the 96/29/EURATOM Directive, setting the basic standards for protecting the health of personnel and population from the damaging influence of ionizing radiation. The basic principles of radiation protection are developed, and the dose limits for personnel and population are set. In accordance with the provisions of the Directive, the concept for releasing from control of radioactive substances due to permitted activities, and the concept for limitation of irradiation are introduced. The Regulation sets requirements for monitoring of the working quarters, and the individual irradiation, as well as for the registration of the results of this monitoring. The requirements of Directive 90/641/EURATOM for operational protection of outside workers from the damaging influence of ionizing radiation during their activities in the controlled areas are introduced. In relation to the engagements of the Bulgarian side in the negotiations with the European Union, the Regulation introduces the basic principles and requirements for radiation protection from medical irradiation, taking into consideration Directive 84/466/EURATOM for health protection from the damaging influence of ionizing radiation from medical irradiation.



CURRENT SITUATION

Regulation for the provision of physical protection of nuclear facilities, nuclear material and radioactive substances

In the Regulation, according to the Safe use of nuclear energy Act and the convention for physical protection of nuclear material, the matters related to physical protection of nuclear facilities, and during use, storage and transportation of nuclear materials and radioactive substances are defined.

The provisions of the Regulation take into consideration the specifics of the different kinds of nuclear facilities, nuclear materials and radioactive substances, which demand different levels of physical protection, depending on the category of nuclear materials and radioactive substances and the degree of risk.



CURRENT SITUATION

Regulation on the conditions and procedure of transport of radioactive material

Regulation for safety of spent fuel management

The regulation defines in detail the matters related to the basic criteria and rules for providing nuclear safety and radiation protection in the management of spent nuclear fuel according to the provisions of the Safe use of nuclear energy act, as well as the specific organizational measures and technical requirements for providing the safety during site selection, design, construction, commissioning and operation of facilities for spent nuclear fuel management.

Matters related to the technical safety, fire and physical protection, emergency planning and emergency preparedness of the spent nuclear fuel management facilities are defined in the draft of the regulation, to the extent that follows from the in-depth defense concept.



CURRENT SITUATION

REGULATION ON SAFETY DURING DECOMMISSIONING OF NUCLEAR FACILITIES

Adopted by Ordinance of the Council of Ministers No. 204 from 05.08.2004, promulgated in the State Gazette No. 73 from 20.08.2004

The regulation provides that the safe decommissioning of nuclear facilities to be implemented through preliminary and interim planning, determination of a concept and developing of a plan for decommissioning, while for each stage of the planning, the safety of the decommissioning activities must be validated. The Regulation defines the basic safety requirements during decommissioning for the maintenance of the safety related systems and equipment, for the deactivation and dismantling of the equipment, for the radiation protection and for the radioactive waste management. It is foreseen that with the completion of each stage of the decommissioning of the nuclear facility, the holder of the permit should develop and present to the regulator an actualized report on the safety evaluation of the completed stage.



CURRENT SITUATION

REGULATION FOR SAFE MANAGEMENT OF RADIOACTIVE WASTE

Approved by a Council of Ministers Decree No185 of 23 August 2013

Promulgated in SG. No 76 of 30 August 2013

The Regulation defines the requirements, regulations and rules for safety during site selection, design, construction, commissioning and operation of facilities for radioactive waste management.

The regulation also defines the obligations of the entities carrying out radioactive waste management activities. The entities which generate radioactive waste as a result of their activities are responsible for its safe management from the moment of generation of the radioactive waste to the moment it is transferred to the State enterprise “Radioactive waste” or until it is released from regulatory control.



THANK YOU FOR THE ATTENTION!



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