



IAEA

International Atomic Energy Agency

Atoms for Peace

Scientific Forum 2014

Radioactive Waste: Meeting the Challenge Science and Technology for Safe and Sustainable Solutions

23-24 September 2014
IAEA Headquarters, Vienna, Austria
Board Room D, C-Building, 4th Floor

Moderator: Ms Melinda Crane

Tuesday, 23 September 2014

10:00-12:15

Getting started

Session 1 will briefly describe the peaceful use of nuclear technologies, the radioactive waste that is generated and the organization of such wastes according to different classes. It will emphasize that managing such waste requires an integrated approach from generation to disposal, as well as appropriate funding. Safety, security and safeguards aspects must be considered during this journey.

Opening Statement by Mr Yukiya Amano, IAEA Director General

IAEA film: Radioactive Waste: The Journey to Disposal

Mr Djarot Wisnubroto, Chairman, National Nuclear Energy Agency of Indonesia (BATAN), Indonesia

Mr Gerald Ouzounian, International Director, ANDRA, France

Ms Allison M. Macfarlane, Chairman, United States Nuclear Regulatory Commission (U.S. NRC), United States

Mr William D. Magwood, Director General, OECD Nuclear Energy Agency (NEA), France

Mr Raoul Awad, Director General, Directorate of Security and Safeguards, Canadian Nuclear Safety Commission (CNSC), Canada

12:15-14:00

Lunch break

14:00-15:30

Along the journey (part 1)

Session 2 will highlight the steps required to manage radioactive waste before its disposal. The focus will be on technologies and applications used to characterize and treat waste, and conditioning processes used to convert it into a form suitable for storage, transport and, ultimately, disposal.

Mr Daiyong Song, Member of Chinese Delegation, China

Mr Jan Deckers, Business Development and Project Manager, Belgoprocess, Belgium

Mr Hiroshi Rindo, Adviser, Japan Atomic Energy Agency (JAEA), Japan

Ms Daniela Elena Alvarez, Head of Department, Nuclear Regulatory Authority (ARN), Argentina

15:30-16:00

Break

16:00-17:30

Along the journey (part 2)

The session will describe available storage options and technologies, and will discuss the safety aspects related to the pre-disposal management of radioactive waste.

Mr James McKinney, Head of Integrated Waste Management, Nuclear Decommissioning Authority (NDA), United Kingdom

Mr Ewoud Verhoef, Deputy Director, Centrale Organisatie Voor Radioactief Afval (COVRA), Netherlands

Mr Evgeny Kudryavtsev, Head of the Department of Safety Regulation of Nuclear Fuel Cycle Facilities, Nuclear Propulsion Installations and Radiation Hazardous Facilities, Rostekhnadzor, Russian Federation

Mr Carl-Magnus Larsson, Chief Executive Officer, Australian Radiation Protection and Nuclear Safety Agency (ARPANSA), Australia

17:30-20:00

Reception and IAEA Exhibit (C0402)

Wednesday, 24 September 2014

09:00-10:30

Destination (part 1)

Session 3 will illustrate disposal solutions for radioactive waste that must remain under regulatory control. Concepts for disposal being implemented or developed around the world will be outlined and the safety of disposal will be addressed.

Mr Alvaro Rodriguez Beceiro, Director of Technical Division, Empresa Nacional De Residuos Radioactivos, S.A. (ENRESA), Spain

Mr Bálint Nős, Director of Strategy and Technology, Public Limited Company for Radioactive Waste Management (PURAM), Hungary

Mr Chul-Hyung Kang, Executive Vice President, Korea Radioactive Waste Agency (KORAD), Republic of Korea

Mr Juhani Vira, Corporate Adviser, Posiva Oy, Finland

10:30-11:00

Break

11:00-12:30

Destination (part 2)

In particular, some of the scientific and technological developments that provide confidence in the feasibility and safety of deep geological disposal of high level radioactive waste and spent nuclear fuel will be described.

Mr Magnus Westerlind, Director Technology, Swedish Nuclear Fuel and Waste Management Co. (SKB), Sweden

Mr Yoichi Miyamoto, Director, Geological Disposal Research and Development Department, Japan Atomic Energy Agency (JAEA), Japan

Mr Thilo von Berlepsch, Head of International Cooperation Department, DBE Technology GmbH, Germany

12:30-14:00

Lunch break

14:00-15:30

The path ahead

Session 4 will focus on how evolving nuclear technologies, such as better use of nuclear fuel, innovative fuels, and advanced reactors and fuel cycles, could affect future waste management.

Mr Piaray Kishan Wattal, Director of Nuclear Recycle Group, Bhabha Atomic Research Centre (BARC), India

Mr Vyacheslav Pershukov, Deputy Director General, ROSATOM, Russian Federation

Mr Christophe Behar, Director of Nuclear Energy Division, Commissariat Energie Atomique (CEA), France

Mr James C. Marra, Advisory Engineer, Savannah River National Laboratory (SRNL), United States

Public perceptions of science, technology and risk and their influence on managing waste will also be addressed.

Mr Kjell Andersson, Managing Director, Karita Research, Sweden

15:30-16:00

Closing session

Mr Yukiya Amano, IAEA Director General

Mr David G. Huizenga, President of the 5th Review Meeting of the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive Waste Management, Department of Energy, United States

Mr Massimo Garribba, Director for Nuclear Safety and Fuel Cycle of Directorate General for Energy of the European Commission (EC), Luxembourg

16:00

Closing