

A. Events Organized and/or Co-sponsored by the Agency's Secretariat in Conjunction with the Conference's Session

MONDAY

The Arab Network of Nuclear Regulators Plenary Meeting

This meeting will report on the development and the activities of the Arab Network of Nuclear Regulators. The event will be held on **Monday, 14 September 2015, from 2.00 p.m. to 4.00 p.m., in Conference Room M4, M building, ground floor.**

Plenary Meeting of the Ibero-American Forum of Radiological and Nuclear Regulatory Agencies (FORO)

This event will discuss FORO's strategic planning and programme, and its cooperation with the Agency. The event will be held on **Monday, 14 September 2015, from 2.00 p.m. to 5.00 p.m., in Meeting Room M0E100, M building, ground floor.**

Advancing Radiation Protection in the Light of the Revised Basic Safety Standards (BSS)

The International Basic Safety Standards, as well as the EURATOM Basic Safety Standards, have both recently been revised. This side event will give an introduction to the International BSS and EURATOM BSS, a case study on how to ensure implementation in practice, focusing on radiation protection in medicine, and discuss a way forward towards a coherent international radiation protection regime. This event will be held on **Monday, 14 September 2015, from 3.00 p.m. to 5.00 p.m., in Conference Room C1, C building, second floor.**

The Forum of Nuclear Regulatory Bodies in Africa Plenary Meeting

This meeting will report on the development and the activities of the Forum of Nuclear Regulatory Bodies in Africa network. The meeting will be held on **Monday, 14 September 2015, from 4.30 p.m. to 6.30 p.m., in Conference Room M4, M building, ground floor.**

TUESDAY

The key-role of the medical physicist in providing quality and safety in medical uses of ionizing radiation

This event will give an introduction to the key-role of the medical physicist, the potential consequences of a lack of clinically qualified medical physicists in medical facilities and what the IAEA can do to support MS. The event will be held on **Tuesday, 15 September 2015, from 9.00 a.m. to 10.30 a.m., in Meeting Room M0E79, M building, ground floor.**

The IAEA and Member States: Cooperation for Effective Verification

Following a presentation by the Deputy Director General, Head of the Department of Safeguards, on “Facing Our Challenges: Sustaining Effective Verification into the Future”, Department of Safeguards staff will give presentations highlighting the progress made in some of the Department’s major technology projects. The event will be held on **Tuesday, 15 September 2015, from 10.00 a.m. to 11.30 a.m., in Conference Room C3, C building, seventh floor.**

Accomplishments of the Coordination Group for Uranium Legacy Sites (CGULS) — Central Asian Perspectives

Past uranium mining and milling activities have left many countries with an environmental legacy that can have human health consequences – many of which have yet to be properly addressed. In 2012, CGULS was formed to provide technical coordination for national and multilateral activities directed towards remediation of uranium legacy sites in Central Asia, and elsewhere. At present, many national and international activities that contribute to remediation of uranium legacy sites in Central Asia are being carried out. CGULS has assisted countries in Central Asia to strengthen national technical capacities. This side event will report on successes of CGULS to date, on plans going forward, provide perspectives of local representatives from Central Asia and on a new initiative to create a multilateral fund to support remediation of uranium legacy sites in that region.. The event will be held on **Tuesday, 15 September 2015, from 11.00 a.m. to 1.00 p.m., in Conference Room C2, C building, seventh floor.**

Security of Nuclear and Other Radioactive Material in Transport, the IAEA Practical Approach

The Agency has developed a transport security program to assist Member States in implementing international transport security requirements and recommendations into their national frameworks and to assist them in the practical implementation to strengthen transport security arrangements. The event participants will be briefed on the current IAEA activities and future plans to strengthen nuclear transport security worldwide. The event will be held on **Tuesday, 15 September 2015, from 11.00 a.m. to 12.30 p.m., in Conference Room C4, C building, seventh floor.**

10 Year Anniversary of the IAEA's Incident and Emergency Centre (IEC)

Celebrating its 10th anniversary this year, the IAEA’s Incident and Emergency centre is hosting a panel discussion focussing on lessons learnt and the future of Emergency Preparedness and Response. The event will be held on **Tuesday, 15 September 2015, from 12.00 noon to 1.30 p.m., in Conference Room M4, M building, ground floor.**

The IAEA at the Forefront of Fusion Energy Technology Development

The Agency has accompanied international fusion endeavours since the 1950s and focuses its efforts on facilitating the coordination of international fusion undertakings and enhancing the interaction of least-developed Member States with leading fusion initiatives. The event will be held on **Tuesday, 15 September 2015, from 12.00 noon to 1.30 p.m., in Conference Room C5, C building, seventh floor.**

Regional Excellence Programme on Regulatory Capacity Building in Nuclear and Radiological Safety, and Emergency Preparedness and Response in Romania

This event will present the scope of the achievements and improvements in nuclear safety in Romania, through a project supported by Norway. Details of the project will be presented together with benefits of the project to Norway, Romania and the IAEA. The event will be held on **Tuesday, 15 September 2015, from 1.00 p.m. to 2.15 p.m., in Meeting Room M0E03, M building, ground floor.**

Candidate Sourcing and Recruitment Strategy

The Agency relies on a highly educated professional workforce with skills and experience that often are not easily found in the job market. This event will present an update of the Agency's approach to candidate sourcing and recruitment strategy with a particular focus on applicants from underrepresented and non-represented Member States and well qualified female applicants. The event will be held on **Tuesday, 15 September 2015, from 1.30 p.m. to 3.00 p.m., in Conference Room M6, M building, ground floor.**

Treaty Event

The Secretariat is organizing a Treaty Event aimed at promoting universal adherence to the multilateral treaties related to nuclear safety, security and liability for nuclear damage for which the Agency is depositary. This year's Treaty Event will focus on the Amendment to the Convention on the Physical Protection of Nuclear Material. The event will be held on **Tuesday, 15 September 2015 and on Wednesday, 16 September 2015, from 2.00 p.m. to 3.00 p.m., in Meeting Room M0E70, M building, ground floor.**

The European Commission and IAEA Cooperation: Enhancing the Effective Regulatory Infrastructure for Nuclear Safety in IAEA Member States

This event will provide an overview of the activities and accomplishments of the European Commission in the field of Regulatory Effectiveness. Participants will gain insight into how the EC and IAEA work together successfully and collaboratively on projects that benefit the IAEA Member States. The event will be held on **Tuesday, 15 September 2015, from 2.00 p.m. to 3.30 p.m., in Meeting Room M0E79, M building, ground floor.**

Atoms for Peace and Development: The IAEA and the Post-2015 Development Goals

'Atoms for Peace and Development' reflects the Agency's vision for the safe, peaceful and secure use of nuclear technology in support of sustainable development. This event connects nuclear science and technology to the Sustainable Development Goals (SDGs) and underscores the 'Atoms for Peace and Development' message at a moment when much of international attention is focused on sustainable development. The event will be held on **Tuesday, 15 September 2015, from 2.30 p.m. to 4.30 p.m., in Conference Room C3, C building, seventh floor.**

WEDNESDAY

Women in All Things Nuclear — the Future Workforce

The Agency strives to be an employer of choice for highly qualified individuals across the globe and actively supports events and initiatives to address its goal of gender parity in all areas of the organization. This event, hosted by the Department of Management, will look at the trend of youth retention in the fields of science, technology, engineering and mathematics, and discuss the gaps between university graduate students and young professionals in the nuclear field. The event will be held on **Wednesday, 16 September 2015, from 8.30 a.m. to 10.00 a.m., in the VIC Restaurant.**

The 5th Nuclear Operator Organization Cooperation Forum — Nuclear Power Generation in the Next Decade: Challenges and Solutions for 2015–2025

The forum will discuss the status of operating NPPs for safe, reliable and efficient power generation, and in particular technical and programmatic aspects of NPP operation, such as plant performance and system health; effective operation and maintenance management; human resource development programme; social and economic impacts to long term operation of nuclear power plants; and post-Fukushima action and response to robustness and compliance. The event will be held on **Wednesday, 16 September 2015, from 9.30 a.m. to 11.00 a.m., in Conference Room C4, C building, seventh floor.**

The Global Nuclear Safety and Security Network (GNSSN) Plenary Meeting

This meeting will report on the development and the progress of the networks hosted by or linked to the GNSSN. It will discuss the sustainability of national and regional capacity building programmes, and the development of a global partnership on nuclear safety. The event will be held on **Wednesday, 16 September 2015, from 9.30 a.m. to 1.00 p.m., in Conference Room C3, C building, seventh floor.**

Developing solutions for deep geological disposal of high level waste and spent nuclear fuel

Safe radioactive waste management solutions are in operation around the world, with the exception of deep geological disposal for high level waste or spent nuclear fuel. A solid technical and scientific foundation has, however, been developed for the latter, for all major types of host rock formations. This event will provide a brief overview of worldwide efforts towards successful implementation. The event will be held on **Wednesday, 16 September 2015, from 10.00 a.m. to 11.30 a.m., in Conference Room M4, M building, ground floor.**

Exchange of Regulatory Experiences among Ibero-American Forum of Radiological and Nuclear Regulatory Agencies (FORO) and Other Regional Regulatory Associations and Networks

This FORO event aims to present achievements to strengthen regulatory organizations within the scope of its cooperation with the Agency, to discuss regional strategies and to identify possible lines of cooperation with other regional associations and networks. The event will be held on **Wednesday, 16 September 2015, from 10.00 a.m. to 4.00 p.m., in Meeting Room M0E79, M building, ground floor.**

Managing Soils for Climate-Smart Agriculture: Celebrating the International Year of Soils

This event will highlight the work of the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture in climate-smart agriculture as it relates to soil and water management as well as the role of the Agency's Department of Technical Cooperation in enhancing national and regional capacity in Member States. Future challenges and the crucial roles of isotopes in addressing climate change issues will be highlighted. The event will be held on **Wednesday, 16 September 2015, from 11.00 a.m. to 12.00 noon, in Conference Room M5, M building, ground floor.**

New Initiative for Cancer Management — A Cancer Staging App Developed by the IAEA

The Agency has developed a unique app for cancer staging that allows harmonized communication about cancer, which will facilitate appropriate and personalized care among multidisciplinary teams involved in cancer management. This event will show, by means of clinical cases and examples, the impact of the Agency's TNM staging application tool. The event will be held on **Wednesday, 16 September 2015, from 11.00 a.m. to 12.00 noon, in Conference Room C1, C building, second floor.**

Small Modular Reactors: Option for Safe Nuclear Power Technology for Near-term Deployments

The event will highlight design, safety, regulation, and operation aspects of current Small Modular Reactor designs to promote competitive, safe and sustainable nuclear power technology for near-term deployments. The event will be held on **Wednesday, 16 September 2015, from 11.30 a.m. to 1.00 p.m., in Conference Room C4, C building, seventh floor.**

Global Status of Spent Fuel and Radioactive Waste Inventories and Management Strategies: The Status and Trends Project

The IAEA, the OECD Nuclear Energy Agency and the European Commission are collaborating on a two-year project to produce a report on current global inventories of spent fuel and radioactive waste and on strategies for the management of these materials. This event will provide an opportunity for Member States to familiarize themselves with the progress of the project. The event will be held on **Wednesday, 16 September 2015, from 12.00 noon to 1.30 p.m., in Conference Room M6, M building, ground floor.**

Friends of Responsible Uranium Mining (FoRUM): Meeting the Challenges of Competing Stakeholders' Expectations

This event will explore how the challenges of different and sometimes conflicting expectations of different stakeholders in uranium mining can be met both in established markets and in newcomer countries. The event will be held on **Wednesday, 16 September 2015, from 1.30 p.m. to 3.00 p.m., in Conference Room M4, M building, ground floor.**

An Italian/IAEA Joint Contribution to Nuclear Security: The International School on Nuclear Security at the ICTP in Trieste

The event aims at highlighting the experience of the International School on Nuclear Security, a joint Government of Italy/IAEA project at the International Centre for Theoretical Physics in Trieste, Italy. The event will be held on **Wednesday, 16 September 2015, from 1.00 p.m. to 2.00 p.m., in Meeting Room M0E100, M building, ground floor.**

Introduction to EPRIMS — the New Emergency Preparedness and Response (EPR) Information Management System

At this event the new web-based EPR information management system will be presented. Member States will be shown how to self-assess their EPR arrangements and share information with other Member States. The event will be held on **Wednesday, 16 September 2015, from 2.00 p.m. to 3.00 p.m., in Meeting Room M0E03, M building, ground floor.**

Borehole disposal — A Safe and Effective Endpoint for Disused Sealed Radioactive Sources (DSRS)

The borehole disposal concept is a comprehensive engineered system that is a cost effective method for the safe, secure and permanent disposal of DSRS. This event will review recent developments and projects that are ongoing to demonstrate the feasibility of the borehole disposal concept and to establish and implement a borehole facility. The event will be held on **Wednesday, 16 September 2015, from 2.00 p.m. to 3.30 p.m., in Conference Room M6, M building, ground floor.**

The Future We Want: Comprehensive Cancer Control in the Post-2015 Agenda

As negotiations on finalizing the Sustainable Development Goals draw to a close, this side event aims to advocate for increased global action on cancer in the post 2015 global health agenda. The event will be held on **Wednesday, 16 September 2015, from 2.30 p.m. to 4.00 p.m., in Conference Room C1, C building, second floor.**

Africa's Energy Needs and the Potential Role of Nuclear Power

The event will report on recent developments in African Member States considering, embarking on, or expanding national nuclear power programmes and provide an overview of IAEA support to newcomers and expanding countries, including *Integrated Nuclear Infrastructure Review (INIR)* missions to African countries. The event will be held on **Wednesday, 16 September 2015, from 3.30 p.m. to 5.00 p.m., in Conference Room C4, C building, seventh floor.**

THURSDAY

Telemedicine: Providing Health Services at a Distance

This event will focus on telemedicine as a modern tool in radiation medicine, radiation oncology departments networking in India, and the Agency's activities in telemedicine. The event will be held on **Thursday, 17 September 2015, from 9.00 a.m. to 10.00 a.m., in Conference Room M4, M building, ground floor.**

The Report on the Fukushima Daiichi Accident — Lessons learned

At this event the Report on the Fukushima Daiichi Accident will be presented. The event will be held on **Thursday, 17 September 2015, from 9.00 a.m. to 2.00 p.m., in Board Room D, C building, fourth floor.**

Nuclear Olympiad and Developing a Youth Talent Pipeline

The Agency is increasingly involved with initiatives that aim to increase the number and diversity of young students studying nuclear science and technology. As a first-of-a-kind event for the Agency, students currently enrolled in universities and secondary schools will present their research about the peaceful uses of nuclear science and technology. The event is co-hosted by the Department of Management and the Department of Nuclear Sciences and Applications, and will be held on **Thursday, 17 September 2015, from 10.00 a.m. to 12.00 noon, in Conference Room C3, C building, seventh floor.**

Socio-economic Impact of Accelerator-based Research

This side event will present frontier research results where particle accelerators have a unique role in providing analytical information. International experts will present case studies with clear socio-economic benefits. The topics will include: energy applications, exploring provenance and manufacturing methods of biological and cultural heritage items, clean environment, strategic planning and efficient operation of a multi-purpose accelerator facility. The event will be held on **Thursday, 17 September 2015, from 12.30 p.m. to 2.00 p.m., in Conference Room C3, C building, seventh floor.**

Water Security in a Changing Climate and the Role of Isotope Hydrology

Isotope hydrology plays a key role building the knowledge base for understanding the impact of climate change on rainfall and on the assessment of groundwater resources. Together with satellite-based observations of depleting groundwater reserves, isotopic age of groundwater provides crucial information. This side event will present an overview of recent changes and their impact on water security, as well as the role of isotope hydrology. The event will be held on **Thursday, 17 September 2015, from 2.00 p.m. to 3.00 p.m., in Conference Room C5, C building, seventh floor.**

European Master of Science in Nuclear Engineering Award Ceremony

This event will be held on **Thursday, 17 September 2015, from 2.00 p.m. to 3.30 p.m., in MO2 Foyer, M building, second floor.**

Radiation Medicine in Cancer: Improving Patient Care

This event will demonstrate the importance of radiation medicine in the modern management of cancer patients, and the support provided by the Agency's Division of Human Health in instituting and/or developing radiation medicine in many Member States. The event will be held on **Thursday, 17 September 2015, from 4.00 p.m. to 5.00 p.m., in Conference Room C3, C building, seventh floor.**

FRIDAY

Regulatory Cooperation Forum (RCF) Annual Plenary Meeting

During this event, members of the RCF will meet to discuss improvements to the RCF programme and discuss their involvement in the RCF and their views of the RCF and its objectives. This event will be held on **Friday, 18 September 2015, from 9.30 a.m. to 12.00 noon, in Conference Room C3, C building, seventh floor.**

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B. Events Organized by Member States in Conjunction with the Conference's Session

MONDAY

UK Nuclear Capability: Building the Future on Experience and Innovation

This event will seek to illustrate the scope of the UK's nuclear capability in all aspects of nuclear energy development, usage and decommissioning. This event is organized by the United Kingdom. The event will be held on **Monday, 14 September 2015, from 1.00 p.m. to 2.30 p.m., in Conference Room C1, C building, second floor.**

New Progress in Probabilistic Safety Assessment Fundamentals for Reactor Safety

Despite the reliability of current probabilistic safety assessment procedures, a number of challenging issues were highlighted by the Fukushima Daiichi nuclear accident of March 2011. Based on recent theoretical progress, this event will review possible upgrades to the current methodological framework. This event is organized by France. The event will be held on **Monday, 14 September 2015, from 2.00 p.m. to 4.30 p.m., in Conference Room C4, C building, seventh floor.**

The BR² high flux reactor refurbishment and capacities for testing and radio-isotopes production

This event will present the BR2 MTR reactor, its capacities and possibilities for safety studies, medical isotopes production and material analysis (LTO, Gen IV, fusion). This event is organized by Belgium. The event will be held on **Monday, 14 September 2015, from 4.30 p.m. to 6.00 p.m., in Conference Room C3, C building, seventh floor.**

Rosatom HR Solutions for National Nuclear Programmes of Partner Countries

This event will present Rosatom's approach to human resources development in national nuclear power programmes and discuss their views on key challenges in establishing and developing a personnel training system for countries developing nuclear technologies. This event is organized by the Russian Federation. The event will be held on **Monday, 14 September, from 5.00 p.m. to 7.00 p.m., Conference Room C4, C building, seventh floor.**

TUESDAY

Advanced Nuclear Reactor Technology — Hualong One

This event will demonstrate key characteristics of advanced nuclear reactor technology at Hualong One. This is a third generation nuclear reactor completely and independently developed by China. This event is organized by China. The event will be held on **Tuesday, 15 September 2015, from 12.00 noon to 1.30 p.m., in Conference Room C3, C building, seventh floor.**

China Advanced Passive Reactor Technology: CAP1400

The event will demonstrate CAP1400 technology developed by China. The CAP1400 nuclear power plant, with an electrical output of around 1500 MW(e), is an advanced third generation passive plant based on AP1000 technology. This event is organized by China. The event will be held on **Tuesday, 15 September 2015, from 2.00 p.m. to 3.30 p.m., in Conference Room C4, C building, seventh floor.**

Decommissioning and Decontamination (D&D) Strategies for Sellafield, Fukushima Daiichi, Savannah River and Marcoule

This event is intended to explore the path for extended collaboration to elaborate D&D strategies with the participation of experts from relevant organizations. This event is organized by France, Japan, the United Kingdom, and the United States of America. The event will be held on **Tuesday, 15 September 2015, from 4.00 p.m. to 5.30 p.m., in Conference Room M4, M building, ground floor.**

Russian Technologies of Nuclear Power Plant Life Cycle Management

This event will present the Russian experience about 'on schedule and within budget' construction of nuclear power plants by implementing innovative technologies for nuclear life cycle management, including the use of Multi-D innovative technology for complex engineering facilities construction. This event is organized by the Russian Federation. The event will be held on **Tuesday, 15 September 2015, from 4.30 p.m. to 6.30 p.m., Conference Room C4, C building, seventh floor.**

Sustainable Nuclear Security Governance: Beyond the 2016 Nuclear Security Summit

The 2016 Nuclear Security Summit (NSS) will be the last in the current series of Summits initiated in 2010. Each successive Summit has built on pledges made to secure nuclear materials, ratify international legal instruments, and provide support for global efforts to improve nuclear security oversight and governance. This event will focus on effective stakeholder coordination and communication among representatives of government, industry, international organizations, and civil society for sustainable nuclear security governance beyond the 2016 Summit. This event is organized by the United States of America. The event will be held on **Tuesday, 15 September 2015, from 6.00 p.m. to 8.00 p.m., in Conference Room C3, C building, seventh floor.**

WEDNESDAY

Introduction to the United Nations COP21 and the Potential Contribution of Nuclear Energy

This event will introduce the upcoming 21st session of the Conference of the Parties to the United Nations Framework Convention on Climate Change (COP21) and will show how nuclear energy may contribute to climate change mitigation. This event is organized by France. The event will be held on **Wednesday, 16 September 2015, from 5.00 p.m. to 6.30 p.m., in Conference Room C1, C building, second floor.**

HERCA–WENRA Approach for a Better Cross-Border Coordination of Protective Actions during the Early Phase of a Nuclear Accident

This event will present and discuss the HERCA (Heads of the European Radiological Protection Competent Authorities)–WENRA (Western European Nuclear Regulators Association) approach for better cross-border coordination of protective actions during the early phase of a nuclear accident. The event will start with a presentation and will be followed by a panel discussion. This event is organized by Switzerland. The event will be held on **Wednesday, 16 September 2015, from 5.30 p.m. to 7.00 p.m., in Conference Room C4, C building, seventh floor.**

THURSDAY

Dialogue between Coastal and Shipping States

The dialogue between coastal and shipping states was established in Vienna as an informal mechanism in the margins of the General Conference, with the objective of building confidence and promoting transparency on the transport of MOX fuel, high level radioactive waste and, as appropriate, irradiated nuclear fuel by sea. This event is organized by Japan. The event will be held on **Thursday, 17 September 2015, from 1.00 p.m. to 3.30 p.m., in Conference Room M6, M building, ground floor.**

The Nuclear Energy Roadmap — Perspectives from France

This event will focus on France's know-how in the development of nuclear energy for peaceful purposes, with an emphasis on support for new build, operations, waste management, and dismantling, for expanding and embarking countries. This event is organized by France. The event will be held on **Thursday, 17 September 2015, from 3.30 p.m. to 5.30 p.m., in Conference Room C5, C building, seventh floor.**

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