

Side Events Organized at the International Conference on Nuclear Security: Shaping the Future 20-24 May 2024

Tuesday, 21 May 2024

Shaping the Future of Nuclear Security by Achieving Gender Equality

Organized by Australia and Kazakhstan

*Tuesday, 21 May 2024, 13.15 – 14.15
Board Room A, M Building, Second Floor*

This event will aim to provide practical insights and actionable guidance to promote gender equality, women's empowerment and leadership as positive drivers to shape the future of nuclear security.

Uncrewed Aerial Systems (UAS) Emerging Technology and Capabilities as relates to Nuclear Security

Organized by the United States, Canada, the Republic of Korea, and the United Kingdom

*Tuesday, 21 May 2024, 13.15 – 14.15
ESPACE, M Building, First Floor*

The United States, Canada, the Republic of Korea, and the United Kingdom discuss the growth in popularity of UAS as a versatile business tool, national security asset, and popular recreational hobby. Due to the increased use of UAS, nuclear security threats associated with these devices may continue to evolve over the coming years. As a result, evolving UAS capabilities and technologies will need to be continuously monitored for threats, vulnerabilities, and consequences to ensure adequate mitigation strategies are developed.

Enhancement of Nuclear Safety and Security in Latin America: Removal of High-Activity Disused Sealed Radioactive Sources

Organized by Canada

*Tuesday, 21 May 2024, 13.15 – 14.15
Conference Room M2, M Building, First Floor*

This side event will highlight the experiences from several countries in Latin America that participated in a regional IAEA project to remove disused sealed radioactive sources (DSRSs), outlining the steps involved, describing the reasons why they participated in the project, and summarizing the benefits that came from their engagement. Panellists will share their experiences in the project, including challenges faced and solutions developed. The objectives for this discussion are to, first, raise awareness of the project's objectives and results and, second, to highlight practical assistance that can be provided by the IAEA to support countries who are in possession of DSRSs and are committed to their safe and secure use, storage and removal.

Shaping the Future of Nigeria's Nuclear Security Regime: The Impact on Nigeria and other Member States of Collaborating with the Border Monitoring Working Group

Organized by the European Commission and Border Monitoring Working Group (BMWG)

Tuesday, 21 May 2024, 13.15 – 14.15

Conference Room M3, M Building, First floor

The BMWG strives for comprehensive assistance to partner countries through integrated planning and coordinated equipment deployment. Since its establishment, the BMWG has proven to not only be an effective tool for avoiding duplication and maximizing and targeting resources, but also a forum to address common technical concerns and jointly develop capacity building tools. During this side event, Nigeria, a select partner country, will be the focus, reporting its successful experience with collaborating on these nuclear security projects.

Strengthening Global Nuclear Security through Universal and Full Implementation of the CPPNM and its Amendment

Organized by the International Atomic Energy Agency (IAEA)

Tuesday, 21 May 2024, 13.15 – 14.15

Conference Room M4, M Building, First Floor

This side event will highlight the importance of the CPPNM and its Amendment in establishing a robust global legal framework which enhances national, regional and international nuclear security.

Know Your Insiders: The Way Ahead for International Cooperation on Insider Threat Mitigation

Organized by Belgium and the United States

Tuesday, 21 May 2024, 13.15 – 14.15

Conference Room M5, M Building, Ground Floor

This side event will review outcomes of the Insider Threat Mitigation Symposium in March 2024, showcase the advancements made by the Insider Threat Mitigation (INFCIRC 908) Working Group, describe the Working Group's next steps and how interested Member States can be involved.

Building and Sustaining a Community of Practice: Overview and Experience of Members of the International Network for Nuclear Security Training and Support Centres

Organized by the International Network for Nuclear Security Training and Support Centres (NSSC Network)

Tuesday, 21 May 2024, 13.15 – 14.15

Conference Room M6, M Building, Ground Floor

Panellists from Member States will discuss and share their perspectives on building this community of practice, while highlighting the areas and themes of nuclear security which are supported by the core functions of the NSSC Network. Panellists will also discuss how the activities of the NSSC Network Working Groups ensure the success of this community of practice.

Prosecution and Adjudication of Radiological and Nuclear Crimes

Organized by the European Commission and the United Nations Interregional Crime and Justice Research Institute (UNICRI)

Tuesday, 21 May 2024, 13.15 – 14.15
Conference Room M7, M Building, Ground Floor

The side event will showcase the Prosecutor's Guide to Radiological and Nuclear Crimes and its corresponding capacity building and training package, highlighting the steps in the practical implementation of its operationalisation. It will focus on the complementarity of this initiative with the IAEA's existing publications and capacity building packages.

Advanced & Small Modular Reactors: How Can We Succeed in Both Energy Security and Nuclear Security?

Organized by the United Kingdom

Tuesday, 21 May 2024, 16.15 – 17.15
Board Room A, M Building, Second Floor

This side event will facilitate discussion with IAEA Member States, academics and nuclear industry vendors to consider a variety of perspectives on the associated risks and opportunities of Advanced and Small Modular Reactors.

Development of Nuclear Forensics as one of the Key Elements in Nuclear Security Architecture in Kazakhstan

Organized by Kazakhstan

Tuesday, 21 May 2024, 16.15 – 17.15
Conference Room M2, M Building, Ground Floor

At this side event, Kazakhstan will share its experience in developing and maintaining nuclear forensics capabilities to ensure nuclear security. The presentation and follow-on discussion will highlight the importance and relevance of developing nuclear forensics capabilities in a State's overall nuclear security infrastructure.

U.S. Security Support for IAEA's Atoms4NetZero Initiative

Organized by the United States

Tuesday, 21 May 2024, 16.15 – 17.15
Conference Room M3, M Building, First Floor

In November 2022, IAEA DG Grossi launched the "Atoms4NetZero" initiative, which aims to harness the power of nuclear energy to achieve net zero carbon emissions and energy security. This side event will highlight U.S. government and industry resources available to support the responsible global expansion of nuclear power programs consistent with the Atoms4NetZero Initiative, with an emphasis on early consideration of security and capacity building. This event will include the U.S. National Nuclear Security Administration, U.S. Department of State, and U.S. Nuclear Regulatory Commission.

Needs Assessment Comes First: the IAEA's Optimized Approach to Strengthening Nuclear Security

Organized by the International Atomic Energy Agency (IAEA)

Tuesday, 21 May 2024, 16.15 – 17.15

Conference Room M4, M Building, Ground Floor

The IAEA's optimized approach to strengthening nuclear security is based on a needs assessment in Member States, supported by the Integrated Nuclear Security Sustainability Plan (INSSP) framework and process, along with the nuclear security peer review and advisory services. During the side event through engaging role plays, participants will delve into real-world scenarios: crafting national roadmaps based on thorough needs assessments, facilitating fundraising, enhancing national and international coordination, optimizing resource utilization, and enabling progress tracking.

EU-IAEA Cooperation for Global Nuclear Security

Organized by the European Union

Tuesday, 21 May 2024, 16.15 – 17.15

Conference Room M5, M Building, Ground Floor

The side-event is taking place on the occasion of the launch of the new EU cycle of support to IAEA nuclear security activities for the period 2024-2027. It will be an opportunity to showcase examples of key nuclear security projects supported by the EU, to highlight their concrete results, as well as to introduce the new cycle of support. Broader information including EU-IAEA nuclear security cooperation, at technical level, involving the Joint Research Centre will also be provided.

Introducing INTERPOL's Radiological and Nuclear Terrorism Threat Assessment Methodologies: Forecasting a Terrorist Attack for Nuclear Security

Organized by INTERPOL

Tuesday, 21 May 2024, 16.15 – 17.15

Conference Room M6, M Building, Ground Floor

This side event will outline INTERPOL's efforts in supporting countries to undertake terrorism threat and risk assessments specifically involving radiological and nuclear material and how its efforts improve nuclear security at national, regional, and international level.

Alternatives to High Activity Sealed Sources

Organized by France, Germany and the United States

Tuesday, 21 May 2024, 16.15 – 17.15

Conference Room M7, M Building, Ground Floor

An effective risk reduction measure is not to possess or use highly radioactive sources. To do so while meeting the end-user needs, alternatives should be available so that an informed decision is made. The Ad-hoc group on alternative technologies is a forum where success in transitioning can be shared, but also to recognize existing challenges and pushing for addressing them. The side event, co-sponsored by Germany and the United States, will present key achievements of the group as well as areas for further work. Panellists will share their experience in transitioning and key factors for success as well as areas where further improvements are needed.

INSServ as a Tool to Enhance and Sustain Nuclear Security for Materials Out of Regulatory Control

Organized by the International Atomic Energy Agency (IAEA)

Tuesday, 21 May 2024, 16.15 – 17.15

ICONS Space, M Building, Ground Floor

The side event will feature a panel discussion on the International Nuclear Security Advisory Service (INSServ) as part of the IAEA assistance to Member States to enhance and maintain nuclear security for materials outside of regulatory control. Keynote speakers will share their experiences with INSServ missions with the aim to raise awareness about the importance of INSServ and to encourage countries' requests for such missions.

Shaping the Future: Networking Event for the Next Generation of Nuclear Security Professionals

Organized by the World Institute for Nuclear Security (WINS) and United Nations Nuclear Young Generation (UN-NYG) with the support of the U.S. Department of Energy, National Nuclear Security Administration

Tuesday, 21 May 2024, 16.15 – 17.15

Mozart Room, F Building, EUREST Restaurant

The networking event will focus on empowering young professionals in nuclear security, highlighting the importance of their engagement in shaping the future of the nuclear security sector. Through discussions and insights shared from past activities conducted by WINS, including regional roundtables and international webinars, participants will learn from diverse perspectives on actions to overcome challenges and create opportunities to facilitate the inclusion of the next generation in the sector. Participants will be provided an opportunity to network, learn about career paths in nuclear security, and discover resources offered by WINS to support young professionals in their journey towards contributing to the sustainability and effectiveness of nuclear security worldwide.

Wednesday, 22 May 2024

Reducing Risk by Physical Protection Upgrades of Facilities Handling Nuclear Material or Other Radioactive Material

Organized by the International Atomic Energy Agency (IAEA)

Wednesday, 22 May 2024, 08.00 – 09.00

Conference Room M4, M Building, Ground Floor

This side event will present examples of IAEA assistance activities related to physical protection upgrades of facilities handling nuclear or other radioactive material. The event will include some case studies and information from recently completed physical protection upgrades in Member States.

The Nuclear Security Fund: Putting the Nuclear Security Programme into Action

Organized by the International Atomic Energy Agency (IAEA)

Wednesday, 22 May 2024, 08.00 – 09.00

Mozart Room, F Building, EUREST Restaurant

This side event will raise awareness of the invaluable contributions Member States make to the Nuclear Security programme through the Nuclear Security Fund, a voluntary funding mechanism established in 2002. During the event, Member States will share their experiences and insights, providing valuable perspectives on their roles as donors in supporting international nuclear security.

The Next Generation of Nuclear Security Professionals: How Gender Equality, Diversity, and Inclusion is Shaping the Future

Organized by the World Institute for Nuclear Security (WINS)

Wednesday, 22 May 2024, 12.45 – 13.45

Board Room A, M Building, Second Floor

The next generation of nuclear security professionals are not simply defined by age, they will be defined by the diversity of their backgrounds, genders and disciplines. To truly shape our future, the field of nuclear security must be ready for evolving threats, new risks and the benefits and consequences of new technologies. To shape the future, we must reframe what a nuclear security professional looks like, the knowledge they have gained and what they understand.

Nuclear Security in Australia: A Collaborative Approach to ‘Shape our Future’

Organized by Australia

Wednesday, 22 May 2024, 12.45 – 13.45

Conference Room M2, M Building, First Floor

Australia's nuclear-focused agencies all share a deep dedication to nuclear security. We invite you to hear from experts from these nuclear agencies as they share insights into our national collaborative approaches, our engagement within the Asia Pacific, and our aspirations for the future of nuclear security.

Preparing for and Responding to Nuclear Security Threats in Armed Conflict

Organized by the United States

Wednesday, 22 May 2024, 12.45 – 13.45

Conference Room M3, M Building, First Floor

This side event will showcase international efforts to counter and respond to increased nuclear security threats arising from armed conflict and identify lessons learned for emergency preparedness and response to unique challenges beyond the Design Basis Threat. Speakers will highlight activities to strengthen prevention, detection, and response capabilities and explore how lessons learned from recent experiences can preserve nuclear security norms and enhance nuclear security architectures.

How Nuclear Regulatory Infrastructure Development has Strengthened Safety and Security: Case studies from Africa

Organized by Canada

Wednesday, 22 May 2024, 12.45 – 13.45

Conference Room M4, M Building, Ground Floor

This side event will feature IAEA Member States in Africa who benefited from Regulatory Infrastructure Development Project (RIDP) activities, training and events. The RIDP is an IAEA technical assistance mechanism aimed to support national authorities to establish or to enhance the national regulatory infrastructure for radiation safety and for security of radioactive material. This comprehensive assistance is provided in the overall context of promoting sustainable socio-economic development, while supporting States in creating an enabling environment for the safe, secure and peaceful application of nuclear technology.

Defence in Depth for Nuclear Security: Perspectives from the UK Home Office, Homeland Security Group

Organized by the United Kingdom

Wednesday, 22 May 2024, 12.45 – 13.45

Conference Room M5, M Building, Ground Floor

This side event will share the UK's approach and expertise to delivering a defence-in-depth model based around the prevention of malicious acts using radiological or nuclear materials and encourage an exchange of views on the best approaches to nuclear security.

From Crime Scene to Courtroom: Putting the International Convention for the Suppression of Acts of Nuclear Terrorism (ICSANT) into Practice

Organized by the United Nations Office on Drugs and Crime (UNODC) in cooperation with Canada and the European Union

Wednesday, 22 May 2024, 12.45 – 13.45

Conference Room M6, M Building, Ground Floor

Through two interactive activities, the side event will increase awareness on the importance of adhering to and effectively implementing the International Convention for the Suppression of Acts of Nuclear Terrorism (ICSANT).

Gender Equality in Nuclear Security: Achievements and Challenges

Organized by the Women in Nuclear Security Initiative (WINSI) & Women in Nuclear IAEA (WiN IAEA)

Wednesday, 22 May 2024, 12.45 – 13.45

Conference Room M7, M Building, Ground floor

This side event will host a panel discussion among Member States' Ambassadors to share their experiences in advancing gender equality and diversity in nuclear security and the challenges involved.

Demonstration of Software and Mobile Applications Supporting Nuclear Security Operations

Organized by the International Atomic Energy Agency (IAEA)

Wednesday, 22 May 2024, 12.45 – 13.45
ICONS Space, M Building, Ground Floor

This event will present tools developed by the IAEA to assist countries in conducting nuclear security field operations and in making decisions in the case of nuclear security events. The event will also include a hands-on demonstration.

Thursday, 23 May 2024

Missing or Stolen? The Incident and Trafficking Database (ITDB) has the Info

Organized by the International Atomic Energy Agency (IAEA)

Thursday, 23 May 2024, 08.00 – 09.00
ICONS Space, M Building, Ground Floor

This side event will present key data and figures about the ITDB, and will host a discussion among Member States about their national experiences as participating States to ITDB.

Closing the Gap: High Level Engagement on Nuclear Security

Organized by the Vienna Center for Disarmament and Non-proliferation (VCDNP)

Thursday, 23 May 2024, 12.45 – 13.45
Board Room A, M Building, Second floor

In this event, VCDNP will convene an informal fireside chat between high-level officials from around the world regarding lessons learned and challenges in building global engagement in nuclear security, with a particular focus on the universalisation of legal instruments for nuclear security. The event will highlight the results of a VCDNP workshop for high level officials and parliamentarians convened in April 2024 on universalization of legal instruments for nuclear security.

Nuclear Security Prevention, Detection & Response by WiN IAEA Young Talent

Organized by Women in Nuclear IAEA (WiN IAEA) Young Talent

Thursday, 23 May 2024, 12.45 – 13.45
ESPACE, M Building, First Floor

This side event will showcase the importance of young technical talent within the IAEA's Division of Nuclear Security and their contribution to the implementation of the IAEA's nuclear security programme.

Planning for Change: Security Beyond Traditional Transportation of Nuclear Materials

Organized by the United Kingdom and the United States

Thursday, 23 May 2024, 12.45 – 13.45

Conference Room M2, M Building, First Floor

With an interest in nuclear power globally, this side event will explore how taking actions now can help to prepare for the future and ensure that transport security continues to be robust and meets the needs of the 21st century.

The Future of Research Reactors: Design, Deployment & Uranium Supply

Organized by the United States

Thursday, 23 May 2024, 12.45 – 13.45

Conference Room M3, M Building, First Floor

This side event will include a panel discussion on milestones to design, construct and operate new research reactors, incorporation of proliferation resistance into new facilities, supply of HALEU for existing and future research reactors, efforts to qualify new high power HALEU fuels for the next generation of research reactors and tools for disposition options of spent fuel. All of these aspects of “next-generation” research reactor builds will impact nuclear security at those facilities.

Nuclear Security Training and Demonstration Centre: Results and Lessons Learned from the First Months of Operation

Organized by the International Atomic Energy Agency (IAEA)

Thursday, 23 May 2024, 12.45 – 13.45

Conference Room M4, M Building, First Floor

The side event will discuss the experiences in establishing and initiating the IAEA’s Nuclear Security Training and Demonstration Centre (NSTDC), while also presenting the initial results from the first months of operation. The side event will be followed by a visit to the NSTDC (advance registration is required).

Visit to the Nuclear Security Training and Demonstration Centre (NSTDC)

Organized by the International Atomic Energy Agency (IAEA)

Thursday, 23 May 2024, 13.45 – 17.00

NSTDC at the IAEA Laboratories in Seibersdorf

A visit to the NSTDC at the IAEA Laboratories in Seibersdorf will be offered from 13.45 to 17.00. Advance registration is required by sending an email to NSTDC@iaea.org by Monday, 20 May 2024. In your email, please state your first and family name, affiliation, delegation, e-mail address and telephone number. The assembly point is the Information Desk at the entrance to the M building where registered participants will be picked up at 13.45.

Nuclear Security in Times of Crisis

Organized by the Nuclear Threat Initiative

Thursday, 23 May 2024, 12.45 – 13.45

Conference Room M5, M Building, Ground Floor

Based on the Nuclear Threat Initiative's recent project on nuclear facilities in times of crisis, this side event will feature operational, regulatory, normative, legal, and institutional recommendations focused on reducing risks at civilian nuclear facilities. This will include recommendations for policies governments can develop to discourage attacks on civilian nuclear facilities; regulatory requirements that could strengthen crisis resilience at nuclear facilities; and the role of nuclear security-focused international organizations during crises.

Forensic Analysis Plans: Interface between Crime Scene Investigators and Nuclear Forensics Laboratories

Organized by the Nuclear Forensics International Technical Working Group (ITWG)

Thursday, 23 May 2024, 12.45 – 13.45

Conference Room M6, M Building, Ground Floor

This event will include a mini-tabletop exercise where participants play through a nuclear smuggling scenario considering law enforcement, analytical laboratory, and nuclear security elements during a simulated investigation.

Outcomes of the Coordinated Research Project: Enhancing Computer Security for Radiation Detection Systems

Organized by the International Atomic Energy Agency (IAEA)

Thursday, 23 May 2024, 12.45 – 13.45

ICONS Space, M Building, Ground Floor

This side event will present results of the Coordinated Research Project on Enhancing Computer Security for Radiation Detection Systems, which includes techniques to improve computer security of radiation detection equipment, associated computer-based systems, data communications protocols and network infrastructure.

Visit to the Nuclear Security Detection and Monitoring Equipment Laboratory

Organized by the International Atomic Energy Agency (IAEA)

Thursday, 23 May 2024, 12.45 – 13.45

Information Desk, M Building, Ground Floor

The visit will explore assistance offered to Member States to improve nuclear security detection, while providing information about handheld radiation detection instruments. It will also demonstrate support given to implement nuclear security measures during major public events. Advance registration is required by emailing T.Pelletier@iaea.org by 17 May at noon. In your email, please state your first and family name, affiliation, delegation, e-mail address and telephone number. The assembly point is the Information Desk at the entrance to the M building where registered participants will be picked up at 12.45.

The Future of Civil Society in Advancing Nuclear Security Culture

Organized by the Stimson Center

Thursday, 23 May 2024, 17.45 – 18.45

Board Room A, M Building, Second Floor

This event will include a panel of civil society experts in nuclear security and representing different parts of the world. The panel will reflect on the 2023 edition of the *Catalogue of Civil Society Activities Strengthening Nuclear Security* compiled by the Stimson Center's International Nuclear Security Forum, discuss the important roles civil society has played in supporting the development of nuclear security culture to date, and assess opportunities and challenges for civil society to advance and strengthen nuclear security culture amid a potential expansion of nuclear energy solutions, new technologies, and emerging threats.

Security of Small Modular Reactors

Organized by the International Atomic Energy Agency (IAEA)

Thursday, 23 May 2024, 17.45 – 18.45

Conference Room M2, M Building, Ground Floor

This side event will cover work to date associated with the security of small modular reactors (SMRs), including previewing the forthcoming TECDOC and the upcoming International Conference on Small Modular Reactors and their Applications. The event will include polling to crowdsource data which will be used to inform the IAEA'S SMRs nuclear security strategy development.

Exercising the Value of National Nuclear Forensics Libraries

Organized by the United States and Germany

Thursday, 23 May 2024, 17.45 – 18.45

Conference Room M3, M Building, First Floor

This side event will interactively demonstrate the power of national nuclear forensics libraries (NNFLs) as "tools of the future" for governments to investigate radioactive and nuclear (R/N) material outside of regulatory control. The event will feature presentations by U.S. and German experts about a "communications exercise" in which Germany queried the U.S. NNFL to learn valuable new information about highly radioactive Cobalt-60 sources discovered in scrap metal shipments. Participants will learn how to compose and submit their own NNFL queries, which could help them solve trafficking cases, close security gaps, and improve R/N safety practices in their home countries and around the world.

Five Years of Outcome Focused Nuclear Security Regulation: Lessons Identified and the Future

Organized by the United Kingdom

Thursday, 23 May 2024, 17.45 – 18.45

Conference Room M4, M Building, Ground floor

The United Kingdom was the first regulator to adopt an outcome focused approach to nuclear security regulation. This side event is a critical review of the introduction and deployment of outcome focused

nuclear security regulation and provides an overview of what has been successful and areas for further development.

Educating the Next Generation of Nuclear Security Professionals to Meet Future Global Demands

Organized by the International Nuclear Security Education Network (INSEN)

Thursday, 23 May 2024, 17.45 – 18.45
Conference Room M5, M Building, Ground Floor

This side event will include panellists from the IAEA and Member States and will discuss and share perspectives on the role of education and the International Nuclear Security Education Network (INSEN) in building capacity in nuclear security.

Secure4Med: Addressing Nuclear Security and Physical Protection of Radioactive Materials in Medical Facilities

Organized by Italy

Thursday, 23 May 2024, 17.45 – 18.45
Conference Room M6, M Building, Ground Floor

This side event will include experts from Technical Support Organizations, medical facilities, hospitals, regulatory bodies, research centres and academia, who will discuss the need for raising awareness on nuclear security in the medical sector. During the side event, the potential use and benefits of emerging technologies for medical professionals and technicians will also be addressed.

Launch of the New Nuclear Security Information (NUSEC) Portal

Organized by the International Atomic Energy Agency (IAEA)

Thursday, 23 May 2024, 17.45 – 18.45
ICONS Space, M Building, Ground Floor

This side event will serve as the official launch of the re-designed NUSEC portal, a platform promoting international cooperation, awareness, communication and information sharing among nuclear security community.