![VCDNP logo - Vienna Center for Disarmament and Non-Proliferation]

Nuclear Security Professional Development Course

24 January – 28 January 2022

Part I. Pre-reading and preparatory module (Optional):

IAEA Nuclear Security e-Learning:
https://elearning.iaea.org/m2/course/index.php?categoryid=48

Part II. Five-day intensive short course

Times displayed in Central European Time

Day 1: Monday, 24 January

09:00 – 09:30	Welcome Remarks **Elena Sokova,** Executive Director, VCDNP **Elena Buglova,** Director, Division of Nuclear Security (NSNS), IAEA
09:30 – 09:35	**Logistical Notes and Questions** **Noah Mayhew,** Research Associate, VCDNP
09:35 – 09:45	**Course Overview, Introductions and Group Photo** **Marianne Nari Fisher**, Visiting Research Fellow, VCDNP
09:45 – 10:15	**Peaceful Uses of Nuclear Science and Technology** **Jean-Pierre Cayol,** Departmental Programme Coordinator, IAEA Department of Nuclear Sciences and Applications
10:15 – 10:30	Break
10:30 – 11:15	**Nuclear Security at IAEA** **Elena Buglova,** Director, NSNS, IAEA
11:15 – 11:45	**"Meet and Greet" Session** in Breakout Groups
11:45 – 12:45	Lunch break
12:45 – 13:30	**Nuclear Security Overview and Essentials** **Marina Labyntseva,** Unit Head, NSNS, IAEA
13:30 – 14:15	**IAEA Services and Assistance in Nuclear Security** **Jason Tierney,** Section Head, NSNS, IAEA
14:15 – 14:30	Wrap-Up and Announcements

Day 2: Tuesday, 25 January

09:00 – 09:05	Review and Introduction to Day 2
09:05 – 10:15	**Panel: Nuclear security regime development: historical overview, tools and instruments** *Elena Sokova,* Executive Director, VCDNP *Lars van Dassen,* Executive Director, WINS
10:15 – 10:30	Break
10:30 – 11:30	**The Legal Framework for Nuclear Security** *Jonathan David Herbach,* Office of Legal Affairs, IAEA
11:30 – 11:45	Break
11:45 – 12:45	**Nuclear Energy and the Nuclear Fuel Cycle** *Marc Humphrey,* Team Leader, Department of Safeguards, IAEA
12:45 – 13:15	**Participant Social**

Day 3: Wednesday, 26 January

09:00 – 09:05	Review and Introduction to Day 3
09:05 – 09:45	**Introduction to the Security of Radioactive Material** *Alessia Rodriguez y Baena,* Unit Head, NSNS, IAEA
09:45 – 10:00	Break
10:00 – 10:30	**Elements of Physical Protection** *Kristof Horvath,* Unit Head, NSNS, IAEA
10:30 – 11:00	**Nuclear Security of Materials Outside of Regulatory Control** *Thierry Pelletier,* Unit Head Nuclear Security Detection Architecture, IAEA
11:00 – 11:30	**Transport Considerations in Nuclear Security** *Tünde Katona,* Advisor, Hungarian Atomic Energy Authority
11:30 – 12:00	**Nuclear material smuggling and radiological security incidents. Incident and Trafficking Database** *Anna Gredinger,* Nuclear Security Information Officer, NSNS, IAEA
12:00 – 12:15	Break
12:15 – 12:55	**Emergency management and response for nuclear security events, introduction to Incident & Emergency Centre (IEC)** *Florian Baciu,* Response System Coordinator**,** IEC, IAEA
12:55– 13:00	Wrap-Up and Announcements

Day 4: Thursday, 27 January

09:00 – 09:05	Review and Introduction to Day 4
09:05 – 10:00	**The role of Industry and WINS Programmes** *Lars van Dassen,* Executive Director, WINS
10:00 – 10:15	Break
10:15 – 11:15	**Panel: Diversity, Sustainability, and Nuclear Security** *Ingrid Kirsten,* VCDNP *Pierre Legoux, Head of Programme Implementation, WINS*
11:15 – 11:30	Break
11:30 – 12:30	**Cybersecurity in Nuclear Security** *Álvaro Acevedo, Programme Manager, WINS*
12:30 – 13:15	**The Global Nuclear Security Framework: Key Documents, Perspectives, and Considerations** *Lars van Dassen,* Executive Director, WINS *Rhonda Evans, Head of Programme Development, WINS*
13:15 – 13:30	Wrap-Up and Announcements

Day 5: Friday, 28 January

09:00 – 09:05	Review and Introduction to Day 5
09:05 – 09:15	**Introduction to CPPNM & A/CPPNM, Why Now?** *Marianne Nari Fisher,* Visiting Research Fellow, VCDNP
09:15 – 10:15	**Panel on Outcomes and Expectations: A/CPPNM Review Conference** *Ambassador Benno Laggner,* Co-President of the A/CPPNM Review Conference 2022; Resident Representative to the IAEA, Permanent Representative to the CTBTO PrepCom, Permanent Mission of Switzerland, Vienna, Austria *Tomas Bieda, Project Manager,* WINS *Jason Tierney,* NS, IAEA **Moderator, Elena Sokova,** VCDNP
10:15 – 10:30	Break
10:30 – 11:30	**Facilitated Group Discussion** *Elena Sokova,* Executive Director, VCDNP
11:30 – 12:00	**Evaluations and Wrap-Up**
12:00 – 12:15	**Awarding of Certificates**
12:15 – 12:30	End of Course