



OPCW-Asser training programme

**Training Programme on Disarmament and Non-Proliferation  
of Weapons of Mass Destruction**

Final programme, 30 September – 4 October 2019

**Day 1 - General WMD Issues; Nuclear Weapons**

Monday 30 September

8:30 – 9:00	<i>Registration</i>
9:00 – 9:30	<b>Opening &amp; Round of Introductions</b> Deepti Choubey, Head, Public Affairs, OPCW Sico van der Meer, Research Fellow, T.M.C. Asser Instituut & Netherlands Institute of International Relations 'Clingendael'
9:30 – 10:30	<b>Keynote Address by the Director-General of the Organisation for the Prohibition of Chemical Weapons, Ambassador Fernando Arias</b>
10:30 – 10:45	<i>Coffee break</i>
10:45 – 11:45	<b>Weapons of Mass Destruction (WMD) from a Geo-Political Perspective</b> <ul style="list-style-type: none"><li>• The reasons why states pursue WMD;</li><li>• WMDs and the international order;</li><li>• The role of arms control, disarmament and non-proliferation; successes and failures.</li></ul> Sico van der Meer, Research Fellow, T.M.C. Asser Instituut & Netherlands Institute of International Relations 'Clingendael'
11:45 – 12:45	<b>International Law and the Use of Force</b> <ul style="list-style-type: none"><li>• The use of force under international law;</li><li>• Humanitarian intervention;</li><li>• Responsibility to Protect;</li><li>• Case studies.</li></ul> Dr Niels van Willigen, Associate Professor in International Relations, Leiden University
12:45 – 13:45	<i>Lunch</i>

13:45 - 14:45	<b>The Nuclear Non-Proliferation Treaty (NPT)</b> <ul style="list-style-type: none"> <li>• History leading to its adoption;</li> <li>• Three pillars of the NPT;</li> <li>• Review Conferences and 1995 extension;</li> <li>• Current state of play.</li> </ul> <b>Ionut Suseanu</b> , Senior Legal Officer, International Atomic Energy Agency
14:45 - 15:00	<i>Coffee break</i>
15:00 - 16:00	<b>Nuclear Safeguards</b> <ul style="list-style-type: none"> <li>• Various types of safeguard agreements and their progressive development in view of proliferation cases;</li> <li>• State-level approach.</li> </ul> <b>Ionut Suseanu</b> , Senior Legal Officer, International Atomic Energy Agency
16:00 - 16:15	<i>Coffee break</i>
16:15 - 17:15	<b>The Treaty on the Prohibition of Nuclear Weapons (TPNW)</b> <ul style="list-style-type: none"> <li>• Humanitarian Initiative;</li> <li>• UN Open Ended Working Group;</li> <li>• UN negotiations;</li> <li>• Aim and effectiveness of treaty.</li> </ul> <b>Leo Hoffmann-Axthelm</b> , Brussels Representative, International Campaign to Abolish Nuclear Weapons (ICAN)
18:00	<i>Opening Dinner</i>

## Day 2 - Nuclear Weapons

Tuesday 1 October

9:00 - 10:00	<b>The Comprehensive Nuclear Test Ban Treaty</b> <ul style="list-style-type: none"> <li>• History;</li> <li>• International Monitoring System;</li> <li>• Current challenges and policy issues.</li> </ul> <b>Dr Oliver Meier</b> , Deputy Head, International Security Division, German Institute for International and Security Affairs (SWP)
10:00 - 10:15	<i>Coffee break</i>
10:15 - 11:15	<b>US-Russia Relations and Their Effect on International Arms Control</b> <ul style="list-style-type: none"> <li>• New Start Agreement;</li> <li>• Intermediate-Range Nuclear Forces Treaty (INF Treaty)</li> <li>• NATO nuclear deterrent.</li> </ul> <b>Dr Oliver Meier</b> , Deputy Head, International Security Division, German Institute for International and Security Affairs (SWP)

11:15 - 12:15	<b>Artificial Intelligence and WMD: Threats and Opportunities</b> <ul style="list-style-type: none"> <li>• Artificial intelligence;</li> <li>• Risks for WMD command &amp; control systems;</li> <li>• Usefulness for verification of arms control agreements.</li> </ul> <b>Irakli Beridze</b> , Head, Centre for Artificial Intelligence and Robotics, United Nations Interregional Crime and Justice Research Institute (UNICRI)
12:15 - 13:00	<i>Lunch</i>
13:00 - 14:00	<i>Transport to Delft Nuclear Research Reactor</i>
14:00 - 17:30	<b>Field Visit: TU-Delft Nuclear Research Reactor</b> <ul style="list-style-type: none"> <li>• Lecture on nuclear technology for peaceful purposes;</li> <li>• Lecture on nuclear weapon technologies;</li> <li>• Guided tour through nuclear research reactor facility.</li> </ul> Staff, Technical University Delft
17:30 - 18:30	<i>Transport from Delft Nuclear Research Reactor to the Asser Institute</i>

### Day 3 - Biological and Chemical Weapons; Export Controls

Wednesday 2 October

9:00 - 10:30	<b>The Biological Weapons Convention</b> <ul style="list-style-type: none"> <li>• Treaty, regulations, codes of conduct;</li> <li>• The Implementation Support Unit;</li> <li>• Intersessional meetings;</li> <li>• Current challenges and policy issues.</li> </ul> <b>Dr Gunnar Jeremias</b> , Head, Research Group for Biological Arms Control, University of Hamburg
10.30 - 10.45	<i>Coffee break</i>
10:45 - 12:30	<b>Scientific and Technological Developments: Biological and Chemical Disarmament in a Technologically Evolving World</b> <ul style="list-style-type: none"> <li>• Scientific developments and security concerns;</li> <li>• Technology developments and their driving forces;</li> <li>• Converging sciences;</li> <li>• Opportunities and challenges.</li> </ul> <b>Dr Jonathan Forman</b> , Science Policy Advisor, OPCW
12:30 - 13:30	<i>Lunch</i>
13:30 - 14:45	<b>Export Control Regimes</b> <ul style="list-style-type: none"> <li>• Nuclear Suppliers Group;</li> <li>• Zangger Committee;</li> <li>• Missile Technology Control Regime;</li> <li>• Wassenaar Agreement;</li> <li>• Australia Group.</li> </ul> <b>Ian Stewart</b> , Senior Researcher, King's College London

14:45 – 15:00	<i>Coffee break</i>
15:00 – 17:00	<b>Simulation Exercise on Export Controls</b> Ian Stewart, Senior Researcher, King's College London
17:00 – 18:00	Facultative: <b>Professional opportunities in the sphere of WMD</b> Steven Danilewicz, Head, Talent Management, OPCW

## Day 4 - Chemical Weapons

Thursday 3 October

9:00 – 9:30	<i>Welcome in OPCW building, small tour through main halls.</i> OPCW Staff
9:30 – 10:30	<b>The Chemical Weapons Convention</b> <ul style="list-style-type: none"> <li>• History leading to its adoption;</li> <li>• Main pillars of the CWC;</li> <li>• New and emerging challenges;</li> <li>• Transition from disarmament to preventing re-emergence.</li> </ul> Kai Chen, Director of External Relations Division, OPCW
10:30 – 10:45	<i>Coffee break</i>
10:45 – 11:45	<b>The OPCW: Mechanism of Verification – from Declarations to Inspection</b> <ul style="list-style-type: none"> <li>• Obligation of state parties;</li> <li>• Verification by the OPCW: three types of inspections;</li> <li>• Addressing non-compliance.</li> </ul> Larry Denyer, Head, Industry Verification Branch, OPCW
11:45 – 12:45	<b>Chemical Terrorism: Threat and Response</b> <ul style="list-style-type: none"> <li>• Addressing the threat of non-State actors</li> <li>• OPCW assistance mechanisms</li> </ul> Joseph Ballard, Senior Policy Officer, OPCW
12:45 – 13:45	<i>Lunch</i>
13:45 – 14:30	<b>The OPCW Investigation and Identification Team (IIT)</b> <ul style="list-style-type: none"> <li>• Mandate and working methods</li> </ul> Santiago Oñate, Head, Investigation and Identification Team, OPCW
14:30 – 15:15	<i>Travel from OPCW HQ to OPCW Laboratory and Equipment Store</i>
15:15 – 17:00	<b>Field Visit: OPCW Laboratory and Equipment Store in Rijswijk</b> OPCW Laboratory and Equipment Store Staff
17:00 – 17:45	<i>Travel from OPCW Laboratory and Equipment Store to the Asser Institute</i>

## Day 5 - Current Challenges

Friday 4 October

9:00 – 10:00	<b>The Chemical Weapons Convention in Practice: Case Study on Syria</b> <ul style="list-style-type: none"><li>• Chemical weapons use in Syria;</li><li>• OPCW and UN activities;</li><li>• Polarisation and its effects on the multilateral system.</li></ul> <b>Dr Ralf Trapp</b> , Independent Arms Control Consultant
10:00 – 10:15	<i>Coffee Break</i>
10:15 – 11:15	<b>When Non-Proliferation Fails: Case Study on North Korea</b> <ul style="list-style-type: none"><li>• Motivations behind North Korea's WMD;</li><li>• Non-proliferation efforts and why they failed for decades;</li><li>• Prospects for the future.</li></ul> <b>Sico van der Meer</b> , Research Fellow, T.M.C. Asser Instituut & Netherlands Institute of International Relations 'Clingendael'
11:15 – 12:15	<b>Iran and Nuclear Weapons: What Is Next?</b> <ul style="list-style-type: none"><li>• Iran's nuclear programme</li><li>• Joint Comprehensive Plan of Action (JCPOA)</li><li>• US sanctions</li><li>• Role of the IAEA</li></ul> <b>Dr Aniseh Bassiri Tabrizi</b> , Research Fellow, Royal United Services Institute for Defence and Security Studies (RUSI)
12:15 - 13:15	<i>Lunch</i>
13:15 - 15:15	<b>The Future of WMD Disarmament and Non-Proliferation (Panel Discussion)</b> <ul style="list-style-type: none"><li>-<b>Deepti Choubey</b>, Head, Public Affairs, OPCW</li><li>-<b>Marjolijn van Deelen</b>, Head Non-Proliferation &amp; Disarmament, Netherlands Ministry of Foreign Affairs</li><li>-<b>Susi Snyder</b>, Head, Nuclear Disarmament Team, PAX</li><li>-<b>Dr Aniseh Bassiri Tabrizi</b>, Research Fellow, Royal United Services Institute for Defence and Security Studies (RUSI)</li><li>- <b>Moderator: Sico van der Meer</b></li></ul>
15:15 - 15:30	<i>Coffee break</i>
15:30 – 16:30	<b>Programme Summary and Evaluation</b> Asser Institute Staff
16:30 – 18:00	<b>Closing Reception</b> <ul style="list-style-type: none"><li>• Remarks by the Deputy Director-General of the Organisation for the Prohibition of Chemical Weapons;</li><li>• Certificate ceremony</li></ul> <b>Odette Melono</b> , Deputy Director-General, OPCW