



OPCW-Asser summer programme

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

Preliminary programme, 30 September – 4 October July 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><br>Deepti Choubey, Head, Public Affairs, OPCW<br>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> TBA   |
| 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> TBA   |

|               |   |
|---------------|---|
| 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><br><b>Ian Stewart</b> , Senior Researcher, King's College London  |
| 17:00 - 18:00 | Facultative:<br><b>Professional opportunities in the sphere of WMD</b><br><b>Steven Danilewicz</b> , 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><br>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> <b>Valerie Snow</b> , Acting Head, Political Affairs Branch, 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> <b>Larry Denyer</b> , 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> <b>Joseph Ballard</b> , Senior Policy Officer, OPCW   |
| 12:45 – 13:45 | <i>Lunch</i>  |
| 13:45 – 14:30 | <i>Travel from OPCW HQ to OPCW Laboratory and Equipment Store</i>   |
| 14:30 – 17:00 | <b>Field Visit: OPCW Laboratory and Equipment Store in Rijswijk</b><br>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>Dr Aniseh Bassiri Tabrizi</b>, Research Fellow, Royal United Services Institute for Defence and Security Studies (RUSI)</li> <li>-TBA</li> </ul> |
| 15:15 - 15:30 | <i>Coffee break</i>  |
| 15:30 – 16:30 | <b>Programme Summary and Evaluation</b><br>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  |