Vienna Conference on the Humanitarian Impact of Nuclear Weapons
8 and 9 December 2014 in the Hofburg Palace Vienna, Austria

Program

Sunday, 7 December 2014

10.00 am – 6.00 pm  Pre-registration of Participants at the Conference Venue

Monday, 8 December 2014

8.30– 10.00 am  Registration of Participants at the Conference Venue

10.00 – 11.00 am  Opening Ceremony

Sebastian Kurz, Federal Minister for Europe, Integration and Foreign Affairs of Austria;

Message by the Secretary General of the United Nations Ban Ki-moon, delivered by Angela Kane, United Nations High Representative for Disarmament;

Peter Maurer, President of the International Committee of the Red Cross;

Setsuko Thurlow, Hibakusha Stories, Hiroshima Peace Ambassador and Survivor of the atomic bomb explosion on 6 August 1945;

Message by His Holiness Pope Francis, delivered by Archbishop Silvano Maria Tomasi, Apostolic Nuncio, Permanent Observer of Holy See to the United Nations in Geneva.

11.00 am – 1.00 pm  Session I – Impact of Nuclear Weapons Explosions

This session will further address the short and long-term consequences of nuclear weapons explosions, especially in the areas of health, environment, climate, food security, and infrastructure, and the potential interaction of these consequences. The second part of this session will put a specific focus on the impacts of nuclear tests.

11.00 am – 12.00  Session I a - Impact of Nuclear Weapons Explosions

- **War of Human Consequences: Health Consequences of the use of nuclear weapons**
  Mary Olson, Senior Radioactive Waste Policy Specialist with Nuclear Information and Resource Service (NIRS)

- **Global Famine after a Regional Nuclear War: Overview of recent Research**
  Dr. Michael J. Mills, National Centre for Atmospheric Research

- **Calculating the Effects of a Nuclear Explosion at a European Military Base**
  Matthew McKinzie Ph.D., Natural Resources Defense Council (NRDC)

**12.00 – 1.00 pm Session I b – Impact of Nuclear Testing**

Co-Chairs: Christine Stix-Hackl, Ambassador and Permanent Representative of Austria to the United Nations Office in Vienna and Alfredo Labbé Villa, Ambassador, Director General for Foreign Policy at the Ministry for External Relations of Chile

- **Overview of the History of Nuclear Testing 1945 until today**
  Martin Kalinowski Ph.D., Chief, Capacity Building and Training Section, International Data Centre Division, CTBTO Preparatory Commission

- **Human Consequences: Testimonials on the health, environmental, socio-economic and cultural impact of nuclear tests**
  - Abacca Anjain-Maddison, Republic of the Marshall Islands,
  - Michelle Thomas, HEAL Utah, U.S.A. and
  - Sue Coleman-Haseldine (Australia)

- **Assessing the Harm from Nuclear Weapons Testing and Production**
  Arjun Makhijani Ph.D. Institute for Energy and Environmental Research

Expert presentations of Sessions I a and I b are followed by Q&A and interactive debate¹.

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¹ Participants are kindly encouraged to profit from the interactive format of the Q&A session, and not to make statements of a general or political nature.
1.00 – 2.30 pm  Lunch

1.30 – 2.30 pm  Side Event - Nuclear Weapons and the Moral Compass
(Rittersaal)  Hosted by the Permanent Mission of the Philippines and the Global Security Institute

2.45 – 4.15 pm  Session II – Risk Drivers for deliberate or inadvertent Nuclear Weapons Use

This session will further address the range of human and technical factors that could lead to the explosion of (a) nuclear weapon(s), such as human error, negligence, miscalculation, miscommunication, technical faults, risk calculation, vulnerability and cyber security.


➢ The Most Dangerous Machines
  Eric Schlosser, author of “Command and Control: Nuclear Weapons, the Damascus Accident, and the Illusion of Safety”

➢ Risk from Nuclear Weapons Use: A System’s Perspective
  Reinhard Mechler, International Institute for Applied Systems Analysis and Vienna University of Economics

➢ Cyber risks in securing nuclear weapons from unauthorized or inadvertent use
  Camille M. Francois; Harvard Law School Berkman Center for Internet & Society and Columbia University Arnold A. Saltzman Institute for War and Peace Studies

➢ What is the Risk of Nuclear War?
  Seth Baum, Global Catastrophic Risk Institute

➢ Lowering the Nuclear Threshold: The Dangerous Evolution of World Nuclear Arsenals toward Far-Flung Dispersal, Hair-Trigger Launch Readiness, and First Use Doctrines
  Bruce Blair, Global Zero and Princeton University research faculty in the Program on Science and Global Security

Expert presentations are followed by Q&A and interactive debate
4.15 – 4.45 pm  Coffee Break

4.45 – 6.15 pm  Session III – Scenarios, Challenges and Capabilities regarding Nuclear Weapons Use and other events

This session will address possible scenarios of nuclear weapons use/explosions, as well as explosions of radiological devices. Response plans and challenges of the international system as and implications for States will be discussed.

Co-Chairs: Taous Feroukhi, Ambassador, Director General of Political Affairs and International Security, Ministry for Foreign Affairs of Algeria and Alexander Kmentt, Ambassador, Director for Disarmament, Arms Control and Non-Proliferation, Ministry for Europe, Integration and Foreign Affairs of Austria.

➢ Nuclear Deterrence, Nuclear War Planning, and Scenarios of Nuclear Conflict
   Matthew McKinzie, Ph.D., Lands and Wildlife Program Natural Resources Defense Council and Hans M. Kristensen, Director of the Nuclear Information Project at the Federation of American Scientists in Washington

➢ Preventing and Preparing for a Nuclear Explosion
   Micah D. Lowenthal, Ph.D., National Academy of Sciences

➢ South Africa’s National Response Capabilities in Managing Significant and Major Events
   Mark Pillay, Colonel in the South African Police Service

➢ Responding to the humanitarian consequences of nuclear weapon use in populated areas
   Rudolph Mueller; Office for the Coordination of Humanitarian Affairs, Geneva

Expert presentations are followed by Q&A and interactive debate

6.15 – 8.00 pm  Reception for all Participants at the Conference Venue
Hosted by the Federal Ministry for Europe, Integration and Foreign Affairs of Austria

8.45 – 10.30 pm  Pre-Screening of the Documentary Movie –
(Gartenbaukino) The Man Who Saved the World
Courtesy of Light Cone Pictures and Statement Films

Bus transport to the Gartenbau Movie Theatre will be provided for conference delegates at 7.45 pm outside the conference premises.
Tuesday, 9 December 2014

9.30 – 11:00 am  Session IV - A “bird’s-eye view” on International Norms and the Humanitarian Impact of Nuclear Weapons

This session will provide an overview of the norms under existing international law pertaining to the humanitarian consequences of nuclear weapons explosions, in particular regarding the environment and health, as well as a discussion of international humanitarian law and the humanitarian dimension in existing disarmament, arms control and non-proliferation instruments.

Co-Chairs: Dell Higie, Ambassador for Disarmament of New Zealand and Helmut Tichy, Ambassador, Legal Advisor, Ministry for Europe, Integration and Foreign Affairs of Austria.

➢ Nuclear Weapons and International Environmental Law
   Dr. Jorge Vinuales, University of Cambridge

➢ Nuclear weapons and International Health Law
   Steven A. Solomon is currently Acting Legal Counsel at the World Health Organization (WHO) in Geneva

➢ The use of nuclear weapons and international humanitarian law
   Dr. Helen Durham, International Committee of the Red Cross

➢ The humanitarian origins of international law regulating arms
   Dr. Gro Nystuen, International Law and Policy Institute

➢ The fundamental ethical and moral principles on which international legal regulations of nuclear weapons are based
   Nobuo Hayashi, University of Oslo

Expert presentations are followed by Q&A and interactive debate

11.00 – 11.30 am  Coffee Break

11.30 am– 1:00 pm  Discussion / General Debate

Delegations will have the opportunity to take the floor for more general contributions to the debate.
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<td>1.00 – 2.30 pm</td>
<td>Lunch</td>
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<tr>
<td>1.30 – 2.30 pm</td>
<td><strong>Side Event – Elected Representatives and the Humanitarian Initiative</strong>&lt;br&gt;Hosted by the International Campaign to Abolish Nuclear Weapons</td>
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<td>2.30 – 4.00 pm</td>
<td>Discussion / General Debate continued</td>
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<td>6.00 - 6.15 pm</td>
<td>Short Break</td>
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<td>6.15 pm</td>
<td><strong>Closing Session – Presentation of Chair’s Summary</strong></td>
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<td>Sebastian Kurz, Federal Minister for Europe, Integration and Foreign Affairs of Austria will present the summary of the proceedings and discussions in the form of a chair’s summary under his personal responsibility.</td>
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<td>6.30 pm</td>
<td>Conference ends</td>
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