

## **CTBT Public Policy Course: Verification through Diplomacy and Science**

1 – 9 September 2014  
Vienna International Centre Boardroom C  
Vienna, Austria

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### **Monday 1 September**

- 10:30 – 10:45      **Opening and Welcome Remarks**
- Jean du Preez, *Chief, External Relations and International Cooperation Section, LEG/REL, CTBTO*
  - Caroline Cliff, *Head of UN Section – Minister, Delegation of the European Union to the International Organisations in Vienna*
- 10:45 – 11:15      **Address by the Executive Secretary**
- 11:15 – 12:00      **Keynote Speaker**
- Lord Des Browne, *Vice Chairman, Nuclear Threat Initiative, former Defence Secretary of the United Kingdom and member of the Group of Eminent Persons (GEM)*
- Break
- 12:15 – 13:00      **Keynote Speaker**
- Dr Paul Richards, *Professor Emeritus and Special Research Scientist, Lamont-Doherty Earth Observatory of Columbia University*
- 13:00                **Photograph for Course Participants**
- 13:00 – 14:30      **Lunch**

14:30 – 16:00 **Panel Discussion - The CTBT, Norm Evolution and International Law**

**Moderator:** Jean du Preez, *Chief, External Relations and International Cooperation Section, LEG/REL, CTBTO*

**Panellists**

- Lord Des Browne, *Vice Chairman, Nuclear Threat Initiative, former Defence Secretary of the United Kingdom and member of the Group of Eminent Persons (GEM)*
- Ambassador Don MacKay, *former Permanent Representative of New Zealand to the United Nations in Geneva*
- Dr Rebecca Johnson, *Executive Director, Acronym Institute*

Break

16:30 – 18:00 **Panel Discussion - Future of Disarmament and Arms Control: Verification, CTBT and Beyond**

**Moderator:** Dr Nikolai Sokov, *Senior Fellow, VCDNP*

**Panellists**

- Dr Pierce Corden, *Visiting Scholar, AAAS*
- Dr Edward Levine, *former Professional Staff to the Senate Select Committee on Intelligence (1976-1997) and the Senate Foreign Relations Committee (1997-2011), member of the Center for Arms Control and Non-Proliferation's National Advisory Board*
- Andreas Persbo, *Executive Director, VERTIC*

18:00 – 18:15 **Simulation Briefing**

**Tuesday 2 September**

9:00 – 10:00 **Overview of the CTBT and role in the NPD Regime**

- Jean du Preez, *Chief, External Relations and International Cooperation Section, LEG/REL, CTBTO*

10:00 – 11:30

**Panel Discussion - Challenges of Achieving Entry into Force: Panel Discussion with Breakout Sessions**

**Moderator:** Dr Edward Levine, *former Professional Staff to the Senate Select Committee on Intelligence (1976-1997) and the Senate Foreign Relations Committee (1997-2011), member of the Center for Arms Control and Non-Proliferation's National Advisory Board*

**Panellists**

- Ambassador Merav Zafary-Odiz, *Permanent Representative of Israel*
- Ambassador Balázs Csuday *Permanent Representative of Hungary, Article XIV Co-Chair*
- Ambassador Rachmat Budiman, *Permanent Representative of Indonesia, Article XIV Co-Chair*
- Thomas Hushek, *Deputy Chief of Mission, United States of America*

11:45 – 13:15

**Panel Discussion - Lessons from the Past: Consequences of Nuclear Testing**

**Moderator:** Dr Pierce Corden, *Visiting Scholar, AAAS*

**Panellists**

- Ambassador Don MacKay, *former Permanent Representative of New Zealand to the United Nations in Geneva*
- Dr Rebecca Johnson, *Executive Director, Acronym Institute*
- Dr Roman Vakulchuk, *Senior Research Fellow, Norwegian Institute of International Affairs*

13:15 – 14:15

**Lunch**

14:15 – 15:30

**Role of the Preparatory Commission and the Future Executive Council**

- Ambassador Selwyn Vijayarajan Das, *Permanent Representative of Malaysia to the United Nations (Vienna), UNIDO, CTBTO and IAEA*
- Bozorgmehr Ziaran, *Secretary of the Preparatory Commission, CTBTO*

Break

16:00 – 18:00

**Implementing Treaty obligations and the role of the National Authority**

**Moderator:** Diana Ballestas de Dietrich, *Legal Officer, Legal Services Section, LEG/REL, CTBTO*

**a) Treaty obligations and implementation requirements from a practical perspective**

- Natalie Brely, *Chief, Monitoring Facilities Support Section, IMS, CTBTO*

**b) National perspective on measures to ensure efficiency**

- Ambassador Samuel M. Gitonga, *Ambassador/Deputy Representative of the Embassy/Permanent Mission of the Republic of Kenya*
- Ichitomo Taninai, *Counsellor of the Permanent Mission of Japan*
- Natalia Ferro, *Officer, Nuclear Regulatory Authority of the Republic of Argentina*

**c) OPCW: Lessons learned for effective treaty implementation**

- Mark Albon, *Director, International Cooperation and Assistance, OPCW*

**Wednesday 3 September**

9:00 – 10:30

**ABCs of Nuclear Testing**

- Robert Kelley, *Associated Senior Research Fellow, SIPRI*

**Commentator:** Dr Pierce Corden, *Visiting Scholar, AAAS*

Break

11:00 – 13:00 **Panel Discussion - Technical and Political Drivers of Nuclear Testing: Case Studies from Northeast Asia and South Asia**

**Moderator:** Dr Pierce Corden, *Visiting Scholar, AAAS*

**Panellists**

- Dr Daniel Pinkston, *Deputy Project Director, International Crisis Group*
- Robert Kelley, *Associated Senior Research Fellow, SIPRI*
- Dr Bharath Gopaldaswamy, *Deputy Director, South Asia Centre, Atlantic Council*

13:00 – 14:30 **Lunch and tours of PTS facilities**

14:30 – 15:30 **Evolution of seismic monitoring, future techniques and technologies**

- Dr Paul Richards, *Professor Emeritus and Special Research Scientist, Lamont-Doherty Earth Observatory of Columbia University*

16:00 – 18:00 **Case Studies and civil/scientific applications**

**a) DPRK Announced Nuclear Tests**

- Dr Jerry Carter, *Senior Performance Monitoring Officer, Office of the Director, IDC, CTBTO*

**b) Tsunami Warning and other Civil and Scientific Applications**

- Dr Pierrick Mialle, *Acoustic Officer, Software Applications Section, IDC, CTBTO*

**c) IMS radionuclide observations for civil applications taking the Daiichi Nuclear Power Plant Accident in Fukushima as example**

- Matthias Auer, *Project Manager Radionuclide, Engineering and Development Section, IMS, CTBTO*

## Thursday 4 September

9:00 – 11:00

### **Role of Member States in Verifying the Treaty:**

**Moderator:** Dr Jerry Carter, *Senior Performance Monitoring Officer, Office of the Director, IDC, CTBTO*

**a) IMS/IDC Overview: Access to data and products for National Data Centres**

- Dr Jerry Carter, *Senior Performance Monitoring Officer, Office of the Director, IDC, CTBTO*

**b) PTS technical assistance to Member States**

- Dale Roblin, *Services Officer, Capacity Building and Training Section, IDC, CTBTO*

**c) National preparedness and role of NDC**

- Nicolai Gestermann, *Federal Institute for Geosciences and Natural Resources, Hannover, Germany.*

**d) Role of NTM and the public**

- Dr Paul Richards, *Professor Emeritus and Special Research Scientist, Lamont-Doherty Earth Observatory of Columbia University*

### Break

11:30 – 12:30

### **Technology Forecast and Sustainability of the Verification Regime**

- Randy Bell, *Director, International Data Centre Division, CTBTO*

12:30 – 14:00

### **Lunch and tours of PTS facilities**

14:00 – 16:00

### **Practical Observation of Data Analysts:**

**a) Waveform**

- Dr Paulina Bittner, *Lead Analyst, Monitoring and Data Analysis Section, IDC, CTBTO*

**b) Radionuclide**

- Michael Phillips, *Radionuclide Analyst Trainer, Capacity Building and Training Section, IDC, CTBTO*

**c) Atmospheric Transport Modelling**

- Jolanta Kusmierczyk-Michulec, *Atmospheric Sciences Officer, Software Applications Section, IDC, CTBTO*

Break

16:30 – 17:30

**New Verification Technologies**

- Tamara Patton, *Research Associate, VCDNP*

17:30 – 18:00

**Simulation Briefing**

**Friday 5 September**

9:00 – 10:10

**OSI: Introduction and Overview**

- a) Welcoming remarks
  - Ron Gavish, *Chief, Training Section, OSI, CTBTO*
- b) *OSI Quiz*
  - Ron Gavish, *Chief, Training Section, OSI, CTBTO*
  - Misrak Fisseha, *Training Officer, Training Section, OSI, CTBTO*
- c) OSI verification elements
  - Matjaz Prah, *Coordinator, Office of the Director, OSI, CTBTO*

10:15 – 11:00

**Panel Discussion - OSI Regime Implementation Challenges – Treaty and Protocol Issues**

**Moderator:** Ron Gavish, *Chief, Training Section, OSI, CTBTO*

**Panellists**

- Matjaz Prah, *Coordinator, Office of the Director, OSI, CTBTO*
- Gordon Macleod, *Chief, Policy Planning and Operations Section, OSI, CTBTO*
- Dr Bela Balczo, *Chief, Logistics and Operations Support Section, OSI, CTBTO*
- Dr Hongmei Deng, *Chief, Documentation Section, OSI, CTBTO*
- Gregor Malich, *Chief, Equipment and Implementation Section, OSI, CTBTO*

Break

11:15 – 11:45 **OSI Training and How to Become a “Surrogate” Inspector**

- Ron Gavish, *Chief, Training Section, OSI, CTBTO*

11:45 – 13:00 **Introduction to Point of Entry (POE), Table Top Exercise (TTE)**

- a) Introduction: Matjaz Prah, *Coordinator, Office of the Director, OSI, CTBTO*
- b) Table Top Exercise Overview Presentation, Ron Gavish, *Chief, Training Section, OSI, CTBTO*
- c) Video: An on-site inspection – How it all starts
- d) Preparation/Room Allocation

13:00 – 14:00 **Lunch**

14:00 – 15:45 **Table Top Exercise**

- a) Point of Entry Procedures
- b) Reporting/debriefing on TTE

Break

16:00 – 16:30 **IFE14**

- Gordon Macleod, *Chief, Policy Planning and Operations Section, OSI, CTBTO*

16:30 – 16:45 **OSI Quiz**

- Ron Gavish, *Chief, Training Section, OSI, CTBTO*
- Misrak Fisseha, *Training Officer, Training Section, OSI, CTBTO*

16:45 – 17:20 **Panel Discussion - Meet OSI Experts Q&A: How to get involved, support and join OSI activities**

**Moderator:** Ron Gavish, *Chief, Training Section, OSI, CTBTO*

**Panellists**

- Matjaz Prah, *Coordinator, Office of the Director, OSI, CTBTO*



- Gordon Macleod, *Chief, Policy Planning and Operations Section, OSI, CTBTO*
- Dr Bela Balczo, *Chief, Logistics and Operations Support Section, OSI, CTBTO*
- Dr Hongmei Deng, *Chief, Documentation Section, OSI, CTBTO*
- Gregor Malich, *Chief, Equipment and Implementation Section, OSI, CTBTO*

17:20 – 17:25

**Closing Remarks**

- Ron Gavish, *Chief, Training Section, OSI, CTBTO*

17:40 – 18:00

**Introduction to Executive Council Simulation**

**Monday 8 September**

**Executive Council Simulation**

10:00 – 13:00

**Plenary Session 1**

13:00 – 14:30

**Lunch**

14:30 – 18:00

**Plenary Session 2**

**Tuesday 9 September**

10:00 – 13:00

**Plenary Session 3**

13:00 – 14:30

**Lunch**

14:30 – 17:00

**Plenary Session 4 and Conclusion of Simulation**

17:10 – 17:45

**Wrap-up Session and Discussion on the Course and Simulation**

17:45

**Closing Remarks**

- Genxin Li, *Director, Legal and External Relations Division, CTBTO*