

PROVISIONAL AGENDA

Advanced Science Course

Around the Globe and Around the Clock: The Science and Technology of the CTBT

12-23 November 2012

	Monday, 12 November, M3	Tuesday, 13 November, M3	Wednesday, 14 November, M3	Thursday, 15 November, M3	Friday, 16 November, M1 <i>Science for Peace: Applying Technical Expertise to Emerging Security Challenges</i>
Morning Session	<p><u>09.30 – 09.40</u> Welcoming Remarks (Genxin LI)</p> <p><u>09.40-10.30</u> Political Framework of the CTBT and Prospects for Entry-into-Force (Jean DU PREEZ)</p> <p><u>Break</u></p> <p><u>10.45 – 11.45</u> Multilateral Verification Technologies (Ferenc DALNOKI-VERESS)</p> <p><u>11.45 – 12.45</u> History of the CTBT Verification Regime (Pierce CORDEN)</p>	<p><u>09.00 – 10.00</u> Hydroacoustic Monitoring Technologies (Wolfgang JANS)</p> <p><u>10.00 – 11.00</u> Radionuclide and Noble Gas Monitoring Technologies (Anders RINGBOM)</p> <p><u>Break</u></p> <p><u>11.15 – 12.15</u> Establishing, Operating and Maintaining IMS Stations (Natalie BRELY)</p> <p><u>12.15 – 13.15</u> Utilizing IMS Data: National Perspectives (Gerhard GRAHAM, Gerhard WOTAWA)</p>	<p><u>9.00 – 10.00</u> Informal Discussions with Experts</p> <p><u>10.00 – 11.00</u> Science, Technology and International Security Policy (Adam STULBERG)</p> <p><u>Break</u></p> <p><u>11.15 – 12.15</u> Radionuclide and Noble Gas Data Processing and Analysis (Ulrich STOEHLKER)</p> <p><u>12.15 – 13.15</u> Atmospheric Transport Modeling and Data Fusion (Monika KRYSTA)</p>	<p><u>9.00 – 10.00</u> Informal Discussions with Experts</p> <p><u>10.00 – 11.00</u> Advances in Network Performance Monitoring and Modeling (Jerry CARTER)</p> <p><u>11.00 – 12.00</u> Practical Application of the CTBT Verification Regime: The 2006 and 2009 DPRK Events (Robert PEARCE)</p> <p><u>Break</u></p> <p><u>12.15 – 13.15</u> Scientific Keynote The Past, Present and Future of Seismic Nuclear Test Monitoring: Achievements and Challenges (Paul RICHARDS)</p>	<p><u>09.00 – 09.45</u> Keynote lecture Executive Secretary Tibor Tóth</p> <p><u>09.45 – 09.50</u> Welcoming Message Kristian ODEGAARD</p> <p><u>09.50 – 10.50</u> Keynote Address Ambassador Linton BROOKS</p> <p><u>Break</u></p> <p><u>11.00 – 12.15</u> Panel on Ethics and Science (Moderator: Bob FRYE, Wendy WATSON-WRIGHT, Konrad OSTERWALDER, Pierce CORDEN)</p>
	Lunch	Lunch Tour of Rooftop Radionuclide Station (Robert WERZI) 13.15: Group 1, 14.00: Group 2	Lunch Tour of Rooftop Radionuclide Station (Robert WERZI) 13.15: Group 3, 14.00 Group 4	Lunch Reception and Presentation: The World Economic Forum's Global Risks 2012 Report by Mr W Lee Howell, Managing Director 12.15-14.00	
Afternoon Session	<p><u>14.15 – 15.15</u> Overview of Nuclear Physics, Weapons Technology & Testing and Development of Nuclear Weapons (Ferenc DALNOKI-VERESS)</p> <p><u>15.15 – 16.15</u> Seismic Monitoring Technologies (Gerhard GRAHAM)</p> <p><u>Break</u></p> <p><u>16.30 – 17.30</u> Infrasound Monitoring Technologies (Elisabeth BLANC)</p>	<p><u>14.45 – 15.45</u> Global Communications Infrastructure (Fernando ARAUJO)</p> <p><u>Break</u></p> <p><u>16.00 – 17.00</u> Waveform Analysis (Jerry CARTER)</p>	<p><u>14.30 – 15.30</u> IDC Data Processing and Data Products (Peder JOHANSSON)</p> <p><u>15.30 – 16.30</u> Observation of IDC Analysts / Tours of Operations Centre - Session 1 (Group 1 with Ezekiel JONATHAN, Group 2 with Xuhui WANG, Group 3 with Enrique CASTILLO)</p> <p><u>16.30 – 17.30</u> Observation of IDC Analysts / Tours of Operations Centre - Session 2 (Group 3 with Ezekiel JONATHAN, Group 1 with Xuhui WANG , Group 2 with Enrique CASTILLO)</p>	<p><u>14.45 – 16.00</u> Technology Foresight and Management and Science and Technology 2013 (Discussants: Patrick NOACK, Jerry CARTER, Randy BELL)</p> <p><u>16.00 – 17.00</u> Observation of IDC Analysts / Tours of Operations Centre - Session 3 (Group 2 with Ezekiel JONATHAN, Group 3 with Carla PIRES , Group 1 with Enrique CASTILLO)</p>	<p><u>14:15 – 15.45</u> Panel on Nexus Between Science And Verification (Moderator: Andreas PERSBO, Paul RICHARDS, Svein MYKKELTVEIT, Randy BELL)</p> <p><u>Break</u></p> <p><u>16.00– 17.30</u> Panel on Science and Strategic Stability (Moderator: Paul KERR, Linton BROOKS, Nikolai SOKOV)</p>

PROVISIONAL AGENDA

	Monday, 19 November, Press Room	Tuesday, 20 November, Press Room	Wednesday, 21 November, Press Room	Thursday, 22 November, Press Room	Friday, 23 November, Press Room
Morning Session	<p><u>09.00 – 10.00</u> Informal Discussions with Experts</p> <p><u>10.00 – 11.00</u> Overview of Potential Civil and Scientific Applications of Monitoring Technologies (Remmy L. PHIRI)</p> <p><u>Break</u></p> <p><u>11.15 – 12.00</u> Scientific Keynote CTBTO Tsunami Warning: Cooperation with UNESCO (Wendy WATSON-WRIGHT)</p> <p><u>12.00 – 12.30</u> National Perspectives: Tsunami Warning Participating States</p>	<p><u>09.30 – 09.45</u> Opening and Outline of the OSI Module (Oleg ROZHKOVA, Ron GAVISH)</p> <p><u>09.45 – 10.30</u> On-Site Inspection According To CTBTO Verification Regime - Treaty Provisions (Matjaz PRAH)</p> <p><u>10.30 – 11.15</u> Signatures of UNE – VOB & RN (Gordon MACLEOD)</p> <p><u>Break</u></p> <p><u>11.30 – 12.15</u> Signatures of UNE – Geological and Hydrological (Luis GAYA-PIQUE)</p>	<p><u>09.30 – 10.15</u> Inspection Team Functionality and Search Logic (Luis GAYA-PIQUE)</p> <p><u>10.15 – 11.00</u> OSI Equipment - Purchase Process, Custody of TS, Calibration (Rainier ARNDT)</p> <p><u>Break</u></p> <p><u>11.15 – 12.00</u> Elements of OSI Logistics and Operational Support - ESMF, BOO, IA (Bela BALCZO)</p> <p><u>12.00 – 12.30</u> OSI Readiness (Matjaz PRAH)</p>	<p><u>09.30 – 10.15</u> OSI Since 1997 - Study of Inspection Phases (Oleg ROZHKOVA or Matjaz PRAH)</p> <p><u>10.15 – 11.00</u> Have you seen a cavity? OSI Challenges (Mordechai MELAMUD)</p> <p><u>Break</u></p> <p><u>11.15 – 11.45</u> CTBT OSI in Comparison with Inspection Regimes Under Other Treaties (Ron GAVISH)</p> <p><u>11.45 – 12.30</u> OSI Implementation Challenges: IFEs Experience, Concept of Build Up Exercises - Activities and Way Ahead (Gordon MACLEOD)</p>	<p><u>09.30 – 10.00</u> Final preparations by teams</p> <p><u>10.00 – 12.30</u> OSI TTE (including breaks)</p>
	Lunch	Lunch	Early lunch. Organized transport to ESMF at 13:15	Lunch	Lunch
Afternoon Session	<p><u>14.00 – 15.00</u> CTBTO Response to Great East Japan Earthquake, Tsunami and Fukushima Nuclear Power Plant Accident (Mark PRIOR)</p> <p><u>15.00 – 16.00</u> Panel on Lessons Learned from The Fukushima Nuclear Accident (Lyndon BEVINGTON, Eileen RADDE)</p>	<p><u>13.15 – 14.00</u> OSI Core Techniques: Initial Period (Mordechai MELAMUD)</p> <p><u>14.00 – 15.00</u> OSI Core Techniques: Continuation Period (Luis GAYA-PIQUE)</p> <p><u>15.00 – 15.30</u> IFE08 Movie</p> <p><u>Break</u></p> <p><u>15.45 – 16.30</u> OSI Data Flow and Treatment (FIMS & IIMS) - OSI Engine for Synergy, Archive and Confidentiality (Peter LABAK, Ashraf ABUSHADY)</p> <p><u>16.30 – 17.15</u> OSI Documentation - Manuals, Sops and OM - Documentation Development for Field Functionality (Hongmei DENG)</p> <p><u>17.15 – 18.00</u> Meet the experts: “OSI Regime Implementation Challenges - Treaty and Protocol Issues” (Panelists: Director, Coordinator and Section Chiefs)</p>	<p><u>14.30 – 16.00</u> Guided tour of ESMF (Bela BALCZO and Team)</p> <p><u>16.00 – 17.30</u> OSI Equipment Demo (Rainier ARNDT and Team)</p> <p><u>17.30-18:30</u> Return from ESMF</p>	<p><u>13.30 – 14.00</u> Build Up Exercise 1 Movie</p> <p><u>14.00 – 14.45</u> OSI Division Structure, Tasks, People, Budgets and its Place in the PTS (Matjaz PRAH)</p> <p><u>14.45 – 15.45</u> OSI Quiz (Andrea MILIC, Luis GAYA-PIQUE)</p> <p><u>Break</u></p> <p><u>16.00 – 16.45</u> Meet the experts: “OSI techniques and technologies, application challenges” (Panelists: Director, Coordinator and Section Chiefs)</p> <p><u>16.45 – 17.30</u> Distribution of TTE material and preparations of teams</p>	<p><u>13.30 – 14.00</u> TTE continues (as needed)</p> <p><u>14.00 – 14.45</u> Debrief in Plenary</p> <p><u>Break</u></p> <p><u>15.00 – 15.45</u> OSI Inspectorate (Inc. Training Programme), Approaches and Lessons Learnt (Ron GAVISH)</p> <p><u>15.45 – 16.15</u> AC2TC Movie</p> <p><u>16.15 – 17.00</u> How to get involved, support and join OSI activities (Oleg ROZHKOVA)</p> <p><u>17.00 – 17.30</u> Closing remarks from the Executive Secretary</p>