Oral Presentations: WEDNESDAY, 8 JUNE 2011, AFTERNOON

	Room: Grosse Redoutensaal	Room: Kleine Redoutensaal
14:00	T1-O2. Rupture dynamics of large earthquakes inferred from hydroacoustic data *Catherine de Groot-Hedlin*	Theme 2 Introductory Remarks *Mr Oleg Rozhkov* *Director, On-site Inspection Division, CTBTO*
14:15		T2-O1. Understanding the radionuclide source term for underground nuclear explosions *Harry Miley*
14:30	T1-O9. Next-level shake zoning for modeling seismic-wave propagation in the U.S. Intermountain West *John N. Louie*	
14:45	T1-O10. Ground motion studies for critical sites in north-east Bangladesh *Tahmeed Malik Al-Hussaini, M.Nayeem Al-Noman*	T2-O2. The global atmospheric noble gas background *Anders Ringbom*
15:00	T1-O11. Prediction of aftershocks distribution using artificial neural networks *Mostafa AllamehZadeh*	
15:15	T1-O13. Seismicity and seismic hazard assessment of the arid western regions of South Africa *Hlompho Malephane*	T2-O6. Analysis of fission products in air samples due to nuclear explosion source *Abdus Sattar Mollah*
15:30	T1-O14. Crustal thickness and average VP/VS ratio variations in northern Viet Nam from teleseismic receiver function analysis *Van Duong Nguyen, Bor-Shouh Huang, Tu-Son Le, Van-Toan Dinh*	Coffee Break
15:45	Coffee Break	
16:00		T2-O10. Temporal evolution of the radioxenon signature from underground nuclear explosions *Martin Kalinowski*
16:15	T1-O15. Scattering and intrinsic attenuation structure in Central Anatolia, Turkey using BRTR (PS-43) array data *Korhan Umut Semin, Nurcan Meral Ozel*	T2-O12. Medical isotopes studies *Judah Friese, Rosara Payne*
16:30	T1-O16. Detection of earthquake hazard in southwest peninsular India – Spurt of various unusual geological incidents *D. Shanker , H. N. Singh, John Mathai , V. N. Neelakandan, A. Kumar*	T2-O9. Effects of non-isotropic explosion sources upon the utility of the Ms-mb discriminant *Paul G. Richards*
16:45	T1-O17. Upper crust structure under CTBTO station «Petropavlovsk-Kamchatsky» by endogenic microseismic activity *Yulia Kugaenko, Vadim Saltykov, Victor Chebrov*	T2-O4. Numerical experiments on explosions triggering earthquakes Luis Angel Dalguer, Florian Haslinger, Seok Goo Song, *Tarje Nissen-Meyer, Domenico Giardini*
17:00	T4-O1. Distributed e-infrastructures for data intensive science *Robert Jones*	T2-O7. Modelling of elastic waves generated by a point explosion *Zurab Kereselidze, Nino Tsereeli*
17:15		T2-O11. Seismo-acoustic energy partitioning from shallow and surface explosions *Jessie Bonner et al.*
17:30	T4-O8. Anomalous infrasound propagation through the dynamic stratosphere *Läslo Evers, Anton Van Geyt, Pieter Smets, Julius Fricke*	T2-O8. The source time function of an explosive source *Anton Ziolkowski*
17:45	T4-O12. Analysis of classification possibility infrasound signals from different sources based on correlation ability *Sergey Kulichkov, Alexei Chulichkov, Nadezhda Tsybulskaya*	T2-O3. New and novel technologies for CTBT radionuclide measurement and analysis *Harri Toivonen*
18:00	T4-O10. A statistical framework for operational infra-sound monitoring *Stephen Arrowsmith, Rod Whitaker*	
18:15		T2-O13. The IAEA Department of Safeguards: Crossover novel technologies *Andrew Monteith, Julian Whichello*

Oral Presentations: THURSDAY, 9 JUNE 2011, MORNING

	Room: Grosse Redoutensaal	Room: Kleine Redoutensaal
09:00	T1-O1. Infrasound: from explosion monitoring to atmospheric studies and climate *Elisabeth Blanc*	T5-O3. Transnational cooperation: What and why? *Christine Wing*
09:30	T1-O4. Monitoring of explosive volcano eruptions in Kamchatka and the Kuriles Islands on acoustic data from IMS and KBGS RAS stations *Evgenii I. Gordeev, Evgenii R. Makhmudov, Pavel P. Firstov, Sergei N. Kulichkov, Viktor N. Chebrov*	T5-O4.Capacity building in the context of the Comprehensive Nuclear-Test-Ban Treaty *Lassina Zerbo, John Coyne, Belkacem Djermouni*
09:45	T1-O5. Civil applications of CTBT verification software and technologies: Volcano eruption in Iceland *Gerhard Wotawa, Ulrike Mitterbauer*	T4-O4. Bayesian inference for the study of low-level radioactivity in the environment: Application to the detection of xenon isotopes of interest for the CTBTO *Isabelle Rivals, Xavier Blanchard*
10:00	T1-O6. Determination of an uncertainty radius for back tracing infrasound signals to source caused by atmospheric wave activity *Sabine Wüst, Christoph Pilger, Verena Kopp, Michael Bittner*	T4-O9. On the potential of public available gridded precipitation re-analysis and monitoring products to access the wet-deposition impact on PTS radionuclide monitoring capability *Andreas Becker, Ole Ross, Lars Ceranna*
10:15	Coffee Break	T4-O6. NET-VISA model and inference improvements *Nimar Arora, Stuart Russell, Paul Kidwell, Erik Sudderth*
10:30		Coffee break
10:45	T1-O3. Extracurricular geophysics, or tsunamis in the complex earth system *Emile Okal*	
11:00		T4-O3. Improving regional seismic travel times (RSTTs) for more accurate seismic location *Stephen Myers et al.*
11:15	T1-O7. Argon 37: What is the suspicious threshold activity in soil air? *Roland Purtschert, Robin Riedmann*	

Oral Presentations: THURSDAY, 9 JUNE 2011, AFTERNOON

	Room: Grosse Redoutensaal	Room: Kleine Redoutensaal
15:15	JS-O1. Source process and broadband waveform modeling of 2011 Tohoku earthquake using Spectral-Element Method *Seiji Tsuboi, Takeshi Nakamura, Akiko To*	
15:30	JS-O2. Magnitude determination using duration of high frequency energy radiation for the 2011 Off the Pacific Coast of Tohoku Earthquake *Tatsuhiko Hara*	
15:45	JS-O4. Tsunami infrasound: 2004 Sumatra and 2011 Tohoku case studies *Milton Garces et al.*	
1600	JS-O6. A window into the complexity of the dynamic rupture of the 2011 Mw 9 Tohoku-Oki earthquake *Lingsen Meng, Asaf Inbal, Jean-Paul Ampuero*	
16:15 16:30	Coffee Break	
16:45	JS-O3. Analysis of the Fukushima accident by the French National Data Centre *Gilbert Le Petit et al.*	
17:00	JS-O5. Canadian monitoring of Fukushima incident *Ian Hoffman et al.*	
17:15	JS-O7. Detection of elevated Xe-133 following the Fukushima nuclear accident *Ted Bowyer et al.*	
17:30	JS-O8. Response of the Austrian Meteorological and Geophysical Service and the National Data Centre Austria to the nuclear accident in Fukushima: Atmospheric transport modelling and situation assessment based on CTBTO radionuclide data *Gerhard Wotawa, Ulrike Mitterbauer*	
17:45	JS-O9. Operational experience of CTBTO related to the Fukushima nuclear accident and long term perspectives *Mika Nikkinen et al.*	

Oral Presentations: FRIDAY, 10 JUNE 2011, MORNING

	Room: Grosse Redoutensaal	Room: Kleine Redoutensaal
09:00	Theme 3 Introductory Remarks *Mr Federico Guendel* *Director, International Monitoring System (IMS) Division, CTBTO*	T1-O8. The South Sarigan submarine volcanic eruption, May 2010: an example of International Monitoring System waveform data synergy. *David Green et al.*
09:15	T3-O1. Integrated solutions for a sustainable development of the offshore industry: live monitoring of noise and acoustics events *André et al.*	T1-O12. Neural classification of infrasonic signals from hazardous volcanic eruptions *Garces et al.*
09:30		T5-O10. Ghana's experience in the establishment of a National Data Centre *Paulina Ekua Amponsah, Yaw Serfor-Armah*
09:45	T3-O2. Open data resources and shared instrumentation facilities to support research in seismology *David Simpson*	T5-O11. Creating knowledge and building capacity in Uganda *Cynthia Ayero*
10:00		T5-O12. A CTBT implementation process in Panama to forge broader partnerships *Miguel Gonzalez Marcos, Omayra Perez Castro, Bernardo Fernandez Garcia*
10:15	T3-O5. The Optical Seismometer – a new technology for seismographic observations *Jonathan Berger*	T5-O5. Educational outreach as a capacity development strategy, using the Irish example, seismology in schools, Dublin Institute for Advanced Studies (DIAS) Outreach Programme *Thomas Blake, Grace Campbell*
10:30	Coffee break	T5-O9. Infrasound calibration in the Eastern Mediterranean *Coyne et al.*
10:45		Coffee break
11:00	T3-O7. The Optical Fiber Infrasound Sensor – improved wind noise reduction *Jonathan Berger, Mark Zumberge*	
11:15	T3-O13. Measuring mesopause temperature perturbations caused by infrasonic waves - An innovative sensor approach *Michael Bittner, Kathrin Höppner, Christoph Pilger, Carsten Schmidt*	T5-O1. The global earth observation system of systems *José Achache, Francesco Gaetani*
11:30	T3-O12. The EarthScope USArray Transportable Array: Results from large-scale network operations *Robert Woodward, Robert Busby, Katrin Hafner, David Simpson*	
11:45	T3-O3. Challenges and growth for NEPTUNE Canada *Lucie Pautet, Christopher R. Barnes, Fern Johnson, Mairi M. R. Best Benoit Pirenne*	T5-O7. The IMS network and the International Federation of Digital Seismograph Networks FDSN - a long and winding road *Gerardo Suarez, Florian Haslinger*
12:00	T3-O6. Data for OSI multi-spectral and infrared instrument development *John Henderson, Milton Smith, Michael Zelinski*	T5-O6. CTBTO contribution to the global earthquake data collection: a view from the International Seismological Centre (ISC) *Dmitry A. Storchak, Istvan Bondár James Harris, Ben Dando*
12:15	T3-O8. A new underground radionuclide laboratory - RL16 *Joel Forrester, Craig Aalseth, Larry Greenwood, Harry Miley Cory Overman*	T5-O8. Contributions of the scientific community to CTBT monitoring and verification *Martin Kalinowski*
12:30		T5-O13. Methodology for on-site inspections and lessons learned from different verification regimes *Yousry Abushady*

Oral Presentations: FRIDAY, 10 JUNE 2011, AFTERNOON

	Room: Grosse Redoutensaal	Room: Kleine Redoutensaal
14:00	T3-O10. Production of Xe standards for the calibration of noble gas sampler stations and laboratory equipment *Kari Peräjärvi et al.*	T4-O2. Improved signal detection at seismometer arrays *Neil Selby*
14:15	T3-O11. Xenon diffusion reduction using surface coatings on plastic scintillators in beta-gamma coincidence detection systems *Lisa Bläckberg et al.*	T4-O7. Real-time global seismic wave propagation and non-linear inversion for source and structure *Tarje Nissen-Meyer, Alexandre Fournier, P. Martin Mai, Florian Haslinger, Domenico Giardini*
14:30	T3-O4.The effectiveness of radionuclide monitoring: assessed with a natural airborne tracer *Murray Matthews*	T4-O13. High resolution array processing for earthquake source studies at regional distance *Lingsen Meng, Jean-Paul Ampuero*
14:45	T3-O9. Figure of merit for choosing Xe background study locations *Paul Eslinger, Derek Haas, Harry Miley*	T4-O11. Reliable Lg arrival time picks and potential for enhanced epicenter *Eystein S. Husebye, Tatiana Matveeva*
15:00	T3-O14. Optimal design of a noble gas monitoring network *Ian Hoffman et al.*	T4-O5. Improvements to seismic monitoring of the European Arctic using three-component array processing at SPITS *Steven J. Gibbons, Johannes Schweitzer, Frode Ringdal, Tormod Kvaerna, Svein Mykkeltveit*
15:15	T3-O15. Potential of the International Monitoring System (IMS) radionuclide network for inverse modeling *Mohammad Reza Koohkan, Lin Wu, Marc Bocquet, Monika Krysta*	