

**CTBT: SYNERGIES WITH SCIENCE  
1996-2006 AND BEYOND**

**Vienna, 31 August – 1 September 2006**

**Kongresszentrum Hofburg, Josefsplatz 3, 1010 Vienna**

**PROGRAMME**

**Thursday, 31 August 2006**

**OPENING SESSION:14.00-19.00**

Host Country Welcome

Dr Hans Winkler, State Secretary, Austrian Federal Ministry for Foreign Affairs

Mr Rudi Schicker, Vienna's Executive City Councillor for Urban Development, Traffic and Transport

Opening Address

Mr Tibor Tóth, Executive Secretary of the Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization

Keynote Speaker

Dr Mohamed ElBaradei, Director General, International Atomic Energy Agency

Speaker

Mr Nobuaki Tanaka, United Nations Under-Secretary-General for Disarmament Affairs

Speaker

Dr Wolfgang Hoffmann, Executive Secretary Emeritus of the Preparatory Commission for the CTBTO

**Multi-media Show**

**CTBT: For a Safer and More Secure World**

Speaker

Imaging the Earth  
Prof. Paul G. Richards, Lamont-Doherty Earth Observatory of Columbia University

Speaker

Imaging the Atmosphere  
Prof. Dr Helga Kromp-Kolb, Head of Institute, Department of Water, Atmosphere and Environment, Institute of Meteorology, University of Natural Resources and Applied Life Sciences, Vienna

Speaker

Modern Data Analysis Techniques  
Dr Usama Fayyad, Senior Vice President of Research and Strategic Data Solutions, Yahoo!  
Connecting the Earth  
Mr. Michael T. Jones, Chief Technologist, Google Earth

*Reception*

*Kleiner Redoutensaal, Kongresszentrum Hofburg  
Hosted by the Austrian Federal Ministry for Foreign Affairs*

## **Friday, 1 September 2006**

09:00-11:00

### **SESSION I: IMAGING THE EARTH**

#### **Chair: Paul Richards**

From the continental scale to seismogenic faults  
Prof. Domenico Giardini, Chair of Seismology and  
Geodynamics, Director, Swiss Seismological Service

Through waveform modeling of great earthquakes  
Dr Seiji Tsuboi, Institute for Research on Earth Evolution, Japan  
Agency for Marine-Earth Science and Technology

Imaging the Earth's deep interior  
Prof. Paul Richards, Lamont-Doherty Earth Observatory of  
Columbia University

Earthquake catalogues in the time of modern seismology  
Prof. Wu Zhongliang, Institute of Geophysics, China Earthquake  
Administration

Questions and Discussions

11:00-11:30

*Coffee Break*

11:30-13:30

### **SESSION II: IMAGING THE ATMOSPHERE**

#### **Chair: Helga Kromp-Kolb**

Data assimilation in weather forecasting  
Dr Dominique Marbouty, Director, European Centre for  
Medium Range Weather Forecast

Probing the atmosphere with infrasound  
Dr Hein Haak, Head, Seismology Division, Royal Netherlands  
Meteorological Institute

Radionuclide monitoring and the benefits of a multi-scale  
approach - taking Canada as example  
Dr Kurt Ungar, Verification and Incident Monitoring Radiation  
Protection Bureau

Questions and Discussions

13:30- 14:30

*Lunch Break – Kleiner Redoutensaal, Kongresszentrum Hofburg*

14:30-16:30

### **SESSION III: DATA MINING**

#### **Chair: Usama Fayyad**

Data sharing in astrophysics: the virtual observatory  
Dr Pierre Olivier Lagage, Head, Service Astrophysique, French  
Atomic Energy Commission

Data mining for rare events  
Prof. Arno Siebes, University of Utrecht, Department of  
Information and Computing Sciences

Questions and Discussions

16:30- 16:50

*Coffee Break*

16:50-17:30

### **CONCLUDING SESSION**

Discussion on how scientific developments will affect the future  
work of the Provisional Technical Secretariat as well as the cost  
effectiveness of the organization

The symposium will be conducted in English.