Monday, 11 May 2009

08:00  Registration of Participants

10:00  Opening and Welcome Remarks, and Key Note Presentations
  
  ▪ H.E. Mr. Ali ABBASOV, Minister of Communication and Information Technologies of the Republic of Azerbaijan
  ▪ Mr. Hans HAUBOLD, United Nations Office for Outer Space Affairs, Austria
  ▪ Mr. Kenneth HODGKINS, United States of America
  ▪ Mr. Helmut SPITZL, European Commission
  ▪ Prof. Roald SAGDEEV, Maryland University, United States of America
  ▪ The United Nations and GNSS: Global in Space and in Time, Ms. Sharafat GADIMOVA, United Nations Office for Outer Space Affairs

11:30  Coffee Break

12:00  Presentation Session 1: Overview of Global Navigation Satellite Systems in Operation and in Development

  Chairperson: Sharafat Gadimova, United Nations Office for Outer Space Affairs
  Rapporteur: Alexandru Badea, Romanian Space Agency, Romania

  ▪ U.S. Space-based Positioning, Navigation and Timing (PNT) Policy and International Cooperation, Mr. Kenneth HODGKINS, United States of America
  ▪ GLObal NAVigation Satellite System (GLONASS), Mr. Alexander SERDYUKOV, Federal Space Agency, Russian Federation
  ▪ Galileo and EGNOS Programmes’ development, Mr. Helmut SPITZL, European Commission

13:00  Lunch Break

14:30  Presentation Session 2: Overview of Global Navigation Satellite Systems in Operation and in Development (continues)

  Chairperson: Alexandru Badea, Romanian Space Agency, Romania
  Rapporteur: Sharafat Gadimova, United Nations Office for Outer Space Affairs

  ▪ COMPASS/BeiDou, Mr. Gang WANG, Beijing Global Information Centre of Application and Exploitation, China
  ▪ Indian Regional Navigation Satellite System (IRNSS), Mr. Tsering TASHI, Indian Space Research Organization, India
  ▪ TRIUMPH, the first interoperable GNSS technology, Mr. Javad ASHJAEE, Javad GNSS, United States of America

15:30  Coffee Break
16:00  
- Combination of GNSS and GIS technologies for remote sensing purposes, *Ms. Xosiyyat ISMATOVA, National Academy of Aviation, Azerbaijan*

16:20  
- Perspectives of GNSS applications in Azerbaijan Air Navigation Services, *Mr. Farhan GULIYEV, Azerbaijan Air Navigation, Azerbaijan*

16:20 – 17:30  
**Discussion Session 1: Using and implementation of GNSS technologies**

- Issues and concerns, requirements of implementing, possibilities of success, mechanisms and resources of implementing

18:00  
**Welcoming Reception**

**Tuesday, 12 May 2009**

09:00  
**Presentation Session 3: Global Navigation Satellite Systems Infrastructure**

Chairperson: *Ms. Maria OVDII, Agency for Land Relations and Cadastre, Moldova*  
Rapporteur: *Mr. Akjol DJENALIEV, Kyrgyzstan*

09:00  
- EUPOS: Example of a regional full scale accuracy ground-based differential (D)GNSS infrastructure, *Mr. Gerd ROSENTHAL, International EUPOS Steering Committee Office, Germany*

09:20  
- Introduction to GNSS Network RTK, *Mr. Ezzedine DJERBI, Leica Geosystems AG, Switzerland*

09:40  
- RTK Network LatPos in Latvia, *Mr. Janis ZVIRGZDS, Latvia Geospatial Information Agency, Latvia*

10:00  
- Ukrainian GNSS-based positioning timing navigation system (UAPOS), *Mr. Kostiantyn VOLOKH, National Space Agency of Ukraine, Ukraine*

10:20  
- Creation of ground-based infrastructure of differential global navigation satellite system in the Republic of Kazakhstan, *Mr. Marat NURGUZHIN & Mr. Sabit MURAT, JSC «National Company «Kazakhstan Gharysh Sapary» T, Kazakhstan*

10:40  
- SIRGAS: An international collaborative enterprise of the geodetic community in Latin America and the Caribbean, *Mr. Claudio BRUNINI, Argentina*

11:00  
**Coffee Break**

11:30  
**Presentation Session 4: International/Regional Experiences of the use and implementation of GNSS technologies**

Chairperson: *Mr. Mr. Tsering TASHI, Indian Space Research Organization, India*  
Rapporteur: *Mr. Igor IBRAGIMOV, Uzbekistan Academy of Sciences, Uzbekistan*

11:30  
- International Space Weather Initiative, *Mr. Hans HAUBOLD, United Nations Office for Outer Space Affairs*

11:50  
- Regional cooperation in the field of space weather studies and applications in the southeastern and east central Europe and in the Caucasus region, *Mr. Elchin BABAYEV, Azerbaijan National Academy of Sciences, Azerbaijan*

12:10  
- Abdus Salam ICTP – Boston College partnership for training in GNSS science and Technology, *Mr. Sandro Radicella, The Abdus Salam ICTP, Italy*

12:30  
- Energy System: remote control, *Mr. Hikmet HASSANOV, TV-Radio Broadcasting and Satellite Communication Production Unit, Azerbaijan*

13:00  
**Lunch Break**

14:30  
**Presentation Session 5: Education and training on GNSS**
14:30 ▪ Experience of CRASTE-LF in capacity building in space science and technology: Introduction of new technology, Mr. Abderrahmane TOUZANI, CRASTE-LF, Morocco
14:50 ▪ GNSS education activities in ISMB, Ms. Gabriela POVERO, Instituto Politecnico de Torino, Italy
15:10 ▪ GNSS: A view of an academic “Stakeholder”, Mr. Moustafa BARAKA, Cairo University, Egypt

15:30 Coffee Break

16:00 Discussion Session 2: Developing Partnerships and Networks

Discussion Panel:
▪ Prof. Roald SAGDEEV, Maryland University, United States of America
▪ Mr. Gerd ROSENTHAL, International EUPOS Steering Committee Office, Germany
▪ Mr. Claudio BRUNINI, SIRGAS, Argentina
Discuss plans, framework for a mechanism of regional cooperation; follow–up projects and initiatives.

Discussion paper: Developments of the EUREF GNSS Services and Reference Networks, Mr. Johannes Ihde, EUREF, Germany

18:00 Adjourn

Wednesday, 13 May 2009

09:00 Presentation Session 6: GNSS applications and technology development

Chairperson: Mr. Janis ZVIRGZDS, Latvia Geospatial Information Agency, Latvia
Rapporteur: Mr. Ali SADEGHI NAEINI, Iranian Space Agency, Iran

09:00 ▪ GLONASS technologies applications in mining industry, Mr. Mark Schmulevich, Federal Space Agency, Russian Federation
09:20 ▪ Use of GPS in the transportation in the city of Baku, Mr. Sadraddin Mammadov, Ministry of Transportation, Azerbaijan
09:40 ▪ Architecture and applications of software GPS receiver, Mr. SYED ZAHID JAMAL, SUPARCO, Pakistan
10:00 ▪ Use of GNSS technologies in Uzbekistan for studying of geodynamical and ionospheric processes, Mr. Igor IBRAGIMOV, Uzbekistan Academy of Sciences, Uzbekistan
10:20 ▪ Use of GIS/RS for environmental monitoring and mapping, Mr. Alchin SHIRINZADE, Ms. Shafag MUTTALIBOVA and Mr. Rauf RAGIMOV, National Aerospace Agency, Azerbaijan
10:40 ▪ GPS Accuracy enhancement in GIS/RS civilian projects in Syria, Mr. Alaa Aldin ZEIN, General Organization of Remote Sensing, Syria

11:00 Coffee Break

11:30 Presentation Session 7: GNSS applications: National Programmes

Chairperson: Mr. Abderrahmane TOUZANI, CRASTE-LF, Morocco
Rapporteur: Mr. Jamshed KAMALOV, Tajikistan
11:30  
- Information Centre: status and development, Mr. Alchin SHIRINZADE and G. ABBASLI, National Aerospace Agency, Azerbaijan
- ROEnvGeoPortal: an advanced support for environmental monitoring and dissemination of spatial data at national level in Romania, Mr. Alexandru BADEA, Romanian Space Agency, Romania

11:50  
- Development of GNSS applications in Poland, Mr. Stanislav OSZCZAK, University of Warmia and Mazury in Olsztyn, Poland
- Use of GNSS in National spatial data infrastructure project, Ms. Asli OLMEZ, Ministry of Public Works and Settlement of Turkey, Turkey

12:10  
- GNSS applications in Iran, Mr. Ali SADEGHI NAEINI, Iranian Space Agency, Iran

13:10  
Lunch Break

14:30 – 17:00  
Technical Visit/City Tour

Thursday, 14 May 2009

09:00  
Presentation Session 8: GNSS applications: Case studies

Chairperson: Mr. Moustafa BARAKA, Cairo University, Egypt
Rapporteur: Mr. SYED ZAHID JAMAL, SUPARCO, Pakistan

09:00  
- Positioning infrastructure for sustainable land administration: the case study, Ms. Maria OVDII, Agency for Land Relations and Cadastre, Moldova

09:20  
- Development of GPS technology in Kyrgyzstan, Mr. Akjol DJENALIEV, Kyrgyz State University of Construction, Transportation and Architecture, Kyrgyzstan

09:40  
- GNSS Technology and high resolution satellite data for detection and assessment warning vulnerability risk, Ms. Sevda IBRAHIMOVA, Azerbaijan National Aerospace Agency, Azerbaijan

10:00  
- Use of GNSS in Tajikistan, Mr. Jamshed KAMALOV, Nuclear and Radiation Safety Agency, Tajikistan

10:20  
Working Groups Sessions

Working Group 1: Capacity Building and Institutional Strengthening
Working Group 2: Geodetic Reference Network
Working Group 3: Specific global navigation satellite systems applications

11:00  
Coffee Break

11:30  
Working Groups Sessions (continues)

13:00  
Lunch Break

14:30  
Working Groups Sessions (continues)

15:30  
Coffee Break

16:00  
Discussion Session 3: Round table to finalize the recommendations/observations
09:00  **Plenary Closing Session**
- Summary reports of presentation sessions
- Summary report of discussion sessions: presentation of proposals and recommendations consolidated at the discussion sessions

11:00  **Coffee Break**

11:30  **Closing remarks**
- Concluding Remarks, *Mr. Hans Haubold, United Nations Office for Outer Space Affairs*
- Concluding Remarks, *Mr. Arif Mekhtiev, Azerbaijan*

12:00  Adjourn