GNSS/BeiDou Awareness and Technology Demonstration in Pakistan

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Seventh Meeting of the International Committee on Global Navigation Satellite Systems (ICG)
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SUPARCO

- Pakistan Space and Upper Atmosphere Research Commission (SUPARCO)
- Mandated to conduct
  - R&D in Space Science and Space Technology
  - Peaceful Space applications in the country
SUPARCO Projects

- Communication and Remote Sensing Satellites development

- Satellite Remote Sensing and GIS
  - Natural resources surveying
  - Mapping
  - Environmental monitoring

- Global Navigation Satellite System (GNSS) and its Applications

- Space & Atmospheric Sciences

- Tele-Medicine

- International Cooperation in Space Technology and Applications development
SUPARCO GNSS Vision

Capacity building and peaceful utilization of GNSS technology and its applications for the socio-economic development of Pakistan through national and international cooperation
International Cooperation

- SUPARCO has cooperation agreement with China Satellite Navigation Office (CSNO) for exchanging and promoting GNSS civil applications in Pakistan
Symposium

- A “Symposium on BeiDou/GNSS and its Applications” and exhibition “BeiDou Applications and Demonstration Experience Campaign (BADEC)” have jointly been organized by SUPARCO and China Satellite Navigation Office (CSNO).

- This symposium was held at the Sheraton Hotel, Karachi from 25th to 26th September, 2012.
Symposium

- First ever Symposium on GNSS and its Applications in Pakistan

- This event was organized with the objectives of:
  - Awareness of GNSS Technology and its Applications for socio-economic development of Pakistan
  - Gathering all GNSS stakeholders for technology and applications development
  - First BeiDou Applications and Demonstration Experience Campaign (BADEC) outside China
Symposium

- The Symposium highlighted the current and perspective applications of GNSS in Pakistan and its economic implications.

- It has been highlighted that the country had no existing infrastructure in this field, and this is the time to capitalize on the technology.

- This technology has provided Pakistan with both economic and strategic opportunities.

- The symposium also included technical reports on GNSS role in monitoring and management of vehicles and ships, precision positioning and GIS, presented by both Chinese and Pakistani speakers.
BADEC

- An exhibition was also organized along with the Symposium
- This exhibition was part of the BADEC program
- This was the first ever BeiDou technology and application demonstration outside China
- BeiDou/GNSS receivers, applications and services were highlighted
- This exhibition was opened for public after Symposium
Participants

- More than 300 participants participated in the Symposium and BADEC

- Participants were mainly from government institutions, research organizations, universities, entrepreneurs, consultants and surveyors etc

- BeiDou/GNSS technology and application development companies from China also participated in the Symposium and Exhibition
Media Coverage

- This Symposium and BADEC event have been highlighted by Pakistan’s leading Electronic and Print Media

- This includes:
  - Daily Dawn
  - The NEWS
  - The Express Tribune
  - PTV
  - Express News
  - Samaa TV
  - Aaj TV
  - CNBC Pakistan News
  - Many others…
BeiDou Applications in Pakistan

- BeiDou/GPS Dual Mode Chip for Vehicles
- Civil Aviation
- Transportation Monitoring and Management
- Surveying and Mapping
- Meteorology
Conclusion

- This symposium and BADEC event held for two days and concluded as successful

- Participants appreciated the SUPARCO and CSNO for organizing such event

- SUPARCO is open for GNSS technology and application development cooperation with the world