UN-GGIM-AP
WG1- Geodetic Reference Frame

Legal and Policy Issues impacting geospatial data sharing and dissemination

Nuku’alofa, Tonga, 2018
➢ To confidently integrate different datasets that are measured with different techniques and collected at different times

➢ Measure once, use multiple times

Geodetic Data

• GNSS, gravity, levelling
Challenges: Sharing Data

- Joint FIG / UN-GGIM-AP / JUPEM Geospatial and GNSS CORS Infrastructure and Systems Forum, Kuala Lumpur – Malaysia, October 2016
- 150 delegates from 21 different countries
- Discussion session on challenges and priorities in regards to sharing of GNSS and geodetic data
GNSS Data as an Example

Challenges: Sharing Real-time GNSS Data

- Kuala Lumpur Forum (2016) Findings
  - Most countries have, or are developing, national GNSS CORS infrastructure to support national programs
  - Data sharing continues to be non-optimum and this is acknowledged by government agencies
Challenges: Sharing Real-time GNSS Data

• Kuala Lumpur Forum (2016) Findings
  • Cost recovery models of GNSS network operation are common in the Asia-Pacific
  • Commercial revenues used for network maintenance
  • Concerns that open access will compromise revenue

Challenges: Sharing Real-time GNSS Data

• Kuala Lumpur Forum (2016) Findings
  • The absence of data licencing template agreements
  • IGS open data model for sharing is not always appropriate
  • Concerns that data sharing will contravene national legislation (e.g. national security)
  • Absence of policy also impedes sharing
Challenges: Sharing Real-time GNSS Data

- Kuala Lumpur Forum (2016) Findings
  - Lack of human technical capability limits
  - Unable to support requirements of international users and for public safety services

- Lack of technical resourcing
  - Site communications
  - Agencies reluctant to commit to international programs if national resourcing not guaranteed
  - Risks of becoming involved in public safety services (i.e. reality of infrastructure doesn’t meet expectations)
Challenges: Sharing Real-time GNSS Data

- Kuala Lumpur Forum (2016) Findings
  - Lack of advocacy skills in individual countries i.e. they can’t sell importance of data sharing with their decision makers