

Summary Report of UN-GGIM-AP WG1- Geodetic Reference Frame

Kumamoto, Japan, October, 2017



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United Nations Initiative on
Global Geospatial Information Management

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- 1-Day joint workshop on *Regional Challenges, Benefits and Opportunities of Exchanging Geodetic Data*



- 44 attendees from **Australia, Sweden, New Zealand, China, Oman, Tonga, Islamic Republic of Iran, Philippines, Singapore, Austria, Malaysia, India, Republic of Korea, United Kingdom, Vietnam and Japan**



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- Tuesday: 90 minute WG1 discussion
 - Attendees from **Australia, Sweden, New Zealand, China, Oman, Tonga, Islamic Republic of Iran, Philippines, Singapore, India, Republic of Korea, and Japan**
 - United Nations GGIM Sub-Committee on Geodesy
 - Country reports, presentations made by **India, Iran and Tonga**
 - Review of discussions and development of draft resolution



Key Issues Emerging from Discussions

- Importance of the region engaging in the UN-GGIM Sub-Committee on Geodesy processes, including the inaugural meeting in Mexico

Challenges

- Need to improve data sharing across the region
- Lack of awareness of the value and importance of sharing geodetic data amongst some sectors of government, industry and the wider community
- Diversity of capability across the region (developing versus developed)



Key Issues Emerging from Discussions

Challenges

- Communications infrastructure
- Obtaining and justifying resources
- Treatment of data security, privacy and sensitivity
- Financing and commercialisation of infrastructure
- The need to modernise relevant legislation, policies, and practices in the context of sharing and exchanging geodetic data



Key Issues Emerging from Discussions

Opportunities

- Regional geodetic observations can contribute to applications for sea level change, tsunami warning, earthquake hazard assessment, storm and flooding events, and volcano monitoring
- Geodetic observations contribute to the digital economy, addressing social and environmental challenges associated with rapid urbanisation, Smart cities and innovation



Key Issues Emerging from Discussions

Actions

- Ensure geodetic data is available to share, current, authoritative, accessible, usable and interoperable
- Need for geodetic data strategies and policies
- Ensure alignment with the UN-GGIM Working Group on Legal and Policy Frameworks for Geospatial Information Management



Key Issues Emerging from Discussions

Actions

- Build geodetic capability through engagement with relevant international experts
- Engage in multilateral collaboration to facilitate the exchange of information, knowledge and experiences so as to address the geodetic challenges

The WG1 Draft Resolution aims to address these Challenges, Opportunities and Actions



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