



**Regional Committee of United Nations Global Geospatial
Information Management for Asia and the Pacific
(UN-GGIM-AP)**



Established by a United Nations Resolution

EXECUTIVE REPORT

10 November 2014 Bali Indonesia

The 3rd Plenary Meeting of UN-GGIM-AP

Introduction

This report highlights the activities of the Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific (UN-GGIM-AP) since the 2nd UN-GGIM-AP Meeting in Tehran, Islamic Republic of Iran held from 28-30 October, 2013.

The Second Plenary Meeting of UN-GGIM-AP

The 2nd Plenary Meeting of UN-GGIM-AP was hosted by the National Cartographic Center of Iran and attended by 12 countries and approximately 50 participants. Progress reports from the three Working Groups and status report from the liaison organization, Eurogeographics, and Country Reports on NGIA's roles in Successful Disaster Response and the Latest of Spatial Web Services Provided by NGIAs were presented. The meeting was successfully concluded adopting following 4 resolutions that call further collaborative efforts at all levels: 1. Promoting the Understanding of Geospatial Information at the National Level, 2. Enhancing Geodetic Activities in the Region, 3. Developing a Regional Geoportal for Disaster Management, 4. Strengthening the Regional Capacity on Place-based Information. All the documents presented during the plenary meeting are available at the Committee's website.

Executive Board Meeting

The executive board meeting was hosted by Department of Survey and Mapping Malaysia and held in Kuala Lumpur, Malaysia on 20 June 2014, in conjunction with the 25th FIG Congress. The meeting was attended by 33 participants including 10 Board Members, 1 liaison, and 2 observers. The meeting reviewed the Committee's activities after the 2nd Plenary Meeting and discussed strategic issues actions towards coming meetings including 4th GGIM and 3rd Plenary Meeting. The Board endorsed UN-GGIM-AP/FIG Statement on Global Geodetic Reference Frame for Sustainable Development. The full text of the statement is available at the Committee's website. The board invited Dr. Vanessa Laurence, Co-Chair of UN-GGIM, to discuss how the regional bodies like UN-GGIM-AP could contribute to the work of UN-GGIM.

The Forth Session on UN-GGIM & UN-GGIM-AP Informal Meeting

The 4th Session on UN-GGIM was held in New York, United States from 6-8 August

2014. At its first meeting, Dr. Li Pengde was elected as one of the three co-chairs of the Committee of Experts. In his capacity as the President, Dr. Li reported on the Committee's latest activities and proposed disaster management and working towards Sustainable Development Goals (SDGs) and post Millennium Development Goals (MDGs) as the 2 core regional priority issues as identified by member states. At the last meeting of its 4th session, the Committee of Experts adopted a number of important decisions, including decision 4/101 Global geodetic reference frame, decision 4/108, Development of a knowledge base for geospatial information management, and decision 4/111, reports by regional entities and thematic groups, which welcomed the broad range of the activities of UN-GGIM-AP and efforts to reach out all countries.

In conjunction with the 4th Session, the UN-GGIM-AP held the informal meeting on 8 August. The members discussed detailed arrangements toward the 3rd plenary meeting including confirmation on report on the identified challenges and issues for regional geoportal for disaster data sharing and data sharing demonstration on InaGeoportal during WG2 session.

The Third High Level Forum

The 3rd High Level Forum on UN-GGIM was hosted by the National Administration of Surveying, Mapping and Geoinformation of China and held from 22-24 October in Beijing. It was attended by 261 participants from 44 countries, 9 United Nations representatives, and 27 representatives from international organizations and the private sector. The forum had 5 sessions; Geospatial Information for the Post-2015 Development Agenda, Sustainable Cities and Human Settlements, Climate Change and Disaster Mitigation, Science, Technology, and Innovation to Measure and Monitor Progress, and Working Together Across Borders and Regions. Under these session topics, the participants discussed key policy and technology issues to enhance cooperation in geospatial information management to support global sustainable development challenges. Beijing Declaration on sustainable Development with Geospatial information was issued at the end of the forum.

Personnel

Dr. Choe Byong-Nam, Republic of Korea, replaced Mr. Im Joo-Bin as Vice President. Mr. Basara Miyahara, Japan, replaced Dr. Yuki Kuroishi as Vice Chair of WG1. The full list of the current Board member countries and WG Chairs/Vice Chairs are attached as Annex I of the report.

Group Address

To avoid disconnection caused by personnel changes, member countries are encouraged to set up group address in the form of un-ggim-ap.countryname@domain. Group addresses of the Board Members are attached as Annex II of the report.

Working Group Activities

Working Group 1 (WG1) - Geodetic Reference Framework for Sustainable Development has focused its efforts on improving the global geodetic reference frame. Towards this objective, WG1 has assisted with the development of a draft United Nations General Assembly resolution on the Global Geodetic Reference Frame (GGRF)

for Sustainable Development.

WG1 has continued with the ongoing coordination of Asia Pacific Reference Frame (APREF) which is supported by 28 countries. The Asia Pacific Regional Geodetic Project (APRGP) has also continued in 2013 and 2014. The 2013 APRGP report has now been finalised and data from the 2014 APRGP campaign will be analysed in the coming months. The ongoing coordination of the Asia Pacific Regional Height System Unification (APRHSU) Project has continued and methods for regional height unification are currently under development.

The Asia-Pacific Geodetic Capacity Building (APGCB) project has continued and efforts have included organising a joint UN-GGIM-AP, International Federation of Surveyors (FIG), International Association of Geodesy (IAG) and United Nations International Committee for GNSS (UN-ICG) Session at the FIG International Congress in June 2014 in Kuala Lumpur, Malaysia. Initial planning for a joint FIG, UN-GGIM-AP, IAG and ICG follow-on reference frame workshop in July 2015 has commenced.

The Working Group 2 (WG2) - Data Sharing and Integration for Disaster Management - developed its initial draft concept of disaster management Geoportals through a questionnaire to the Vice Chairs. The draft concept includes required elements (base maps, satellite imagery, permanent GPS stations, risk sources, etc.) and support phases (preparedness, response, and recovery phases) of Geoportals. It also specifies the overall architecture of distributed SDIs operated with interoperable standards on spatial reference system, geo-features, metadata, web service protocols, etc. WG2 also started consideration on volunteered geospatial information (VGI)-based Geoportal for disaster management as an efficient and cost-effective method for generating and sharing large disaster-related geospatial data. In addition, Iran developed an initial plan of Asia and Pacific Disaster Management Geoportal and implemented a sample by using Iran's data.

Working Group 3 (WG3) - Place-Based Information Management for Economic Growth continues the investigation on the status of development of place-based information management. The analysis has been published in UN-GGIM and ISPRS meetings and the investigation got the financial support under the ISPRS Scientific Initiatives Program for the Year 2014. Also, WG3 successfully held and supported the ISPRS TC IV Symposium on 'GeoSpatial databases and location based services' in May 2014 China, and the seminar for developing countries on the global web-based geoinformation services during October in China, with the funding from Ministry of Commerce of China.

In addition, WG3 chairs and vice chairs conducted following activities:

China, chair of the WG3, continues its efforts on the case study on web-based distributed geo-data management and on-line services and launched the national platform for common geo-spatial services, TIANDITU, which connects 1 national node with 5 data centers, 30 provincial nodes and 130 municipal nodes.

Australia, vice chair of the WG3, continues its efforts on the user requirement analysis and case studies on measurement of return on investment for Australia. Also, Geoscience Australia held the workshop and progressed work on their Foundation

Spatial Data Framework (FSDF) with the release of data set information for 10 key themes in April 2014.

Malaysia, vice chair of the WG3, continues its efforts on studies on fast acquisition and update of place-based data, and Department of Survey and Mapping Malaysia purchased UAV/UAS for this purpose.

Secretariat Activities

Teleconference/Video Conference Method

In an attempt to enhance the communications between Working Group Chairs/Vice Chairs and the Secretariat, the Secretariat tested some of the online video conference system suggested by the members including Adobe Connect, ooVoo and Live On. However, difficulties are identified due to the security constraint in installing software and running cost of the software. However, the Secretariat has successfully conducted conference calls with Iran and Indonesia and found that it is productive. Also, WG2 Chair has conducted one to one teleconferences with each vice chair to discuss their work plans. The use of such system is encouraged to enhance communications especially among Working Group members in coordinating their works.

Cooperation with ESCAP

The committee has been exploring the opportunities to cooperate with ESCAP through setting up of a UN-GGIM-AP mirror site in the ESCAP website. Although it is technically possible to establish such a mirror site, some security issues are identified in order to enable the synchronization between the website. Secretariat is currently reviewing these security issues and concerns and will report the results back at the next session. Also proposal from ESCAP to establish a strategic partnership in the area of capacity building is received, and we will report back on the developments and the result of the consultation at the next meeting.

Website Update

Secretariat continues its efforts in maintenance and promotion of the UN-GGIM-AP Website. In the Knowledge Base page (http://www.un-ggim-ap.org/top/Knowledge_Base.htm), new information materials were contributed from Australia, Malaysia and Indonesia and uploaded to the website. We kindly ask for members' continued cooperation to this information-sharing Knowledge Base page.

Other Activities

The Committee substantively supported the 3rd High Level Forum on UN-GGIM in Beijing, China.

UN-GGIM-AP submitted its activity report to:

- The 21st meeting of ISCGM (5 August 2015).
- The 4th Session on UN-GGIM (6-8 August).

UN-GGIM-AP will submit its activity report to:

- ISO/TC 211 (24-28 November).

Next Meetings

Proposed schedules for the UN-GGIM-AP meetings in 2015:

- Executive Board Meeting in Gorkhi Terelj, Mongolia (mid-June).
- The 20th UNRCC-AP / The 4th Plenary Meeting of UN-GGIM-AP in Republic of Korea (early-October).

Proposed schedules for the UN-GGIM meeting in 2015 :

- The 5th Session of UN-GGIM at UN Headquarters in New York, USA (early August 2015).

Proposed schedules for the other related meetings in 2015:

- The Third UN World Conference on Disaster Risk Reduction, Sendai, Japan (14-18 March).
- The 21st Meeting of ISCGM in New York, USA (early-Aug in conjunction with 5th UN-GGIM).

Annex I. List of the current Board member countries and WG Chairs/Vice Chairs as of November 2014

President		China	Dr. Li Pengde
Vice President		Korea	Dr. Choe Byong-Nam
Secretariat		Japan	Dr. Hiroshi Murakami
EB Members		Australia	Mr. Simon Costello
		Azerbaijan	Mr. Gerib Mammadov
		Brunei Darussalam	Mr. Ali Bakar Hj. Kasim
		Indonesia	Dr. Yusuf Surachman Djajadihardja
		Iran	Dr. Alireza Azmoodeh Ardalan
		Malaysia	Mr. Ahmad Fauzi Nordin
		Mongolia	Mr. Ayurzana Khurelshagai
		Singapore	Mr. SOH Kheng Peng
Working Groups	1. Geodetic Reference Framework for Sustainable Development	Chair	Dr. John Dawson (Australia)
		Vice-Chair	Mr. Basara Miyahara (Japan)
		Vice-Chair	Dr. Wen Hanjiang (China)
		Vice-Chair	Dr. Jayhyoun Kwon (Korea)
		Vice-Chair	Dr. Farokh Tavakoli (Iran)
	2. Data Sharing and Integration for Disaster Management	Chair	Mr. Peyman Baktash (Iran)
		Vice-Chair	Dr. Antonius Bambang Wijanarto (Indonesia)
		Vice-Chair	Dr. Zhou Xu (China)
		Vice-Chair	Mr. Robert Deakin (New Zealand)
		Vice-Chair	Dr. Lee Sang-hoon (Korea)
	3. Place-Based Information Management for Economic Growth	Chair	Dr. Jiang Jie (China)
		Vice-Chair	Mr. Hasan Jamil (Malaysia)
		Vice-Chair	Mr. Simon Costello (Australia)

Annex II. Group Address of the Board Members

China	pcgiap.china@sbsm.gov.cn
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Iran	unggim-ap.iran@ncc.org.ir
Malaysia	
Mongolia	UN-GGIM-AP.MNG@gazar.gov.mn
Singapore	pcgiap.singapore@sla.gov.sg