



# GLOBAL MAPPING NEWSLETTER 45

## The Second Global Mapping Seminar in Dakar

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The Second Global Mapping Seminar in Dakar was held at Direction des Travaux Geographiques et Cartographiques (DTGC) in Dakar, Senegal of West Africa from 4 – 5 December 2006. This seminar was held by the Ministry of Land, Infrastructure and Transport (MLIT) of Japan as a part of Global Mapping Partnership Program (GMPP) inviting people of National Mapping Organizations (NMOs) to promote the development of Global Map in the African Region. To date the series of this seminar was held in Nairobi, Kenya from 2002 - 2004 and in Dakar, Senegal in 2005 respectively. The seminar for this year was organized jointly by MLIT, the International Steering Committee for Global Mapping (ISCGM) and DTGC under the auspices of the Japan International Cooperation Agency (JICA).

The objectives of the seminar are as follows:

1. To enlighten the significance of the Global Mapping project and facilitate the project participation
2. Technological transfer for creating Global Map data and facilitation of the data development
3. Promotion of the development of National Spatial Data Infrastructure (NSDI) starting from developing Global Map data
4. Information sharing among NMOs in the African Region

Totally eleven people (one person from Central African Republic, Gabon and Togo; and two persons from Guinea, Mali, Mauritania and Senegal) participated in the seminar. At the opening, the Minister of Infrastructure, Equipment, Terrestrial and Maritime of

Senegal and Deputy Chief of Bureau, JICA Senegal delivered congratulatory addresses.

The outcomes of the seminar are as follows:

1. Cooperation in the mapping sector between Senegal and Japan was further strengthened.
2. Awareness of the Global Mapping project was raised among the participating countries.
3. Project participation was expressed newly from Central African Republic, Gabon, Togo and Guinea.

The successful completion of the two-day-long seminar will contribute largely to the promotion of the Global Mapping project in the African Region.



**Training scenes**



## PCGIAP Board Meeting and Map World Forum

*Kazuhiko Akeno*

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**PCGIAP Board Meeting**

### 1. Outline

The Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP) held a Board Meeting in Hyderabad India on 21 January 2007 in conjunction with the Map World Forum concurrently took place in Hyderabad. The PCGIAP is a stakeholder of the forum.

### 2. PCGIAP Board Meeting

The meeting was attended by the representatives from National Mapping Organizations (NMOs) of Australia, Brunei, China, India, Indonesia, Japan, Malaysia and Republic of Korea and from the GSDI Association. At the meeting, four working groups (Regional Geodesy, Fundamental Data, Spatially Enabled Government and Institutional Strengthening) reported on the draft Action Plans for the coming three years on the basis of the resolutions from the 17th UN Regional Cartographic Conference for Asia and the Pacific held in Bangkok, September 2006. It was also reported that the handover of the secretariat from the Geographical Survey Institute, who had served for six years, to the State Bureau of Survey and Mapping of China had been completed. In addition a report was made from the organization in liaison with the PCGIAP, in which present state of the Global Mapping project was reported and a request was made for further cooperation toward the completion of Global Map Version 1.

The representative from the National Geographic Information Institute (NGII) of Republic of Korea reported on a draft plan of the 13th General Assembly of the PCGIAP scheduled for 12 – 15 June 2007 in Seoul, Republic of Korea. A workshop under the joint auspices of the PCGIAP and the GSDI Association was determined to be held on 12 June under the themes of spatially enabled government and legal-economic policy issues in SDI implementation.

### 3. Map World Forum

Approximately 1500 people of government and international academic institutions and industries participated in the forum to present and exchange opinions on Geographic Information as Public Utility, Technology Trends, Return on Investment, Capacity Building, etc. The forum was organized by the Department of Science and Technology as the principal sponsor, who is responsible for the development of geographic information in India. At the opening, Secretary, Department of Science and Technology and Minister for Science and Technology and Earth Sciences, both of the Government of India as well as Minister of Natural Resources and Environment, Government of Malaysia delivered speeches.

At the forum, heads of organizations related to geographic information, such as Presidents of ISPRS, ICA and FIG as well as President-elect of GSDI Association, and many people from industries including high resolution satellite image distributor and GIS software vendor gave presentations. At the Plenary Session, Mr. Peter Holland, President of PCGIAP chaired the Technology Trend Session.

Exhibitions also took place at the forum site where Survey of India and BAKOSURTANAL of Indonesia participated, among others. At the BAKORSIRTANAL booth, panels intruding Global Map were displayed.

## The Development Asia Pacific Fundamental Dataset PCGIAP Working Group 2

*Bebas Purnawan*

*Head of Centre for Network System and Spatial Data Standardization  
National Atlas Centre, BAKOSURTANAL, Indonesia*



**Mr. Bebas Purnawan**

The development of fundamental dataset for Asia and the Pacific region was based on the PCGIAP resolutions issued in the 12th UNRCC-AP Conference in Okinawa Japan in 2002. The resolutions states that the development of fundamental dataset for Asia and the Pacific region should be started in cooperation with Global Mapping Project and the Second Level Administrative Boundary (SALB) Project.

Since then, PCGIAP implements activities such as the development of Asia Pacific fundamental dataset specification and the development of a pilot project on Tsunami Dataset development.

The Asia Pacific Fundamental Dataset Specification was issued in 2004. This specification was a modification of the Global Mapping Specification. The difference is in the technique data is stored. The Asia Pacific Fundamental Dataset Specification stores data in seamless technique while the Global Mapping Specification stores data in sheet wise technique. The rests such as spatial reference, resolution, feature classification and feature attribute are the same.

The development of the Asia Pacific fundamental dataset is initiated by a PCGIAP pilot project. The pilot project consists of the development of fundamental dataset covering countries hit by 2004 tsunami around Indian Ocean. This pilot project forms as a base for the development of Asia Pacific Fundamental Dataset and also as a PCGIAP reaction to such event at the regional level.

The pilot project is implemented by the team consisting of countries of Bangladesh, Brunei Darussalam, Cambodia, China, India, Indonesia, Laos, Malaysia, Maldives, Myanmar, Singapore, Sri Lanka, Thailand, Vietnam, PCGIAP-WG, Global Mapping Initiatives, and SALB Initiative. The coordinator of the pilot project is Indonesia. The pilot project, started in 2006, is in updating step and is targeted to be finalized in 2007.

Followings are the specification of the Tsunami Fundamental Dataset:

1. Resolution: 1:1,000,000
2. Horizontal accuracy: 1000 meter
3. Data format: ESRI shape file
4. Data source: Global Mapping data, GMver0
5. Datum: WGS84
6. Map Projection: Geographic Projection.
7. Area coverage: Bangladesh, Indonesia, India, Malaysia, Myanmar, Sri Lanka, Singapore, Thailand.
8. Attribute information complying with the Global Mapping Specification for the rivers, roads and populated places and with the ones of the Second Administrative Level Boundaries dataset project (SALB) for the administrative boundaries.

As reported in the PCGIAP EB Meeting in Hyderabad, India on 21 January 2007, PCGIAP Working Group 2 will continue the development of the Asia Pacific Fundamental Dataset in 2008 after the Tsunami Dataset completed.



**populated places layer**

## From the Secretariat

### From the Chair

#### **Request to Global Mapping project participating countries**

I would request that every country who participates in the Global Mapping project, but has not turned in its Global Map data will submit the data to the secretariat as soon as possible toward the completion of the data development of the whole land of the globe within 2007.

Any questions regarding the Global Map data development need to be sent to the secretariat.

### **Request from ISCGM WG4**

The ISCGM WG4 charged with raster data has been developing Global Land Cover by National Mapping Organizations (GLCNMO). The GLCNMO is composed of twenty land cover items in 1km pixel size by using MODIS data observed in 2003.

It has collected ground truth data (land cover training data) of about 1000 sites in 2006 with the cooperation from the National Mapping Organizations of respective countries of the world. The WG4 is finalizing the data using the ground truth data collected from NMOs.

In July 2007, the secretariat will send GLCNMO prototype data to each NMO for their error check. The NMOs are asked to return the checked results to the secretariat by the end of September 2007. A corrected version of GLCNMO, which will incorporate the results of the error check, will be completed by March 2008 and will be released from the ISCGM Home Page.

NMOs are asked for their cooperation with the error check of the GLCNMO prototype data.

## Global Map and Related Meetings

Followings are Global Map and related meetings. Information on related meetings will be highly appreciated.

### **2007**

- **30 April-4 May, Addis Ababa, Ethiopia**

UNECA-CODI-V

- **31 May-1 June, Rome, Italy**

ISO/TC 211 24th Plenary

- **12-15 June, Seoul, Rep. of Korea**

13th PCGIAP General Assembly

- **5-9 June, San Francisco Bay, California USA**

The 5th International Symposium on Digital Earth

- **27-29 June, Ulaanbaatar, Mongolia.**

International Workshop on Good Land Administration  
-Its Role in Economic Development

- **14 July, Cambridge, U. K.**

14th Meeting of ISCGM

- **15-20 July, Cambridge, U. K.**

Cambridge Conference

- **4-10 August, Moscow, Russia**

XXIII International Cartographic Conference  
(ICC2007)

- **17-21 September, Ouagadougou, Burkina Faso**

AFRICA GIS 2007

- **1- 2 December, Xi'an, China (to be confirmed)**

ISO/TC 211 25th Plenary

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