



GLOBAL MAPPING NEWSLETTER 51

ISCGM Informal Meeting in Malaysia

*Shozo Kajikawa
ISCGM Secretariat*



The 14th Meeting of PCGIAP was held in Kuala Lumpur, Malaysia from 19 – 22 August. An ISCGM informal meeting took place at the same venue on 20 August attended by 18 people. The ISCGM acknowledges the Survey and Mapping Department of Malaysia for their arrangement of the meeting.

The objectives of the ISCGM informal meeting were to 1) report the status of Global Mapping, 2) discuss issues facing Global Map, and 3) hear opinions of the participants.

A speech by Prof. D. R. Fraser Taylor, Chairperson of ISCGM was made followed by a report by Yoshikazu Fukushima, Secretary General of ISCGM and discussions among the participants were done. The main points of the report and discussions are as follows:

1) In response to the report which stated that a data policy on distribution of two types of data, i. e. Global Map Global Land Cover and Global Map Percent Tree Cover, for commercial use was under consideration, many of the participants supported free data policy.

2) Strategies for the Phase 3 of Global Mapping were explained. The Secretary General elucidated that data development would begin soon after

new specifications are adopted at the next ISCGM Meeting. No objections were raised.

3) A plan of amendments to the Global Map Specifications were explained. The participants were requested to positively contact the Secretariat if their countries took interested in this matter. Prof. Taylor mentioned to Mr. Greg Scott of Australia that Mr. Richard Browers of Geoscience Australia was active at WG2 (Specifications). He asked for continued cooperation from Australia and other organizations.

Finally, three possible venues for the next ISCGM Meeting (ISCGM16): GSDI-11 in Rotterdam in June 2009; UNRCC-AP in Bangkok in October 2009; and UNRCC Americas in New York in May 2009, were explained and opinions from the participants were invited. However, decision was not made during the meeting. It was concluded that the venue and the date should be determined as soon as practical.



The 14th Meeting of the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP)

*Jiang Xiaohong
PCGIAP Secretariat*



The 14th meeting of the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP) was held on 19-22 August 2008 in Kuala Lumpur, Malaysia. The Survey and Mapping Department of Malaysia hosted the meeting. The meeting was attended by about 150 delegates and observers from 25 countries including 80 from overseas.

At the Opening Ceremony, welcome addresses were made by Datuk Hamid bin Ali, Director General of the Survey and Mapping Department of Malaysia and Mr. Peter Holland, PCGIAP President. The Honorable Datuk Douglas Uggah Embas, Minister of Natural Resources and Environment of Malaysia, delivered an opening speech.

The meeting program included a PCGIAP-UNFAO International Seminar on Land Administration Trends and Issues in Asia and Pacific Region, a PCGIAP-ISO/TC211 International Workshop on Asia and Pacific Metadata Profile, PCGIAP plenary sessions, parallel Working Group sessions, a PCGIAP Executive Board meeting, an informal meeting of the International Steering Committee for Global Mapping (ISCGM) and a technical tour to Malaysian Center for Geospatial Data Infrastructure (MaCGDI).

During the International Seminar on Land Administration Trends and Issues in Asia and Pacific Region, invited speakers from UNFAO, UNECE Working Party on Land Administration, Malaysia, Mongolia, Cambodia, Fiji, the Philippines, New Zealand, Korea, Iran, Thailand, Vietnam and Australia presented and exchanged global/regional/national activities, practices and applications in the land administration field.

At the International Workshop on Asia and Pacific Metadata Profile, invited presentations and discussions were made on regional ISO metadata profiles, ANZLIC ISO Metadata Profile, UN Geographic Information WG (UNGIWG) ISO Metadata Profile, FAO GeoNetwork opensource software for implementing the ISO metadata standard, and PCGIAP Metadata Profile Survey & resulting draft ISO Metadata Profile for Asia and the Pacific.

In PCGIAP plenary sessions, activities and progress of work plans since the 13th PCGIAP Meeting on 12-15 June 2007 in Seoul, Korea were reported respectively at the Executive and Working Group level. Also presented were reports from related organizations including GSDI Association, ISCGM, FIG and WHO SALB project. A national report on Emergency Mapping for Wenchuan Earthquake, presented by the State Bureau of Surveying and Mapping of China, demonstrated the valuable role of National Mapping Agencies in response to disasters and was hence found to be inspiringly impressive by the participants. In parallel Working Group sessions, work plans in each field for the next year were discussed and redefined.

The meeting was successfully concluded adopting five resolutions. The next PCGIAP meetings are tentatively planned to take place as follows:

- PCGIAP Executive Board Meeting
19-20 May 2009, Xi'an, China
- 18th UNRCC-AP/15th PCGIAP Meeting
26-30 October 2009, Bangkok, Thailand
- 16th PCGIAP Meeting in conjunction with GSDI-12, October 2010, Singapore.



Mr. Peter Holland, President of PCGIAP

Release of Land Cover and Percent Tree Cover Data of the Global Map Version 1 (Global Version)

Futoshi Akatsuka
ISCGM Secretariat

The Global Map Version 1 (Global Version) data were made available to the public from the website of ISCGM on June 5, 2008. The data have been provided in two categories, i. e. Land Cover and Percent Tree Cover.

In response to the resolution from the 14th Meeting of ISCGM pertaining to the release of Global Map with user friendly formats in addition to the officially formatted Global Map, the Secretariat of ISCGM released image data of Global Map Version 1 (Global Version) on August 5, 2008.

The image data were created in TIFF format from Land Cover data and Percent Tree Cover data, respectively. In consideration of the data size for

provision on the Internet, the TIFF data were divided into 72 tiles. Respective TIFF data are attached with a world file, which, therefore, can be treated as data with positional information in GIS and other software. The details of each TIFF data are described in a meta data file attached to the downloaded file.

Apart from the image data, sample images are also made available to anyone who wishes to use the image for illustration among other purposes. The sample images of global Land Cover and Percent Tree cover, formatted in JPEG, are provided in Mollweide Projection and Geographic coordinate systems. Each file can be downloaded in low resolutions [image size 2400 x 1200 (pix.) (approx. 1.5 MB)] and high resolutions [7200 x 3600 (pix.) (approx. 11 MB)].

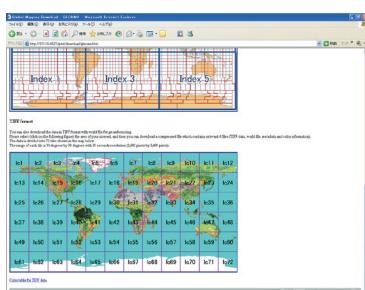


Figure 1: Download page of Land Cover in TIFF format



Figure 2: Example of display: Percent Tree Cover in TIFF format (ve23)

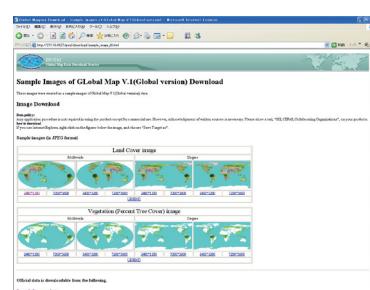


Figure 3: Download page of sample images

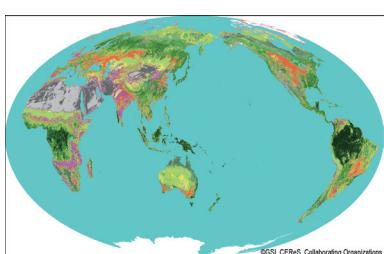


Figure 4: Global Mollweide Projection (the Pacific Ocean as center)/ JPEG image of Land Cover data



Figure 5: Global Geographic coordinate systems (the Atlantic Ocean as center)/ JPEG image of Percent Tree Cover data

The data introduced here are downloadable from each download page by logging in the download page of the website of ISCGM (New users need user registration.):

<http://www.iscgm.org/login.html>

From the current ISCGM website, Global Map Version 0 prepared from existing geographic information, and Global Map Version 1 (National and

Regional versions) prepared by NMOs of respective countries are also provided in addition to the Global Map Version 1 (Global Version) introduced here.

The Secretariat of ISCGM is also working on these data to provide them in user-friendly formats. We make every effort for the development and dissemination of Global Map so that Global Map data can be used widely.

Official Utilization of Macedonian Data in New Topographic Map

Prof. Dr. sc. Bashkim Idrizi

State University of Tetova, Macedonia



Prof. Bashkim Idrizi

After its independence, in a period from 1991 up to year 2003, the Macedonian national cartography was in stagnation. In that period, all capacities of Macedonian National Mapping Organization

(NMO) were oriented only on developing new real estate cadastre. First beginnings of national cartography relates to year 2003, with preparation works for Global Mapping project and topographic mapping.

Macedonian Global Map data is the first official national Macedonian cartographic product after its independence. At the same time it is the first European data released within the Global Mapping project.

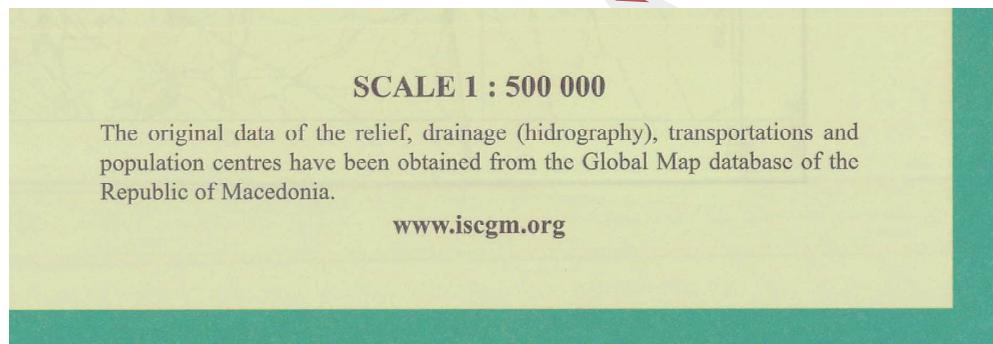
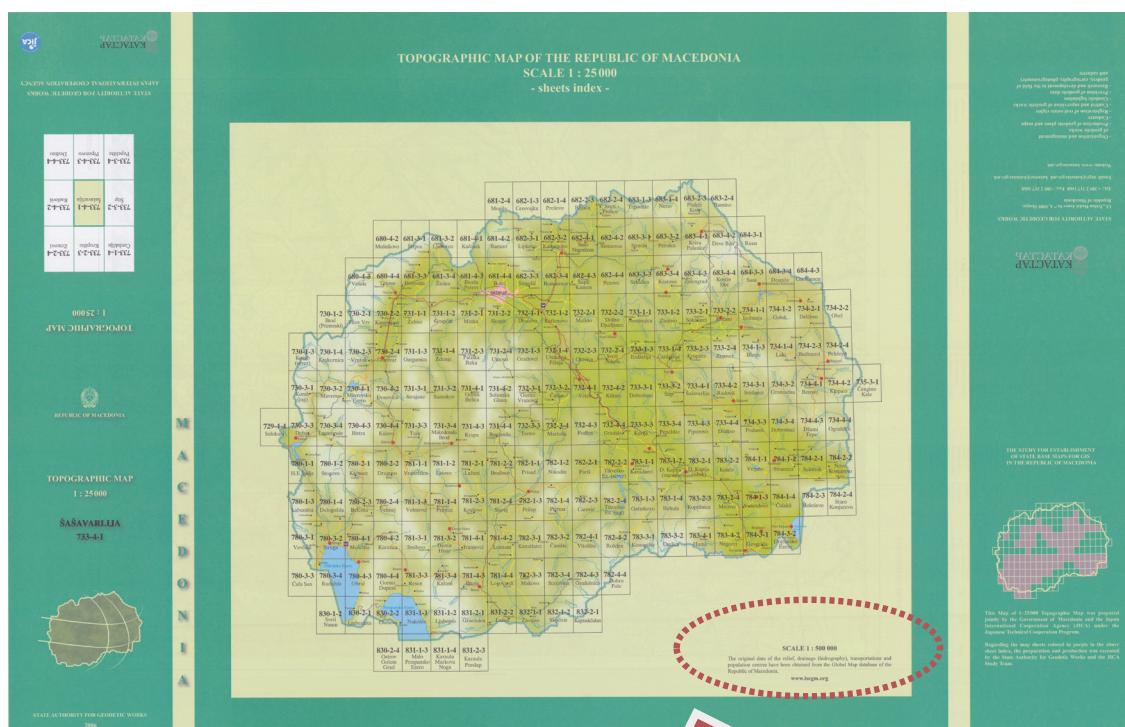
The first own topographic maps of the Republic of Macedonia were published in year 2006, as a result of successfully completed project with a title "The study for establishment of state base maps in the

Republic of Macedonia," in cooperation between the State Authority for Geodetic Works as Macedonian NMO and Japan International Cooperation Agency (JICA) as a representative of Japanese Government. During the project, 60% of the territory have been covered with new topographic maps in a scale 1:25000 in digital and paper forms. With the aim to make more simply finding out the tile number and name of needed map, in a back site of paper topographic maps is given the "sheets index" map for the whole territory of Macedonia, based on tiling system of Macedonian topographic maps in a scale 1:25000.

The "sheets index" map has two categories of data, i.e. special and background. Special data represents the tiling system, and the background is obtained from the Macedonian GM data with the role to make which places in which topographic map to be found more visible and clear. Background is composed of four Macedonian GM layers, three vector layers and elevation data from raster layers. Vector layers have been used in total, except the boundary layer. From the boundary layer, only the national boundary has been used as a part of background of "sheets index" map.

With a view to making Global Map data closer to all stakeholders and customers of new topographic maps, in a right-down site of "sheets index" map exists the text which makes clear source of the data used for the background of Index map. It is pointed out that relief, hydrography, transportations and population centers are obtained from Global Map data of Macedonia, followed by the ISCGM's web address. It is the first official utilization of Macedonian Global Map data in Macedonia.

As can be seen on the map shown below, the center part of the back site of all Macedonian topographic maps in a scale 1:25000 produced after year 2004 has the same view.



The "sheets index" map on the back site will probably initiate the interest of all of its users for searching on ISCGM's web site for other GM data.

From the above text, we can summarize that the date of publishing of new Macedonian paper topographic maps in a scale 1:25000 at the same time presents the date of the first official utilization of Macedonian Global Map data.

We hope for further official usages of GM data by the other scientific, educational, governmental, nongovernmental and private organizations in Macedonia.

From the Secretariat

A Report related to the G8 Hokkaido Toyako Summit

Various events under the theme of environment were held at many places in Japan, a country to host the G8 Summit in 2008. At the events, a Global Map booth was set to introduce the role and application of Global Map in environmental issues using panels and video presentations, where pamphlets on Global Map were also distributed. Especially, many visitors took interest in the global Percent Tree Cover Map of 2 meters by 3 meters placed on the floor of the booth.



Integrated Exhibition of the Environment in Celebration of the Hokkaido Toyako Summit (at Sapporo Dome)



Global Map was also used in a display on which the base areas for environmental technologies flash.

Global Map Data Release and Participation in the Global Mapping Project

Since the last issue of the newsletter on June 25, 2008, Global Map Syria was released on August 13. With the participation of Bulgaria on September 16, currently 164 countries/16 regions participate in the Project.

Global Map and Related Meetings

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

2008

- **13 - 17 October, Jena, Germany**
GOFС-GOLD Symposium on Forest and Land Cover Observation
- **10 - 14 November, Colombo, Sri Lanka**
The 29th Asian Conference on Remote Sensing (ACRS)
- **26 - 30 November, Tunis, Tunisia**
GEO - Tunis 2008
- **4 - 5 December, Tsukuba, Japan**
ISO/TC211 27th Plenary

2009

- **3 - 8 May, Eilat, Israel**
FIG Working Week and the XXXII General Assembly
- **24 May, New York, USA**
UNRCC-Americas
- **28 - 29 May, Molde, Norway**
ISO/TC211 28th Plenary
- **15 - 19 June, Rotterdam, Netherlands**
GSDI 11: Eleventh International Conference for Global Spatial Data Infrastructure
- **26 - 30 October, Bangkok, Thailand**
18th UNRCC-AP/15th PCGIAP Meeting
- **15 - 22 November, Santiago, Chile**
XXIV International Cartographic Conference (ICC 2009)

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