



NEWSLETTER

GLOBAL MAPPING

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Technological Development Trends

Integrated the Republic of Kosovo in the Global Map

Prof. Dr. Murat Meha

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Author

Technological innovations in the digital field have advanced further with big steps, through which the management of spatial data has benefited from, in relation to the environment as well as, to the cadastre on achieving accuracy and quick services for the property. At the beginning of this millennium, the value and importance of geographical data has had enormous enhancement along with the growth of the number of our planet's inhabitants. Positive technological trends have positive impact in Kosovo, such as citizens became more aware and interested about the property, an increase of responsibility, and reflected transparency.

Respectively, the Kosovo Cadastre Land Information System (KCLIS) presents the connection between the judicial and graphic ingredients in a document. Likewise, the KCLIS provides the cadastre with quick, qualitative, and stable services in the data course; therefore, it does not contribute towards creating stock data.

Moreover, managing the relations among people and land has always been characterized as a complex and fragile issue, thus, it has lead to the necessity of creating maps. The Global Mapping Project (GM) has made a great support and impact over different map users and professionals, in these terms, by enabling good practices to understand the terrestrial globe, also to notice global changes and impacts. The infrastructure of spatial data, managed on the national level through the NSDI, is being used as the best information to take decisions of the local governing related to the land administration and management, whereas, in the global level it is managed through GM. Small countries are satisfied when participating in major and important global projects, like GM.

Republic of Kosovo in figures:



| | |
|--|------------------------|
| AREA | 10 908 km ² |
| BORDER LINE | 744 km |
| CADASTRAL ZONES | 1302 |
| MUNICIPALITIES | 38 |
| MUNICIPAL CADASTRAL OFFICES | 38 |
| GEODEMIC NETWORK REFERENT POINTS - 1st ORDER | 32 |
| GEODEMIC REFERENT NETWORK POINTS - II nd ORDER | 397 |
| CADASTRAL PARCELS | 2 million |
| OWNERS | 460 000 |

Therefore, the Republic of Kosovo, from August 19th, 2011 has become a part of the Global Mapping Project hence, the Cadastral Agency of Kosovo with absolute dedication fulfills the required criteria established by GM. With great pleasure and respect, we are very thankful to the Japan Government for investing in GM, which is very valuable and important in the global level.

UNGGIM Hangzhou Forum and PCGIAP Board Meeting

Kazushige Kawase

Director, International Affairs Div., Planning Dept., GSI



Participants of Hangzhou Forum on UNGGIM

Hangzhou Forum on United Nations Global Geospatial Information Management (UNGGIM) and Board Meeting of the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP) were concurrently held in Hangzhou, China from May 24th-26th. The forum was attended by 106 people from National Mapping Organizations (NMOs) of 24 countries and related international organizations. Dr. Hiroshi Murakami, Director-General of Geospatial Information Dept. and Vice President of PCGIAP, and Mr. Shigeru Matsuzaka, Executive Officer for International Observation and PCGIAP WG1 Chair, from Geospatial Information Authority of Japan (GSI) and other two persons participated in the meeting from Japan.

In the forum from 24th-25th, Director of UN Statistics Division, Director General of National Administration of Surveying, Mapping and Geoinformation (NASG) and Vice Minister of Ministry of Land and Resources, Vice Governor of People's Government of Zhejiang Province, and Deputy Director of NASG delivered messages at the opening.

Following the opening, the forum was divided into the following six sessions where key note lectures introducing their respective activities were given followed by discussions:

“Future Trends in Geospatial Information Management”

Director General and Chief Executive of Ordnance Survey, U.K. explained about the drafting of future vision paper for the next five to ten years. Its interim draft will be presented at the Second Session of the UNCE-GGIM to further solicit opinions and the final document is scheduled to be presented at the Second High Level Forum in February 2013. Two side events related to geospatial information including Global Map to be held in the Rio+20 were also introduced.

“Emerging Trends in Institutional Arrangement”

Examples of challenge recovery in data sharing among government departments were introduced from Hong Kong SAR,

China, and activities on INSPIRE and EuroGeographics were presented from Finland. Discussions were done as to whether or not it is agreeable to set up a law enforcing data sharing on other organizations.

“Evolving a New Geodetic Positioning Framework”

Re-survey of control points caused by the Great East Japan Disaster and the effort for establishing the Asia-Pacific Reference Frame (APREF) were introduced by Japan, the Global Geodetic Observing System (GGOS) was presented by Australia, and a possibility of coordination between UN-GGIM and GGOS Interagency Committee (GIAC) was raised.

“Considerations of Data Quality Assurance Framework”

Examples of quality assurance of cadastral data were introduced by New Zealand and so did the present status of the quality assurance in developing geospatial information through crowd sourcing by Republic of Korea. Issues concerning the framework of the quality assurance based on the current ISO 19XXX series were also discussed.

“New Model in Data Sharing and Dissemination”

An effort for sharing geospatial data on the Web, its future challenges and outlook were introduced by the Philippines. The business model of the Ordnance Survey was presented by U.K. Issues on matching and co-existence of voluntary-based data by unspecified many persons and data authorized by NMAs were raised.

“Discussion on a Statement of Ethics on Global Geospatial Information”

Moderated by the Director of the U.N. Statistics Division, whether or not the statement of ethics is fundamentally necessary, and if necessary, what items should be included were discussed. As a result, reflecting the opinion of almost necessary, it was decided that a WG will be established at the Second Session on the UNCE-GGIM, a draft statement will be presented at the Second GGIM High Level Forum, and an effort will be made toward the adoption of the draft at the Third Session of the UNCE-GGIM.

At the conclusion of the forum, Summary Panel was held where an outcome of the forum was finalized.

At the PCGIAP Board Meeting held on the 26th, each WG Chair reported on the status of preparing a report to be submitted to the 19th UNRCC-AP in October. After that, a draft program of the 19th UNRCC-AP was discussed. As a result, it was decided that a relevant material will be prepared with the theme, “UNGGIM vision for Asia and the Pacific Region.”

GSDI 13 and Informal Meeting of ISCGM in Quebec

Yoshikazu Fukushima
Director-General, Geocartographic Dept., GSI
Secretary General, ISCGM



Prof. Taylor at GSDI 13

The 13th Global Spatial Data Infrastructure World Conference (GSDI13) was held at Quebec Conference Center in Quebec City, Canada, from May 14th-17th. The theme of the conference is Spatially Enabling Government, Industry and Citizens. Honorable Joe Oliver, Minister of Natural Resources of Canada, welcomed all of attendants and addressed importance of geospatial information in various applications including environmental concern on major pipelines and hydrographic power in Canada.

The GEOmatics for Informed Decisions (GEOIDE), co-organizer of the conference, is managing research programs in the field of geomatics. GEOIDE network has carried out total 121 research project by 79 mil. Canadian dollars since 1999. It helps to drive the research and development of new geomatics via multidisciplinary collaboration. Many results of the research programs were presented in the conference.

Mr. Shukle, Director General of Mapping Information Branch of National Resources of Canada, gave an overview of Canadian spatial data infrastructure including GeoConnections Discovery Portal which is a federal responsibility with developing standard-based Canadian SDI. New Federal Committee on Geomatics and Earth Observation is establishing strategic direction on federal policy, interoperability and infrastructure.

The Arctic SDI project for conservation of natural environment drew attentions on cooperation and development process among respective national mapping organizations. In Arctic, many economic activities require functioning exchange of referenced data to understand impact of climate change, biodiversity management, adaptability and sustainable use of living resources.

Prof. Taylor explained experiences of challenges on operational exchange of data sharing at global levels including Global Mapping and GEOSS. Yoshikazu Fukushima explained progress of Global Mapping and statistics on Global Map users. Users who live in the downloaded area of Global Map are 39%. Users who visited or will visit the downloaded area are 38%. The fact shows that Global Map is used as an NSDI and helps international research including travel.

An informal ISCGM meeting was held in the afternoon on May 15th with seventeen participants. Prof. Taylor encouraged participants in developing Global Map of respective countries. Release of eight countries and five regions of Global Map were reported. The meeting discussed provisional agenda of UNGGIM in August. ISCGM welcomed the agenda and confirmed that NMO should play significant role in mapping for sustainable development.



ISCGM informal meeting participants

JICA “Global Mapping for Sustainable Development” Course Started

Geospatial Information Authority of Japan

The JICA group training course “Global Mapping for Sustainable Development” for the FY2012 has started. This course provides training on the technologies of development, revision and utilization of Global Map by using GIS and Remote Sensing along with the technologies for data provision by using ICT.

One of the goals of this training is for the participants to continue developing, updating and providing Global Map data of their own countries on the basis of the knowledge obtained in Japan. Another goal is to facilitate the use of Global Map data as a basic material for sustainable development, in coordination with relevant organizations within their respective countries.

For this year’s course, seven people from National Mapping Organizations of five countries: Lao P.D.R., Nepal, Senegal, Serbia and Thailand participate in. They are studying at Geospatial Information Authority of Japan (GSI) from May 16th through August 1st.

From the Secretariat

The Nineteenth Meeting of ISCGM

The Nineteenth Meeting of International Steering Committee for Global Mapping (ISCGM19) will be held in conjunction with the Second Session of the United Nations Committee of Experts on Global Geospatial Information Management (UNCE-GGIM). We look forward to your participation.

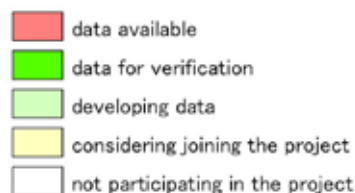
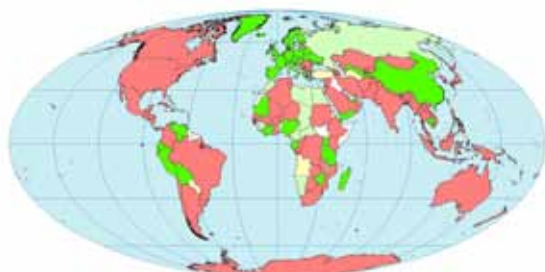
Date: Sunday, August 12th, 2012

Time: 10:00-16:00 (tentative)

Venue: Millennium UN Plaza Hotel, New York, USA

Global Map Data Release and Participation in the Global Mapping Project

Since the last issue of the newsletter on March 25th, 2012, Global Map of Lebanon, Mali and Zambia were released for Version 2 data, all on May 10th. Comoros participated in the project on May 18th. As a result, 166 countries/16 regions currently participate in the project. Among them, data of 76 countries/5 regions have been released (Version 2 data are for 9 countries/1 region).



This map is for the purpose of reference and the boundaries in this map are not authorized by any organizations.

Global Map and Related Meetings

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

2012

- **12 August, New York, USA**
The 19th Meeting of ISCGM
- **13-15 August, New York, USA**
Second Session of the United Nations
Committee of Experts on Global Geospatial
Information Management

- **29 October-2 November, Bangkok, Thailand**
19th United Nations Regional Cartographic
Conference for Asia and the Pacific

2013

- **4-6 February, Doha, Qatar**
Second High Level Forum on Global Geospatial
Information Management



The Newsletter is distributed as information paper on Global Mapping to more than 1,200 people of NMOs, Global Map data users and other interested people of the world. Your contribution of articles, requests for subscription and provision of relevant information will be very much appreciated.

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