

Global Geospatial Information Management (GGIM) – An UN Initiative

An Exchange with the Geospatial Industry for UN-GGIM

23 October 2011, COEX, Seoul, Republic of Korea

PREAMBLE and BACKGROUND

Locationally referenced databases are increasingly important to societies all over the world. Geospatial data and associated policies at regional and global levels are important tools for addressing current cross-border problems such as climate change; natural disasters; environmental quality; disease pandemics; wars; famines; population displacement; migration; and economic crises. In response to these challenges the United Nations has undertaken an initiative known as Global Geospatial Information Management (GGIM) to create a formal mechanism under UN auspices where key issues and potential action can be discussed, and by involving member states as the key players. The High Level Forum on UN-GGIM is scheduled to be held on 24 to 26 October 2011 at Seoul hosted by Government of Republic of Korea.

The geospatial industry is a key stakeholder/player in the creation, management and dissemination of Geospatially based information and in implementing in concrete terms its contribution to the solution of global socio-economic problems. Recognizing this, the UN has taken an initiative to actively engage geospatial industry in the discussions surrounding key issues both of policy and technology. The search for solutions is best found through partnerships and the geospatial industry has a key role to play in this respect.

Over the past few decades the geospatial industry has played a significant role in promoting and providing technology and solutions to create, manage, analyse and utilize Geospatial information worldwide. The last decade in particular has shown that the geospatial industry not only provides requisite technology and solutions but has been the creator and/or the custodian of large amounts of Geospatial information which has been made available members of society through the internet which has brought significant and increasing awareness of the potential of geospatial information by people all over the world.

An exchange forum with Geospatial Industry is being organized as pre-conference activity on Sunday, 23rd October 2011 at Seoul to facilitate the involvement of the geospatial industry at the most senior levels in the discussions surrounding GGIM.

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23 October, Coex, Seoul, South Korea

Scope and Objective:

1. Engage and associate with the Geospatial Industry;
2. Interact and facilitate participation of geospatial industry as an stakeholder in the United Nations Global Geospatial Information Management Initiative;
3. Work together to develop geospatial information and tools for meeting the current global challenges as outlined in the United Nations GGIM strategy document;
4. Create awareness and promote utilization of geospatial information at various levels;
5. Develop tools and solutions for setting up geospatial data infrastructure and dissemination of geospatial data to people;
6. Develop frameworks and mechanisms for making use of spatial data available in the private sector (for instance Google Earth/Map, Microsoft Bing Maps, ESRI's Geography Network) for the purposes of meeting the goal of GGIM to contribute to millennium development goals;
7. Identify and incorporate views and suggestions of the geospatial industry towards developing geospatial policy framework and capacity building.

Methodology and Guidelines:

An Exchange Forum with the Geospatial Industry may serve above laid out objectives and to achieve this by the following methodology and guidelines:

- 1. Identification of themes and issues linking Geospatial Industry with GGIM**
 - a. Role of Geospatial Industry in creating awareness and utilization of geospatial information in contribution to the solution of global development challenges
 - b. Development of technologies and solutions for setting up geospatial data infrastructure at national, regional and global levels; and
 - c. Sharing of geospatial information available with geospatial industry for GGIM initiative
 - d. Role and relevance of Geospatial Industry towards development of Geospatial Policy Framework and Capacity Building

2. Identification of speakers representing Member States, United Nations and Geospatial Industry to address above identified sub themes
 - a. “Challenges in Geospatial Policy Formulation and Institutional Arrangement”
 - i. Lawrie Jordan, Director of Imagery, Esri
 - ii. Kumar Navulur, Chief Technology Officer, DigitalGlobe
 - iii. Paul Cheung, Director of Statistics Division, United Nations
 - iv. Paulo Bezerra, Managing Director, MSS and GSI, MDA
 - v. Luiz Paulo Fortes, Director, IBGE, Brazil
 - b. “Developing Common Frameworks and Methodologies”
 - i. Bryn Fosburgh, Vice President, Trimble Inc.
 - ii. Steven Hagan, VP, Product Development, Oracle
 - iii. Juergen Dold, President, Hexagon Geosystems, Switzerland
 - iv. Sanjay Krishnaa, Vice President – N & CE APAC, Europe & Middle East, Infotech Enterprises Limited
 - v. Vanessa Lawrence, Chief Executive, Ordnance Survey of Britain
 - c. “International Coordination and Cooperation in Meeting Global Needs”
 - i. Michael Jones, Geospatial Technology Advocate, Google Inc.
 - ii. Arnulf Christl, President, OSGeo
 - iii. Willy Govender, CEO, DataWorld, South Africa
 - iv. Kyoung-Soo Eom, Chief of Cartographic Section, United Nations
 - v. Prashant Shukle, Director General, NR Canada
 - vi. Hwajin Chang, Vice President, Samsung SDS
 - d. “Capacity Building and Knowledge Transfer”
 - i. Todd Oseth, President and CEO, Intermap Technologies
 - ii. Prof. Ian Dowman, Editor – Europe, Geospatial World
 - iii. Deb Jyoti Pal, VP & Head - Technology & Services, NIIT GIS Ltd.
 - iv. Selassie D. Mayunga, Director General, Surveys and Mapping Division, Ministry of Lands and Human Settlements Development, Tanzania
 - v. Aida Opoku-Mensah, Director of ICTs and Science & Technology Division, United Nations Economic Commission for Africa
 - vi. David Stevens, Programme Coordinator, UN-SPIDER, United Nations Office for Outer Space Affairs

3. Moderation and Steering of Exchange Forum

- a. Overall Moderator: Prof. Fraser Taylor, Chair, ISCGM
- b. Moderator of Respective Sessions
 - i. Chair of ISO/TC211
 - ii. President of OGC
 - iii. President of JBGIS
 - iv. External Relations Manager of GEOSS

4. Participants of Exchange Forum

- a. Invitations to the Forum shall be issued through the Host Country (Republic of Korea) and the United Nations jointly
- b. The invitation list will include various stakeholders of GGIM and Industry
 - i. Representatives of Member States jointly selected by South Korea and United Nations
 - ii. Representatives of UN Entities (UNSD, UNCS, UNOOSA and UN ECA)
 - iii. Intergovernmental Organizations (PCGIAP, PC IDEA, CODIST, GEOSS)
 - iv. Representatives of Multilateral Agencies and Professional Societies (ISO/TC211, OGC, JBGIS representing its members)
 - v. Representatives of Geospatial companies (DataWorld, DigitalGlobe, Esri, Geospatial World, Google, Hexagon, Infotech, Intermap, Kokusai Kogyo, MDA, NIIT GIS, Oracle, OSGeo, PASCO, Samsung SDS, TomTom, and Trimble)

5. Format of Sessions and Guidelines for Participants

- a. Exchange Forum shall be moderated by Prof. Fraser Taylor and he shall develop rules and guidelines for conducting various sessions. However, the following format is suggested:
- b. Welcome Note by Moderator setting the tone of Exchange Forum and providing its objectives, procedures and follow up action ahead
- c. Each Session shall be chaired by professionals of competence representing stakeholders of GGIM.
- d. Each speaker shall be given 12 to 15 minutes for presentation. No questions shall be taken up in between presentations. However at the end of presentations 30 minutes should be provided for discussions and speakers can participate/respond to questions/observations made by participants. Participants may be requested to make it clear if they have a specific question to one of speakers or if they have some observations to add to session.
- e. Session Chairs are advised to identify major issues and viewpoints discussed in the session and submit the same to Moderator at the end of session.
- f. Moderator shall collect all the viewpoints provided to him by session chairs and bring forward the most important points and issues for discussion in the final

panel discussion session. Final panel discussion shall be chaired by the Moderator and representatives of various stakeholders shall be invited to be panelists. Recommended list is given below:

- i. Prof. Fraser Taylor, Chair, ISCGM
- ii. Paul Cheung, Director of Statistics Division, United Nations
- iii. Michael Jones, Geospatial Technology Advocate, Google Inc.
- iv. Greg Scott, Australia Geoscience

6. Recommendations and Conclusions

- a. Recommendations and conclusions shall be drawn based on discussions and dialogue during the exchange forum. The Moderator will be responsible for preparing this.
- b. It is suggested that a brief on recommendations and conclusions shall be presented in Plenary Session of GGIM by the Moderator of the Exchange Forum.

Tentative Outline of Programme Schedule:

23 October 2011

08:00 hrs	Registration
08:30- 08:40 hrs	Opening Remarks by Moderator
08:40 - 8:50 hrs	Opening Speech by Vice Minister, Republic of Korea
08:50-10:30 hrs	“Challenges in Geospatial Policy Formulation and Institutional Arrangement”
10:30 -10:45 hrs	Tea Break
10:45-12:30 hrs	“Developing Common Frameworks and Methodologies”
12:30-13:30 hrs	Lunch Break
13:30-15:30 hrs	“International Coordination and Cooperation in Meeting Global Needs”
15:30-15:45 hrs	Tea Break
15:45-17:45 hrs	“Capacity Building and Knowledge Transfer”
17:45- 18:00 hrs	Tea Break
18:00 – 19:15 hrs	Conclusions and Recommendations

Representatives of Member States:

1. Africa
Burkina Faso, Ethiopia, Nigeria, South Sudan, Sudan, Tanzania
2. Asia
Australia, China, India, Indonesia, Japan, Korea, Malaysia, Mongolia, New Zealand, Singapore
3. Middle East
Bahrain, Jordan, Oman
4. Europe
France, Netherlands, Spain, UK
5. America
Brazil, Canada, Chile, Mexico, USA