

# 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 First UN Forum on 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, 23<sup>rd</sup> October 2011 at Seoul to facilitate the involvement of the geospatial industry at the most senior levels in the discussions surrounding GGIM.

## **An Exchange with Geospatial Industry for GGIM – An UN Initiative**

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 Goolge 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 Programme Management”
  - i. Jack Dangermond, President ESRI
  - ii. Jeffry Tarr, President and CEO, DigitalGlobe
  - iii. Paul Cheung, Director of Statistics Division, United Nations
  - iv. Luiz Paulo Fortes, Director, IBGE, Brazil
  - v. Willy Govender, CEO, DataWorld, South Africa
  - vi. Ivan B. DeLoatch, Executive Director, FGDC, USGS
  
- b. “Common Framework and Tools in GGIM”
  - i. Ola Rollen, CEO, Hexagon
  - ii. Preetha Pulusani, Chief Strategic Officer, Rolta Group
  - iii. Bryn Fosburgh, Vice President, Trimble Inc.
  - iv. Jeff Jonas, Chief Scientist, IBM Entity Analytics, IBM
  - v. Vanessa Lawrence, Chief Executive, Ordnance Survey, UK
  - vi. Guilherme Brehbuhler de Pinho, Director, Fototerra, Brazil
  
- c. “Developing Joint Products in meeting Global Needs”
  - i. Michael Jones, Geospatial Technology Advocate, Google Inc.
  - ii. John Curlander, General Manager, Microsoft
  - iii. Arnulf Christl, President, OSGeo
  - iv. Kyoung-Soo Eom, Chief of Cartographic Section, United Nations
  - v. Prashant Shukle, Director General, NR Canada
  - vi. Soon-Dong Koh, CEO, Samsung SDS
  
- d. “Capacity building & Knowledge transfer”
  - i. Matt O’Connel, CEO, GeoEye
  - ii. Brian Bullock, Chairman, Intermap Technologies
  - iii. Prof. Ian Dowman, Editor – Europe, Geospatial World
  - iv. Aida Opoku-Mensah, Director of ICTs and Science & Technology Division, United Nations Economic Commission for Africa
  - v. David Stevens, UN-SPIDER/ UNOOSA

**3. Moderation and Steering of Exchange Forum**

- a. Moderator: Prof. Fraser Taylor, Chair, ISCGM
- b. Chairs of Respective Sessions
  - i. Representative from ISO/TC211
  - ii. President of OGC
  - iii. President of JBGIS
  - iv. Representative of MAPPS

#### **4. Participants of Exchange Forum**

- a. Participation in the Exchange Forum will be by invitation only
- b. Invitations to the Forum shall be issued through the Host Country (South Korean) and the United Nations jointly and this will be the only invitation route
- c. The invitation list will include various stakeholders of GGIM and Industry
  - i. Representatives of 30 Member States jointly selected by South Korea and United Nations (attached please find a list of member states proposed by UNCS for open to discuss).
  - ii. Representatives of UN Entities (UNSD, UNCS, UNOOSA, UN ECA and World Bank)
  - iii. Intergovernmental Organizations (PCGIAP, PC IDEA, CODIST, Eurogi, GEOSS, CEOS, Asian Development Bank, African Development Bank)
  - iv. Representatives of Multilateral Agencies and Professional Societies (FIG, IGU, OGC, ISPRS, GSDI, ICA, ISO/TC211, IHO, JBGIS, ISCGM, etc.)
  - v. Representatives of 15 – 17 Geospatial companies (ESRI, Hexagon, Trimble, Oracle, Microsoft, Google, Bentley, Rolta, Intermap, TomTom, DigitalGlobe, GeoEye, Astrium, MDA, DataWorld, KIRRA, Fototerra and Samsung SDS)

#### **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
- ii. Jack Dangermond
- iii. Paul Cheung
- iv. Michael Jones
- v. 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

8:30 hrs	Opening Remarks by Moderator
8:40 - 10:30 hrs	“Challenges in Geospatial Policy Formulation and Programme Management”
10:30 -11:00 hrs	Tea Break
11:00-12:30 hrs	“Common Framework and Tools in GGIM”
12:30-13:30 hrs	Lunch Break
13:30-15:00 hrs	“Developing Joint Products in meeting Global Needs”
15:00-15:30 hrs	Tea Break
15:30-17:00 hrs	“Capacity building & Knowledge transfer”
17:00- 17:15 hrs	Tea Break
17:15 – 18:00 hrs	Conclusions and Recommendations

Representatives of 30 Member States:

1. Africa  
Burkina Faso, Ethiopia, Nigeria, South Africa, Tanzania, Sudan
2. Asia  
Australia, China, India, Indonesia, Japan, Malaysia, Republic of Korea, Singapore, Mongolia, New Zealand
3. Middle East  
Jordan, Qatar, Oman, UAE
4. Europe  
France, Germany, Russia, Sweden, UK
5. America  
Argentina, Brazil, Canada, Chile, Mexico, USA