

Second High Level Forum on  
Global Geospatial Information Management (GGIM)

# Exchange Forum with the Geospatial Industry



Doha, Qatar  
February 2013

# Welcome



# The Exchange

- ▶ To facilitate the continued involvement of the geospatial industry at the most senior levels in the discussions surrounding UNGGIM
- ▶ To serve as a means for the industry to ‘tie’ into the GGIM agenda
- ▶ To demonstrate some of the trends and directions in which the industry is heading



# Thank you

- ▶ Government of Qatar
- ▶ Qatar Statistics Authority
- ▶ Kyoung-Soo Eom, Chief Cartographic Section and Officer-in-Charge, Strategic Support Service, Department of Field Support, United Nations
- ▶ Ayako Kagawa, Chief Geospatial Support Unit, Cartographic Section, Strategic Support Service/Logistics Support Division (LSD), Department of Field Support, United Nations
- ▶ United Nations Statistics Division
- ▶ Speakers
- ▶ JBGIS colleagues
- ▶ Participants





- ▶ Global Spatial Data Infrastructure (GSDI) Association
- ▶ IEEE Geoscience and Remote Sensing Society (IEEE-GRSS)
- ▶ International Association of Geodesy (IAG)
- ▶ International Cartographic Association (ICA)
- ▶ International Federation of Surveyors (FIG)
- ▶ International Geographical Union (IGU)
- ▶ International Hydrographic Organization (IHO)
- ▶ International Map Industry Association (IMIA)
- ▶ International Society of Photogrammetry and Remote Sensing (ISPRS)
- ▶ International Steering Committee for Global Mapping (ISCGM)



# Impetus

- ▶ Rapid advances in technology, information access, methodologies and equipment
- ▶ Geospatial information
  - collected, globally, to high precision
  - processed using innovative software applications
  - made available via contemporary communications methods



# Impetus II

## ► Underpinned by

- accurate geodetic data from globally-distributed geodetic infrastructure
- precision data collection methods
- comprehensive analysis tools
- provision of global geospatial information
- integrated data collection and mapping activities
- formalized agreements and specifications
- innovative means for information provision and visualization



# Impetus III

- ▶ Important that Stakeholders in global geospatial information that are involved in:
  - collection
  - delivery
  - representation
  - analysis
  - use
- ▶ Are cognizant of:
  - current technologies
  - equipment
  - methodologies
- ▶ Are aware of:
  - emerging trends
  - developing technologies
  - future geospatial data usage and communication tools





# The Exchange

- ▶ To disseminate information between stakeholders
- ▶ To address how best to future proof the provision of geoinformation through the application of emerging technologies



# Sessions overview



# Schedule

- ▶ Session 1 - Focus issue: Determining place
- ▶ Session 2 - Focus issue: Monitoring place
- ▶ Session 3 - Focus issue: Connecting place
- ▶ Session 4 - Focus issue: Delivering [geoinformation about] place
- ▶ Panel discussion
- ▶ Conclusions and recommendations



# Session 1 - *Determining place*

- ▶ Methods and technologies used to determine place.
- ▶ Focus
  - Advances in geodetic reference frames and techniques
  - Surveying methods and technologies
  - Overarching concepts of geographic information collection and classification
- ▶ How can new technologies be used to facilitate the efficient location of geographic information – from global to local applications?



# Session 2 - *Monitoring place*

- ▶ Advances in remote sensing and imaging, and related technologies
  - continue to make data collection, monitoring and surveillance more efficient.
  - from local to global applications
- ▶ What technologies, strategies and methodologies are essential to facilitate information capture to support global geospatial initiatives?



# Session 3 - *Connecting place*

- ▶ At a global level, just having information available is not enough
- ▶ Need efficient and usable methods, systems and agreements for:
  - management
  - access
  - dissemination
- ▶ What are the the advances in research and development and current initiatives for better access and use of geospatial data and information?



# Session 4 - *Delivering [geoinformation about] place*

- ▶ Need to have systems and standards in place for efficient production and delivery
- ▶ Rapid advances
  - combining electronic production and publishing methods with contemporary communications systems
  - output and delivery
- ▶ What are the current and developing technologies for production and delivery of authoritative data and information for decision-makers?



*Panel discussion*

*Conclusions and  
recommendations*





# Format

- ▶ Overview by the session chair
- ▶ ‘Scene-setting’ key presentation
- ▶ 3 ‘lightning talks’
  - JBGIS representative
  - Industry/research presenter
  - Government presenter
- ▶ Q & A and Discussion
  
- ▶ Summary by rapporteur (chair)



# Panel discussion

## ▶ Chair

- moderator

## ▶ Participants

- all speakers from the Exchange sessions



# Conclusions and recommendations

- ▶ Report of the Exchange presentations and discussions
  - Prepared by members of JBGIS
- ▶ Summary to be provided to the Plenary Session of the High Level Forum of GGIM



# Future Proofing the Provision of Geoinformation: Emerging Technologies

