

UN-GGIM Working Group on Trends in National Institutional Arrangements for Geospatial Information Management

2014 – 2015 Work plan

Singapore : The work plan and the road map need to include plans for fulfilling the expected results specified in TOR, para 4x. Some form of consolidation and analyses on the 3 work streams would be expected in deriving the indices and characteristics of effective NIAs.

Chairman : These plans will be those agreed and developed within the NIA group.

In order to accomplish the overall objective of the group of identifying best practices on geospatial institutional arrangements, as defined in this Working Group TOR, the group will carry on a detailed analysis focused on 3 main issues: geospatial information business models, structure of geospatial information management organizations and the role of people as active stakeholders in geospatial information systems.

1. Geospatial Information (GI) business model analysis

1.1 GI production systems analysis

- Real user needs in GI and Geospatial Reference Information (GRI).
- Review and description of existing data capture and creation systems.
- Review and description of current geographic data management systems: maintenance, analysis, transformation, storage.
- Analysis of geographic data life cycle. How production systems deal with information update.
- Identification of inefficient gaps in current production systems.
- Ways of changing to best practices on GI and GRI production.
- Impacts of change in production systems.
- Definition of GRI and Core Geospatial Reference Information (C-GRI).

1.2 Funding structures in Geospatial Information

- Analysis of current funding models.
- Identification of main threats on sustainability of current funding structures.
- Successful models of sustainable funding for GRI and GI.

1.3 Dissemination systems in Geospatial Information

- Current trends in GI, GRI dissemination.
- Identification of main obstacles preventing wide spread of GI.
- Analysis of the impact of ever changing technologies on GI dissemination.
- Best practices in GI, GRI dissemination.

1.4 Data policy models

- Analysis of current situation on GI and GRI data policies.
- Identification of gaps in current data policy structures.
- Successful examples on GI data policy in public and private sector.

2. Structure of Geospatial Information Management Organizations

- Types of entities: government (federal, provincial and local), private, NGOs.
- Formal and informal GI organizational structures.
- **Leadership**.
- Governance policies and legislation.
- Linkages and network among entities and their communication mechanisms.

Japan: Does the Leadership mean to identify the person (or organization) who takes the leadership? I think the meaning of leadership should be clear in this context.

Chairman: It refers to organisations that usually leader the national institutional arrangements.

UN: Successful GIM requires Leadership. Management theorists speak of many types of leadership styles. The working group should identify the types of leadership (characteristics, styles etc) required to successfully operate and sustain GIM.

3. The role of people as users and producers of GI (VGI)

Japan: , I cannot understand VGI. Of what VGI is abbreviation? I think the explanation of VGI is needed

Chairman: VGI is volunteered geographic information – that is, geographic information actively and voluntarily collected by members of the public (the best known example being OpenStreetMap) – may be provided free at the point of use.

- Citizens as active stakeholders in GI production, dissemination and consumption.
- Impact of volunteer geographic information and crowdsourced data on GI systems.
- Best practices on involving people on GI systems.

UN-GGIM – NIA Sub-groups

In order to develop this Work Programme several sub-groups shall be established. Each of these sub-groups will have a coordinator in charge of organizing tasks, fostering participation and engaging representative new members coming from the regional geospatial information community if needed.

- **WG1:** GI production systems analysis (work plan 1.1).
- **WG2:** GI funding structures, dissemination systems and data policy models (work plan 1.2, 1.3, 1.4).
- **WG3:** Structure of GI management organizations and the role of VGI (work plan 2, 3).