Working Group 4

Meeting Report
Of Cadastre and Land Management

19 October, 2016
Kuala Lumpur, Malaysia

Chair
Prof. BG Lee, Republic of Korea

Vice Chair
Mr. Ali Bakar Kasim, Brunei Darussalam
Mr. Azamat Karypov, Kyrgyzstan
Mr. Gankhuyag Radnaabazar, Mongolia
Dr. Luu Van Nang, Viet Nam

Mr. Zhao Yousong, China
Dr. Teng Chee Hua, Malaysia
Mr. Soh Kheng Peng, Singapore
Mr. Solomon Nata, Fiji
WG4 Meeting

- Theme: Review of WG activities 2015-2016 and Plans of WG activities 2016-2017
- Room: Vanda 1, ParkRoyal Hotel
- Participants(12):
  - Australia, Brunei, Fiji, GLTN, China, Japan, Singapore, South Korea, World Bank
<table>
<thead>
<tr>
<th>No</th>
<th>Activities/Steps</th>
<th>period</th>
<th>Targeted goals</th>
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| 1  | Identify land issues in Asia and the Pacific region  
|    | • Conduct the 1st and 2nd questionnaires;  
|    | • Investigate status of land management situation in cultural, social, administrative and technical environments at different levels;  
|    | • Analyses results of the responses using matrix analysis between demands (needs) and supply (capability). | 2015-2017 | • 1st survey analyses draft in the middle of 2016; 2nd final report for land issues in the end of 2017. |
| 2  | Propose affordable framework and good practices for Asia and the Pacific region  
|    | • Identify the concepts and goals of land administration and management for AP region;  
|    | • Review and analyse the land administration efforts experienced in developed and developing countries;  
|    | • Share the results of reviews and get feedback on the distributed documents;  
|    | • Propose affordable framework and country profile considering existing standard model and approach for land administration and management by working with international organisations. | 2016-2018 | • 1st draft in the end of 2016; 2nd draft in the end of 2017; final report in the middle of 2018.  
|    | | | • Affordable framework and country profile will be finalised by the middle of 2018 through cooperation effort among chair and vice-chairs’ countries. |
| 3  | Disseminate good practices and enhancing training and capacity development  
|    | • Propose the strategies for geospatial-enable land management, capacity building, and cost-effective implementations;  
|    | • Disseminate the affordable framework and good practices to get comments on and revise it;  
|    | • Make a liaison with UN-GGIM Expert Group on Land Administration and Management;  
|    | • Hold regional workshop, training and seminars. | 2016-2018 | • regional workshop in conjunction with UN-GGIM-AP Plenary meeting contributed by Malaysia Vice-Chair of WG4  
|    | | | • 2 or 3 training or seminars co-organised with international organisations(UN-Habitat/GLTN, UNESCAP, ISO/TC211 and etc.) or liaison group (UN-GGIM). |
A Conceptual Model for Cadastre and Land Management

Business Reference Model

Analysis Business Processes

Application Reference Model

Application Components for Supporting Business

Data Reference Model

Data Standards and Information Transfer

Technical Reference Model

Architecture and Standards for Systems & Resources
Agend 1: Land Management of Legal and Institutional Framework

**Legal Aspects**
- Laws
- Bylaws
- Policies

**Institutional Aspects**
- Institutional Structure
- Responsibilities
- Institutional Interface
Agenda 2, Integrated land management for sustainable development

**Land Policies**
- Overall Land Policies
- Sectoral Land Laws and Policies
  - Agriculture
  - Environment
  - Water Supply
  - Housing
  - Heritage
  - Natural Resources
  - Sectoral Programme

**Land Use Management**
- Regional and Local Spatial Planning
- Construction Planning

**Implementation**
- Planning Permissions
- Building Permits
- Sectoral Land Use Permits

**Land Information**
- Land Data Registers
  - Land Tenure
  - Land Value
  - Land Use
- Cadastral Mapping
- Topographic Mapping
- Natural Resource Maps
- Utility Mapping
- Coordinated Land Information Systems

**Implementation for Sustainable Development**
Agenda 3: Coastal Area Management

Integrated Coastal and Land Area Management Model

Coastal Area Management
- Sea Level Rise
- Monitoring
- Ocean Wave
- Tide
- Strom Surge
- Tsunami
- Beach Erosion
- Coastal Hazard

Land Management
- Land Tenure
- Land Use
- Land Value
- Land Development
Agenda 4: Working Group Website

http://bsn.ngii.go.kr/ggim-ap-wg4
Recognizing that WG4 focuses on judicial, regulatory, fiscal, and information for cadastre and land management;

Recognizing that the capacity to build legal and institutional frameworks for land management is equally important for developing and developed countries;

Recognizing also that sustainable land development is dependent on legislative and institutional systems;

Recognizing the need to provide lawmakers and policymakers in developing countries with practical information and guidance to understand, develop and strengthen the legal and institutional capacity for land management issues;

Noting that the integration of land information and cadastre is crucial for land administration, especially in developing countries;

Further noting that the 6th session of UN-GGIM proposed a coastal area management agenda in their Land Administration and Management working group.
Recommends that UN-GGIM-AP:

Supports the development of legislation, institutional arrangements, databases and maps, as well as the funding mechanisms required to implement and maintain an affordable land administration system based on land rights, land use, and land development;

Further develop coastal area management models for GIS applications in Member States;

Encourage NGIAs to engage in and contribute to effective coastal area management and administration systems with their fundamental data;

Share information related to Cadaster and Land Management through the WG4 website (http://bsn.ngii.go.kr/ggim-ap-wg4).
Thank you