Working Group 4 (Cadastre and Land Management)

Status Report

17 October, 2016 Kuala Lumpur, Malaysia

Chair

Prof. BG Lee, Republic of Korea

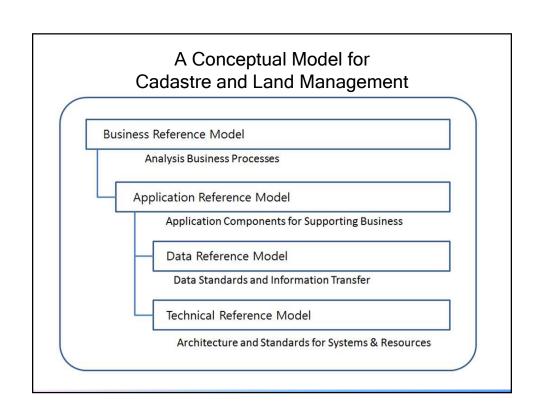
Vice Chair

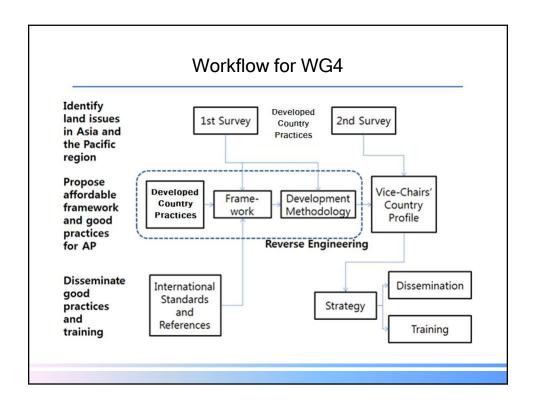
Mr. Ali Bakar Kasim, **Brunei Darussalam**Mr. Azamat Karypov, **Kyrgyzstan**Mr. Gankhuyag Radnaabazar, **Mongolia**Dr. Luu Van Nang, **Viet Nam**Mr. Zhao Yousong, **China**Dr. Teng Chee Hua, **Malaysia**Mr. Soh Kheng Peng, **Singapore**Mr. Solomon Nata, **Fiji**

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No	Activities/Steps	period	Targeted goals
1	Identify land issues in Asia and the Pacific region Conduct the 1st and 2st questionnaires; Investigate status of land management situation in cultural, social, administrative manual environments at different levels; Analyses results of the responses using matrix analysis between demands (needs) and supply (capability).	2015-2017	1" survey analyses draft in the middle of 2016; 2"d 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	Ist 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 its; Make a liaison with UN-GGIM Expert Group on Land Administration and Management; Hold regional workshop, training and seminars.		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).





Characteristics of the Questionnaire

For Vice Chair Countries
(Brunei Darussalam, China, Fiji, Kyrgyzstan, Malaysia, Mongolia, Singapore, Viet Nam) + 1

Questionnaire I

A. Country Information

1)Country 2)Name 3)Institution 4)Position 5)Contact 6)E-mail Address

B. General Status of Nation

- Please describe the total population and the population rates for urban and rural areas.
- 1) Total population: 2) Urban population ratio: 3) Rural population ratio
- 2. What is the total area of nation and the ratio for each category of land respectively?
 - 1) Total area of nation 2) Farm land 3) Forest land 4) Building site
 - 5) Undeveloped land and etc.
- C. Land Related Law System
- D. Land Investigation and Registration
- E. Utilization of Land Information
- F. Land Management Information System

C. Land Related Law System

I. Establishment of Law System

- 1. Do you have a law system regarding the management and operation of land?
- 2. Do you include the contents of spatial information in the land related law system?
- 3. Regarding the management and operation of land, do the roles of the central and the local governments differ?
- 4. Regarding the management and operation of land, are the roles between the central and the local governments well established?
- 5. Please check on all the major roles of central government regarding the management and operation of land.
- Please check on all the major roles of local government regarding the management and operation of land.

II. Ownership and Operation of Land

- 1. Who has the main ownership of land?
- 2. Is the registration of land ownership mandatory or optional?
- 3. What is the type of land ownership?
- 4. What is the method for the transaction of land?
- 5. What is the type of the period of land ownership?
- 6. What is the range for the exercise of rights for land?
- 7. Is land ownership approved for foreigners?
- 8. Are the agents for registration of land and management of land register separated?

III. Topographic Map and Cadastral Map

- Is your country using a united survey control point?
- 2. Is your country using a united coordinate system?
- 3. Are you constructing each topographic and cadastral map respectively?
- 4. Are the agents for the management of topographic and cadastral maps different?
- 5. What is the current status for the construction of topographic map?

D. Land Investigation and Registration

- 1. Are you surveying for land investigation and registration?
- 2. If the survey mentioned in the question above is carried out, does the survey related license exist?
- 3. When was the time you started to register land by document through land management system?
- 4. Did you complete the registration of your country's whole land by document through land management system?
- 5. When was the time you started to draw up the maps of land through land management system?
- 6. Did you complete the maps for your country's whole land through land management system?
- 7. If you have a map (cadastral map), what is the scale of the map?

E. Utilization of Land Information

- Please select all the options that you think necessary for real estate related administrative documents.
- 2. Please select all the options that are included in your cadastral map and register information.
- 3. Please select all the options that are included in major civil complaint relating to the land
- 4. Please select all the options that are included in major land related administrative tasks.

F. Land Management Information System

- 1. Is there a system operated to manage land register and land map?
- 2. Do you manage land register and land map (cadastral map) by linking them together?
- 3. If there is an information system being operated to manage land register, what is the corresponding region?
- 4. Is there is an information system operated to manage land map, what is the corresponding region?
- 5. Is the institution that manages the systems for land register and land map identical?
- 6. If you have land maps (cadastral map) in digital version, what is the type of its format?
- 7. If there is a land related information system constructed, please select all the types of security method in use.

Questionnaire II

I. Type of a Country

System and Foundation

- Human Factor
- Condition of Infrastructure
- II. Requirement Level
- National Policy
- Cadastral, Topographic and Estate Information
- III. Current Status of Construction
- Construction of GIS data
- Current Status of Construction of Land Management System

I. Type of a Country

(System and Foundation)

- Is there a country's long term spatial information plan established?
- Is there a general plan established at national level for the construction of land information system?
- Is there a law/system organized to construct and operate land information system?
- Do you have an organization which can comprehensively carry forward the land information system for the whole nation?

(Human Factor)

- Is there any inconvenience regarding the system connection and information sharing among various public institutions in the country?
- If a system which can manage land information is developed, is there a basic environment(networks and hardware) prepared to utilize this system for related government institutions?

(Condition of Infrastructure)

 If a system which can manage land information is developed, is there a basic environment(networks and hardware) prepared to utilize this system for related government institutions?

II. Requirement Level

(National Policy)

• What would be the one thing that should be done most urgently for your country regarding the construction of land information system?

(Cadastral, Topographic and Estate Information)

- If cadastral and topographic information are constructed, can they be operated with the connection between them?
- If cadastral and estate(registration, trading, price, building etc) information are constructed, can they be operated with the connection between them?

III. Current Status of Construction

(Construction of GIS data)

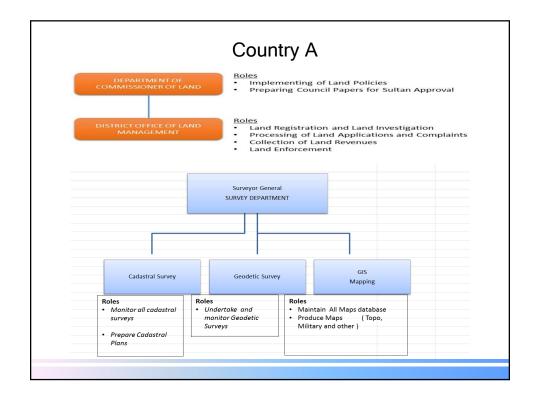
- Are topographic information constructed in forms of digitalized information(features and properties) for the country's whole area?
- Are all the information of the country related to land management constructed through digitalization?
- Do you have an organization which can comprehensively carry forward the land information system for the whole nation?

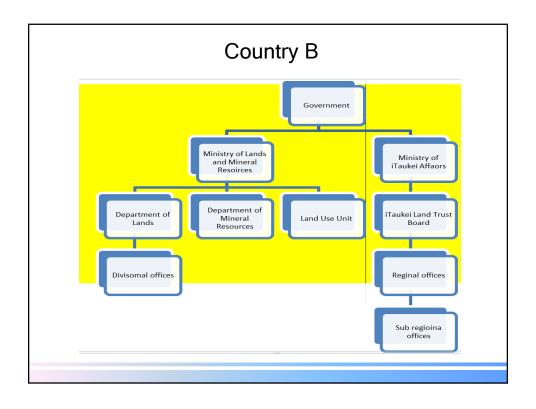
(Current Status of Construction of Land Management System)

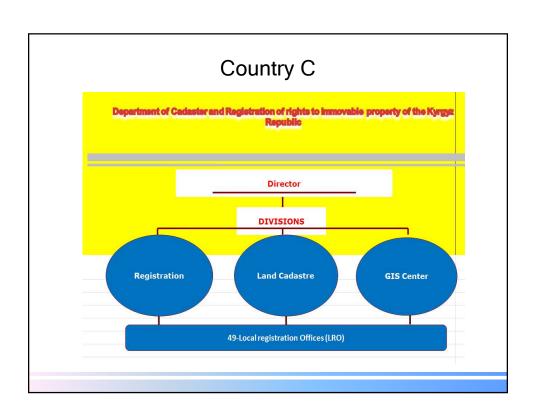
- What is the level of construction regarding registration and management of land information?
- What is the level of construction of functions in order to utilize them for land usage plan and various administrative tasks?
- What is the level of construction of functions regarding civil compliant and service?
- If the land information system is already constructed, what is the most problematic issue in carrying out land-related tasks using the system?

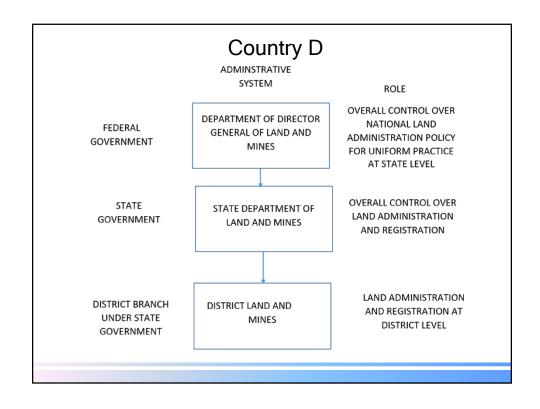
Some Results on the Questionnaires

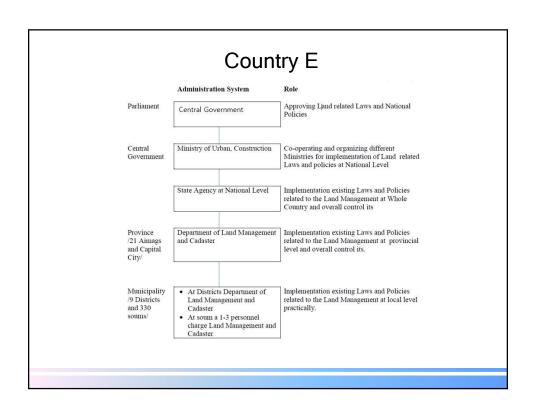
Based on Vice Chair Countries (Brunei Darussalam, China, Fiji, Kyrgyzstan, Malaysia, Mongolia, Singapore, Viet Nam) + 1

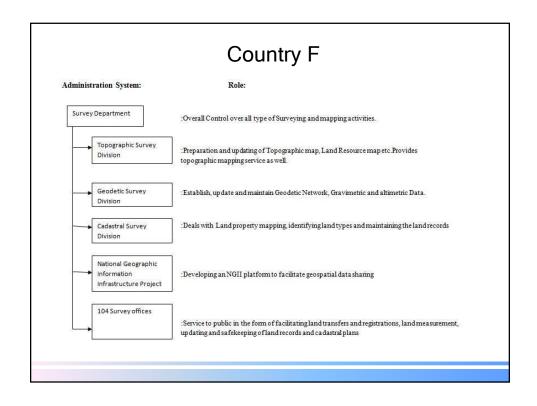


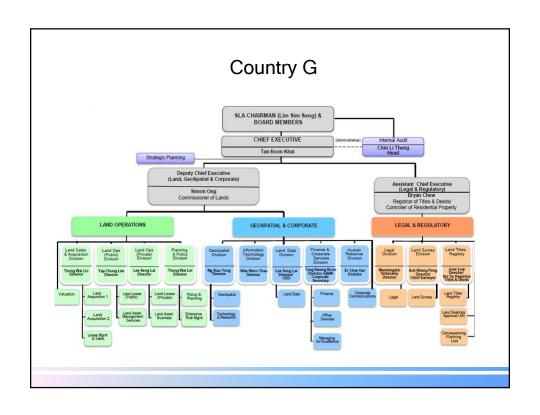


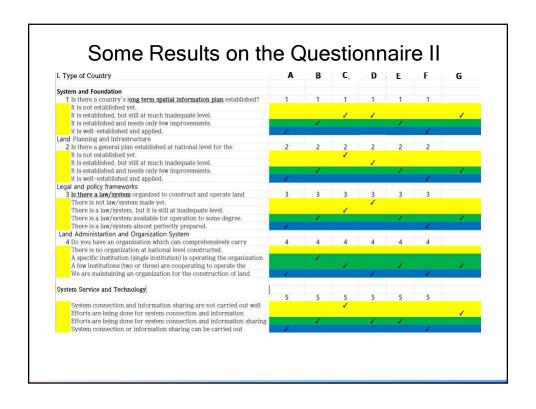


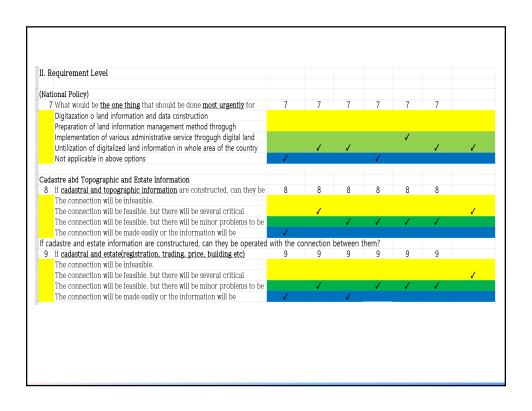


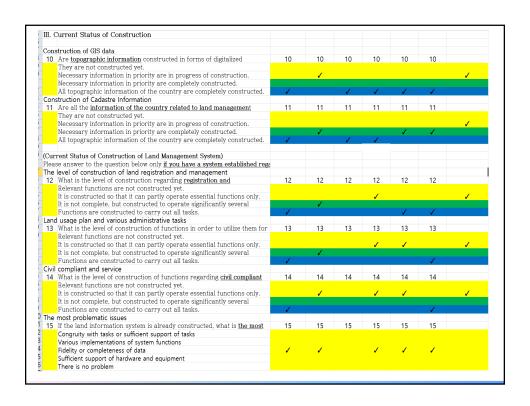












Cadastre and Land Mangement System State and Level										
	A	В	C	D	E	F	G			
		I. Type	of Cour	itry			55080			
System and Foundation	1	2	3	3	2	1	3			
Land Planning and Infrastructure	1	2	3	3	2	1	1			
Legal and Policy Frameworks	1	2	3	4	2	1	2			
Land Administration & Oraganizer System	1	3	2	1	2	1	2			
System Service & Technology	1	2	3	2	2	1	2			
Sub Total	5 "	11 Deguin	13 ement of	13	10	5	10			
National Policy	1	2	2	1	3	2	2			
Connection between Cadastre and Topographic Information	1	3	2	2	2	2	3			
Connection between Cadastre and Estate Information	1	2	1	2	2	2	3			
Sub Total	3	7	5	5	7	6	8			
				onstructu						
Construction of GIS	1	3	1	1	1	1	3			
Construction of Cadastre	1	2	1	1	2	2	3			
The Level of Land Registration & Management	1	2	N/A	3	3	1	3			
Land Usage Plan and Administration Tasks	1	2	N/A	3	3	1	3			
Civil Compliance & Service	1	3	N/A	3	3	1	3			
The Most Important Issues	Data	Data	N/A	Data	Data	Data	N/A			
Sub Total	5	12	?	11	12	6	15			
Total	13	30	?	29	29	17	33			

G1 Group: Advanced Type

- Near-perfect land management and administration system

G2: Data Management Issue Type

- Improving Data Management with a certain methodology

G3: Data Management and Application Issue Type

- Improving Data and System Management with long term plans

G4: All System Issue Type

- GIS and Cadastre Systems have already been formed. But rechecking all systems in detail.

Summary

Survey Investigation Result of the 1st questionnaires

- · All the countries have land related legislation, law system and spatial information system.
- Most countries have an unitary datum point system.
 But, a few countries use various coordinate systems.
- · Regarding the land ownership, many countries acknowledge an individual's land ownership and the registration of land mandatory.
- Regarding the land management,
 the roles of central and local government are different from each other.
- Digitalized topographic map is constructed in most countries.
 However, the digitization of cadastral map has made less progress.
- · All the countries are making the land registration mandatory.
- In many countries, agents for managing topographic and cadastral maps, and real estate are different from each other.

Summary

Survey Investigation Result of the 2nd questionnaires

- · Many countries which use hardware or network environment to operate the land information system have not faced significant problems.
- · A few countries are pointing out that there are a lot of problems regarding the comprehensiveness of data related to land information.
- · Many countries find it necessary to improve the functions of their current land management systems.
- The results show that land infomatization and utilizing land information to cover the whole regions of the country are necessary for various administrative services.

Thank you