

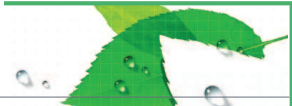


Era dos descobrimentos, Era das Grandes Navegações
Age of discovery



The Current Marine Cadastre system and the policy in South Korea

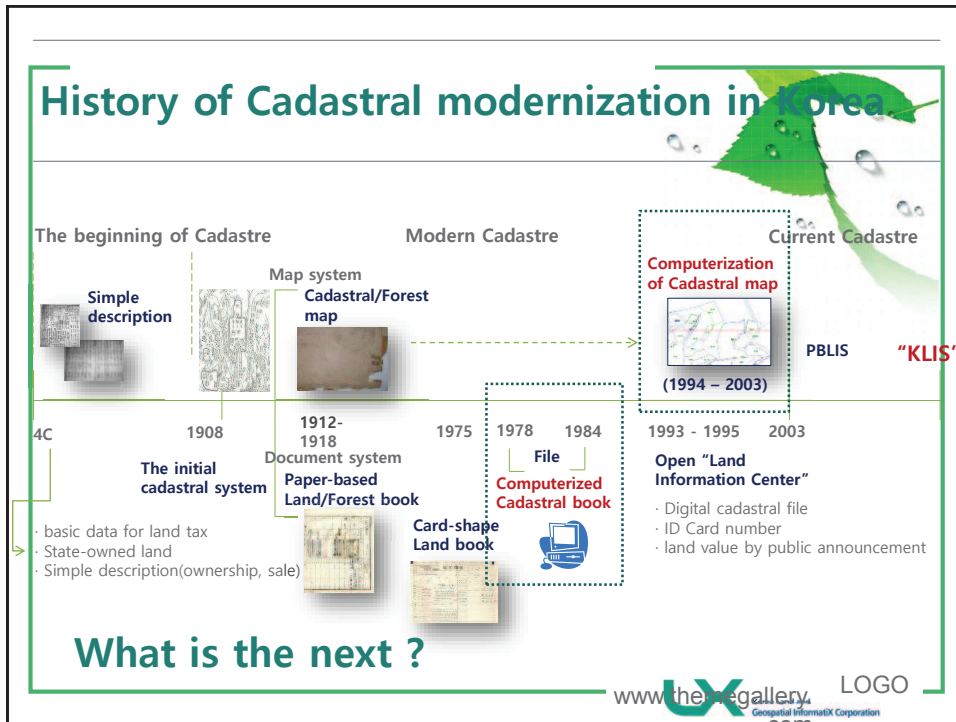
Hyunsook, LEE from LX

Korea, the Peninsula

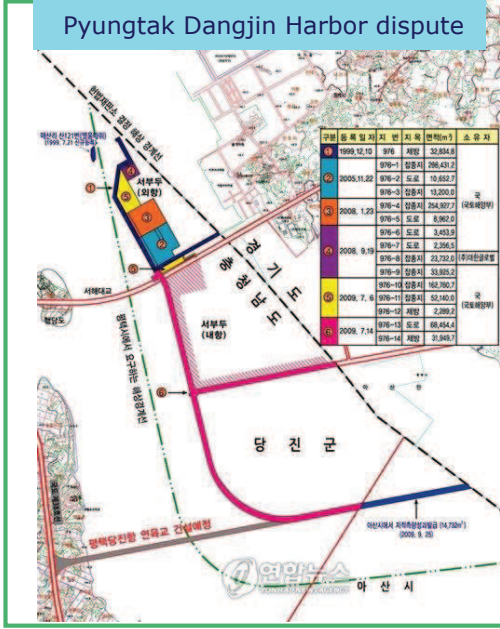


- **Facts & figures**
 - Over 3,000 islands
 - 443,000 marine area which is 4.5 greater than the land area
 - 11,542 km political borders with China, Japan by maritime boundaries
 - Almost all imports and exports are transported through ships
 - More marine activity with highly valued
 - Since the diversity of activities in South Korea, the current legal policy and institutional situation is very complex and overlapping




Pyungtak Dangjin Harbor dispute



구분	등록 일자	면적(㎡)	지목	면적(㎡)	소유자
1	1999. 12. 15	3196	해양	32,834.8	
2	2005. 11. 22	298	해양	298,431.2	
3	2008. 1. 23	1,223	도로	19,892.7	
4	2008. 9. 19	9,139	도로	13,200.0	
5	2008. 7. 6	7,161	도로	254,897.7	(국유재산)
6	2009. 7. 31	7,314	도로	8,982.8	
7	2009. 7. 31	7,314	도로	3,453.9	
8	2009. 7. 31	7,314	도로	2,396.5	
9	2009. 7. 31	7,314	도로	23,722.0	국유재산
10	2009. 7. 31	7,314	도로	53,962.2	국유재산
11	2009. 7. 31	7,314	도로	162,360.7	국유재산
12	2009. 7. 31	7,314	도로	52,140.0	국유재산
13	2009. 7. 31	7,314	도로	2,889.2	국유재산
14	2009. 7. 31	7,314	도로	68,454.4	국유재산
15	2009. 7. 31	7,314	도로	2,342.7	국유재산

- Dispute between Local governments
- Start from 1999 and still..
- In Constitutional Court

- more and more !
- We need solution and legal and institutional framework



Unregistered coastal land and fishery

• Jollanamdo Muan province : fishery and agricultural



미등록 방파제



미등록 방파제 및 방파제



미등록 방파



미등록 해상지



현장사진 1



현장사진 2



인접지 현황



Ongoing project related MC

- Survey information demand by Interviews
 - Governmental officials and related organizations and Universities and so on
 - Demonstration (case study) on three different sites
 - Fishery, leisure and farming area with different condition (tide, land shape..)
 - System development
 - Mobile survey and registration updating system with simple process
 - Providing and supporting the maritime spatial information management regulation
- Interview, survey by document, public hearing to decide by who and
 ■ Dealing with what (registration objects classification)

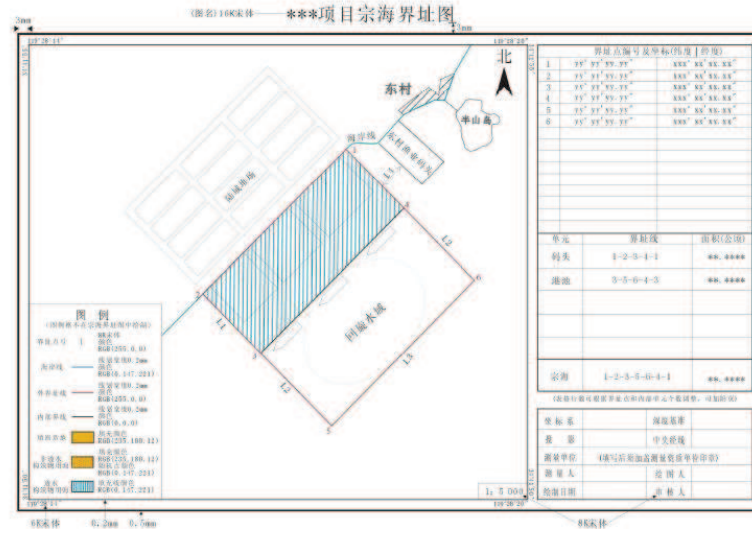
Maritime administrative boundary confirmation Act

Related Law and organizations

Related organizations(8 Ministry and more) : 'Ministry of Education, Science and Technology', 'Ministry of National Defense', 'Ministry of Public Administration and Security', 'Ministry of Culture, Sports and Tourism', 'Ministry for Food, Agriculture, Forestry and Fisheries', 'Ministry of Knowledge Economy', 'Ministry of Welfare and Family Affairs', 'Ministry of Environment', 'Ministry of Land, Transport and Maritime Affairs', 'Statistics Korea', 'Korea Meteorological Administration', 'Korea Coast Guard', and many local governments.

Related regulations : 'Coastal Act' and '**Shared Marine area management and Landfill Act**', 'Harbor Act', '**Fishing and fisheries Act**', 'Domestic Water Act', 'Fishing boat Act' and so on

Chinese Marine Cadastre System



What I found from Chinese Marine Cadastre System

China has 'Guideline for marine boundary survey using high-level technology' and 'Maritime surveying form'. However South Korea has been used 'Guideline for hydrographic survey' by the law (released at 15, May, 2010) but the law does not have any survey form or detailed regulations.

Korean Law has an accuracy tolerance of ± 2m on marine survey without considering of the distance from inland,

Chinese law have divided the same regulation into three categories, if the distance is less than 20km, the accuracy will be less than ± 1m, 20km ~ 50km, within the ± 3m, when it is over 50km, the accuracy will be ± 15m.

To improve Korean marine system, not only introduce of the new accuracy tolerance and maritime boundary survey form but also considering of 'Guideline for marine boundary survey' would be appropriate for current situation.

Outcome we expect

- Effective protection people right on maritime area and environmentally sustainable use
- New job for spatial industry in private sector
- Reduce marine boundary disputes
- Seamless and integrated management on land and maritime area(12 nautical miles)



In the future

- 『Maritime administrative boundary Act』 , 『Maritime use information Act』 regulation activity support
- Building on the seamless system to link land and maritime in the Central and local government
- Expanding and open the system to citizen
- Technical research to make effective maritime boundary extraction



