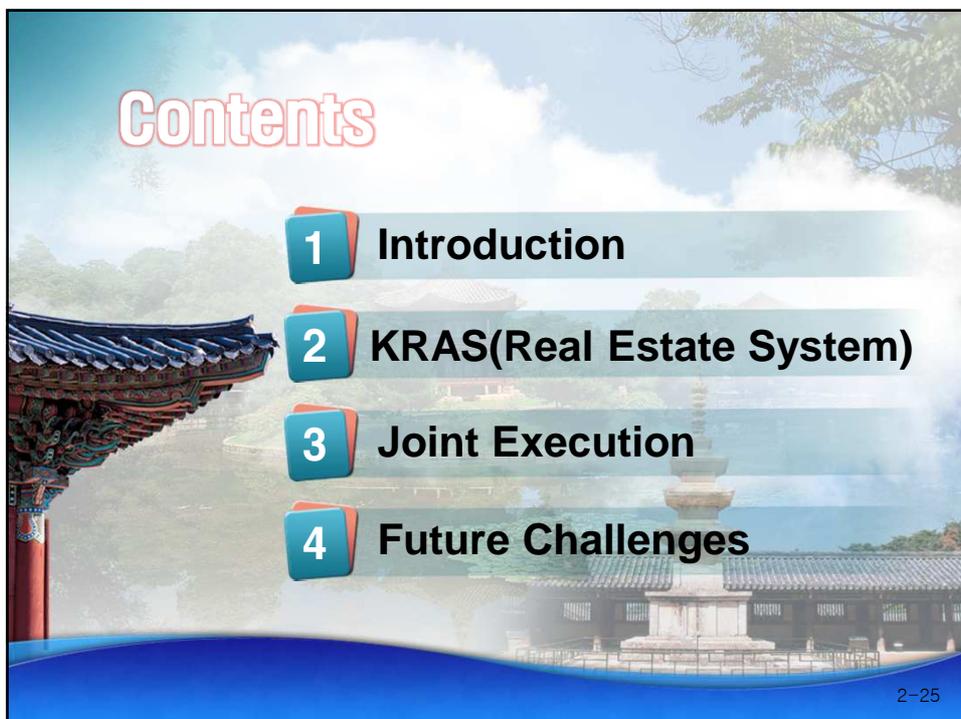


# The Completion of the Cadastre 2014 through a Case Study on the South Korea

Prof. JANG, BONG-BAE  
KOH, JUNE-HWAN

 KOREA CADASTRAL  
SURVEY CORP.

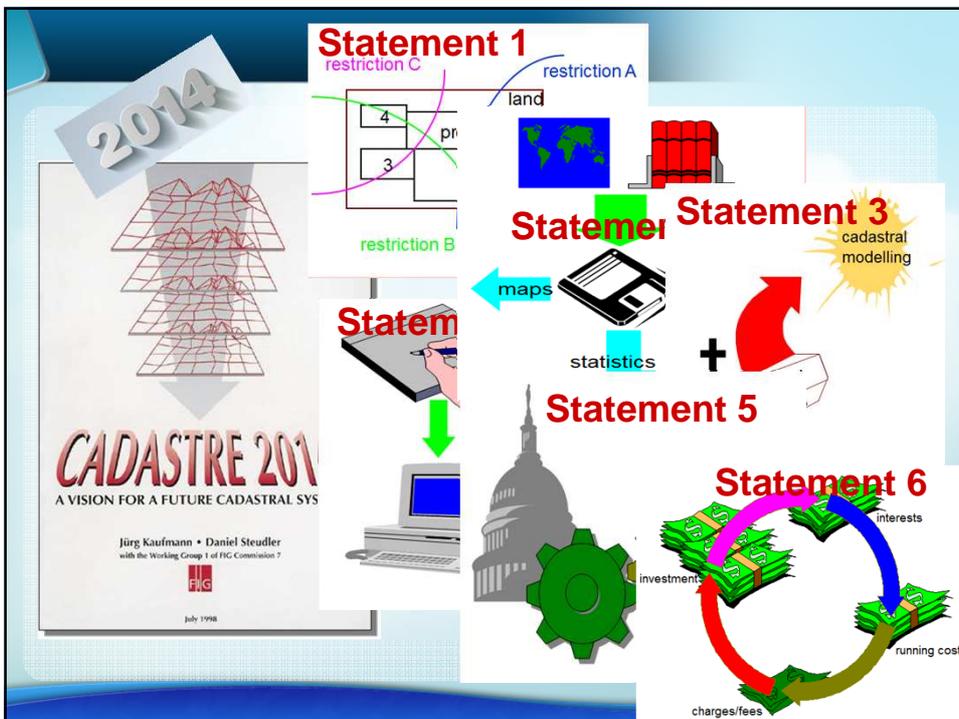
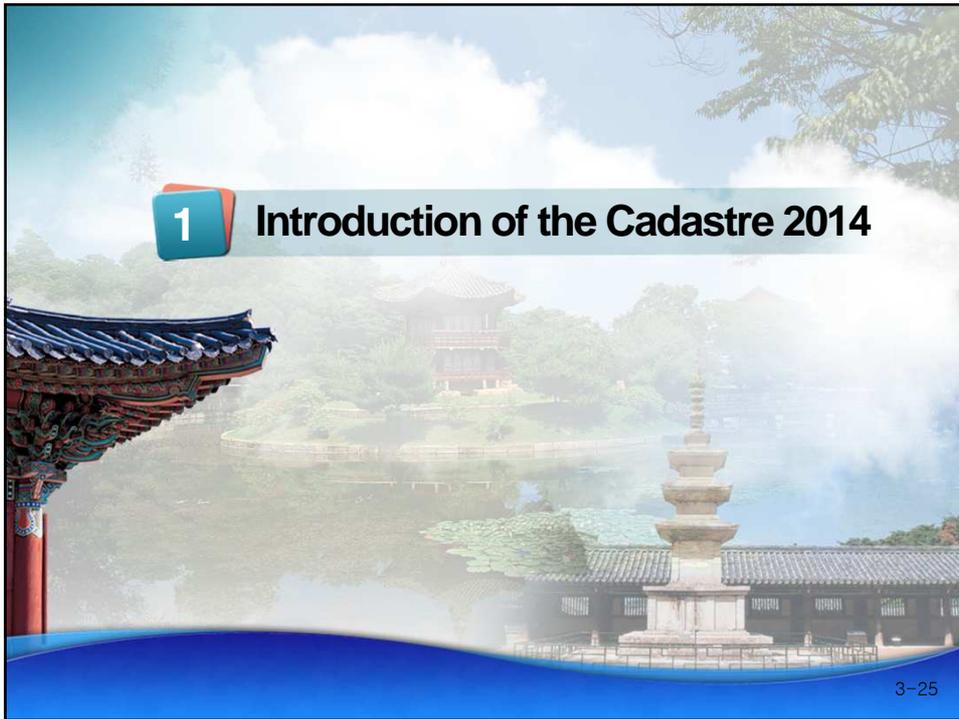
Cadastral Training Institute<sup>1-25</sup>



## Contents

- 1 Introduction
- 2 KRAS(Real Estate System)
- 3 Joint Execution
- 4 Future Challenges

2-25





### 1 Outline the System

#### Cadastral & Registration System

- Cadastral System**
  - established by land survey law in 1910
  - **Ministry of Land, Infrastructure, and Transport**
  - the information registered & managed by KLIS
- Registration System**
  - constructed by real estate registration ordinance in 1912
  - **Ministry of Justice**
  - the information managed by RIS

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# 1 Outline the System

## System Problems

**Problem**

- inconsistency of each data base
- increase administrative costs
- inconvenience of the people



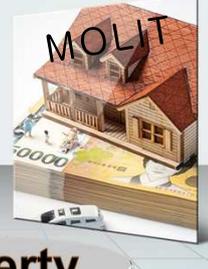
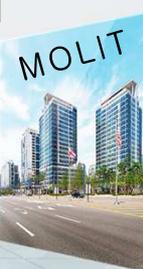
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# 1 Outline the System

## System Problems

<p><b>Land</b></p> <ul style="list-style-type: none"> <li>▪ Measurement, hydrographical &amp; cadastral Law</li> </ul> <p>CAS</p>	<p><b>Ownership</b></p> <ul style="list-style-type: none"> <li>▪ Real Property Registration Act</li> </ul> <p>IROS</p>	<p><b>Price</b></p> <ul style="list-style-type: none"> <li>▪ Framework Act on the Regulation of Land Use</li> <li>▪ Real Estate assessment Act</li> </ul> <p>KLIS</p>	<p><b>Building</b></p> <ul style="list-style-type: none"> <li>▪ Building Act</li> </ul> <p>AIS</p>
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**Property**

One object  
2 ministries, 5 Laws, 4 Information System (diversified) <sup>25</sup>

## 2 Description of the KRAS

### Cadastr 7



- Parcels-register for site
- Parcels-register for forest area
- Cadastral Map
- Site Register
- Boundary/Coordinate Register
- Joint Signature Book

### Building 4



- General Building
- Total Identification
- Set Identification
- Set Appropriation

### Land 1, Price 3



- Land Use Planning Confirmation
- Official Land Price Confirmation
- Individual housing Price Confirmation
- Multi-family Housing Price

### Register 3



- Copy of Land Register
- Copy of Building Register
- Copy of Set of Building Register

# One Unified Certificate

9-25

## 2 Description of the KRAS

### One Unified Certificate



### Optimized information

<input checked="" type="checkbox"/> 토지가본정보	<input checked="" type="checkbox"/> 도면정보
<input checked="" type="checkbox"/> 건물기본	<input checked="" type="checkbox"/> 토지,건물소유
<input type="checkbox"/> 건물층별	<input type="checkbox"/> 공유지
<input type="checkbox"/> 건물인허가	<input type="checkbox"/> 소유이력
<input type="checkbox"/> 건물호별	<input checked="" type="checkbox"/> 토지이용
<input type="checkbox"/> 토지이력	<input checked="" type="checkbox"/> 공시지가
<input type="checkbox"/> 건물이력	<input checked="" type="checkbox"/> 주택가격

# Optimized Service for People

10-25

## Benefits

<h3>Time</h3> <ul style="list-style-type: none"> <li>By the system, the time spent working was reduced</li> <li>Document Application 5 to 1time</li> <li>Processing Stages 6 to 2 stages</li> <li>Processing date 13 to 6 days</li> <li>Required Documents 5 to 1</li> </ul>	<h3>Accuracy</h3> <ul style="list-style-type: none"> <li>50 million data inaccurate(2010)</li> <li>20 million data was completed during 4 years</li> </ul>
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### Active & Citizens

- Spatial information industry became more active
- High quality
- Reduce fee
- on line service



11-25

2

Description of the KRAS

Concluding Remarks

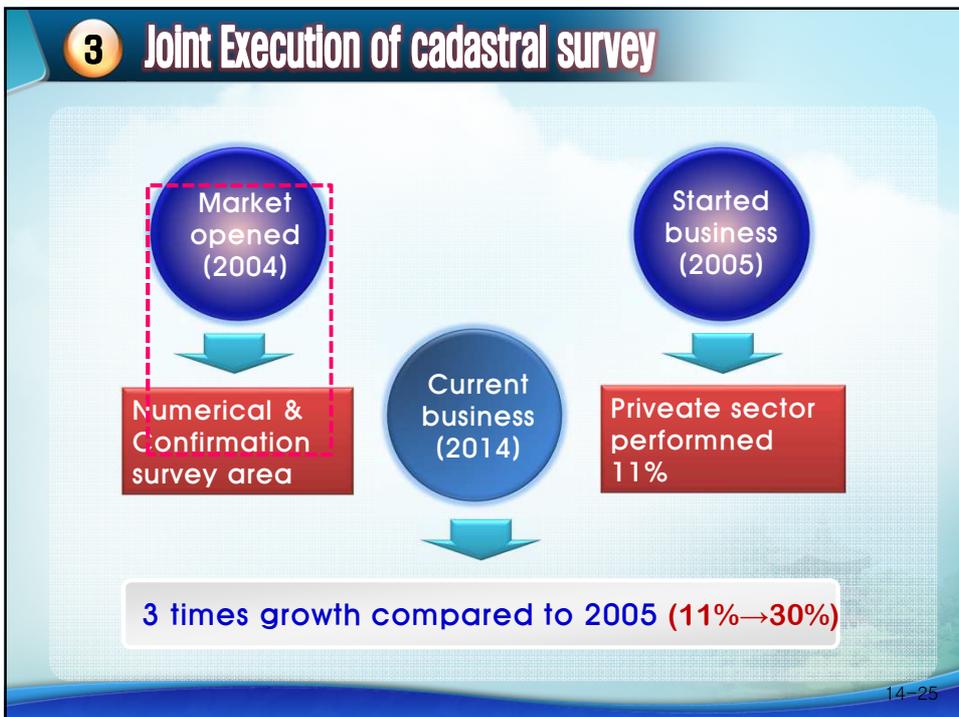
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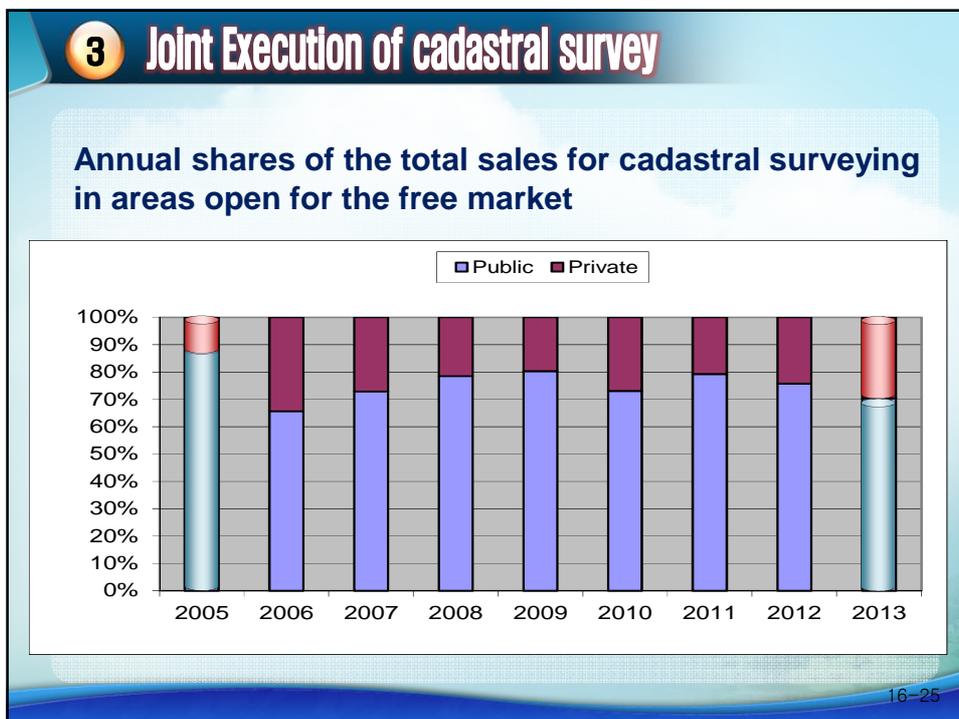
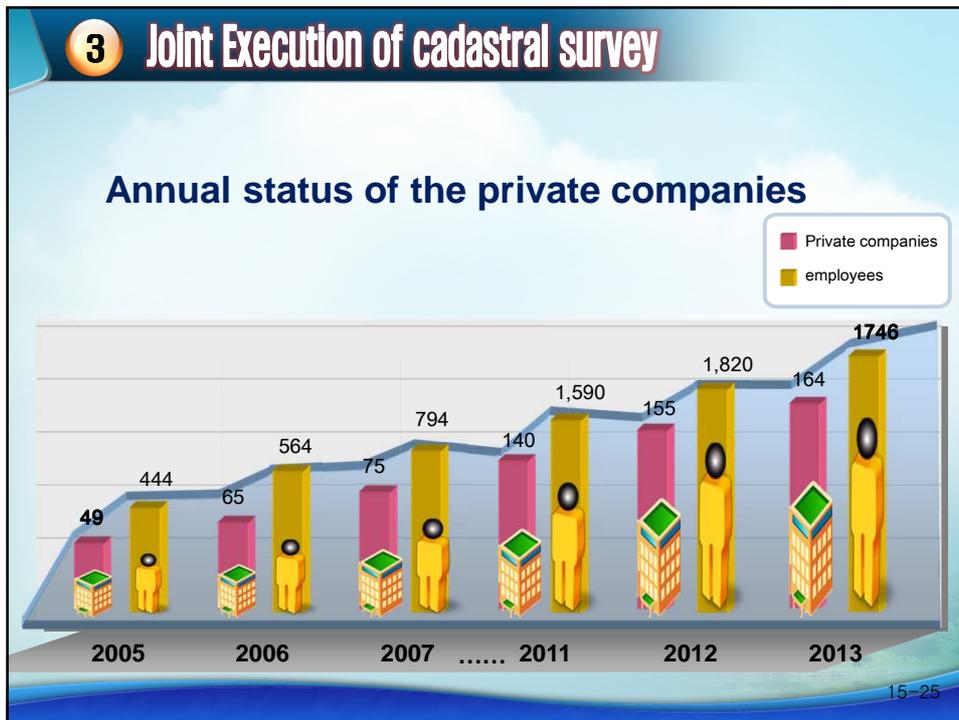
The separation between maps and registers will be abolished

- not achieve the integration between the two ministries
- However, the first system in the world can issue all 18 different types of information on one unified document

- Korea cadastral information(maps) and registers were integrated into one system by network

12-25



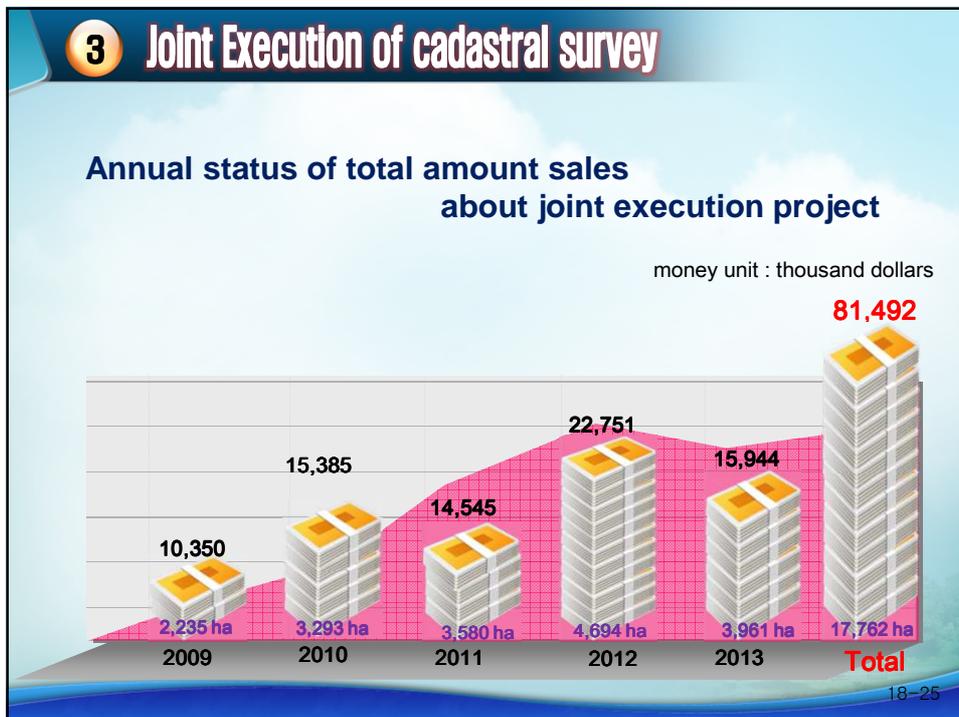


### 3 Joint Execution of cadastral survey

**Public sector**      **Private sector**

- One of the most unprecedented phenomena
- Through the joint execution, public and private sectors are working closely together

17-25



### 3 Joint Execution of cadastral survey

**Statem. 5** Cadastre 2014 will be highly privatized.  
Public and private sectors are working closely together

**Public sector**  **Private sector**

- Through the joint execution, public and private sectors are working closely together
- control point surveying : public sector
- detailed surveying : public + private sector

19-25

### 4 Future Challenges



21-25



## 4 Cooperation and competition

**The nationalities and borders should be faded away**

**Increasing cross-border cooperation**

**Increasing competition between national surveyors**

- regardless of space, we can work in the world
- The international surveyor can work all over the world in his hometown by large scale remote sensing data
- ➡ Thus, the cross-border cooperation will get higher
- ➡ competition of national surveyors also should be increased.

22-25

