

The Cadastre 2014 and Future challenges

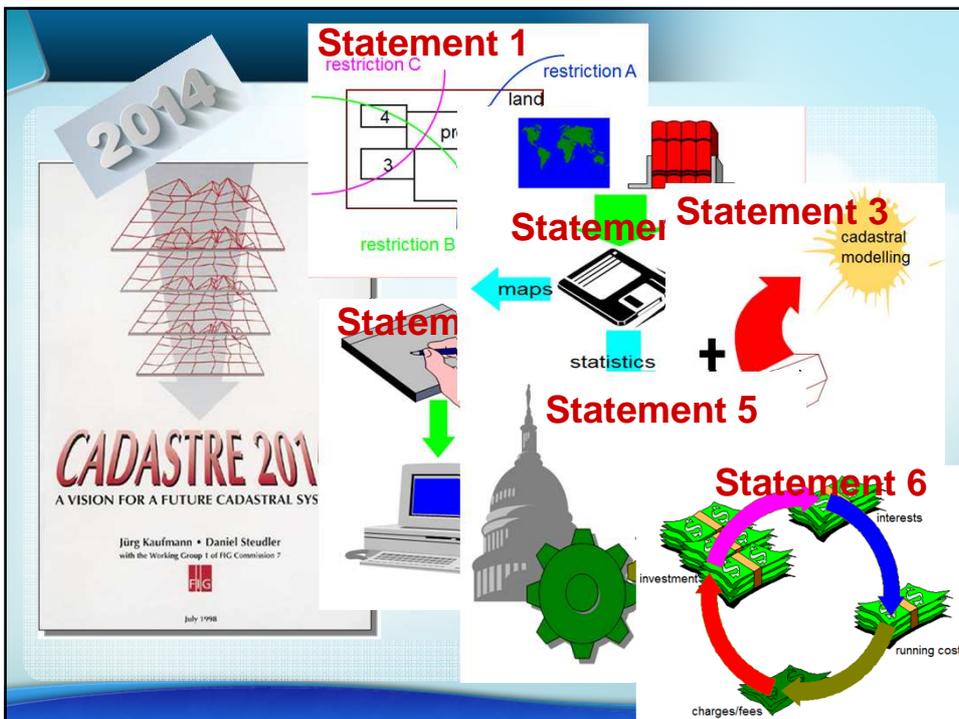
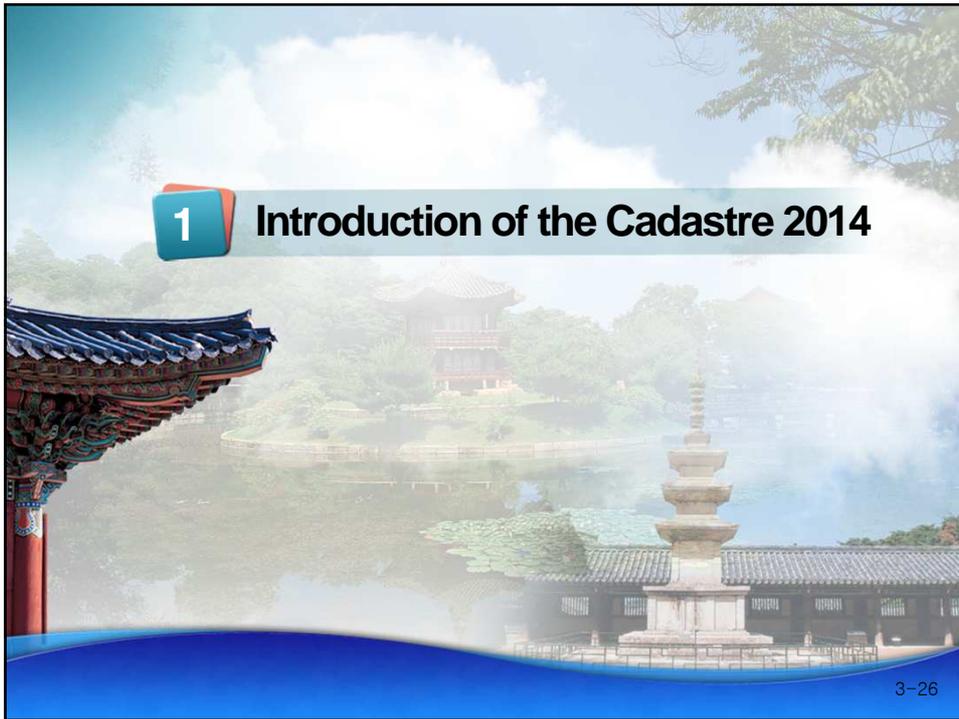
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- 1 Introduction
- 2 KRAS(Real Estate System)
- 3 Joint Execution
- 4 Future Challenges

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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



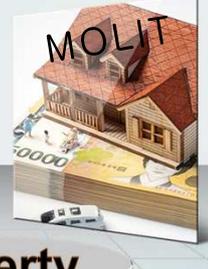
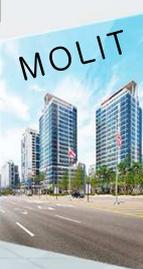
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1 Outline the System

System Problems

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

One object
2 ministries, 5 Laws, 4 Information System (diversified)²⁶

2 Description of the KRAS

Cadastre 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

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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

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Benefits

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

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



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Description of the KRAS

Concluding Remarks

Statem.

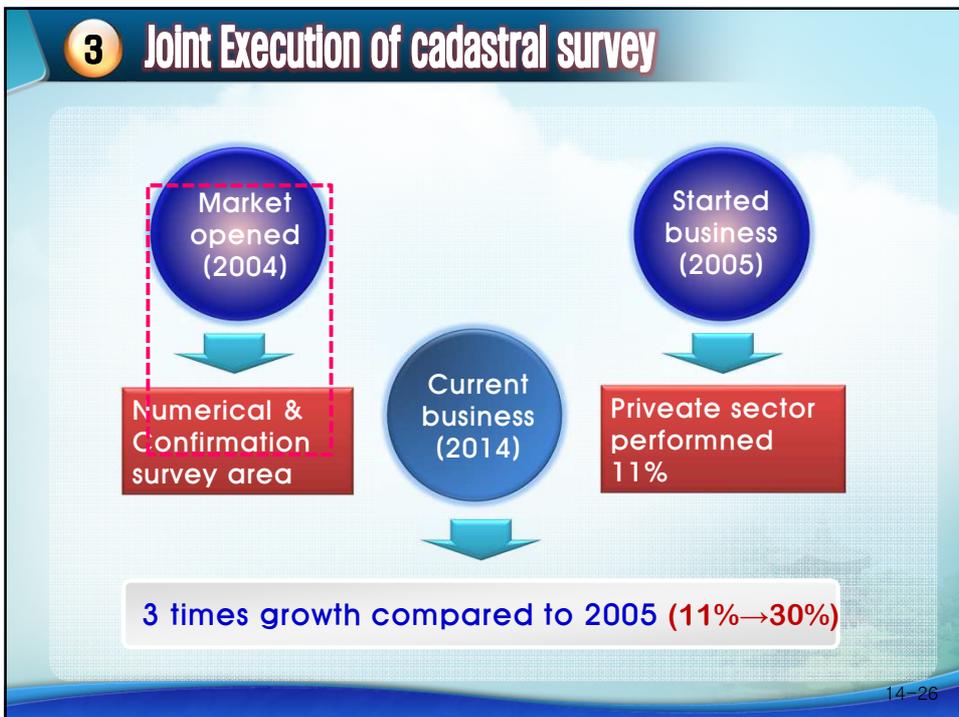
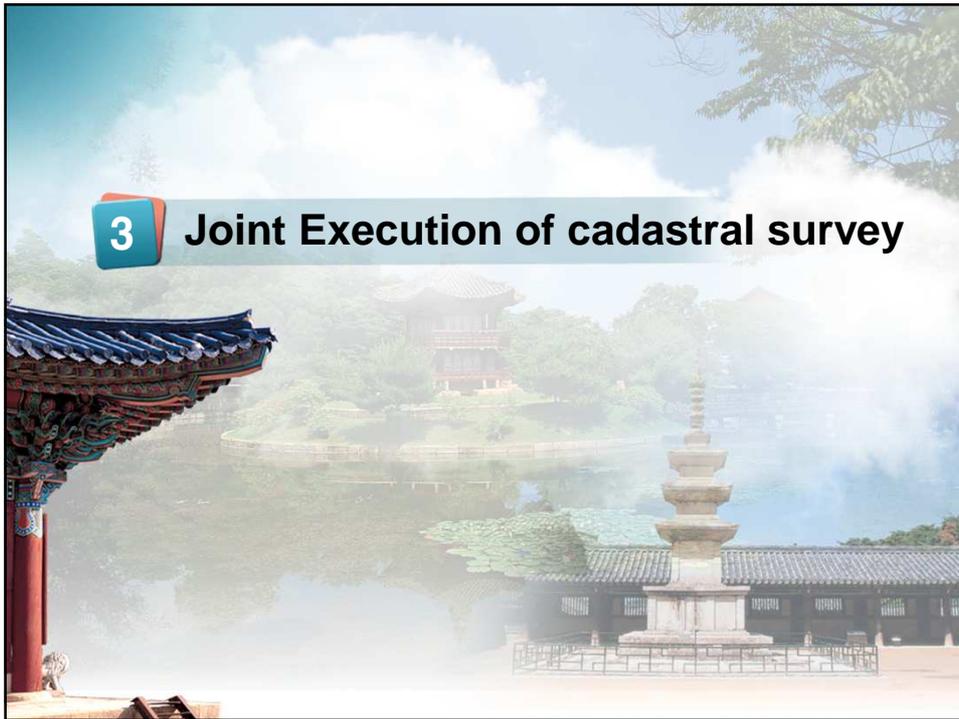
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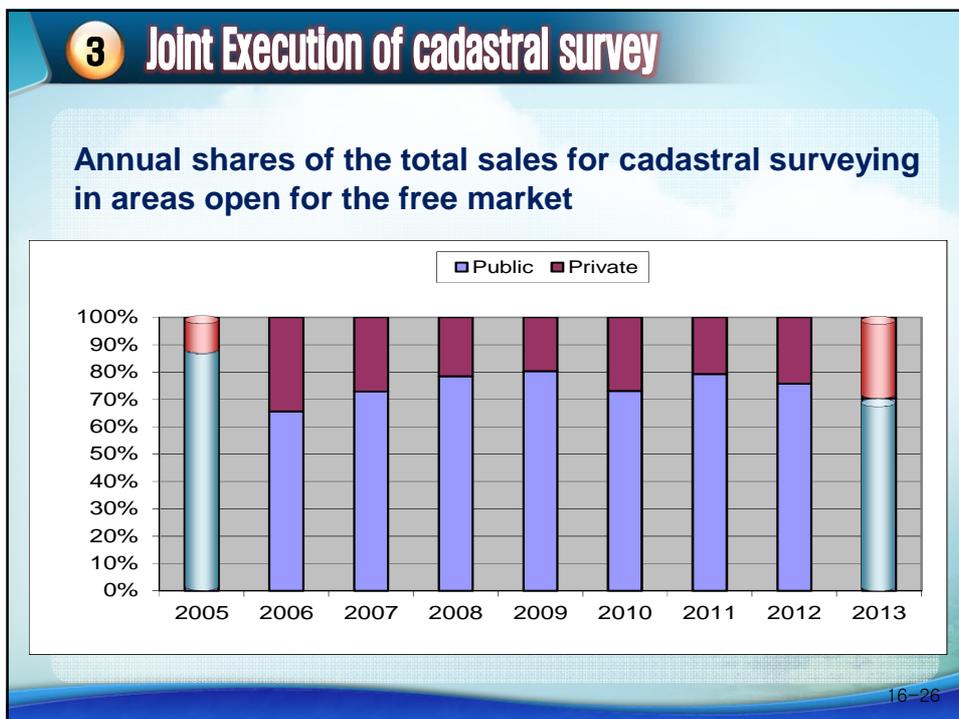
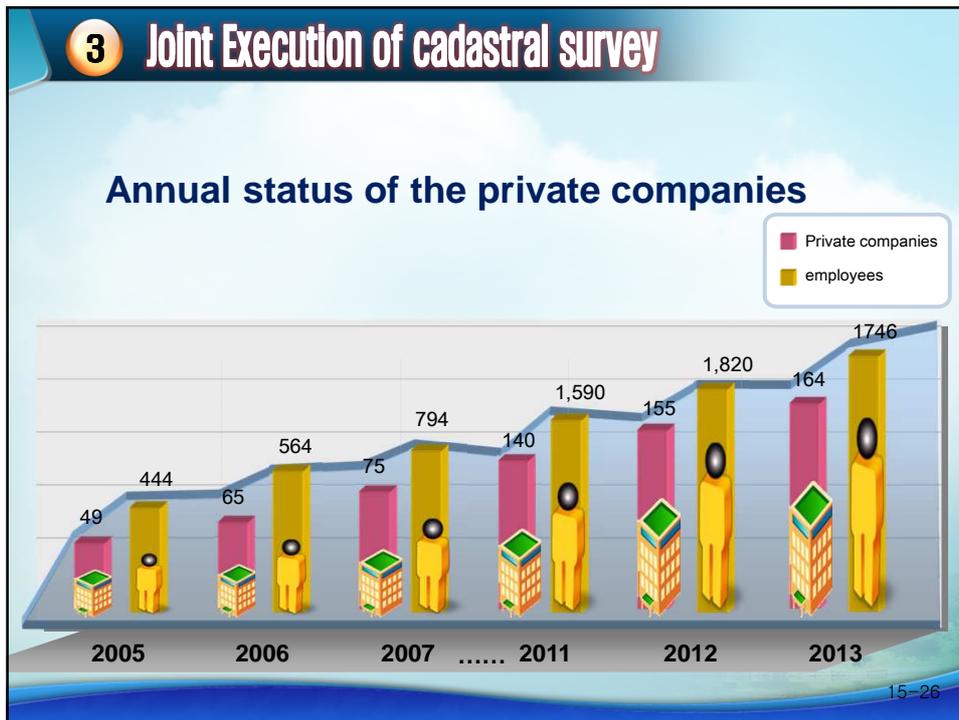
The separation between maps and registers will be abolished

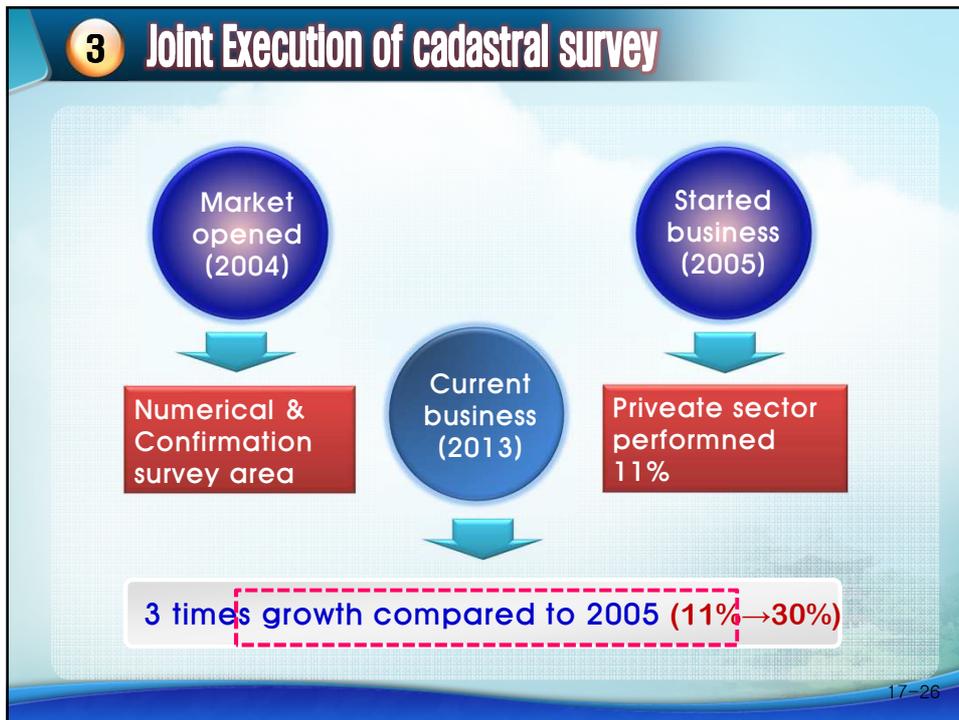
- not achieve the integration between the two ministries
- However, the first system in the world can issue all 18 different types of information on one unified document

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

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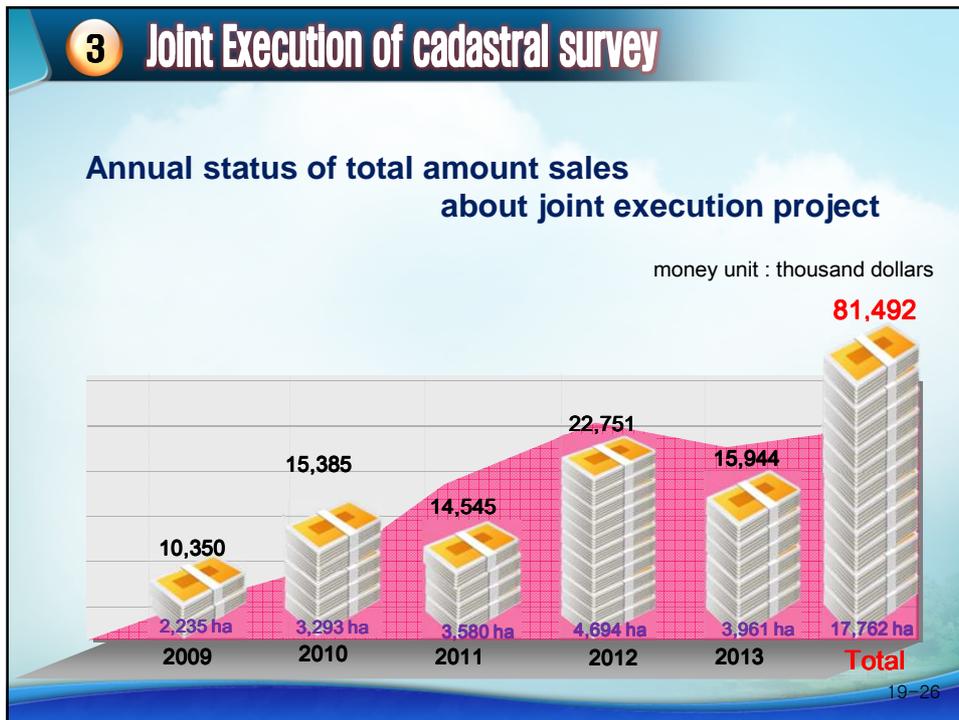


3 Joint Execution of cadastral survey

Public sector **Private sector**

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

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3 Joint Execution of cadastral survey

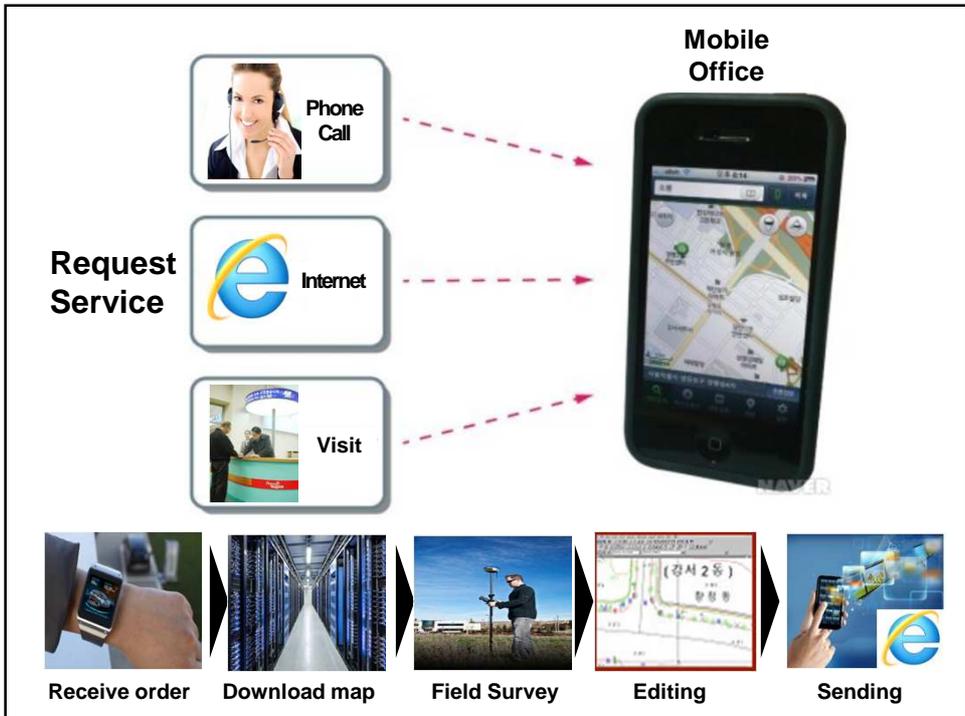
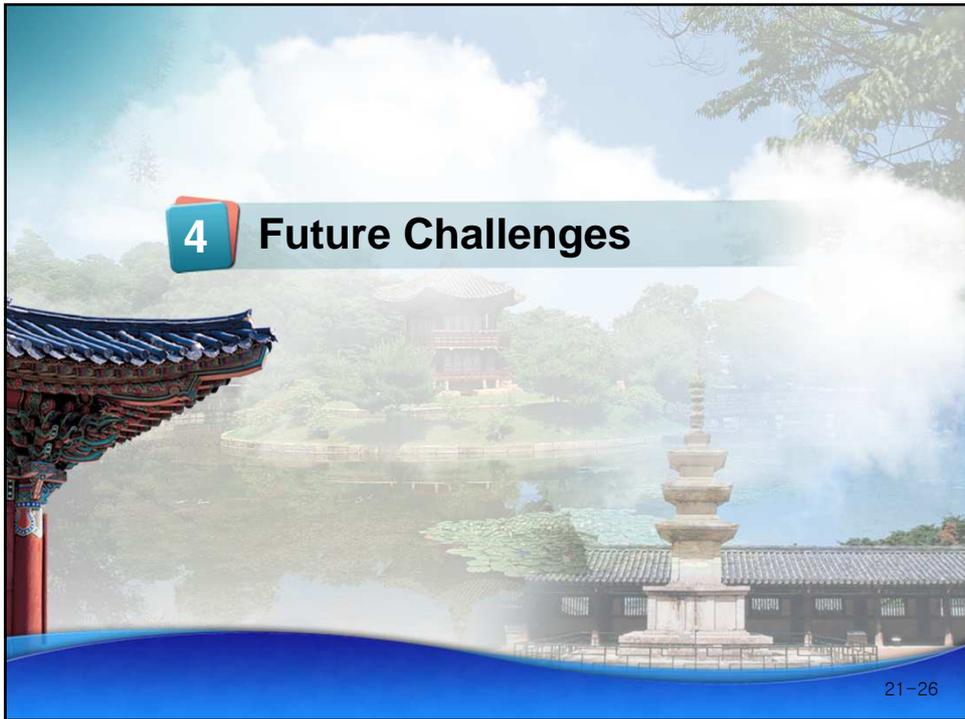
Statem. 5 Cadastre 2014 will be highly privatized. Public and private sectors are working closely together

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

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4 Mobile Office

The mobile office is highly efficient both company and customer

The process is very fast and convenient

- Decrease the charge(fee)
 - 182 ➡ 10 local offices, 4000 ➡ 500 employees
- quick process : 1 stop service
 - service request, field survey, edit, data sending
- Convenience and easy

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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.

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