



# The New Role of Cadastre in Korea Government 3.0

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Total 15 frames



## What is Government 3.0?




1/15

- **Government 3.0 is a new paradigm for government operation to promote active sharing of public information**
- **The ultimate goal is to generating more jobs and supporting creative economy**





# Rebooting government




02/15

- **Government's full contents will be made public**
- **Government will offer its data for commercial use to boost and make a "creative economy"**
- **Government will seek a cooperation with the private sector**

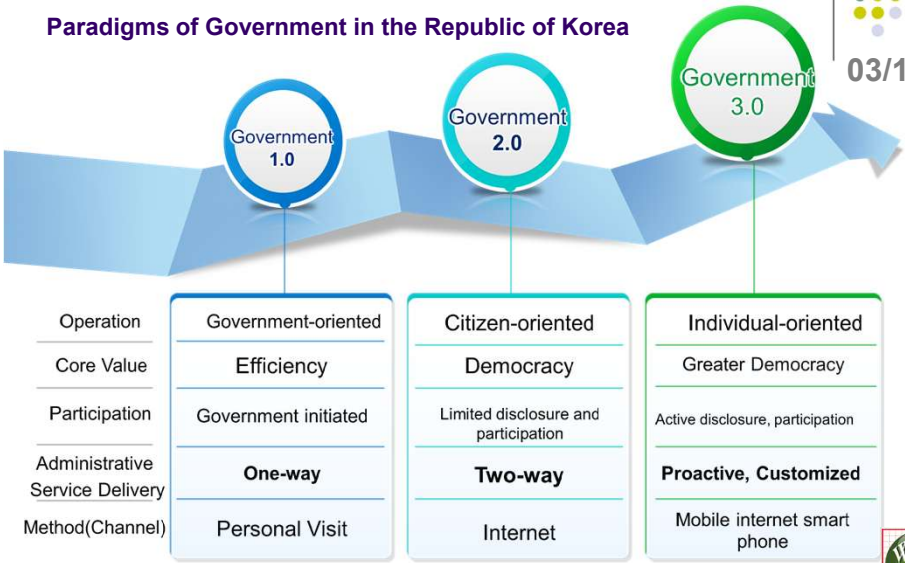



# The evolution of Government


Paradigms of Government in the Republic of Korea

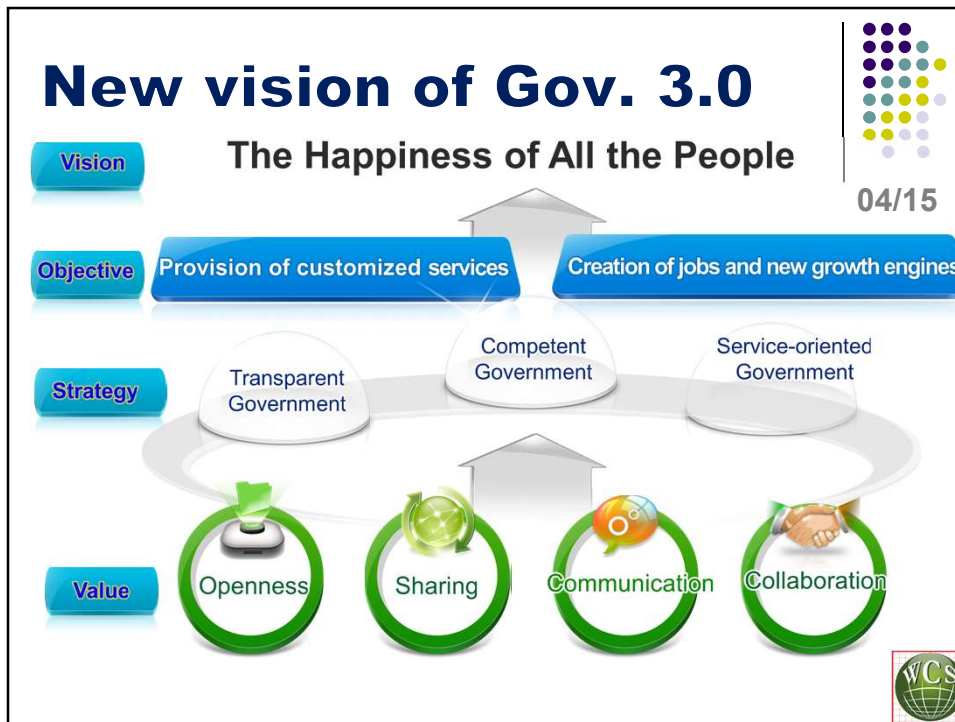


03/15



	Government 1.0	Government 2.0	Government 3.0
Operation	Government-oriented	Citizen-oriented	Individual-oriented
Core Value	Efficiency	Democracy	Greater Democracy
Participation	Government initiated	Limited disclosure and participation	Active disclosure, participation
Administrative Service Delivery	<b>One-way</b>	<b>Two-way</b>	<b>Proactive, Customized</b>
Method(Channel)	Personal Visit	Internet	Mobile internet smart phone






## The New Role of Cadastre

- Good Cadastral Data
- Good Cadastral Services
- Good Cadastral Governance

**Open Platform(V-World)**





*“Opened Cadastral Information is A Password to Economic Growth.”*

## Governance

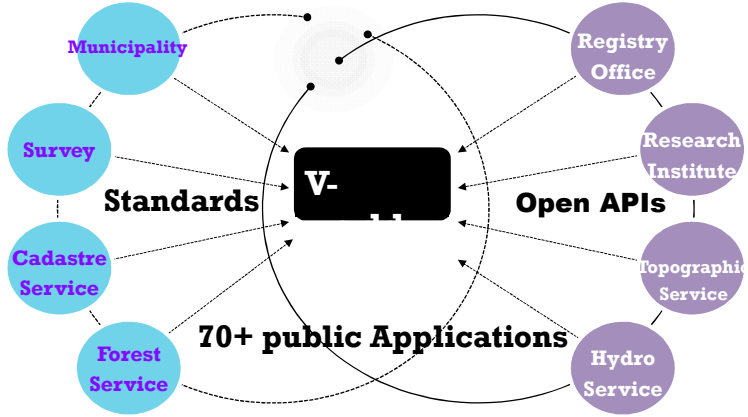
06/15

- Gov. 3.0(Openness, Sharing, Collaboration)
- Open Land(cadastral) Data + Geo Data
- Integration of Land related data
- Open Platform and Open API




## Interoperability

07/15





70+ public Applications



## Good Cadastral Data

08/15


- Homogeneous Data Quality (Geometry, Attribute)
- High Accuracy (PAI:Positional Accuracy Improvement)
- Real Time Updated Data
- Multi-Dimensional Data



## Cadastral Open Platform(V-world)

09/15

Comprehensive information management of  
Cadastre, real estate & urban planning



Current LAS Tools


2D Working level oriented Weak interoperability

3D Citizen oriented

Standards

Future LAS Tools

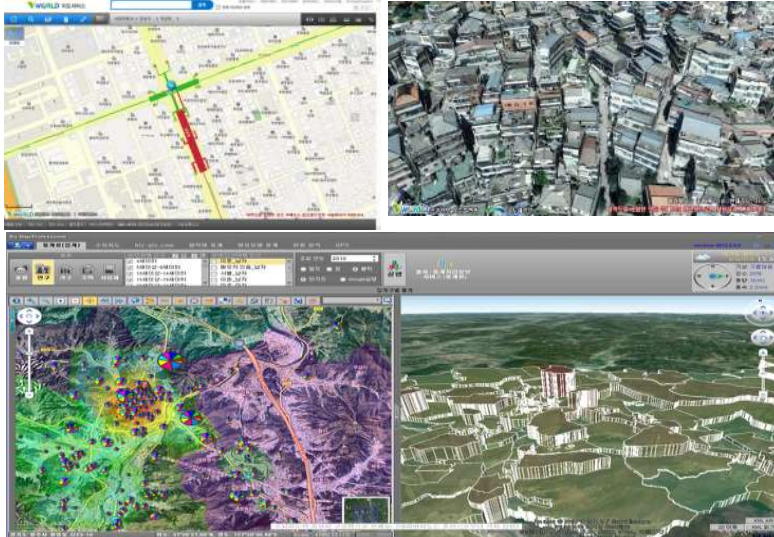
For Sustainable Development



## V-World can provide answers to Cadastral Issues!



10/15



## Good Cadastral Services



11/15

- Open Platform Data and API
- Collaborated and Sharing
- VGI with any devices



## Cadastral Open Platform Services

### Open API

Integration Control API, 2DmapAPI, 3DmapAPI

2D/3D/integration OpenAPI  
proper reference & common tools

### Portal


The core hub of Vworld  
notifying information, news about vworld service

### 2D/3D map

2D/3D map, integrated search service  
Searching and using high quality NSDI

### Developer center

apply & authorize Open API key  
support Open API developer



**VWORLD**  
Spatial Open Platform  
<http://www.vworld.kr>  
ONE STOP SERVICE

### 3D Desktop service


An application like Google Earth  
utilizing Various 3D practical service

### Data center


Spatial Info, Metadata and list  
data error declaration

### Participation center

sharing user content  
participating POI marking and uploading  
3Dmodel, usercontent



12/15



## Develop & Data center

Developer Center provides API reference & sample files

### Providing an open API up to a level of customer needs

standard	<p>Providing the API of Application Package</p> <p>The default map packages (samples) → Real Estate Package samples</p>
professional	<p>Provides expert-level API</p> <p>Location control → Field control → Model control</p>
Development Support	<p>Explain utilization references for one to one</p> <p>Support technology depending on developer's ability</p>

Transforming Map API

Integrated API


2D map API

3Dmap API

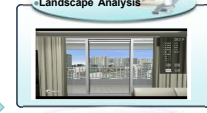
Mashup Example

API Certification

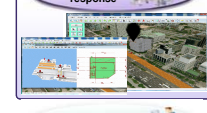
Location Search



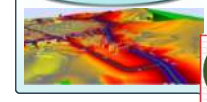
Landscape Analysis




Emergency / Disaster response




Statistical Map




Field to apply






13/15

## Future of Cadastre




14/15

	AS-IS	TO-BE
<b>Cadastral Information Disclosure</b>	Partial disclosure of the text upon request	Proactive disclosure of the whole original text without a request
<b>Cadastral Data</b>	Open by agency as un-editable data	Open in Data.go.kr as editable API
<b>Cadastral Service</b>	Only by request to the related website	One-stop service will be provided without request



## Conclusions



15/15

- Cadastral policy is to support the "openness"
- LAS run on the open platform(V-World)
- Cadastre makes a job and create economy

