



The New Role of Cadastre in Korea Government 3.0

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Total 15 frames



What is Government 3.0?




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- **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




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- **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**

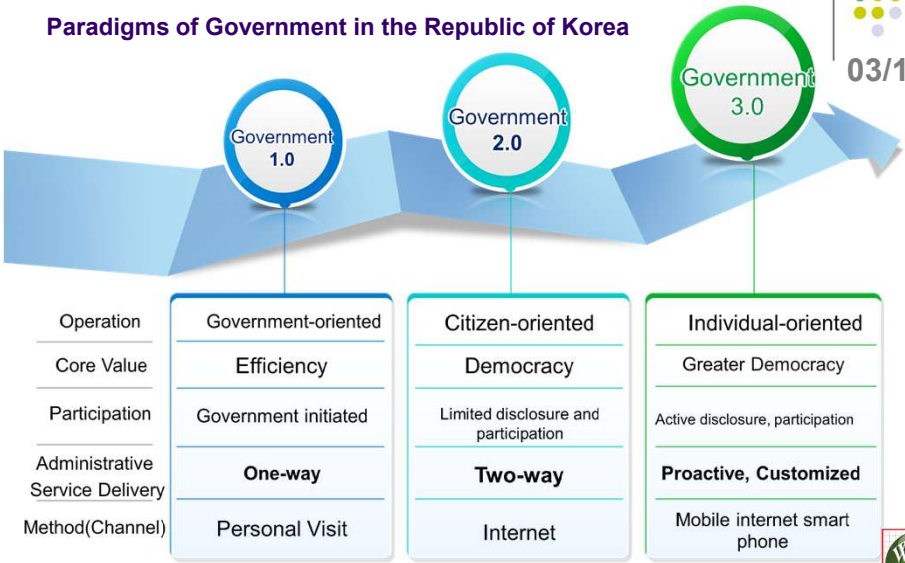



The evolution of Government


Paradigms of Government in the Republic of Korea

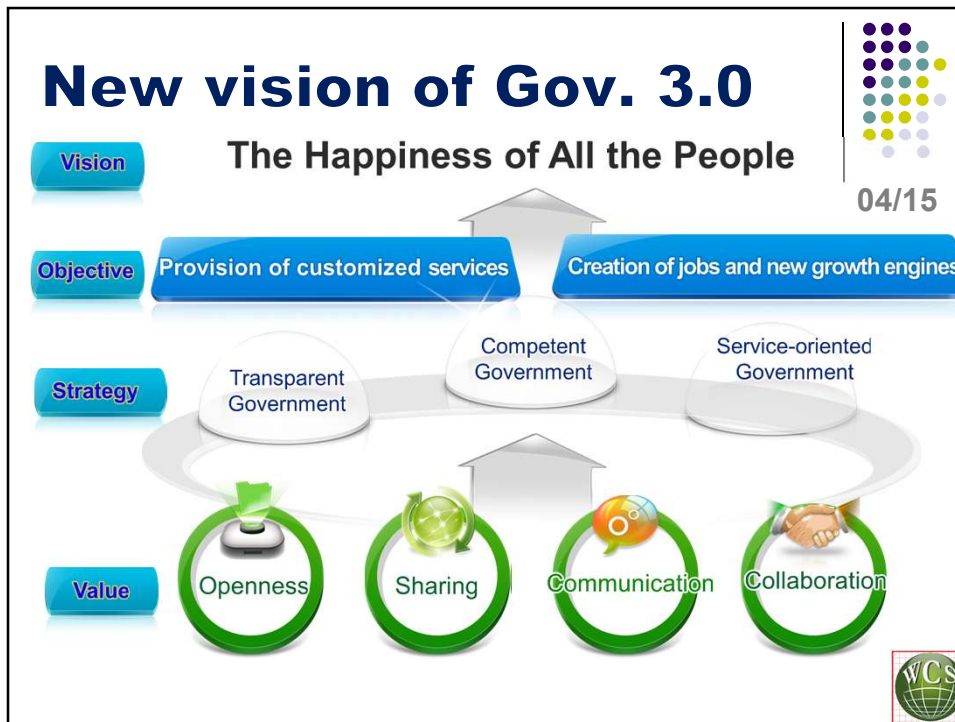


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	Government 1.0	Government 2.0	Government 3.0
Operation	Government-oriented	Citizen-oriented	Individual-oriented
Core Value	Efficiency	Democracy	Greater Democracy
Participation	Government initiated	Limited disclosure and participation	Active disclosure, participation
Administrative Service Delivery	One-way	Two-way	Proactive, Customized
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


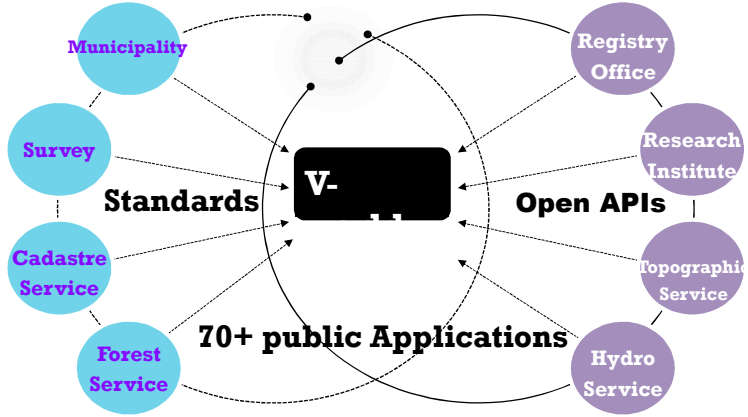
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- Gov. 3.0(Openness, Sharing, Collaboration)
- Open Land(cadastral) Data + Geo Data
- Integration of Land related data
- Open Platform and Open API



Interoperability



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Good Cadastral Data

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



Cadastral Open Platform(V-world)


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Comprehensive information management of
Cadastre, real estate & urban planning

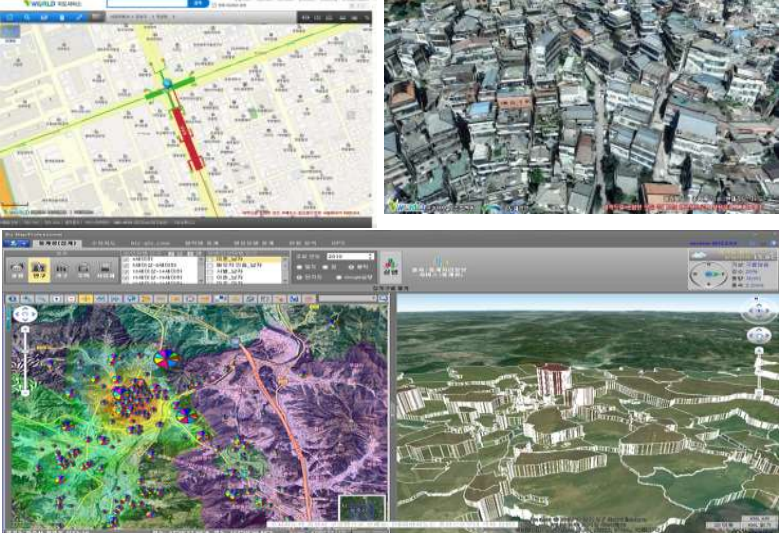


Current LAS Tools (2D, Working level oriented, Weak interoperability) → **Standards** → **Future LAS Tools** (3D, Citizen oriented)


For Sustainable Development



V-World can provide answers to Cadastral Issues!




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Good Cadastral Services


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




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Cadastral Open Platform Services



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ONE STOP SERVICE

<http://www.vworld.kr>

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

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



Develop & Data center



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Developer Center provides API reference & sample files

Providing an open API up to a level of customer needs

standard	<p style="color: red;">Providing the API of Application Package</p> <p>The default map packages (samples) → Real Estate Package samples</p>	
professional	<p style="color: red;">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

Field to apply

- Location Search
- Landscape Analysis
- Emergency / Disaster response
- Statistical Map




Future of Cadastre



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



Conclusions



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



