

Korean Good Practice :

Spatial Information Open Platform & Its Applications

LX KCSC

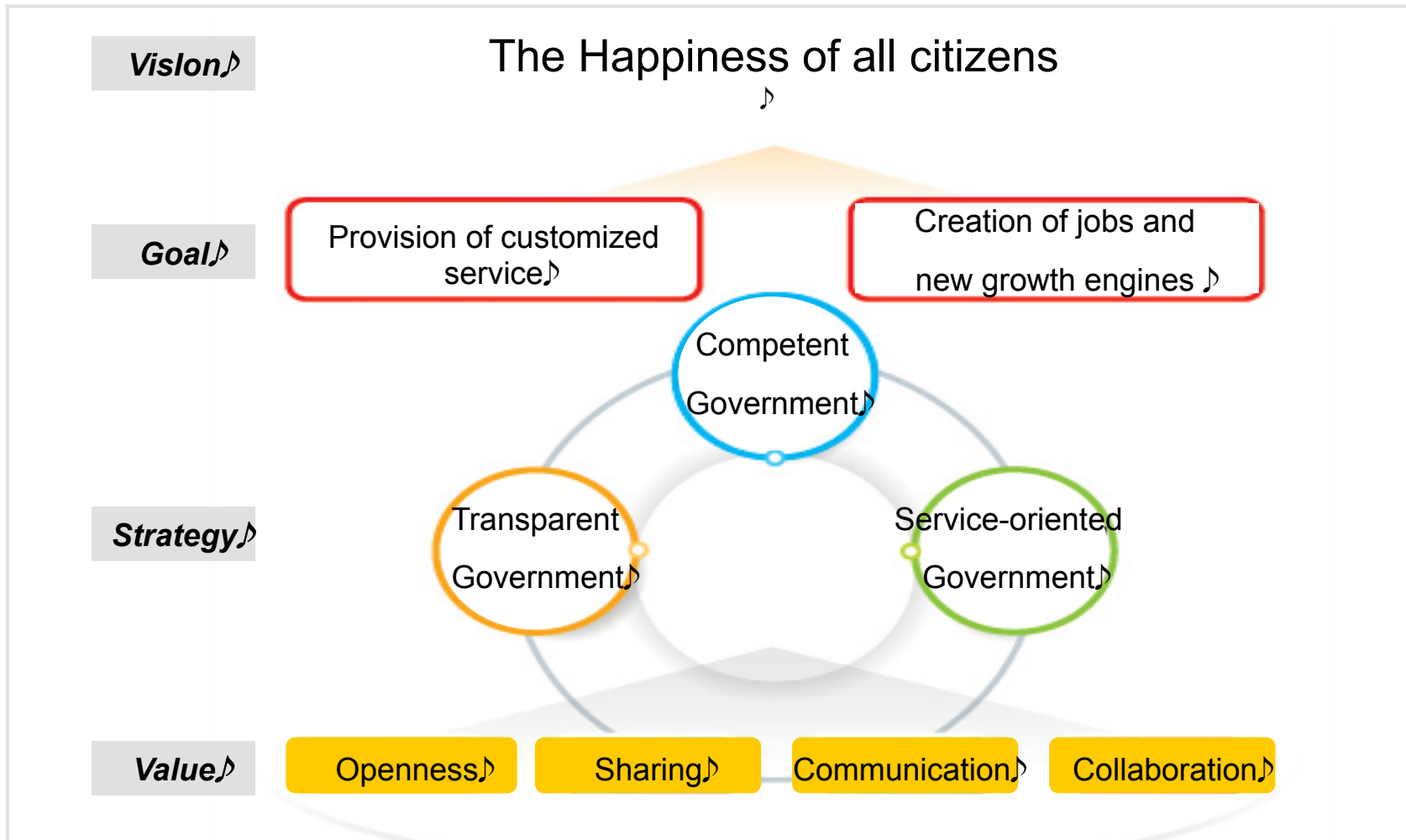
Manager

Minchul Lee

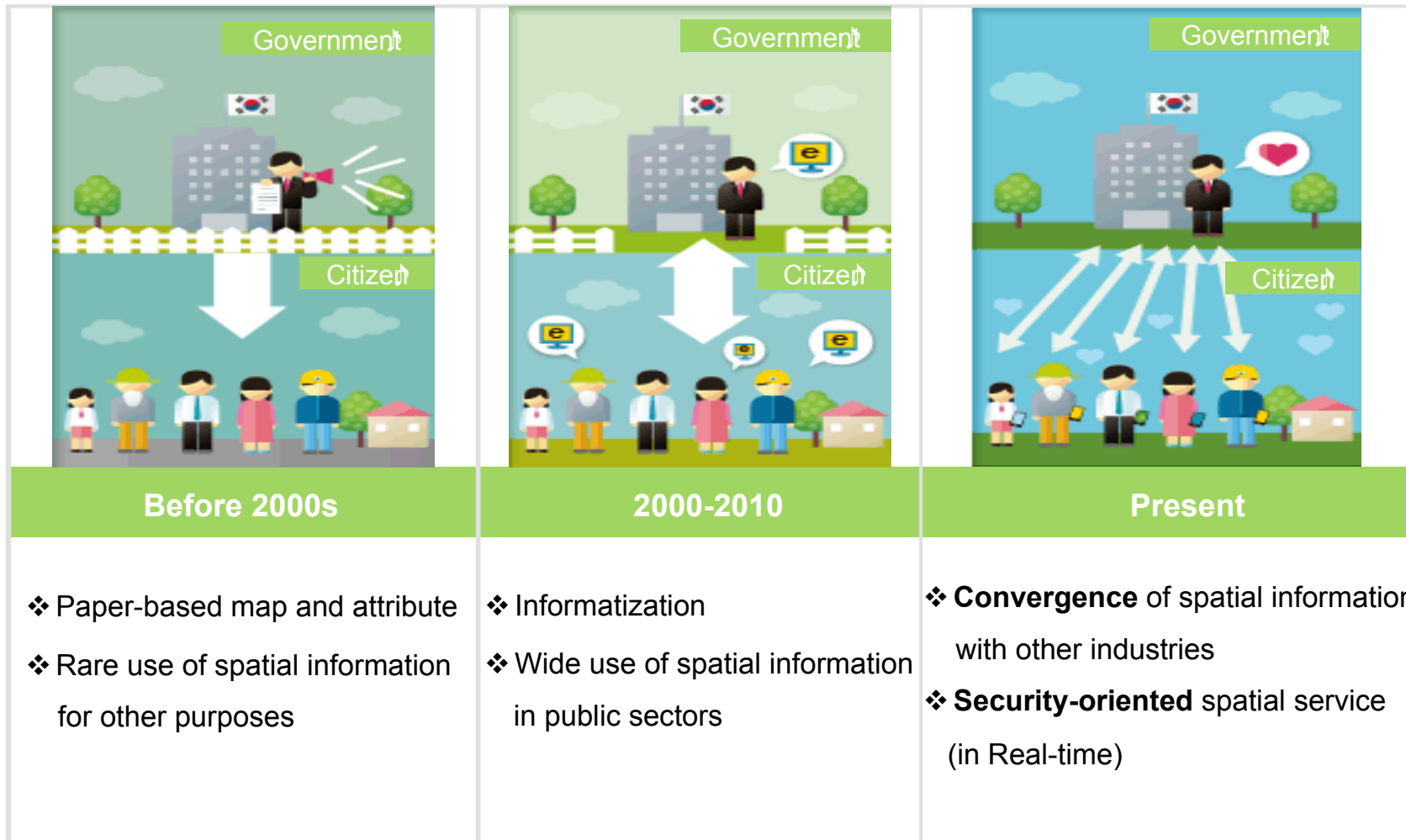
March 28, 2014



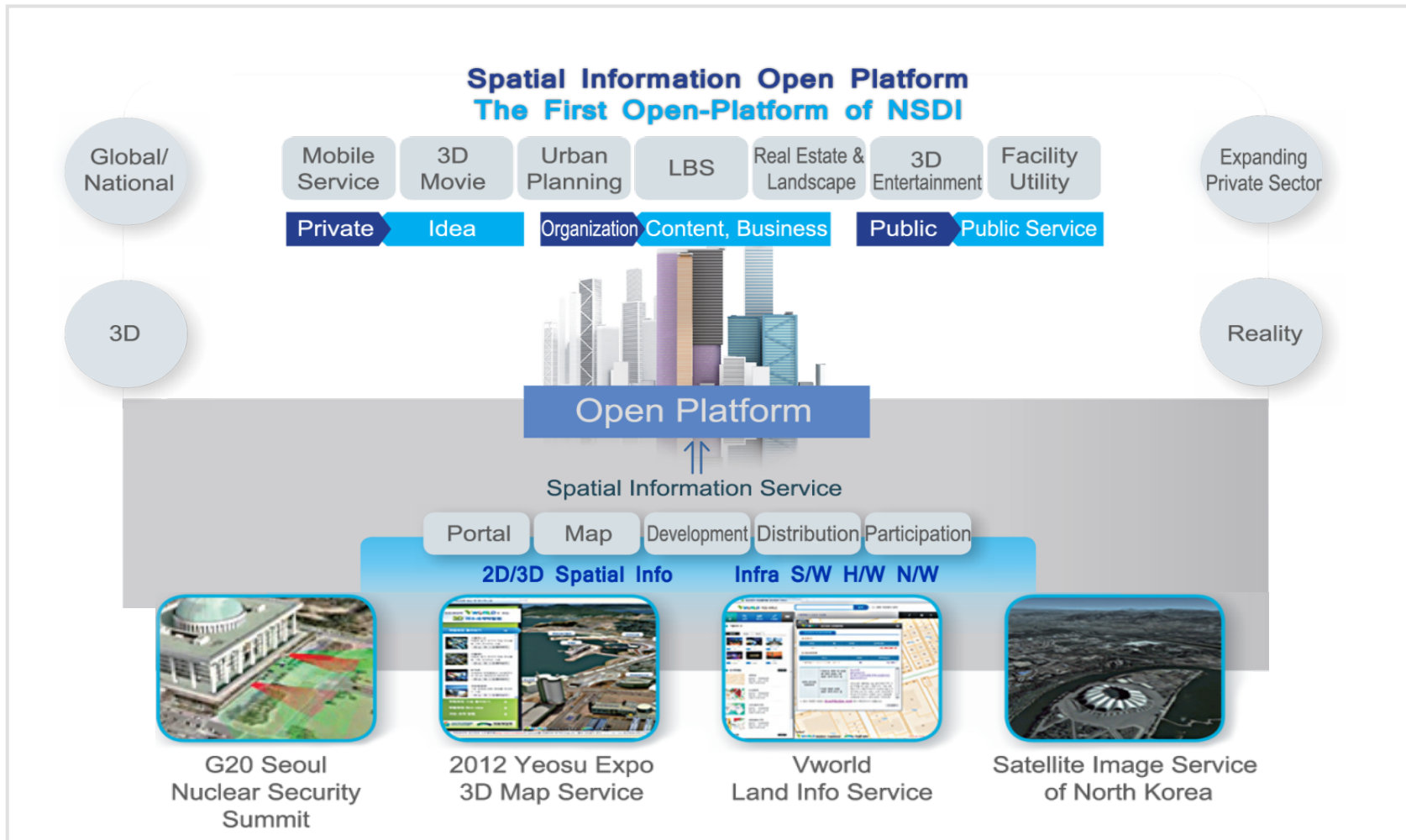
Trend of Korean Governance



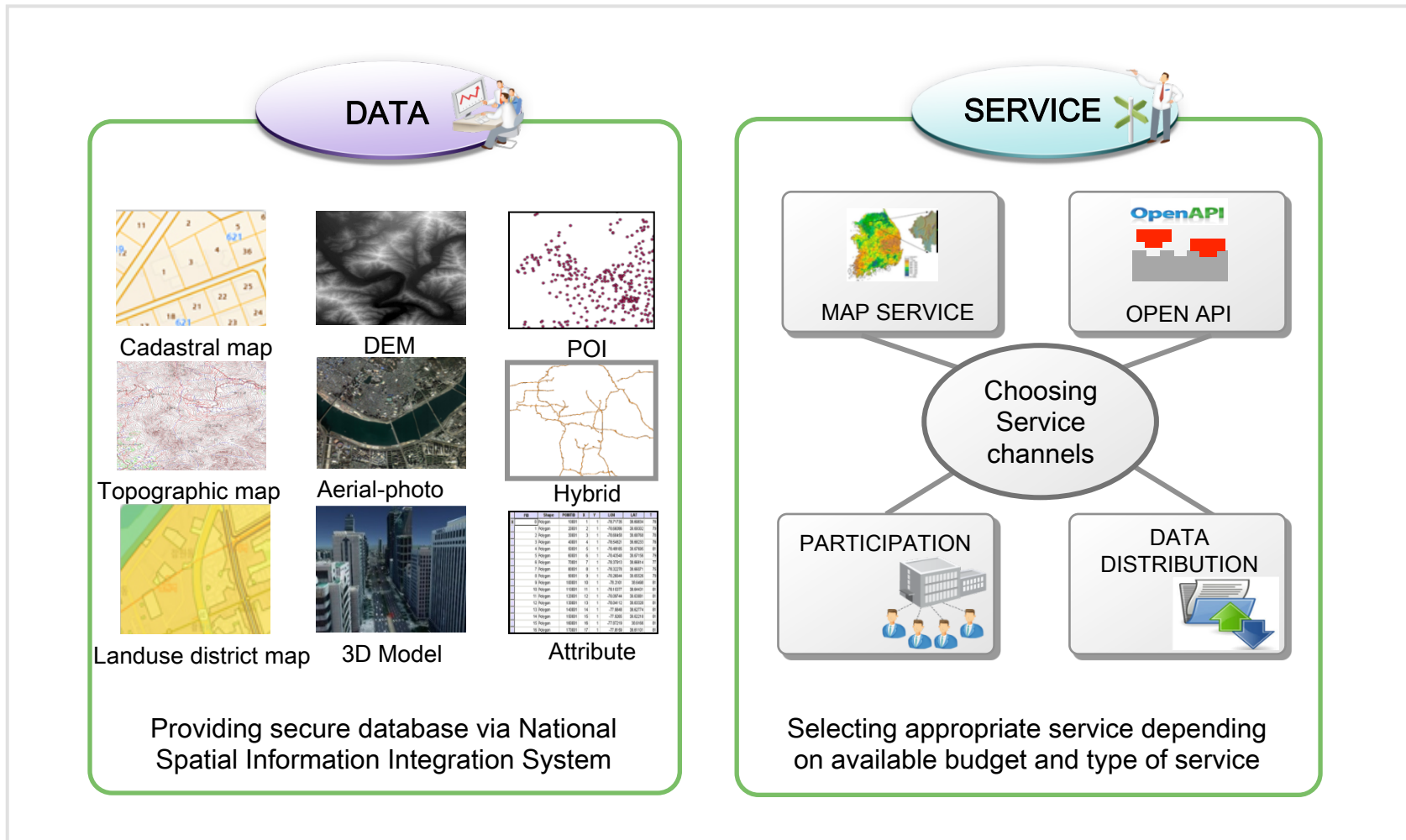
Paradigm Shift in Land Administration



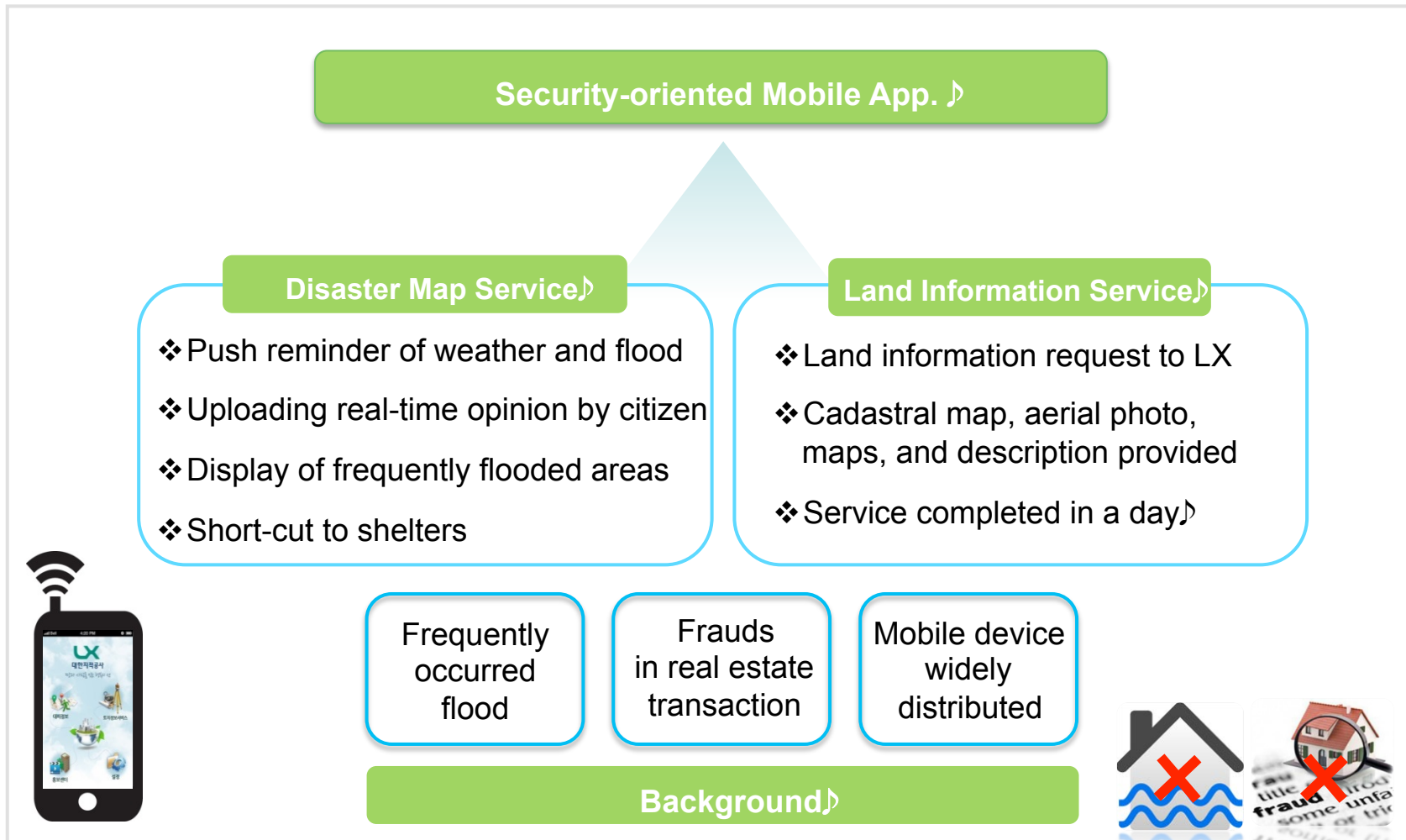
What is Spatial Information Open Platform(SIOP)?



Data sets and Services of SIOP



Example Developed Using SIOP♪



Two-way Disaster Map Service♪

e.g. Internal analysis(server processing)♪		
Grade 1♪	Grade 2♪	Grade 3♪
★★★	★★☆	☆☆☆
Legend : Flood mark Shelter Predicted area of flood Danger area of natural disaster Danger area of flood		
Display in Mobile App.(User Interface)♪		
Grade 1♪	Grade 2♪	Grade 3♪

❖ **Directing optimum shelters**, referring to spatial data and analysis

Referred Data

- Flood Mark Map(acquisited by LX)
- Flood Danger Map(by NEMA)
- Natural Disaster Danger Map(by NEMA)

* NEMA : National Emergency Management Agency

Land Information Service

UI of Mobile App.♪

❖ Available data

- Cadastral map
- Aerial photo
- Site photo taken
- Description (Opinion of Surveyor)

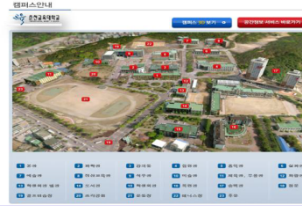
Other Applications

Fields to apply

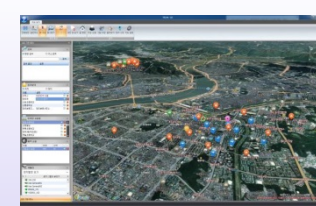
Cultural Heritage Management



Facility Directory Map



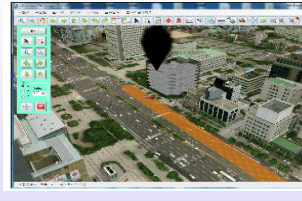
CCTV Management System



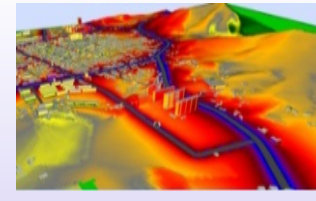
Landscape Analysis



Emergency/Disaster Response



Statistical Map



Transforming Map API

Integrated API

2D map API

3Dmap API

Mashup Example

API Certification

Things To Be Improved

- ❖ Limited spatial data sets of SIOP
- ❖ Integrating all data managed by ministries into a single platform
- ❖ Newly establishing and updating existing spatial data



Thank you for your attention.