



## . Korea & Cadastre

#### • Korea

- Population : 48 millions
- Area : 100,000 Km<sup>2</sup>
- Capital : Seoul (10 millions , 605.5

#### • Call 전 출간증심의 정보화 주진

- Parcels 37 millions
- Land use

Torest(65%) agricultural(21%) अध्यान संग्री क्रियानिक • Road & Railway(3%)

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Industrial, Water body, etc.(8%)



#### . Korean Cadastre

Establishment of Modern Cadastral System 7

- Land Exegistration Project(1910-1918)
- Forest Registration Project(1<mark>9개적 측궁자보의 DB 와 통합관리 필요</mark>
- 지역특량증심의 정보화 주변 interest of and registered
- Graphic & Textual registration 21시키 무한경쟁체제 대비
- Characteristics 응정보관리 및 확용체계 배월 Fiscal cadastre for taxation pulled 한정보 유통사업 추지

  - Cadastre & land registration managed by different all still tions





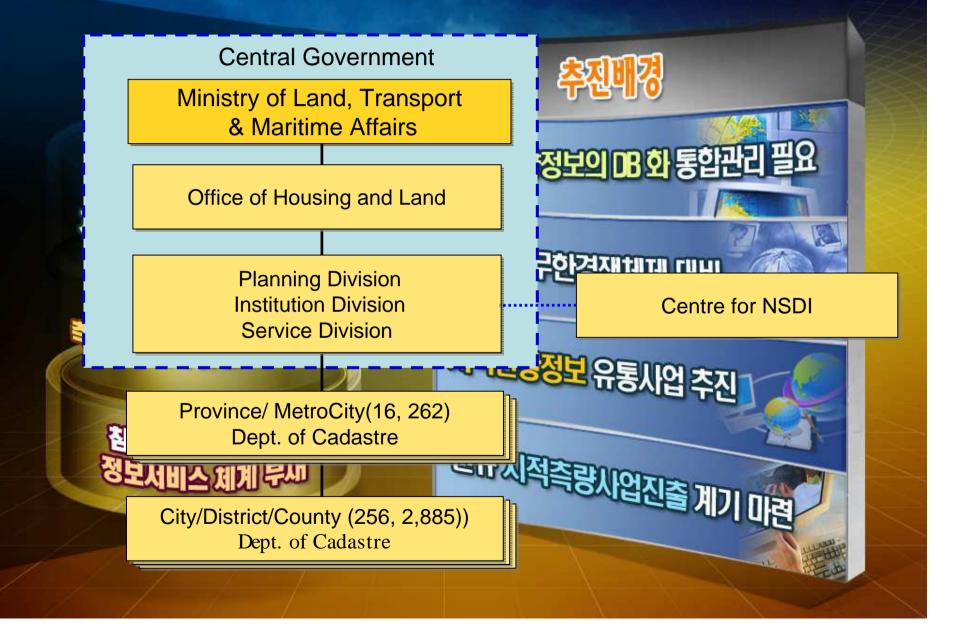


# Surveyors





# **Current Administration**



# **II. Cadastral** Surveying

#### Geodetic Control Network

- 1st order 1st class : 169
- 1st order 2nd class : 949
- 2nd order 1st class : 6,252
- And order 2nd class 12,051 시작측량당(위 정보화 주전
  - Triangulation Points: 4,311
  - Traverse Points : 431,058

- connected to NGD & ITRF



### Informatisation

Cadastral information available in digital format

- Texture database completed in 1990
- Graphic database completed in 전성측량정보의 DB 회 통합관리 필요
- 37시에 방송 이 공단회 관심ttribute & graphic data in digital format 21시기 무한경쟁체제 대비 Application System
  - arce Based Land Information System (PBLIS) was developed in 1996 after 4 years analysis, designing a
    - e-designed and Upgraded for interoperating with other spat
      - HIAN Hadeed to Korean Land Mead Ale Ale Ale Ale

# **III. Korea Cadastral Survey Corp.**

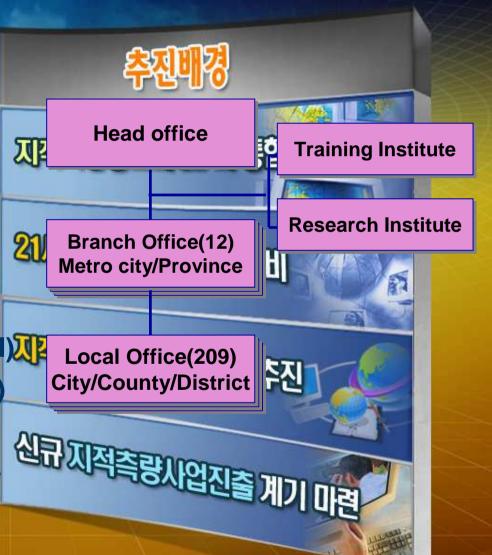
#### Establishment

- Established by Gadastral Act in 1938
- Renamed to the current KCSC MARSHOLD
- M ( ) 역측 광당실 이 광보화 추진 - Providing cadastral surveying 20, 50 무한경쟁차
  - Supplying cadastral information R/D for improving cadastral systems and technology
  - Training cadastral surveyors
  - etoriatic otdeseas projects신규지적측량사업진출 개 SEAMA 체계 문제 romoting international cooperation

# KCSC

## • Manpower (4,000)

- 940 surveying teams(3,800)
- 200 Researchers, Office Workers, IT engineers, etc. 지적측량증심의 정보화 주진 Organization
  - 1 Head office in Seoul 12 Erand Ratifices (provincial) 209 Local offices (municipal) Cada \*환제도 편대 환영 Institute Catastrat Research Institute







### **IV. Cadastral Education**

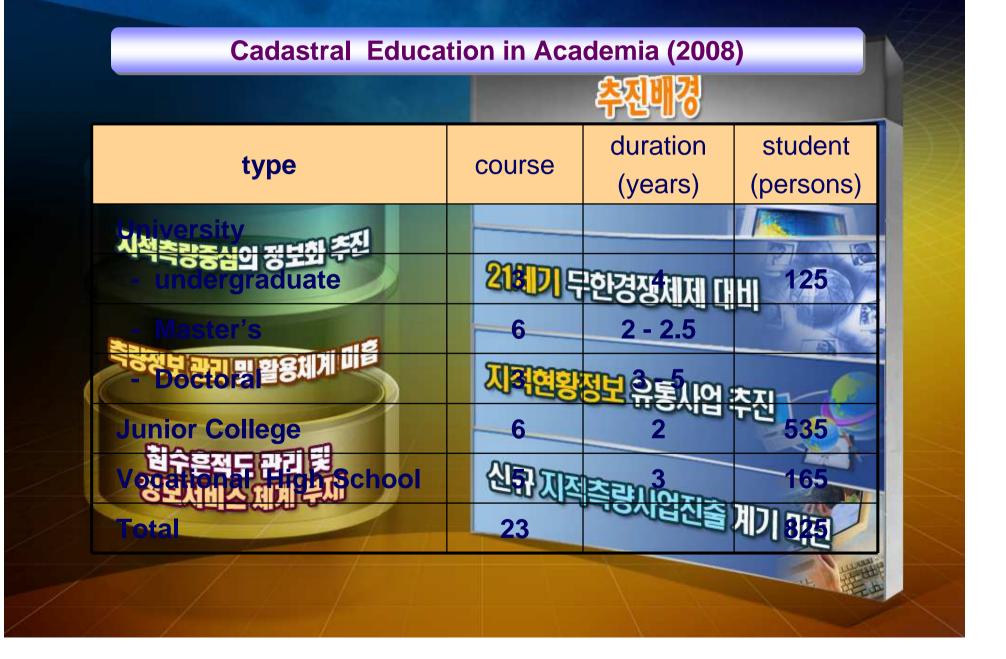
2 mainstreams

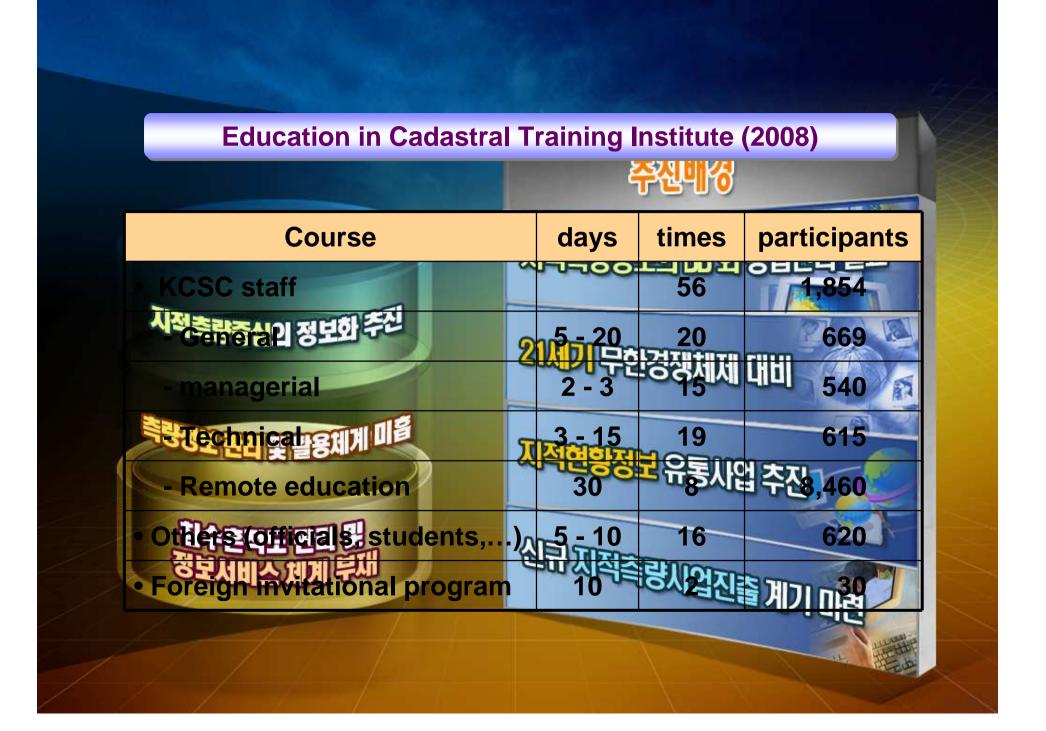
Academ



aus & Regulations, Surveying, Mapping, CIS, SW engineering

now-how more practical rather than academic 실수은적도 관리 및 In the Provide Hole Provide Example education In the Provide Hole Provide Example Education In the Provide Hole Provide Provid





# V. Conclusion

• 100 years maintenance but still many to resolve

- inconsistency in tween real occupation and boundary on map.
- inconsistency between cadastral info, and registry info 시작측당장도의 마와 통합관리 필요 - inability to support 3D ownership & superficies
- Cadastral and topographic surveying, marine charting controlled by
  - Cadastral surveying (Korea Cadastral Site 유통사업 추지)
    - hydrographic surveying (National Oceanographic Research Institute) 이사는 역시도 관기로 이사는 역시 다양(가영문)(happing activities) (이유 다양(다양) (이유 다양) (이유 다양)
  - Eliminating duplicated activities & reducing budget, sets onnel, ....

# Thanks you for your attention!

