

## THE NEEDS FOR IMPROVEMENT IN TURKISH LAND ADMINISTRATION SYSTEM: LESSONS LEARNED FROM GERMAN CASE

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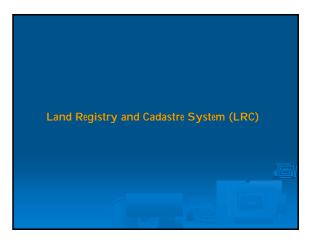
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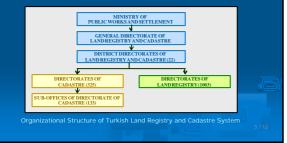
### Introduction

- Importance of effective land administration systems
- The aim of the study is to evaluate efficiency of present Turkish land administration system (LAS) and to submit some proposals to develop its efficiency.
- Research on efficiency of Turkish LAS
- Research on German LAS
- Lessons learned



### Furkish land registry and cadastre system

- Organizational structure consistent with modern requirements
- No inconsistency between the works and data of LRC offices



### essons learned from German LRC system

- Turkish Cadastre Information System (TAKBIS) in development process
- German Cadastre Information System (ALKIS)
  - international standard:
  - common application schema with Authoritative Topographic-Cartographic Information System (ATKIS) and Authoritative Control Points Information System (AFIS)





### Lessons learned from German LRC system

- Thanks to encouragement in transfer of real estates to heirs up-to-date registers
- stration
- Thanks to special groups in cadastre offices; up-to-date buildings data on cadastral mans



# Topographical Mapping System

### urkish topographical mapping system

- Responsible authority for;
  - 1:10.000 and smaller scale: General Command of Mapping
  - 1:5.000 and larger scale: different government institutions
- Main producers and users of large scale maps: Municipalities
- The two ways to have large scale maps i municipal areas:
  - Municipality personnel
  - Provinces Bank



### Lessons learned from German topographical mapping system

- Turkish General Command of Mapping (GCM);
  - central organization
  - not enough technical personnel and tools to carry out to mapping works for the whole country
- No digital topographical maps in vector format and object-oriented structure in most part of the country.
- The responsible organization for topographical mapping in Germany Surveying and mapping administrations of the states.
- In Turkish case: The District Directorates of Land Registry and Cadastre.

### essons learned from German topographical mapping system

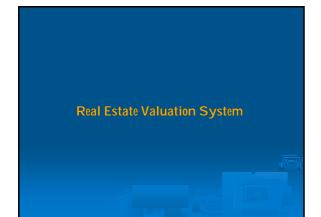
- Lack of:
  - effective coordination in production of 1:5.000 and larger scale topographical maps in Turkey
  - effective coordination in building up geodetic control points in the field
- The District Directorates of Turkish LRC should also
  - contract and supervise municipal mapping works
  - carry out works for topographic and geodetic control point information systems
- General Directorate of Turkish LRC could be responsible for nation-wid data requests and supervise works of District Directorates like in Germany.

### essons learned from German topographical mapping system.

- > Thanks to the proposed approach;
  - All mapping activities under the same organization
  - · revention of overlapping works
  - Data captured once, used in all mapping levels
  - International standards
- The same data structure with other spatial information system works
- Topographical Information
  System







### Turkish real estate valuation system

- > Valuation works for taxation purpose once in 4 years by municipalities
- Valuation works especially for expropriation purpose by some government institutions
- Each municipality and government institution has its own valuation committee
- > About 15 institutions carrying out valuation works in Turkey

### Lessons learned from German real estate valuation system

- A specific valuation law and guidelines in which the system is dearly defined
- Evaluation of purchase prices and object characteristics in valuation works of the committees
- Guiding prices, annual reports and maps based on real market price
- Using the valuation information provided by the committees by all public and private users

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### Conclusion

- Countries should evaluate effectiveness of their land administration systems and adapt them to new developments.
- This study aims at evaluating effectiveness of Turkish LAS and submitting some proposals for better administration of it.
- In defining improvement way, the experiences learned from German land administration system have been a guide.
- Such case study approaches are also proposed to the other countries where there are needs for reengineering or improvement in the land administration system.

## thanks for your attention

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