



FIG Working Week 2012

Rome, Italy 6–10 May

Knowing to:

Manage the territory
Protect the environment
Evaluate the cultural heritage



Business Development of China Cadastral Management

Dong JIANG and Zhiling HUANG, China

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contents

- ◆ History of China Cadastre
- ◆ What we do now
- ◆ Achievements
- ◆ Challenges
- ◆ Future

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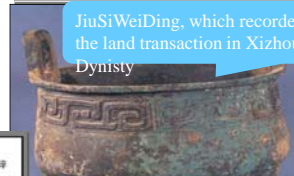
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History of China Cadastre



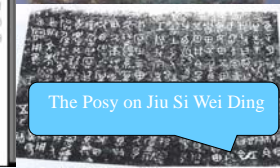
Yulin Map—Scale Map Booklet, in Ming Dynasty



JiuSiWeiDing, which recorded the land transaction in Xizhou Dynasty



“Zhong Ren Xie Tian” Oracle Inscription, which recorded the organized group farming activities in Shang Dynasty Length: 14.8 cm, Width: 12.5cm



The Poxy on Jiu Si Wei Ding

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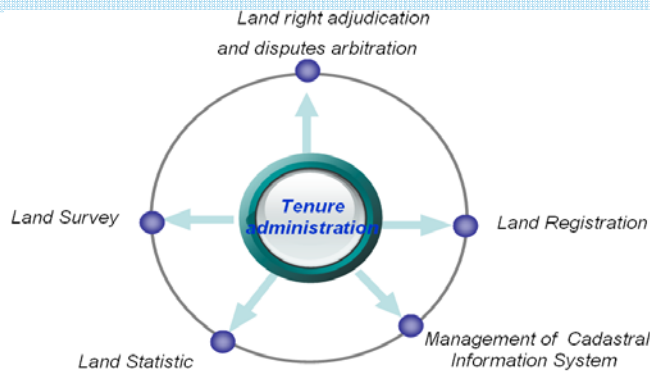
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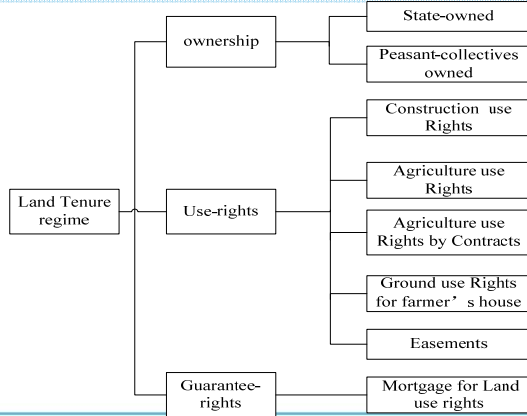
What we do now....



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1. Land right adjudication and disputes arbitration



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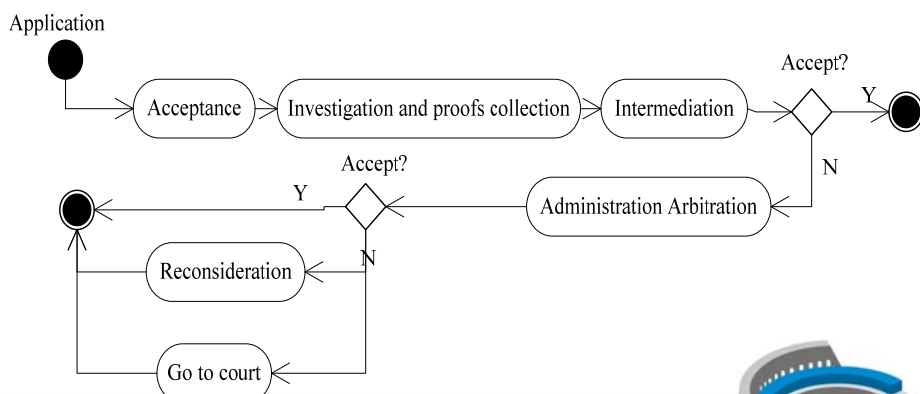


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2. Land Registration ---title registration & Torrens registration



Certificate of State-owned Land-use Right, PRC



Certificate of Collective Ownership on Land, PRC



Public bulletin



Certificate of Collective-owned Land-use Right, PRC



Certificate of Other Land-use Right on land, PRC


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3. land investigation

- Current land use(1st: 1984-1995, 2nd:2007 — 2009)
- Land use changing(Annually)
- Cadastre survey (title investigation and boundary survey)
- Land condition (reserved land for sustainable development)
- Dynamic monitoring for land use

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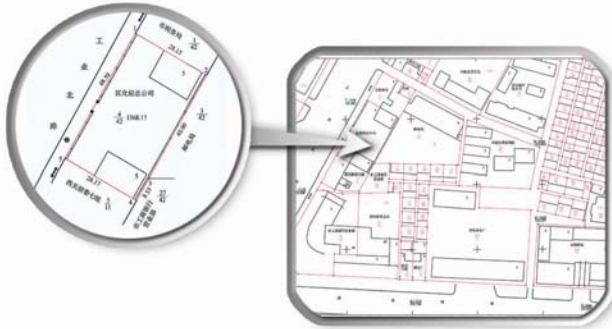
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Cadastral map and parcel map



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Dynamic monitoring



Remote sensing image, 2002

Remote sensing image, 2003



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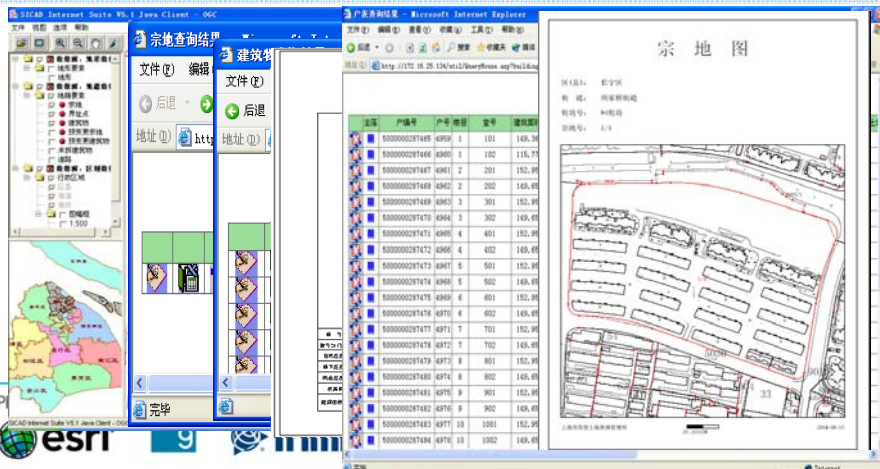
4. Land Statistic

- ◆ Quantity & Quality
- ◆ Distribution
- ◆ Land use & changing trends
- ◆ Land tenure structure

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5. cadastral management information system



The screenshot displays a web-based cadastral management information system. On the left, there is a navigation pane with a tree view of land parcels. The main area is divided into two parts: a data table and a map. The table lists land parcels with columns for '宗地号' (Parcel ID), '户号' (Household ID), '用途' (Use), '面积' (Area), and '建筑层数' (Building Floors). The map, titled '宗地图' (Parcel Map), shows a detailed layout of buildings and land parcels within a specific area.

宗地号	户号	用途	面积	建筑层数
500000287445	4059	1	101	149.36
500000287446	4060	1	102	115.77
500000287447	4061	2	201	152.95
500000287448	4062	2	202	149.05
500000287449	4063	3	301	152.95
500000287470	4064	3	302	149.05
500000287471	4065	4	401	152.95
500000287472	4066	4	402	149.05
500000287473	4067	5	501	152.95
500000287474	4068	5	502	149.05
500000287475	4069	6	601	152.95
500000287476	4070	6	602	149.05
500000287477	4071	7	701	152.95
500000287478	4072	7	702	149.05
500000287479	4073	8	801	152.95
500000287480	4074	8	802	149.05
500000287481	4075	9	901	152.95
500000287482	4076	9	902	149.05
500000287483	4077	10	1001	152.95
500000287484	4078	10	1002	149.05



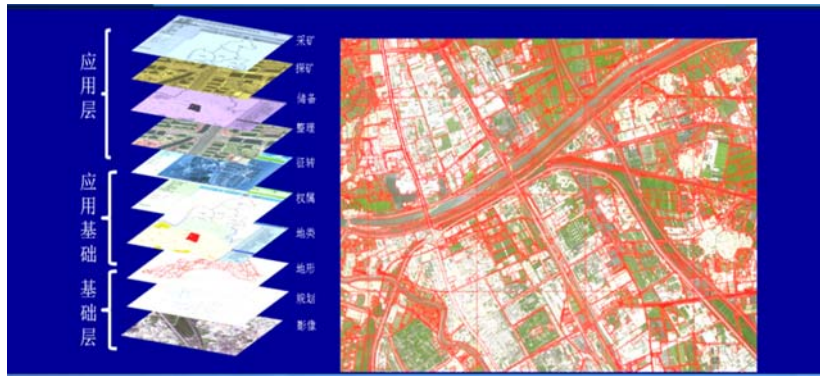
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Provide Service for.....(Achievements)

- ◆ Land resource management
- ◆ Environment protection,
- ◆ People census
- ◆ land use planning
- ◆ land supervision
- ◆ agriculture, forestry, hydraulic engineering and statistics, etc;
- ◆ earthquake disaster evaluation

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Challenges faced.....

- Property are multiple registered by different authorities
- Land tenure system need to be perfect
- Un-balanced development in rural & urban area
- Demand for protecting collective peasants property right
- Require for updated and on real time cadastre information

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Our Future...

- ◆ For right holders: more strong protection
- ◆ For public: more social service
- ◆ For policy decision: more available information
- ◆ For land administrations: more effective support
- ◆ A United land registration system

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- Thank you
- &
- Welcome to China

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Trimble

