

# Recent advances on construction IT in mainland China

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# Agenda

1. Introduction to the electronic government system of the MHURD
2. Introduction to the construction IT related project in 11<sup>th</sup> five-year plan

# 1. Introduction to the electronic government system of the MHURD

- Background

Change of government's functions

from **doing things** specified by law and regulations  
to **serving the public** in assigned aspects

Major functions of MHURD

Administration on **real estate development**

Supervision on **construction projects**

**Housing** insurance

Administration on **urban-rural planning**

- Current state

Each information system is developed for automating certain existing works

Far from the functions of the Ministry

“Automation islands”



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市建委行政服务大厅  
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- 市建委2008年上半年建设系统行政基础工...
- 市建委与市统计局就建筑业统计工作召开...
- 市建委召开2008年一季度行政基础工作考...
- 市建委召开2008年一季度行政基础工作考...
- 建设部和国家统计局统计巡查组来我委检...
- 市建委召开2007年全年经济形势分析会...
- 市建委召开全系统2007年前三季度经济形...

基本统计数据

建设领域经济形势分析



- 1-5月北京市房地产市场运行情况
- 1-4月北京市房地产市场运行情况
- 一季度北京市房地产市场运行情况
- 1-2月北京市房地产市场运行情况
- 2008年北京市房地产市场运行情况
- 1-11月北京市房地产市场运行情况
- 1-10月北京市房地产市场运行情况

链接导航 Links

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建造师注册管理系统

北京市建筑工程劳务分包合同及人员实名制备案系统

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主办：北京市住房和城乡建设委员会 承办：北京市建设信息中心 备案编号：京ICP备05083563号

- Problem

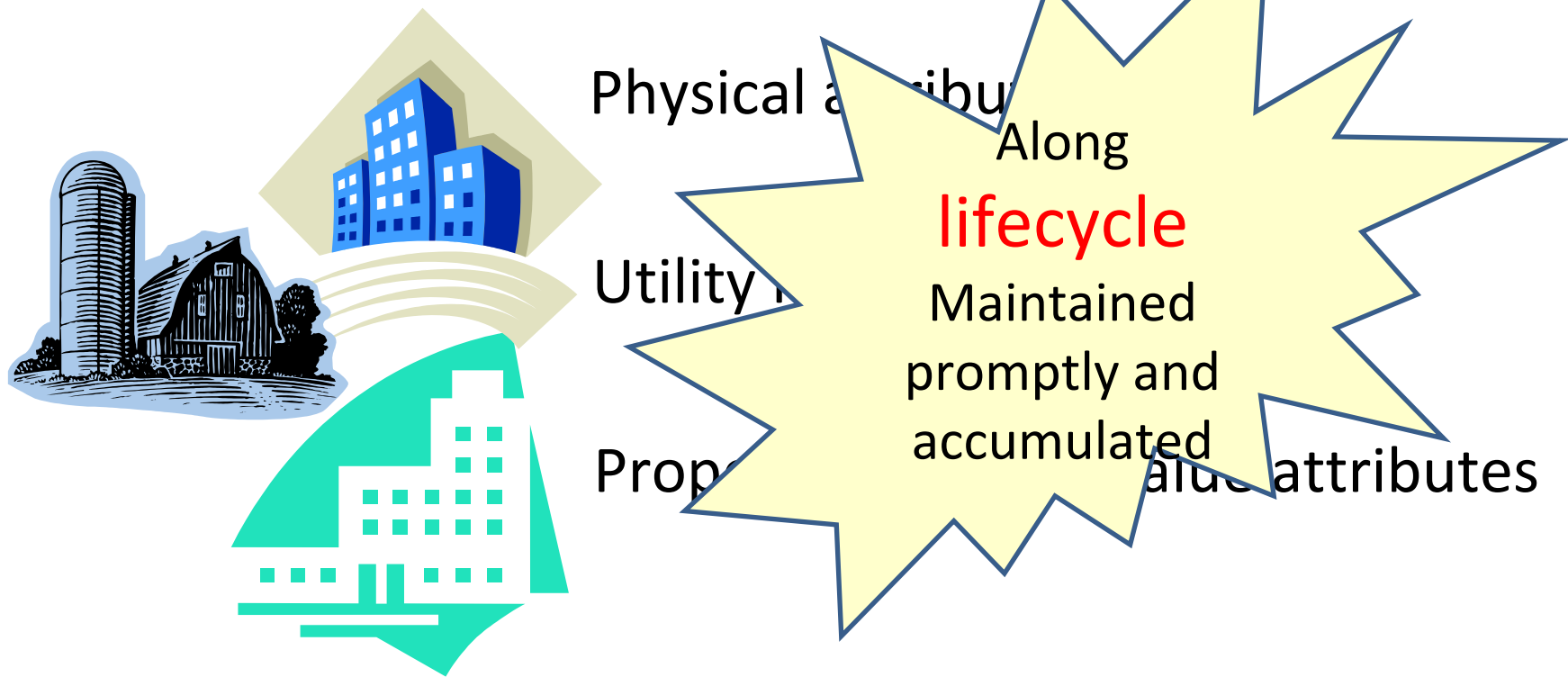
Do the current information systems suffice?







- Basic ideas of the new electronic government system



- Example of urban-rural planning

Distribution of

Facilities of economic functions

industrial aggregation, industrial firms, whole sales and retails, logistics, finance, tourism...

Facilities of social functions

Infrastructure

Area of agricultural and forestry

Residential buildings

...

- Basic mechanisms

The informations are

**M**aintained promptly by professional individuals, firms, government and public

**A**ccessed based on access rights

**O**pen to the public including firms and individuals

- Rough schedule

This year

Conceptual design

Feasibility study

Applying project budget

Next year

Bidding and start

**At least five years** are need to complete the system





## 2. Introduction to the construction IT project in 11<sup>th</sup> five-year plan

- Background

The state's five-year plan

Many projects are included

Technological project to foster the industries

Construction IT related projects have been sponsored from the 10<sup>th</sup> five-year plan

## Construction IT related projects

No.	Project name
1	Excellence of the services for digital community
2	Excellence of the services for digital tourism
3	Research and excellence for digital city
4	Research on dynamic monitoring of urbanization and rural construction
5	Key technologies for the construction and operation of urban utility pipelines
6	Research on region planning and more efficient urban land use
7	Key technologies for more efficient construction and operation of urban infrastructure
8	Key technologies for disaster prevention and handling of large and important urban buildings
9	Key technologies for comprehensive handling and reuse of everyday life garbage
10	Key technologies for upgrading transportation systems and facility construction
11	Key technologies for modern design and construction of buildings
12	Key technologies for refurbishing existing buildings
13	Key technologies for informatization of construction industry

- Keywords

Digital city

Digital comm Urbanization and rural construction

Digital tourism Urban utility pipeline

Construction and operation of infrastructure e

Disaster prevention of large buildings

Hand transportation systems and facility construction

design and construction of buildings

refurbishing existing buildings

informatization of construction industry

- Budget

20 million to 40 million RMB

per project

(1 USD = 6.8 RMB)



Thank you for your attention

