

# Advance of new e-government system of the China MHURD

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# Agenda

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# 1 Look back

In 2009, I introduced the e-government system of the China MHURD

## 1. Introduction to the new e-government system of the MHURD

- Background

### Change of government's functions

from **doing things** specified in laws and regulations  
to **servicing 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**

# 2 Further background

Social panic with surging house price

Current provision of houses

Low security 5%

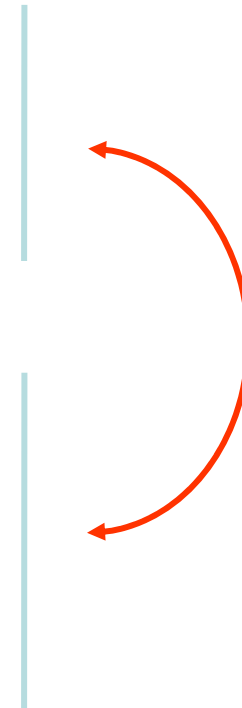
Investment 95%

Required provision of houses

Low security 5%

Housing 60%

Investment 35%



The government has to play its roles

1. Adjust the structure of provision

Possible means: preparing laws

2. Adjust market

Possible means: raise the market share of housing  
to push the house price down

# 3 Objectives

The government needs the basic data that reflect the house provision in real time to play its role.



The China MHURD decided to establish the Housing Information System.



Put into operation by November this year.

# 4 Contents

## 1 Data collection

Data mirror

for existing data and

Data copy

for incremental data

**40 cities** for the management of household property rights

**340 local centers** of housing accumulation fund for basic

housing data

Accommodate **heterogeneous relational database**  
migration

## 2 Data integration

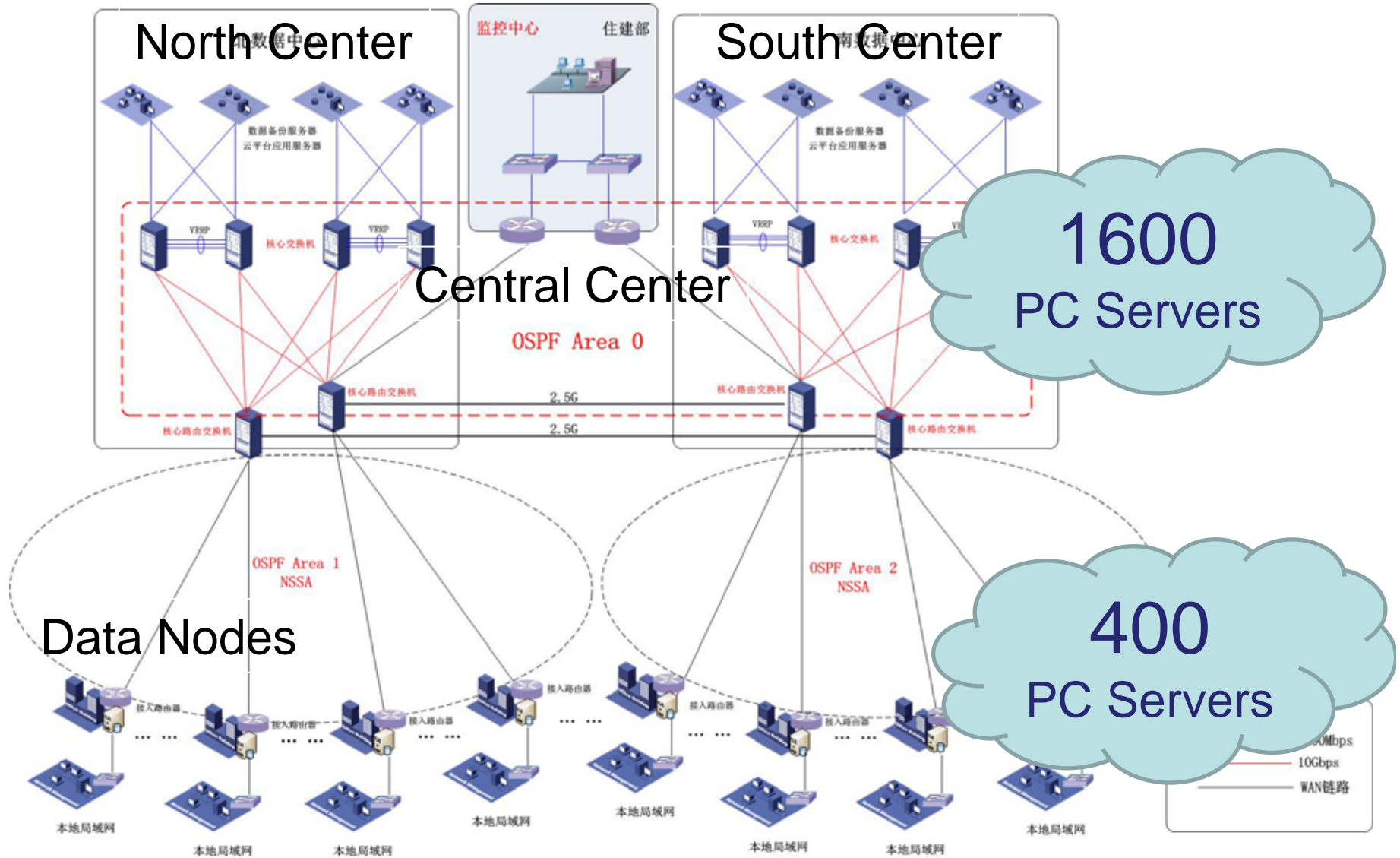
Through flexible ERP technique, forming the nationwide **integrated information resources of same semantics**.

## 3 Data application

Based on the nationwide integrated information resources, provide **query functions** for both central government and local governments, and **statistical functions** to carry out analysis to support decision-making on housing, financial and taxation aspects.



# 5 Framework



## 1 Three centers

**South center:** storing 180 northern cities' data

**North center:** storing 200 southern cities' data

**Central center:** Monitoring the other two centers,  
facilitating data mirror of 380 cities' data

## 2 Network connected 380 nodes around the country

Establish **data mirror servers**

in the household property management authorities of **40 cities** and

**340 authorities** for managing the housing accumulation fund

# 6 Characteristics

## 1 Flexible EPR technique

To ensure **the consistence of data** between the central center and the local centers by **using data mirror techniques**

To facilitate **the change in both structure and items of data** by **using ontology**



When the data change in any local center, it will **do not affect the central center** to obtain data for query and analysis

## 2 Cloud computing of information resources

To support **distributed semantics, data management and computing** based on network

Thus there is **no need to establish very powerful centralized facility** for data management and computing.



Achieve **cheaper computing**, i.e. about 1/6 the price of the centralized facility

### 3 New establishment method

Major providers and developers establish the system

MHURD pays rent first: 6M USD per year

May buy and then pay service fee



Easy to establish and maintain.

Thank you for your attention