

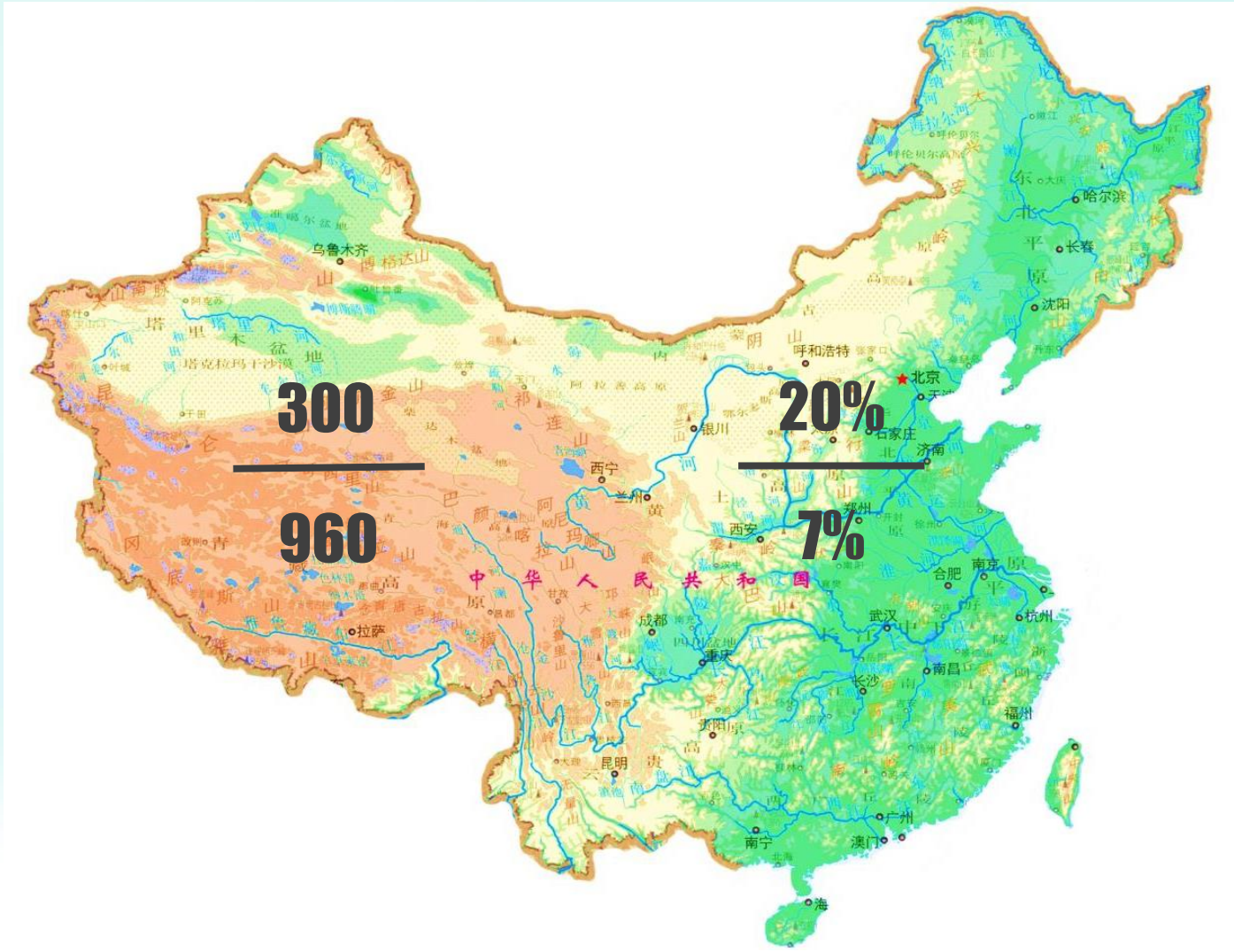
Land Survey for Land Governance in China

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Background : General situation



数据来源：国家统计局、国土资源部

Background :

Urbanization vs Food Security



Background :

Stringent land use policies

- **Controlling the speed of city expansions**
- **Protecting cultivated lands**

National plan for yearly land development



Provincial land development plan



Local plan for all cities



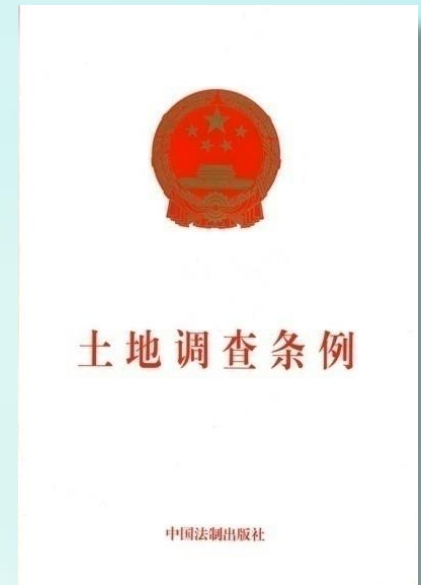
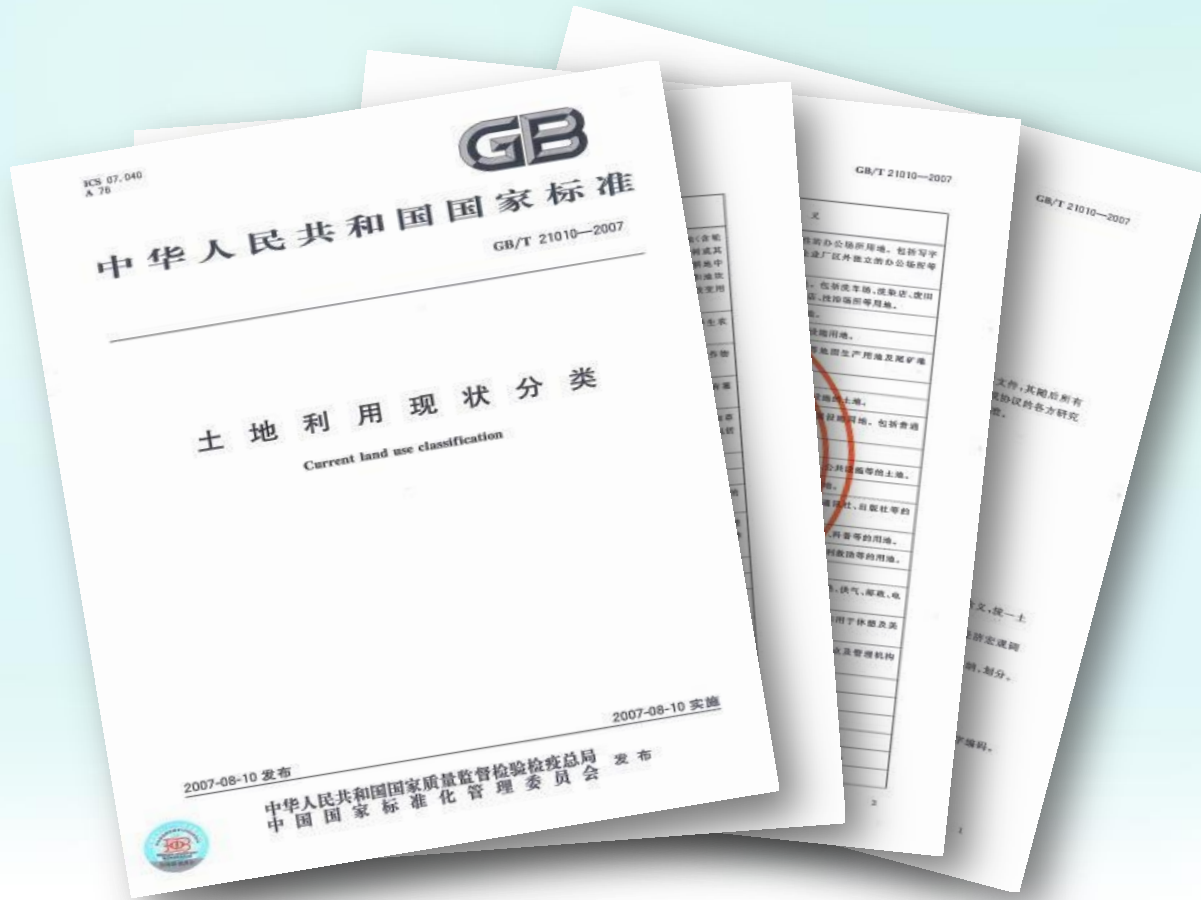
No city can develop more land than granted

Land survey(2007-2009)

In order to enforce the land use plan, it's necessary for the central government to monitor and review the overall land use conditions. As such, during the period of 2007-2009, China implemented a nation-wide land survey which is the first survey based totally on geospatial technologies, and covering the whole country.

Implementation :

A series of unified technical standards

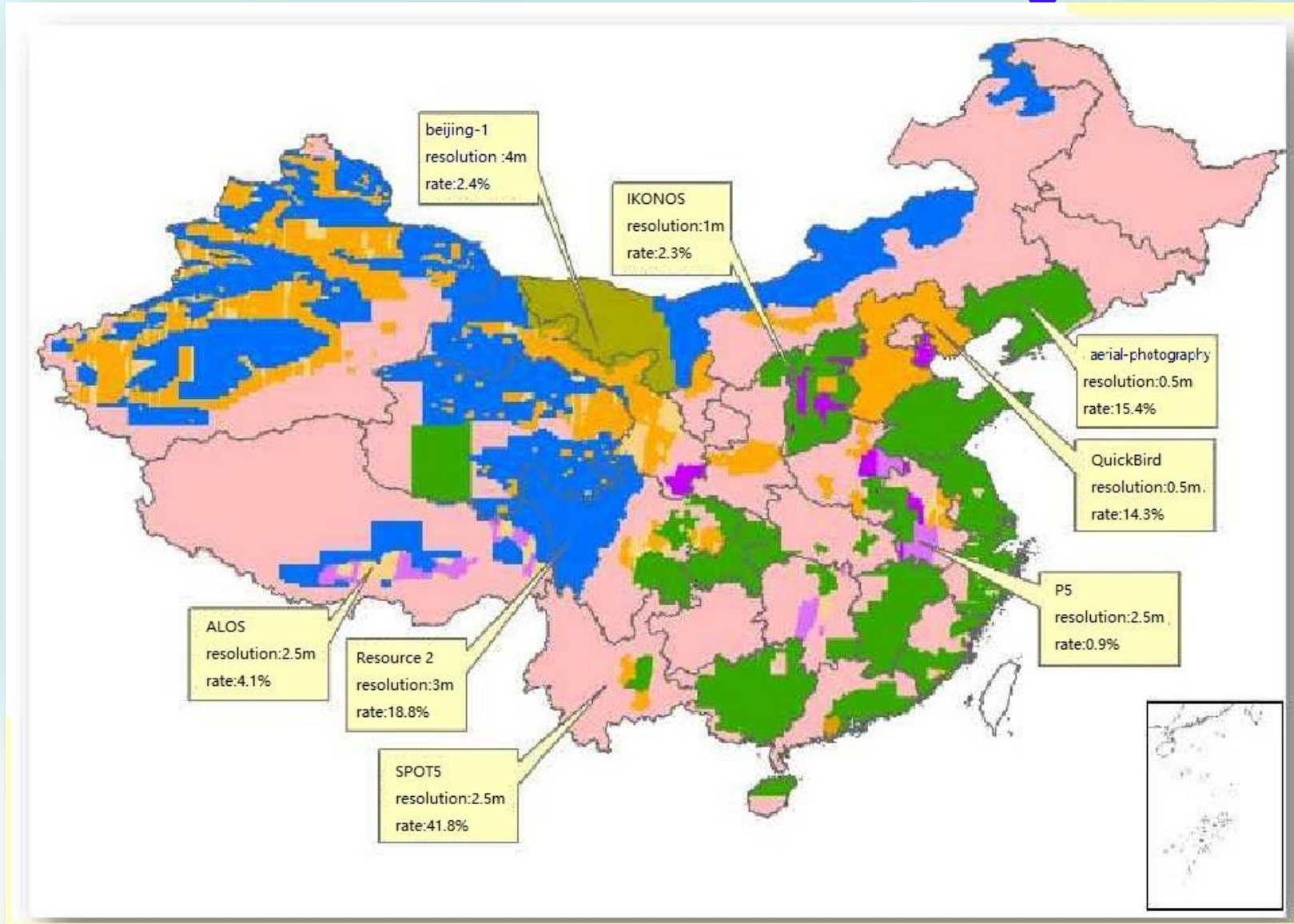


**Land Survey
Ordinance**

Land use classification standards

Implementation:

Images used



Implementation:

**Working base map
1:10000**

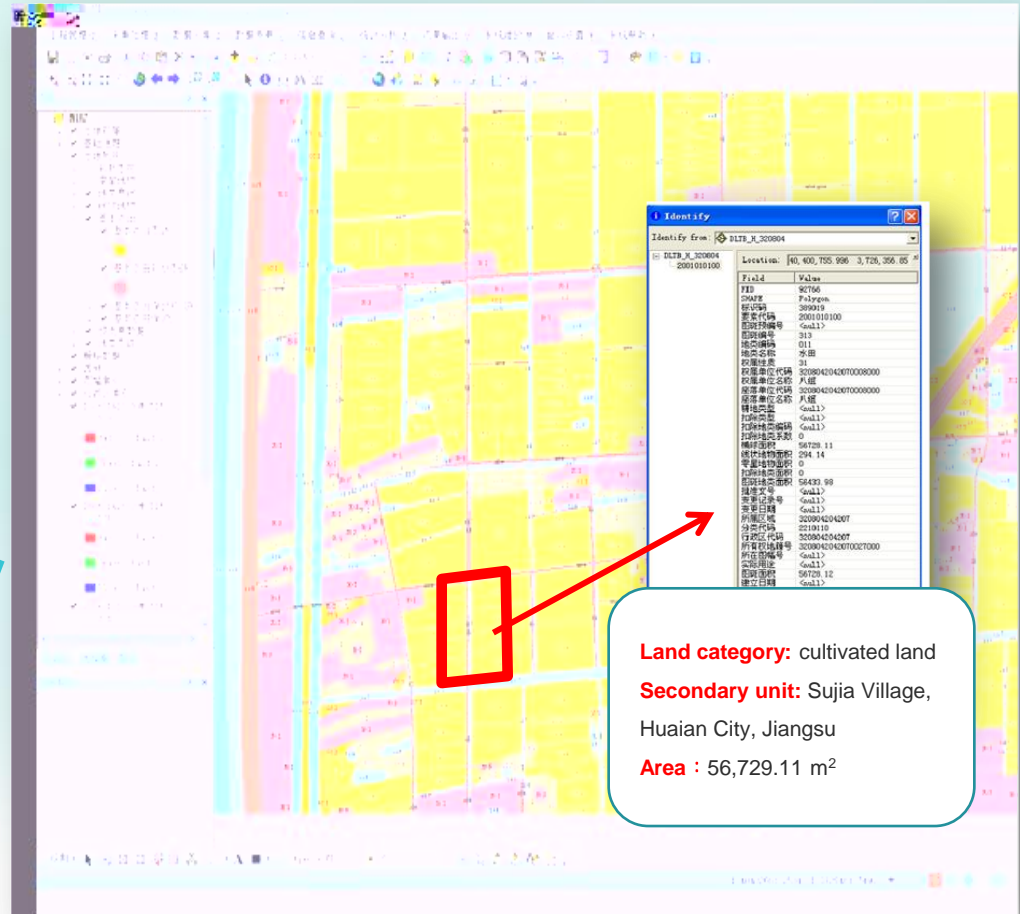


Images resolutions

Air-photo	0.5m
QuickBird	0.5m
IKONOS	1m
SPOT 5	2.5m
Resource 2	3m

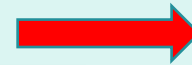
Implementation :

Field work and data integrating




Implementation :

Data validating



XX县2013年度土地变更调查成果国家级外业核查图斑分布图



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外业核查记录表

检查区:	安徽省芜湖市繁昌县	检查时间:	2013年3月17日
所有图幅:	B500202066	检查单元名称:	梅池村
图幅编号:	XC301	图斑(检查单元)编号:	360
图斑单元名称:	水田(011)	图斑面积(亩):	107
图斑类型:	3C	外业核查意见:	该图斑位于梅池村孔潭,实地为旱地(宁安镇新庄安置点)
作业时间:	2013	作业时间:	
作业时间:	11	作业时间:	


外业核查记录表

图斑编号	360	图斑名称	水田(011)
图斑面积	107	图斑类型	3C
图斑位置	梅池村	图斑用途	旱地
图斑现状	旱地	图斑备注	该图斑位于梅池村孔潭,实地为旱地(宁安镇新庄安置点)

外业核查照片



外业核查照片



备注:

检查人: 李刚 组长: 张成平



Results:

Land cover data

Land category name	Area(Mio km ²)	Proportion (%)
Cultivated land	1.345	14
Garden plot	0.148	2
Forest land	2.540	27
Grassland	2.873	30
Urban and village land	0.287	3
Transportation land	0.079	1
Water area	0.426	4

Results:

National Land Use Database

全国土地基础数据库-土地调查数据库管理系统

北纬:35度59分25.52秒
东经:109度29分29.74秒
距地面高度:4938.57千米

基本农田地块信息

动态查询、统计分析

耕地 (01)	园地 (02)	林地 (03)	草地 (04)	城镇村及工矿用地 (20)	交通 (05)
1566899.95	45087.30	21837268.44	2062528.24	1166461.89	573
2290742.38	8087.26	2378036.39	53699.45	218130.67	781
22686.96	60.48	1738.16	526.09	9434.42	18
7633.03	159.95	416.00	80.81	7546.09	7
34730.56	97.05	1968.19	949.26	8705.15	14
5470.29	47.94	393.03	61.70	2845.44	3
43675.46	88.98	3696.95	3648.94	9345.29	24
17165.74	172.01	1500.28	348.30	12177.68	14

Source: MLR of China

Results: data updating mechanism created

The survey laid down a foundation to trace land use changes year on year, and enabled timely data updating

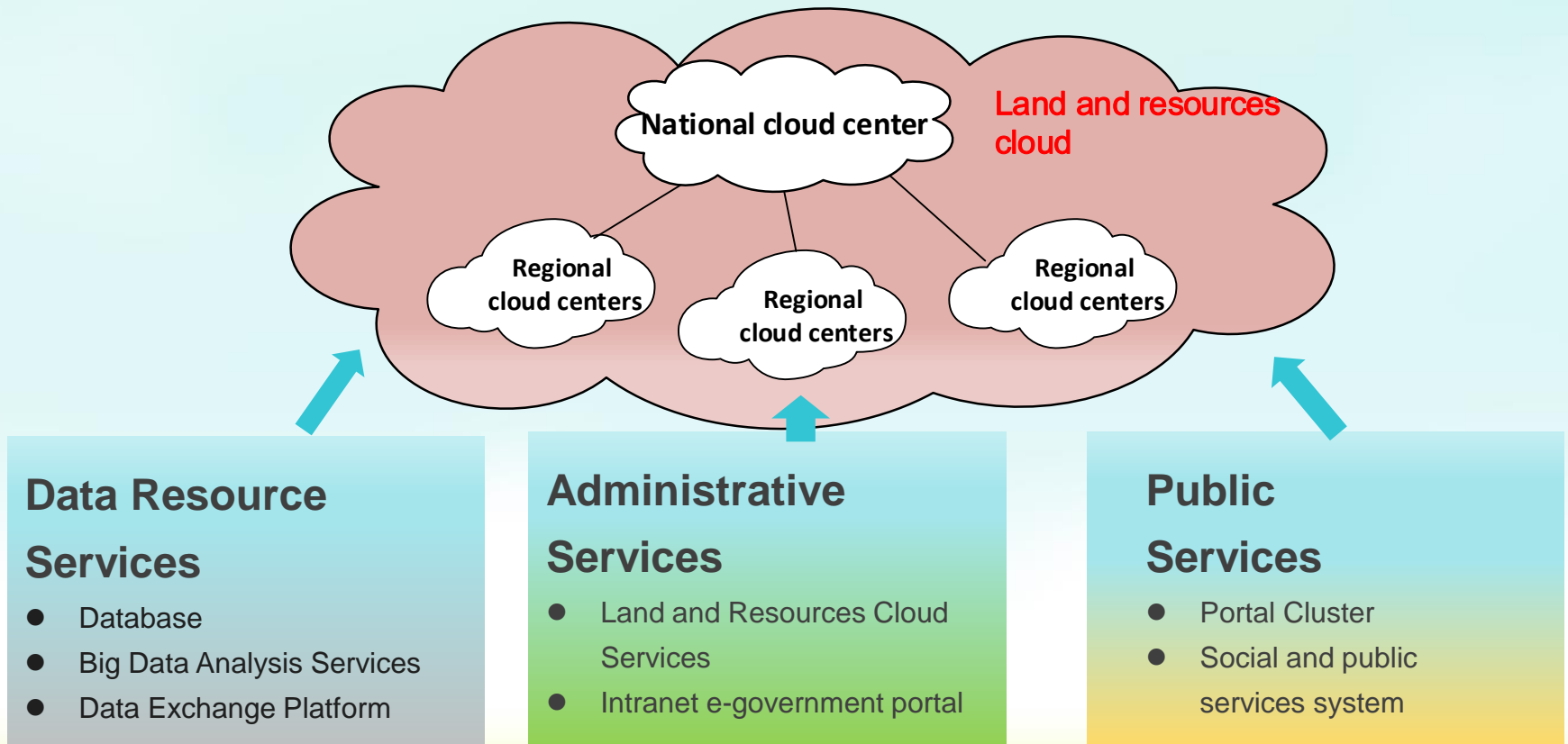


Results:

future developments

Land and Resources Cloud

Land use data are to be integrated with all other data resources, and shared among government agencies of different levels and to the public.



The way land data are captured and managed in China is consistent with China's system and circumstances.

Many factors are related to land governance, social systems, physical conditions, etc. Situations may vary from country to country, different policies may be implemented, thus, different data are needed, and different methods should be used.

Thank You !