

适应气候变化--云龙生态新城发展实践

Adaptation to Climate Change--Development Practice of
Yunlong New Ecological Town

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I. Strategic Positioning

1、适应全球气候变化城市发展的原则及模式

The principle and mode of adapting urban development to global climate change

2、云龙新城发展模式定位

Positioning of the development mode for Yunlong New Town

二、行动策略

II. Action Strategy

1、低碳生态城市的规划体系

Planning system for the construction of a low-carbon ecological town

2、绿色低碳的产业体系

Green and low-carbon industrial system

3、一体化全过程的绿色建设体系

Integrated green construction system

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1、行政管理—集成高效的大部制

Administrative management—large integrated and efficient department system

2、绿色发展的政策保障

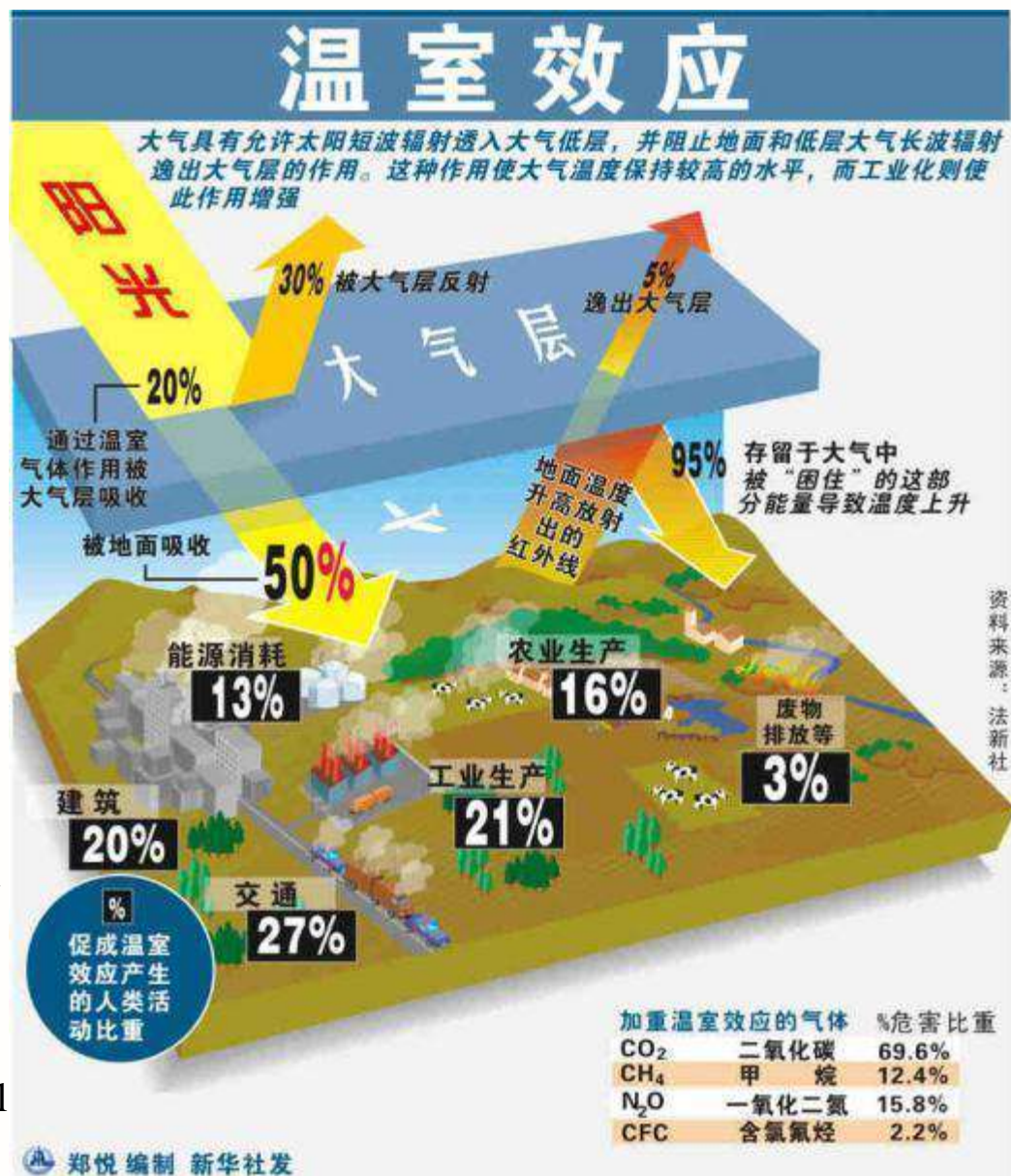
Policy guarantee for green development

一、战略定位 Strategic Positioning

1、适应全球气候变化城市发展的原则及模式

1.The principle and mode of adapting urban development to global climate change

- 适应气候变化的要求---控制减少温室气体的排放Requirement on adaptation to climate change - control over the emission of greenhouse gas
- 城市发展的原则---整体思维、平衡发展、和谐境界Principle of urban development - systematic thinking, balanced development and perfect harmony
- 城市发展的模式---低碳生态城市Mode of urban development - low-carbon ecological town



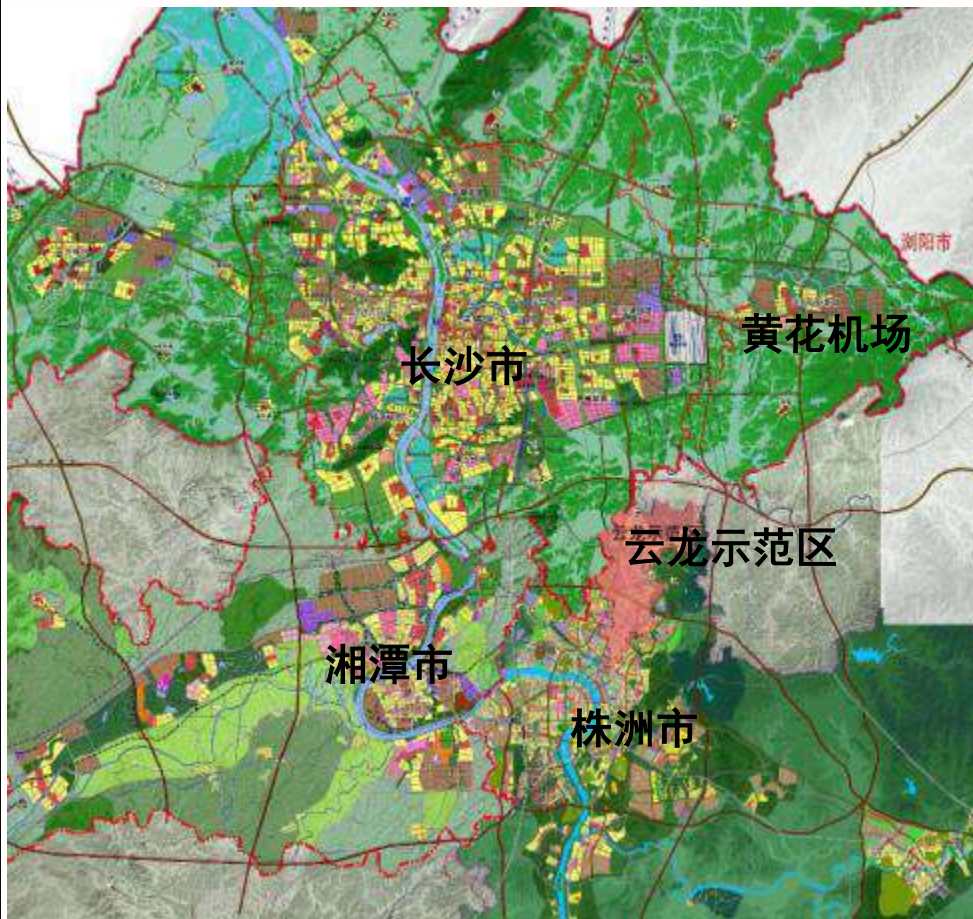
一、战略定位Strategic Positioning

2、云龙新城发展定位

--高端服务业为主导的低碳生态新城

2.Development positioning of Yunlong New Town

--High end service-led low-carbon ecological new town



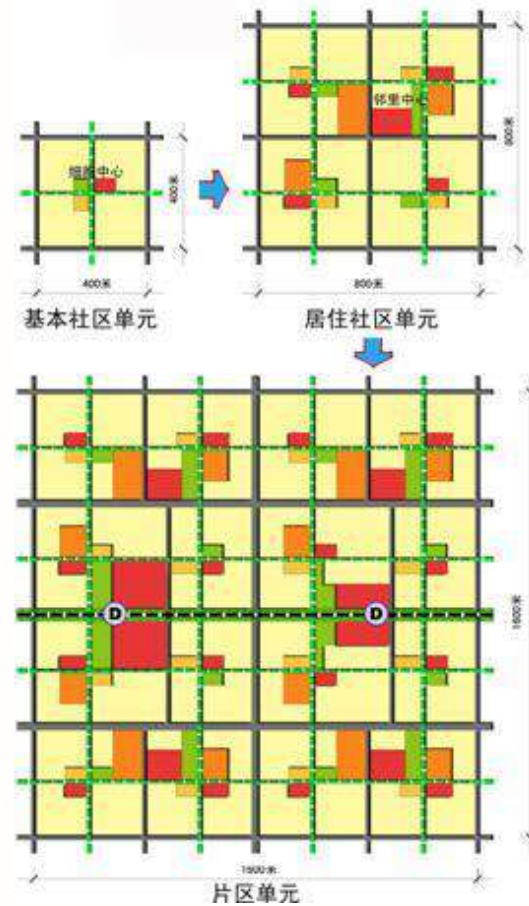
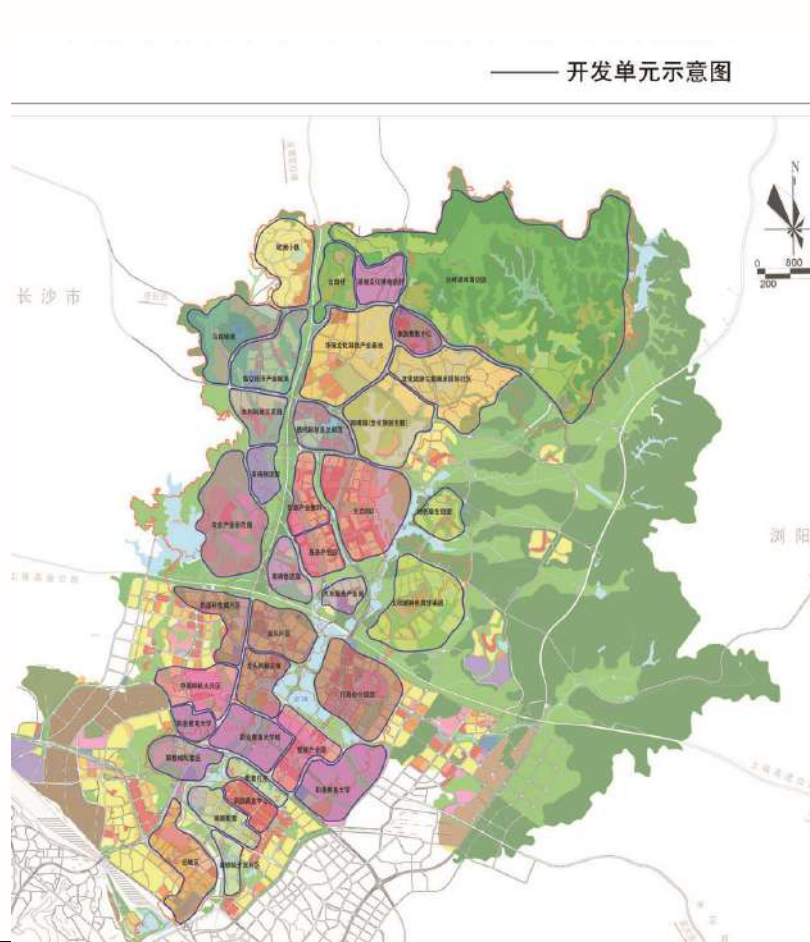
二、行动策略 Action Strategy

1、低碳生态城市的规划体系

1. Planning system for a low-carbon ecological town

1) 单元结构——单元、循环、平衡、有机

1) Block structure - block, circulation, balance and organic characteristic



二、行动策略Action Strategy

2) 六大探索
2) Six explorations

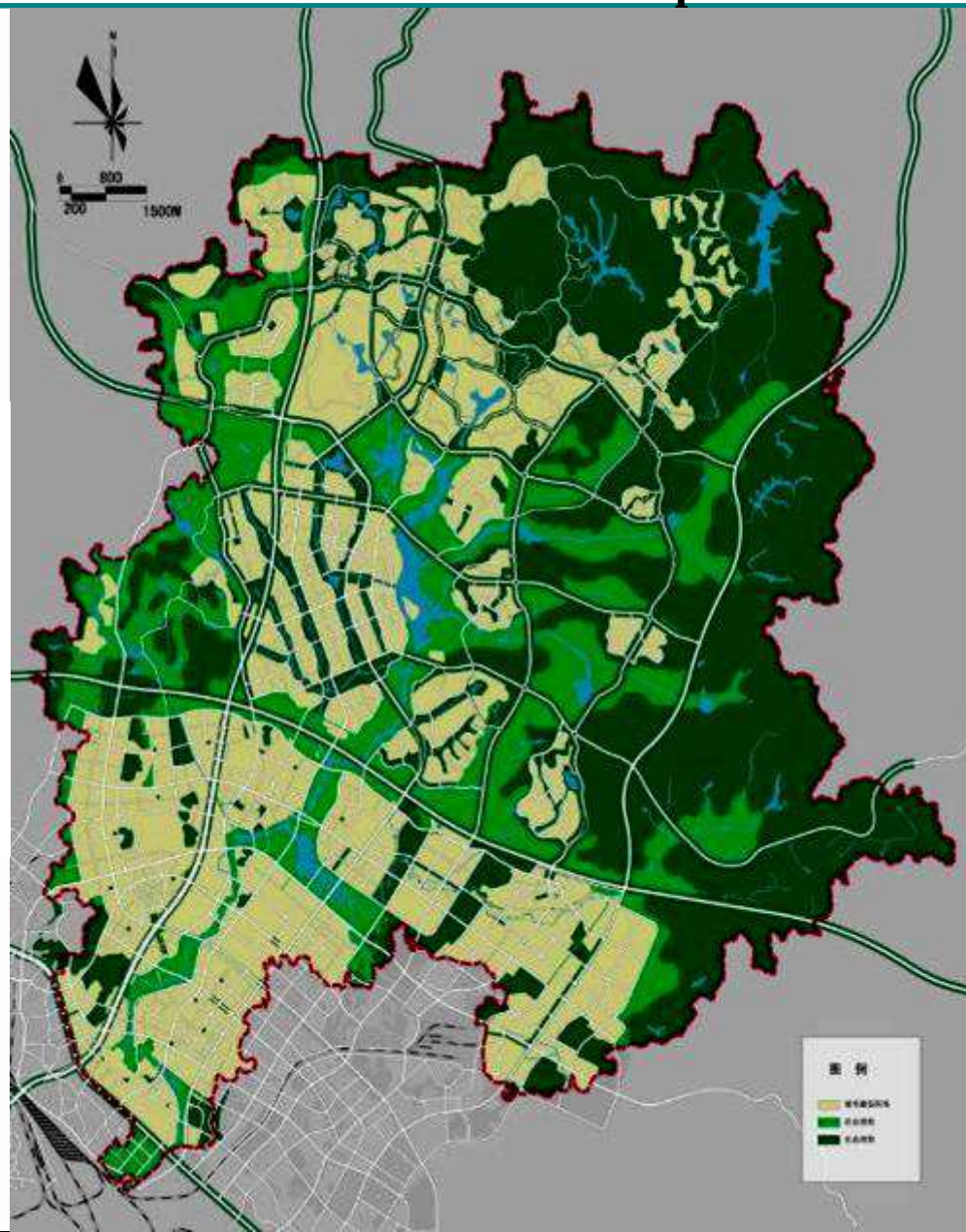
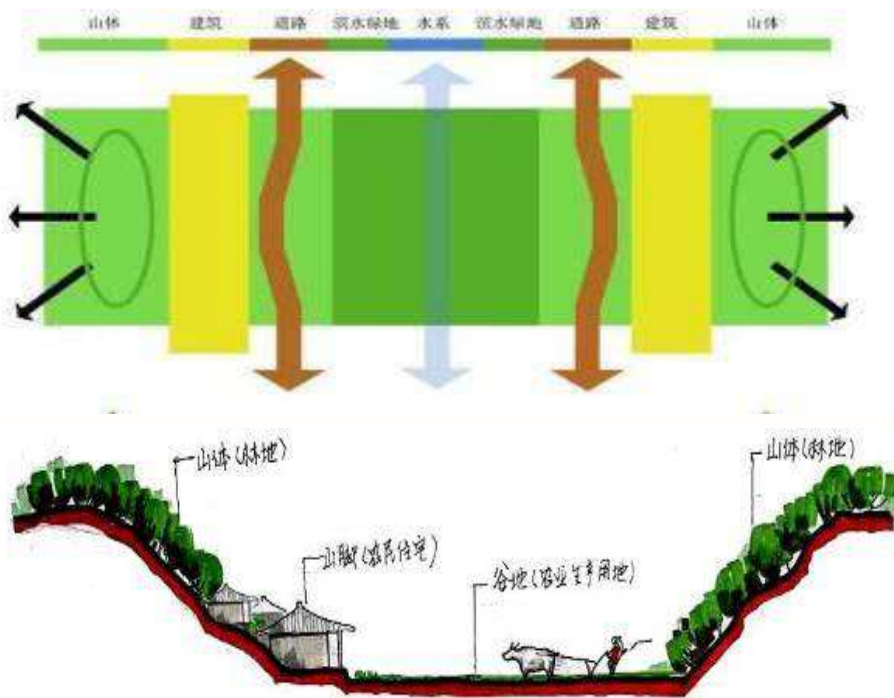


二、行动策略 Action Strategy

六大探索 Six explorations

(1) 土地资源保护和利用 Land resource protection and utilization

- 耕地、生态涵养地保护优先 Protection priority to cultivated lands and ecological nourishing lands
- 城市、乡村、生态三类用地融合，保持1:1:1的基本关系 Integration of urban lands, rural lands and ecological lands with the proportion of 1:1:1
- 建设用地集约与混合利用 Intensive and mixed utilization of construction lands



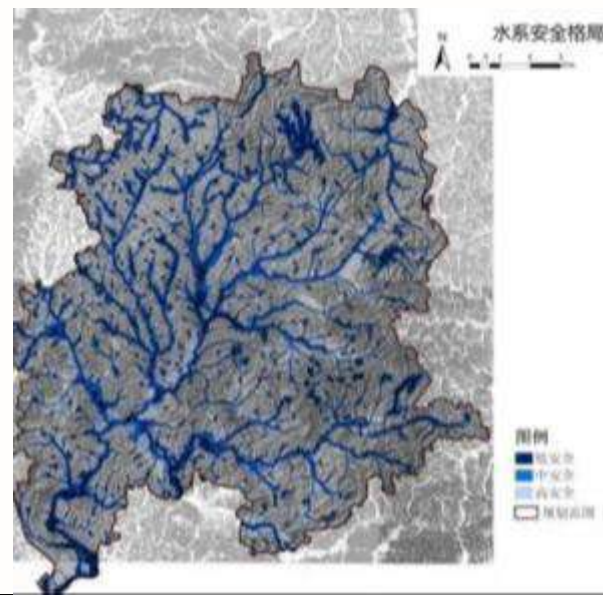
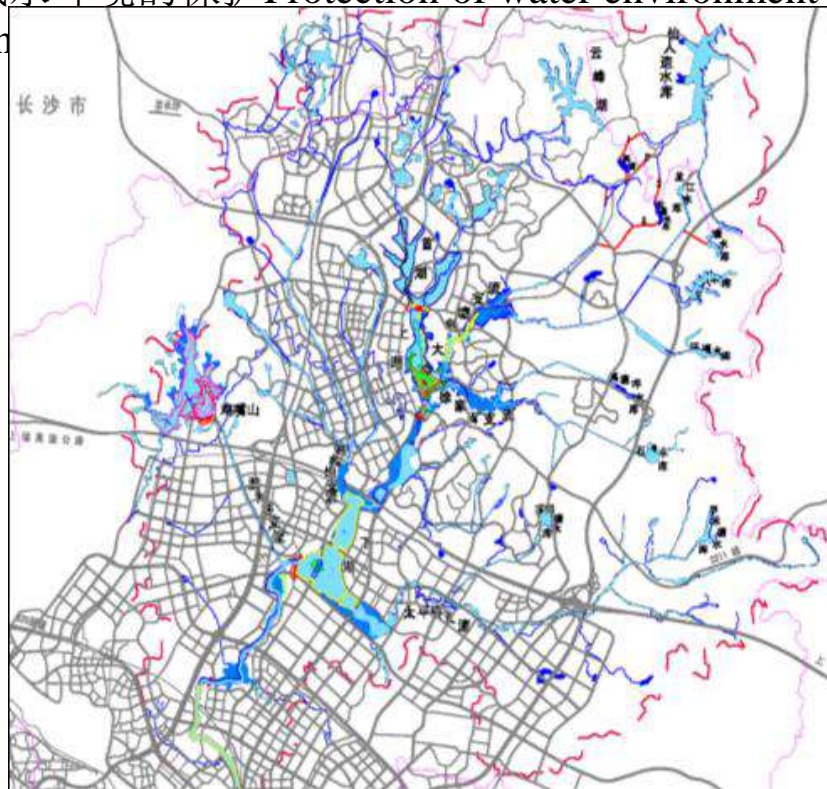
Slope stream, field under the slope and forest at the top of the slope

二、行动策略 Action Strategy

六大探索
Six explorations

(2) 水资源的保护和利用 Water resource protection and utilization

- 龙母河流域水系保护 Protection of water system in Longmu river basin
- 雨洪的收集与利用 Collection and utilization of rainfall flood
- 流域水环境的保护 Protection of water environment in river basin

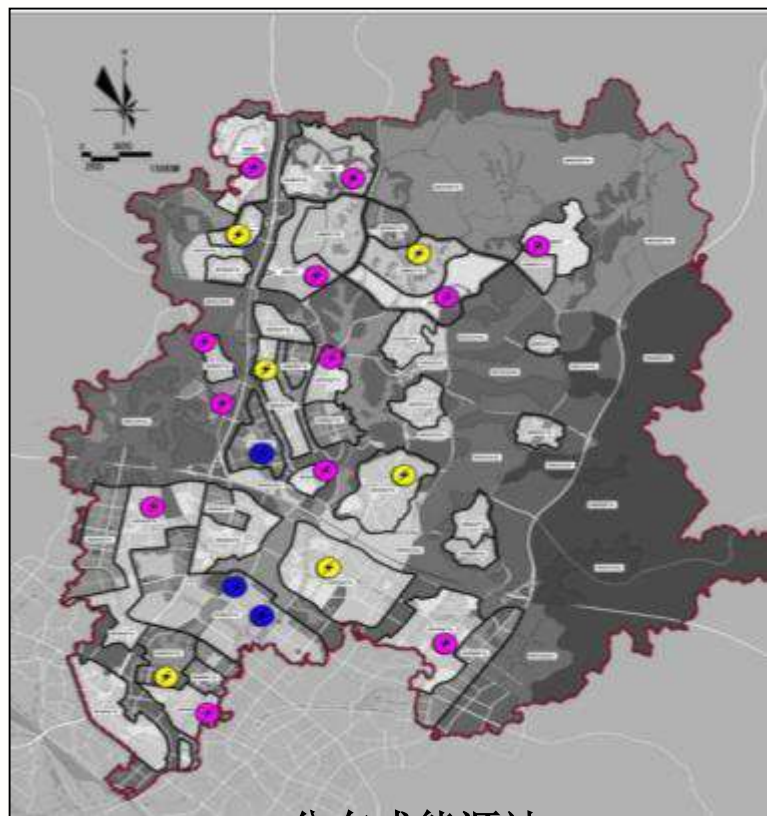


二、行动策略 Action Strategy

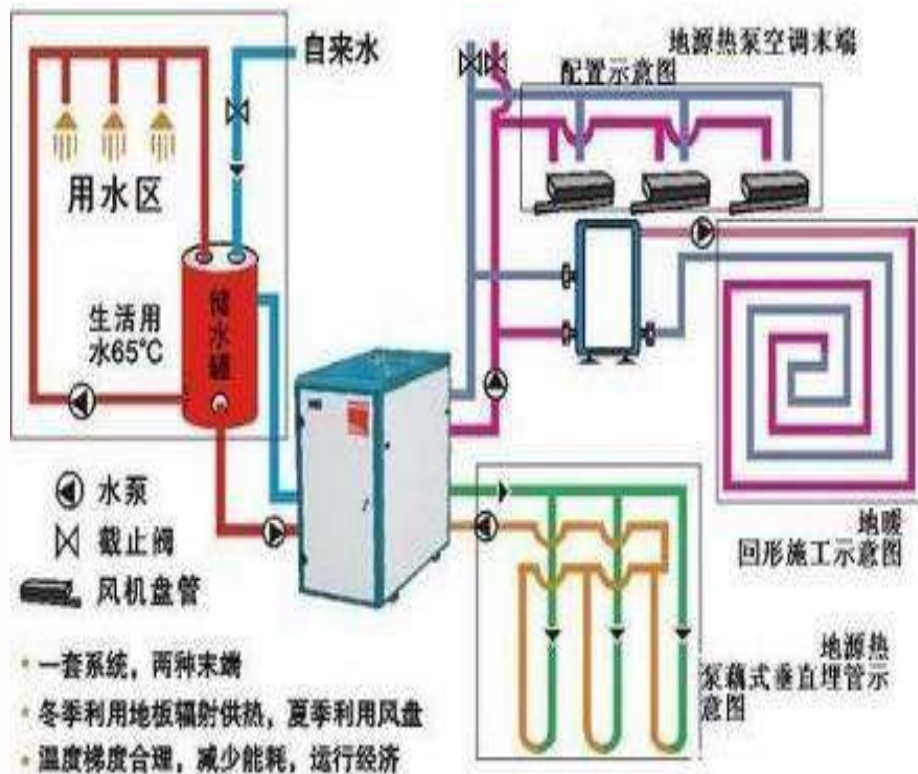
六大探索 Six explorations

(3) 节能和可再生能源利用 Energy conservation and renewable energy utilization

- 再生能源利用--地源热泵利用、太阳能利用应用 Utilization of renewable energy—application of GSHP and solar energy
- 智能电网和分布式能源站 Smart power grids and distributed energy stations
- 节能体系--绿色住区、绿色校园、绿色园区、绿色建筑 Energy conservation system--green residential quarters, campuses, parks and buildings



分布式能源站
Distributed energy station



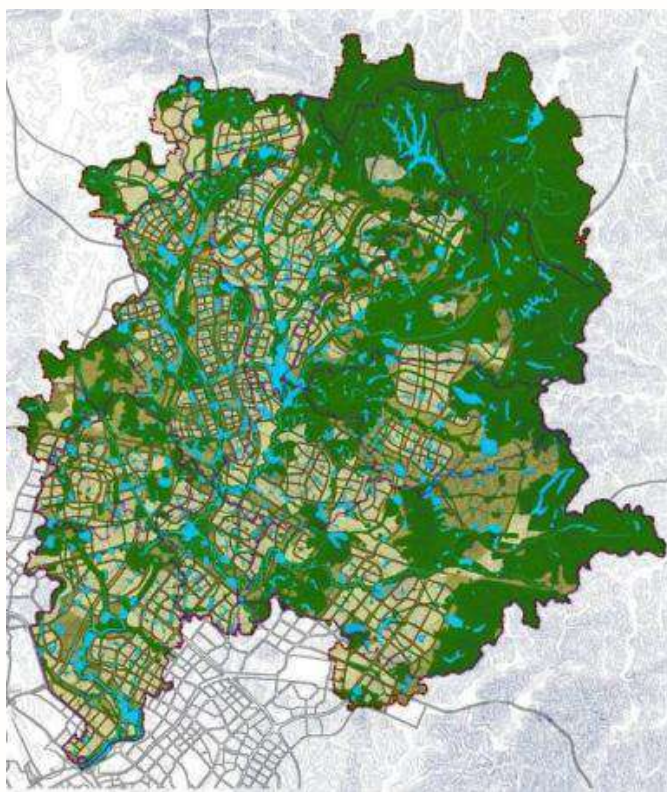
地源热泵系统图
GSHP system diagram

二、行动策略 Action Strategy

六大探索
Six explorations

(4) 生态保持与重构 Ecological preservation and reconstruction

- 城乡一体的生态安全格局构建 Construction of an integrated urban-rural ecological security pattern
- 生态廊道、水系、农地、林地、生态涵养低的保护 Protection of ecological corridors, water systems, farmlands, forest lands and ecological nourishing lands
- 生态底线的控制 Control over ecological bottom line

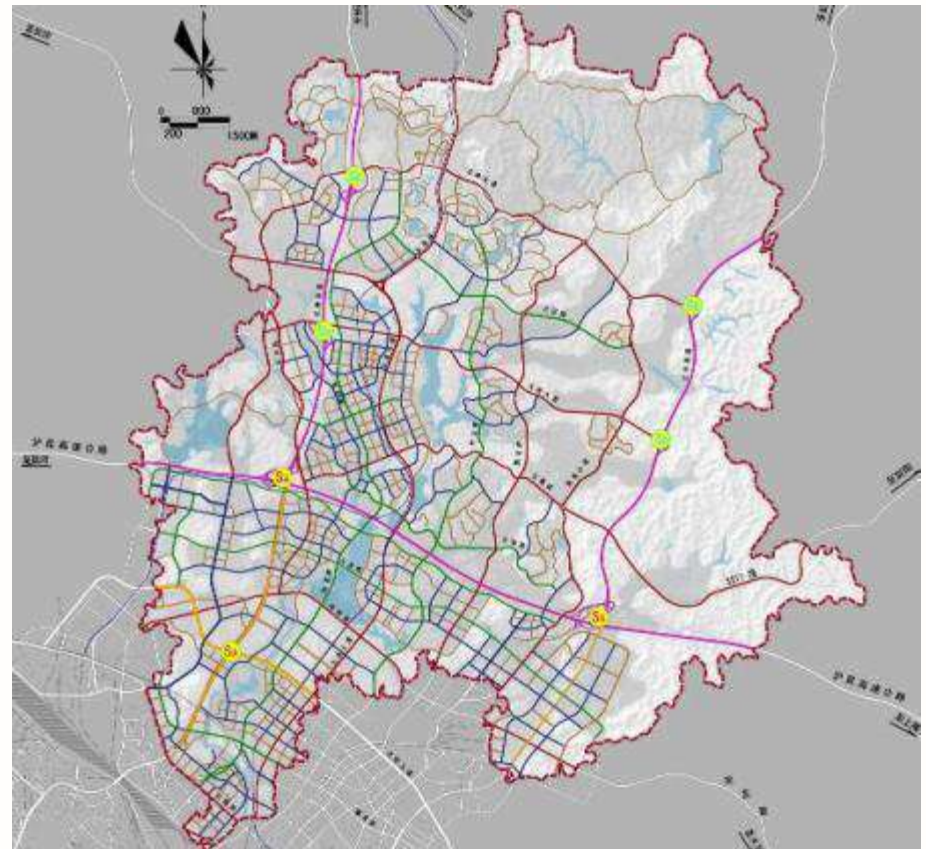
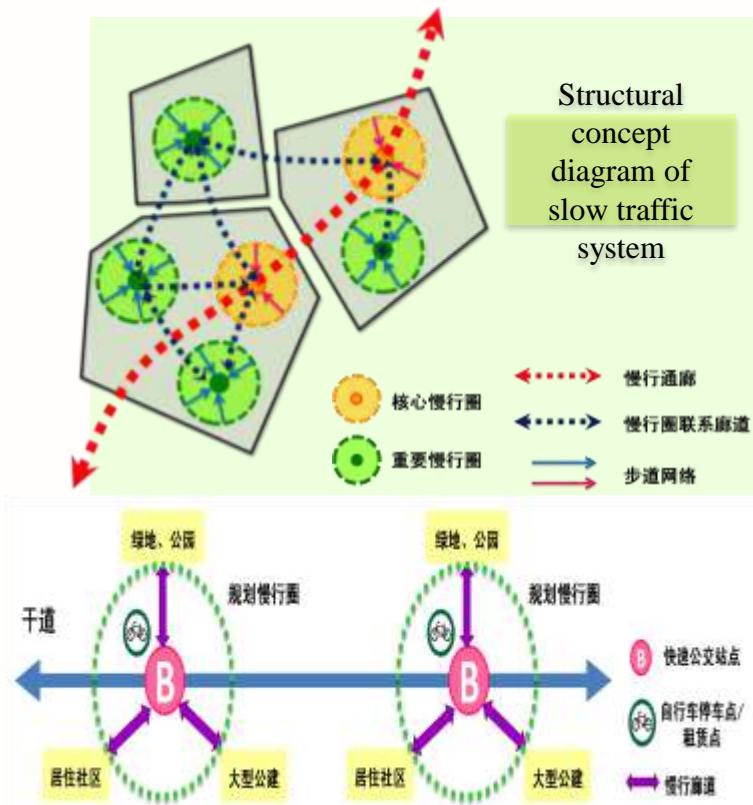


二、行动策略 Action Strategy

六大探索
Six explorations

(5) 绿色交通 Green transportation

- 机动车系统—道(Way)、路(Road) Vehicle system - Way and Road
- 人行系统—街(Street)、巷(Alley)、绿道 Pedestrian system - Street, Alley and Greenway
- 公共交通体系—公交、轨道、社区系统和接驳枢纽 Public transit system - public transportation, track, community system and connection hub



二、行动策略 Action Strategy

六大探索 Six explorations

(6) 城乡统筹发展 Urban-rural integration development

- 一体化基础设施体系 Integrated infrastructure system
- 一体化基本公共服务体系 Integrated basic public service system
- 一体化城乡生态格局体系
Integrated urban and rural ecological system



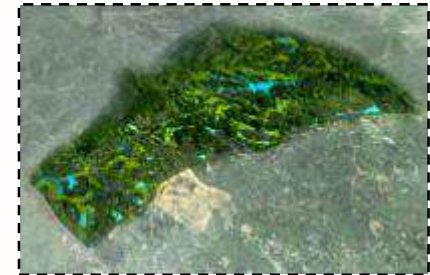
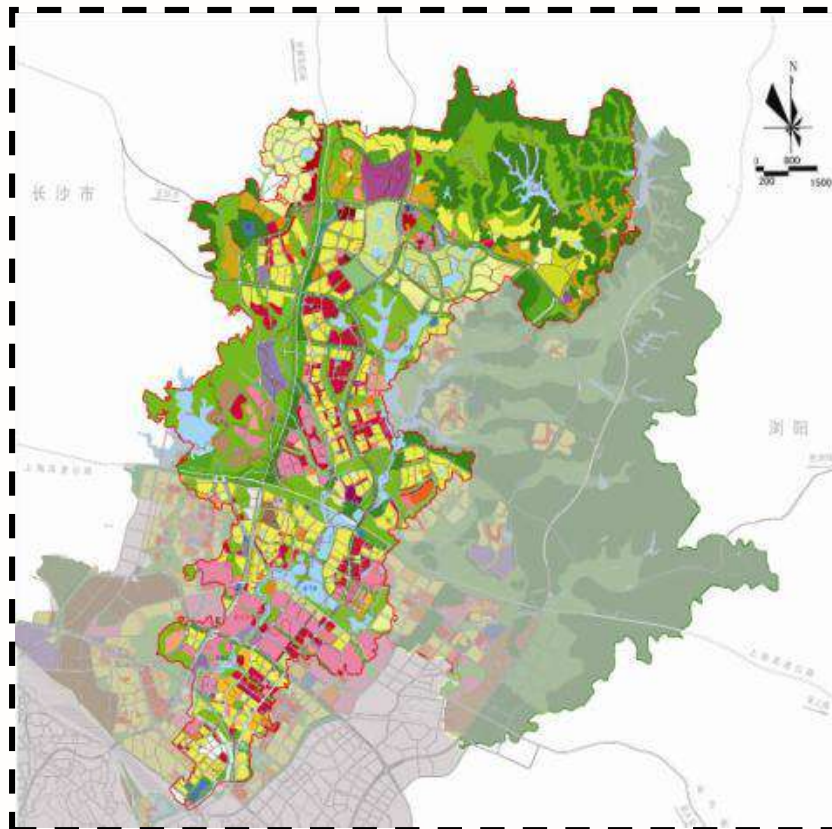
二、行动策略 Action Strategy

2、绿色低碳的产业体系 Green and low-carbon industrial system

1) “一城三区”的功能布局 Function layout of “One Urban and Three District”

—南部职教科研区、中部智慧创新区、北部旅游休闲区

Vocational Education and Scientific Research Zone in the south, Intellectual Innovation Zone in the center, and Tourism and Leisure Zone in the north



北部旅游休闲区 Tourism and Leisure Zone in the north



中部智慧产业区 Intellectual Industry Zone in the center



南部职教创新区 Vocational Innovation Zone in the south

二、行动策略 Action Strategy

2) 南部：职教创新区—集约 共享Southern Part: Vocational Innovation Zone - Intensiveness and sharing

- 各校园的教学设施与资源共享Sharing of teaching facilities and resources in different campuses
- 校区与城区的公共服务设施共享Sharing of public service facilities in campuses and urban areas
- 大学与城市的创新资源（人才、资金、土地）共享与集成Sharing and integration of innovation resources (talents, capitals and lands) of the university and the urban



二、行动策略 Action Strategy

3) 中部：智慧产业区—低碳 智能 Central Part: Intellectual Industry Zone - Low Carbon and Smart

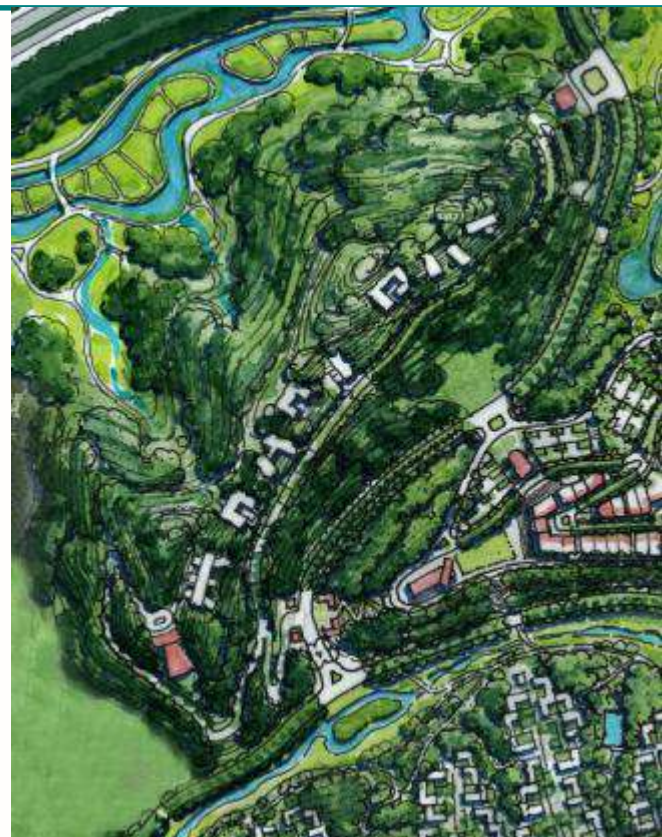
- 立体城市 Three-dimensional city
- 田园街区 Rural block
- 信息服务产业 Information service industry



二、行动策略 Action Strategy

4) 北部：旅游休闲区—绿色 健康 Northern Part: Tourism and Leisure Zone—Green and Health

- 自然、有机的生态农业体系 Natural and organic ecological agricultural system
- 宜居、健康的生活服务体系 Livable and health life service system
- 多样主题的游乐园公园体系
Diverse-themed amusement park system



二、行动策略 Action Strategy

3、一体化全过程的绿色建设体系Integrated green construction system

● “四位一体”——基础设施

“Four-in-one”--infrastructure

- 市政基础设施Municipal infrastructure
- 生态基础设施Ecological infrastructure
- 社会基本保障服务设施Social basic security service facility
- 智能信息基础设施
Intelligent information infrastructure



二、行动策略 Action Strategy

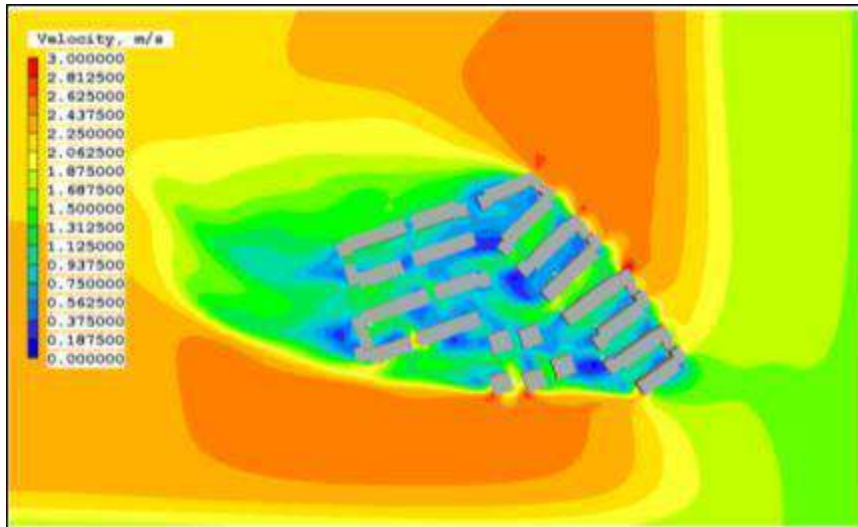
●绿色建筑全覆盖——绿色社区与绿色建筑Full coverage of green building- Green community and building

示范区要求新建建筑100%达到绿色建筑标准。绿色建筑标识认证将作为项目工程规划验收的必要条件。

New buildings to be constructed within the demonstration zone should fully meet green building standards. The identity authentication of green building design will be the necessary condition for project planning acceptance.



总部科技园（园区）Science Park at the headquarters (the park)



风环境模拟
Wind environment simulation

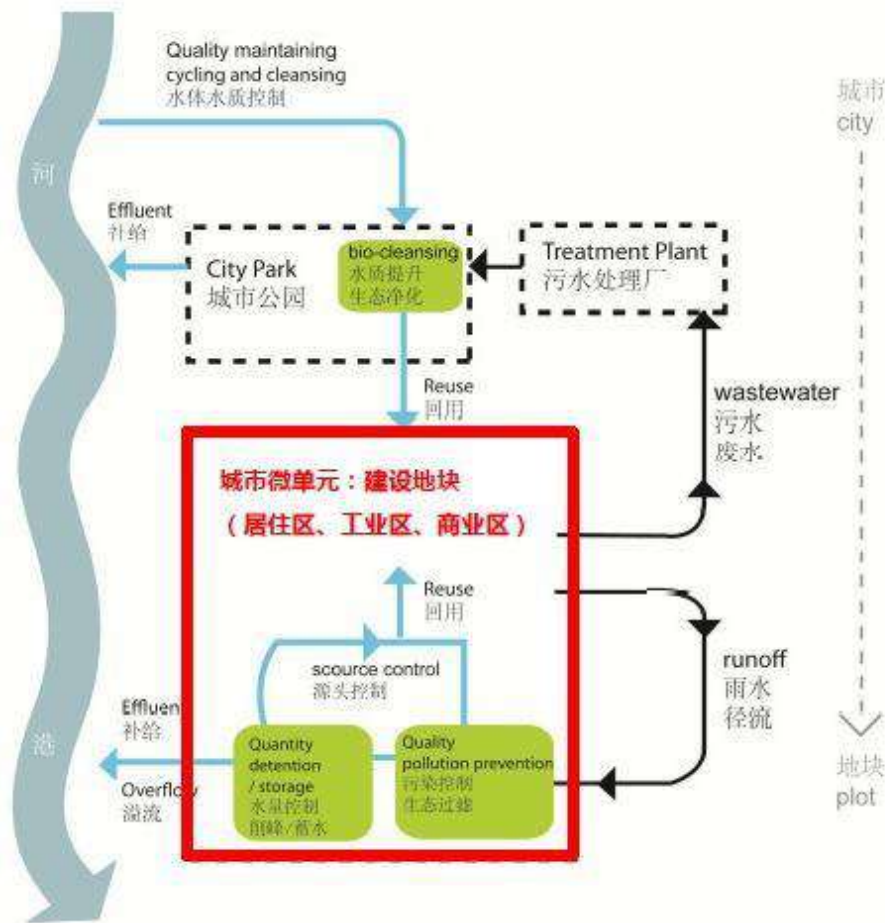
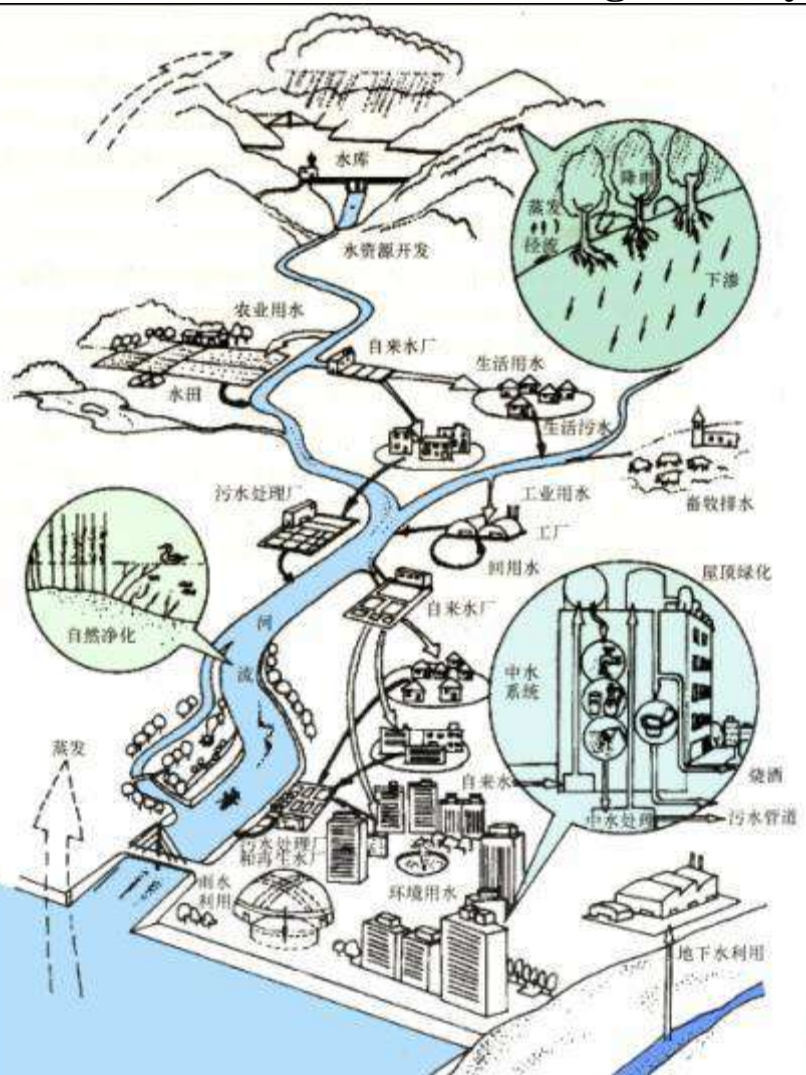


云龙发展中心（建筑）
Yunlong Development Center (the building)

二、行动策略 Action Strategy

● 全城的多级雨洪管理体系

Multilevel storm water management system for the whole town



城市到地块管理流程图

二、行动策略 Action Strategy

——雨水收集（雨水花园） Rainwater collection (rainwater garden)

储水模块化：



二、行动策略 Action Strategy

——雨水收集（生态草沟）
Rainwater collection
(ecological grass furrow)



二、行动策略 Action Strategy

●绿色交通体系 --干线交通与微循环毛细交通

Green Transportation system - Arterial traffic and micro-circulated capillary traffic



绿道



巷

三、政策保障 Policy Guarantee

1、行政管理—集成高效的大部制

Administrative management - Large integrated and efficient department system

- **行政管理策略：**基于整合资源、高效低耗、结构扁平、服务转型的大部制
Administrative management strategy: a large department system based on resource integration, high efficiency and low consumption, flat structure and service transformation
- **社会和谐策略：**基于公平与普惠兼顾的城乡基础公共服务及基本社会保障体系优先
Social harmony strategy: Priority to urban and rural basic public service and social security system based on fair and combined with common benefit
- **社会治理策略：**基于基层社区自治的自下而上的自律管理与行政的大部制自上而下的监督管理相结合
- **Social governance strategy:** Combination of bottom-up self-regulation based on grassroots community with top-down supervision management based on large administrative department system



三、政策保障 Policy Guarantee

2、绿色发展的政策保障 Policy Guarantee to Green Development

- 《株洲云龙示范区“两型”社会建设城乡规划管理一般规定（试行）》 *General Regulations on Urban and Rural Planning Management for "Two-orient" Society Construction in Zhuzhou Yunlong Demonstration Zone (Trial)*
- 《株洲云龙示范区奖励两型建设和绿色发展暂行办法》 *Interim Measures on Incentives for Two-orient Construction and Green Development in Zhuzhou Yunlong Demonstration Zone*
- 《株洲云龙示范区建设项目两型综合评审试行办法》 *Trial Measures for Comprehensive Evaluation on Two-orient Construction Project in Zhuzhou Yunlong Demonstration Zone*

株洲云龙示范区管理委员会文件

株云龙管发〔2011〕12号

株洲云龙示范区管理委员会
关于印发《株洲云龙示范区“两型”社会建设
城乡规划管理一般规定（试行）》的通知

管委会机关各单位，各镇办事处：

《株洲云龙示范区“两型”社会建设城乡规划管理一般规定（试行）》已经办公会议研究同意，现予印发。请认真遵照执行。



株洲云龙示范区管理委员会文件

株云龙管发〔2014〕6号

株洲云龙示范区管理委员会
关于印发《株洲云龙示范区两型集成审查、行政
并联许可试行办法》的通知

管委会机关各单位，各镇办事处，云龙发展（集团），各有关单位：
《株洲云龙示范区两型集成审查、行政并联许可试行办法》已经办公会议研究同意，现印发给你们，请遵照执行。



株洲云龙示范区管理委员会文件

株云龙管发〔2013〕13号

株洲云龙示范区管理委员会
关于印发《株洲云龙示范区奖励两型建设和绿色
发展暂行办法》的通知

管委会机关各单位，各城镇办事处，云龙发展（集团）：
《株洲云龙示范区奖励两型建设和绿色发展暂行办法》已经管委会办公会议研究同意，现印发给你们，请认真组织实施。



结束语： Conclusion

应对全球气候变化，云龙生态新城的发展行动原则To address global climate change, Yunlong New Ecological Town adheres to the development action principle of

-- “以人为本、师法自然、因地制宜、适度而为”

--“**People Orientation, Nature Imitation, Adaption to Local Conditions, and Adoption of Moderate Measures**”



谢谢！
Thanks!

