



Sustainable Development and Long-term Management for Historical Urban Heritage — Cases of Jinan and Qufu

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I. Historic Urban Heritage, with diversified elements and close relationship to interdependent urban and natural environment, is different from the single type of heritage.

1. Qufu

World Cultural Heritage **Temple and Cemetery of Confucius and the Kong Family Mansion** involves three core elements:

- Confucius Temple and Kong Family Mansion account for 1/4 of the historic city area
- Confucius Cemetery is larger than the historic city in area



Confucius Temple



Kong Family Mansion





Cemetery of Confucius



Temple of Confucius and the Kong Family Mansion is located at the center of the historic Ming city, with a close relationship to the city that blends into each other.

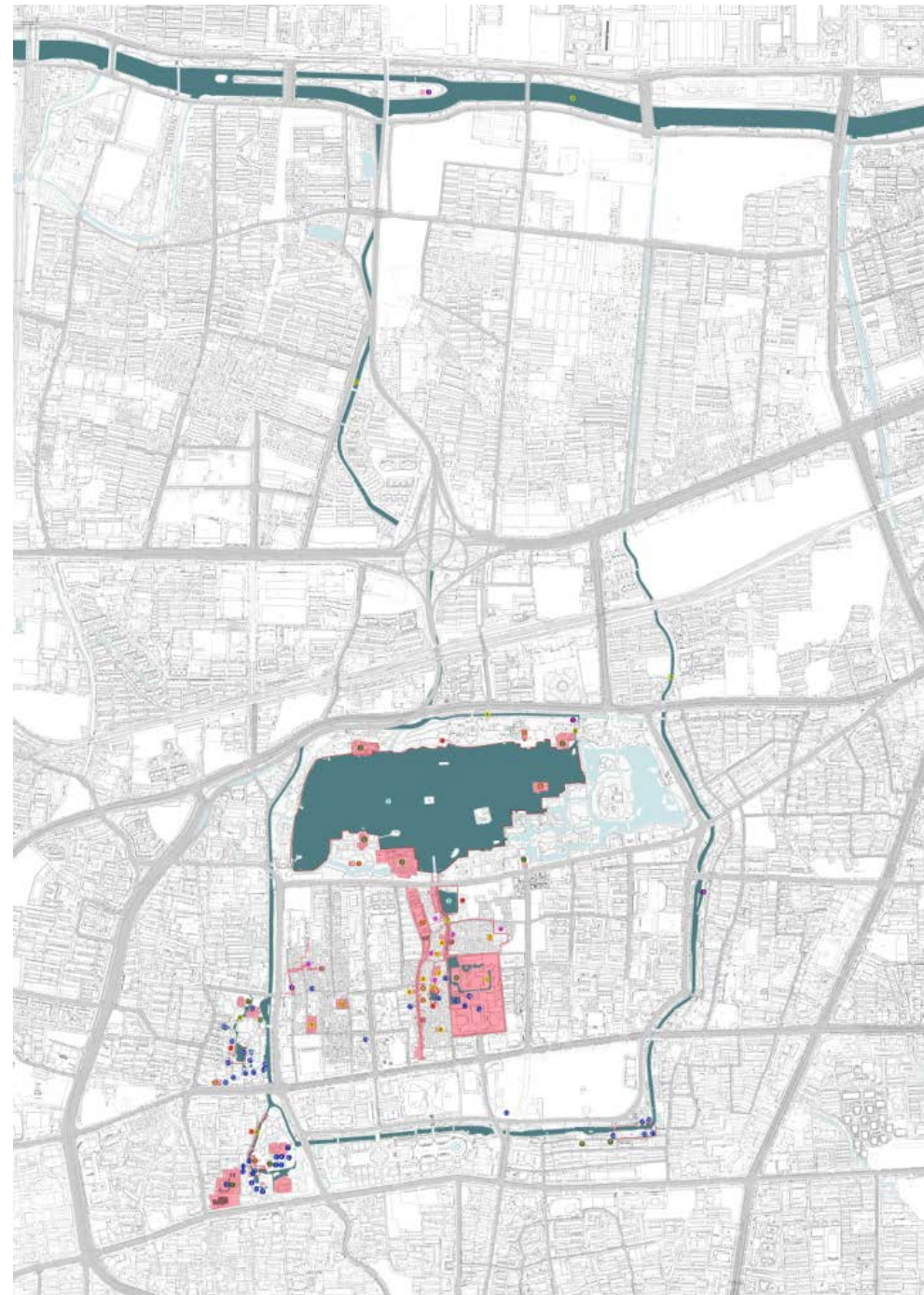
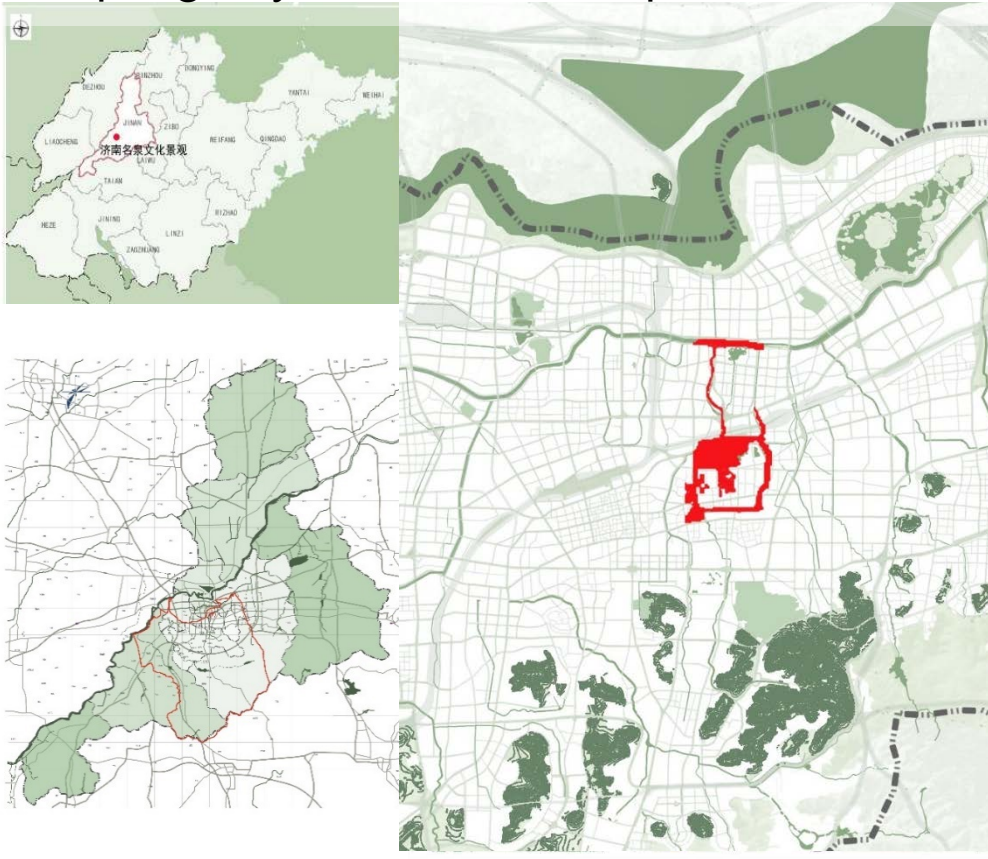


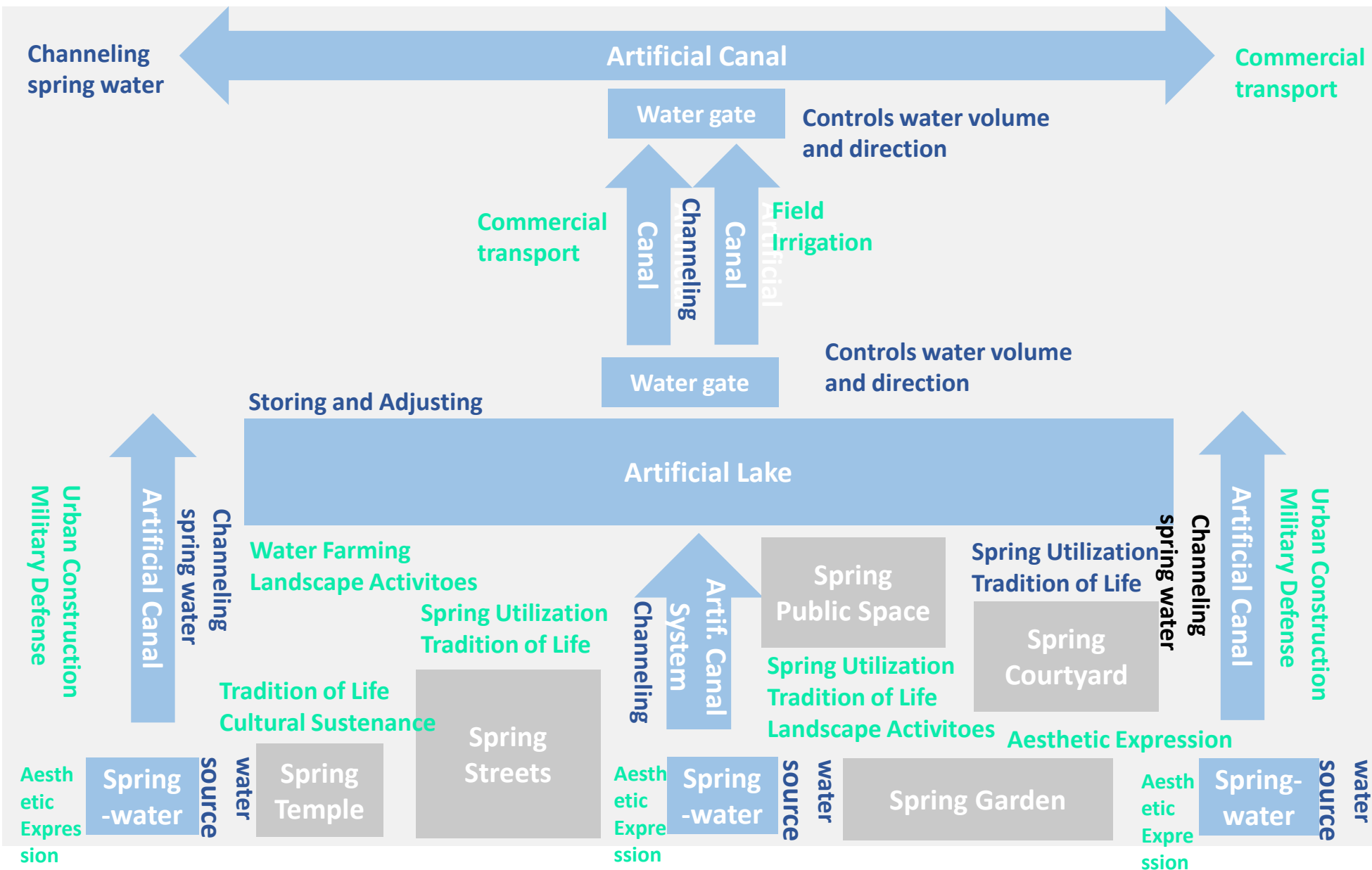
The great archaeological site of historic Lu State city contains all of the Temple of Confucius and the Kong Family Mansion, and is adjacent to the Cemetery of Confucius



2. Jinan Spring City Cultural Landscape – Cold Spring Utilization System (applying for Chinese tentative World Heritage status)

Contains 10 general element types, with 89 heritage elements that constitute the complete value chain system of Jinan Spring City Cultural Landscape





Five Core Utilization Elements of the Spring

Five Derivative Elements of Urban Functions

Complete Spring water storage and channeling system

Diversified Urban Utilization Functions



Baotu Spring



Daming Lake



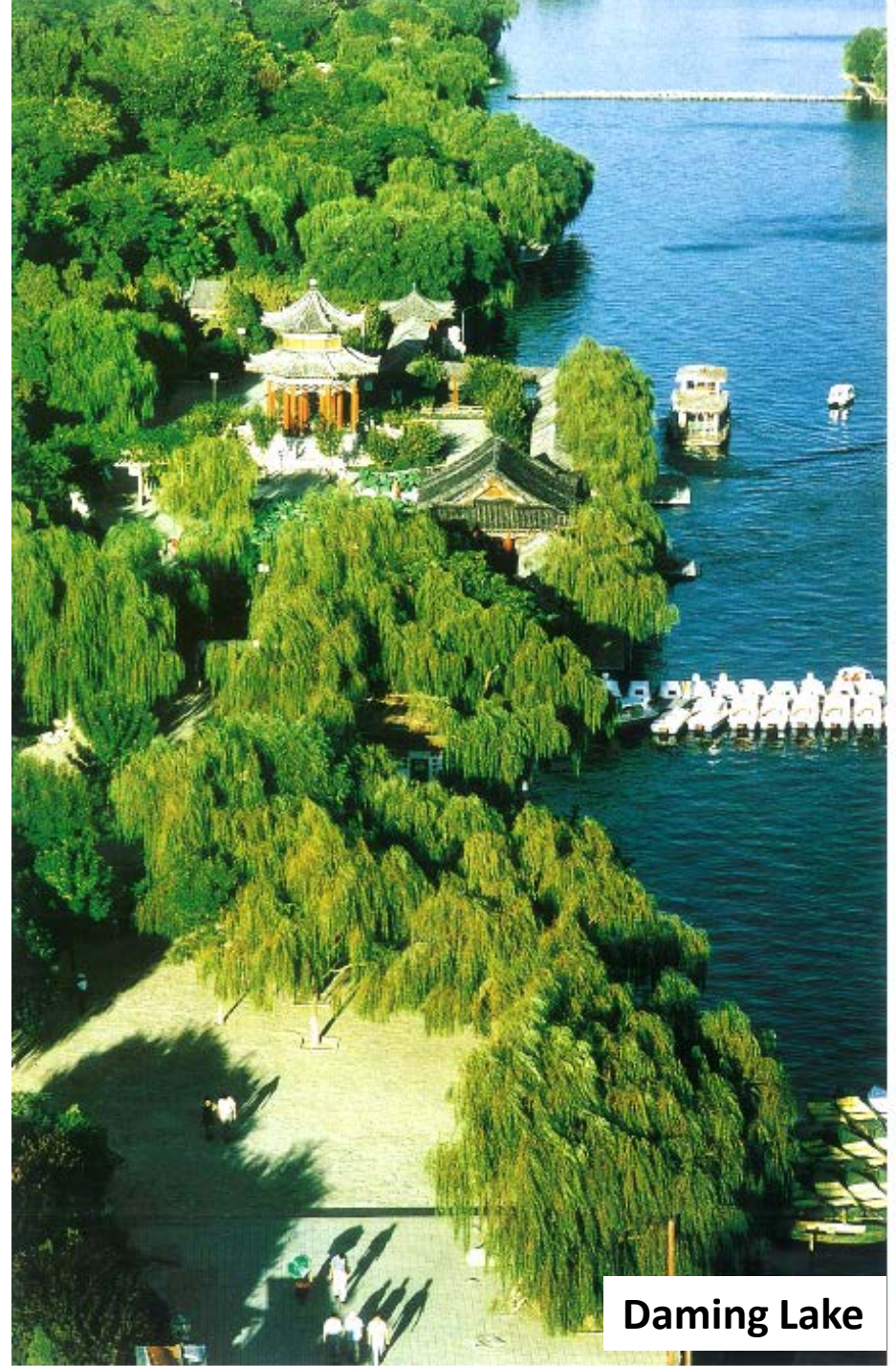
Heihu (Black Tiger) Spring



Zhenzhu (Pearl) Spring



Spring Channel



Daming Lake



Moat



Moat in Winter



Confucian temple



Beiji (North Pole) Pavilion



Wuliu (Five Willows) Watergate

Spring and Street



Spring and Street





Lixia Pavilion with Autumn Wind
One of the **Eight Historic Scenes of Jinan**

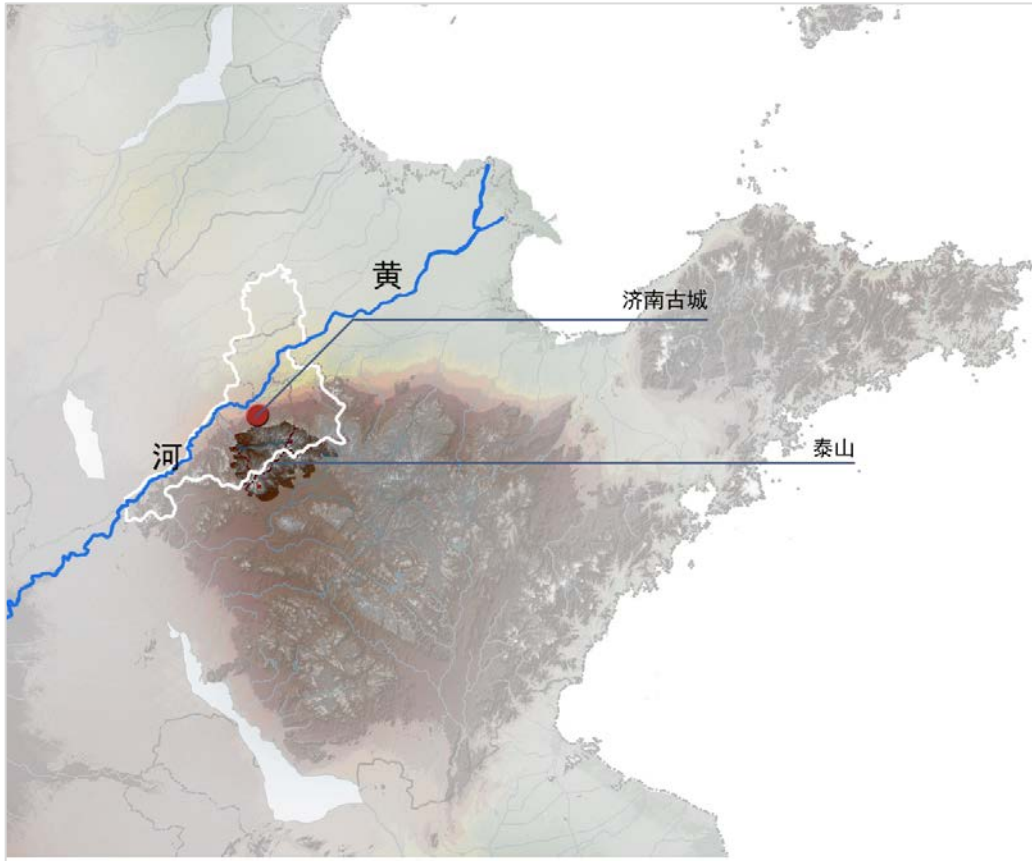


Boating over Daming Lake
One of the **Eight Historic Scenes of Jinan**

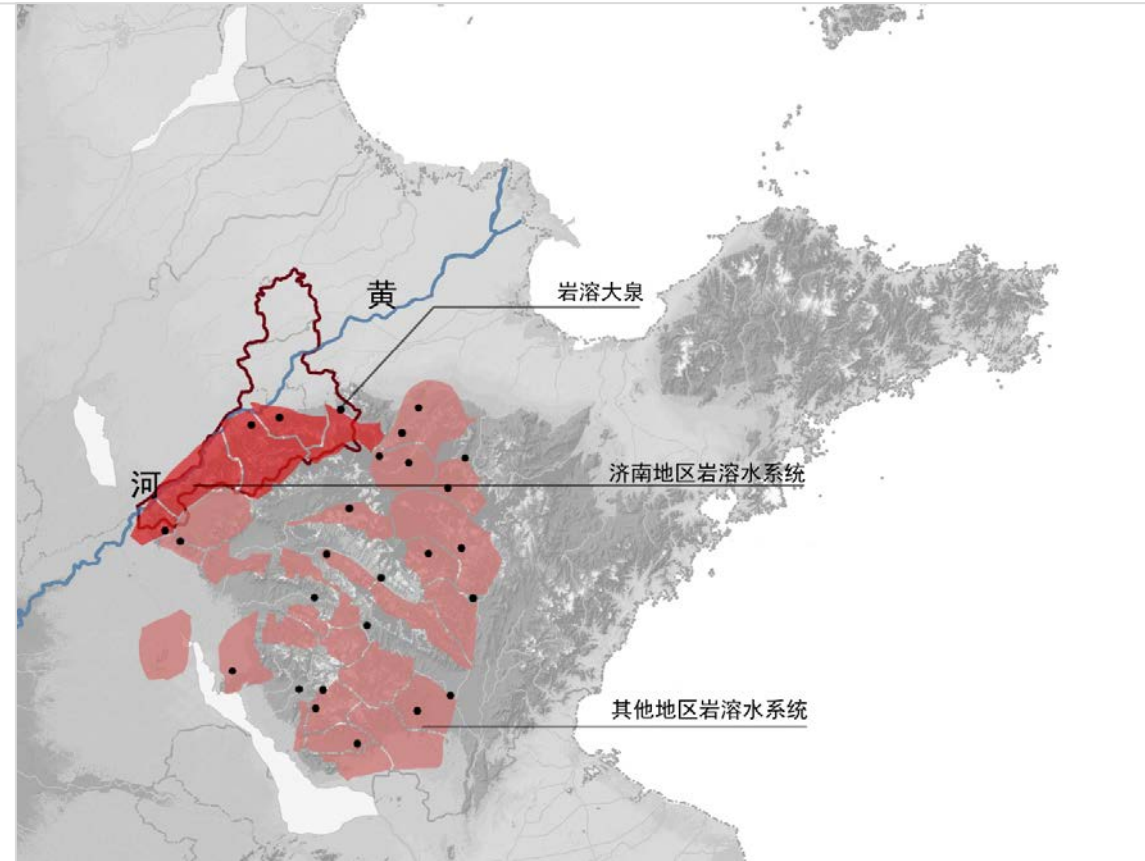
Close Relationship between Heritage and Marco-Level Natural Geology

The karst groundwater system in Jinan is representative of that in North China.

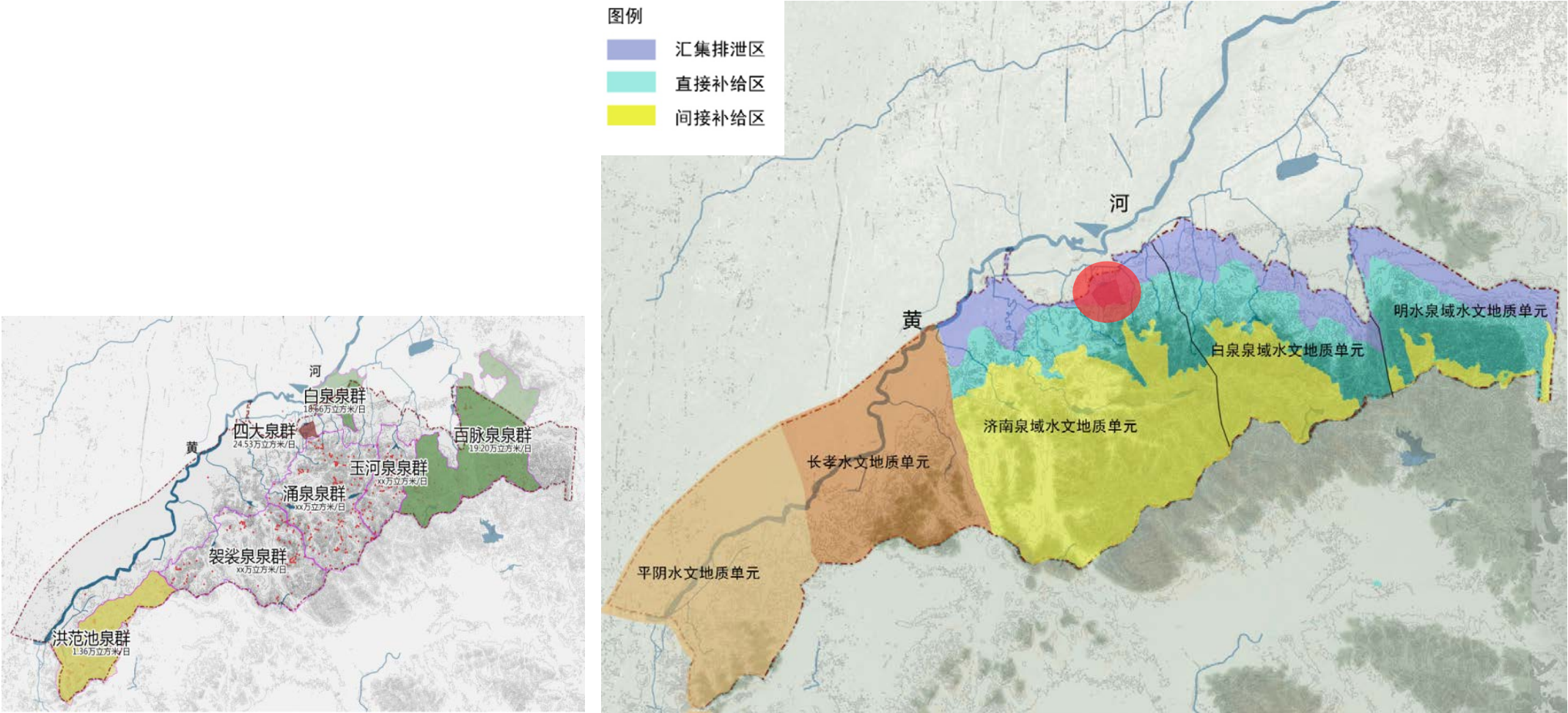
Transition between North China Plain and Mountains in Central and Southern Shandong



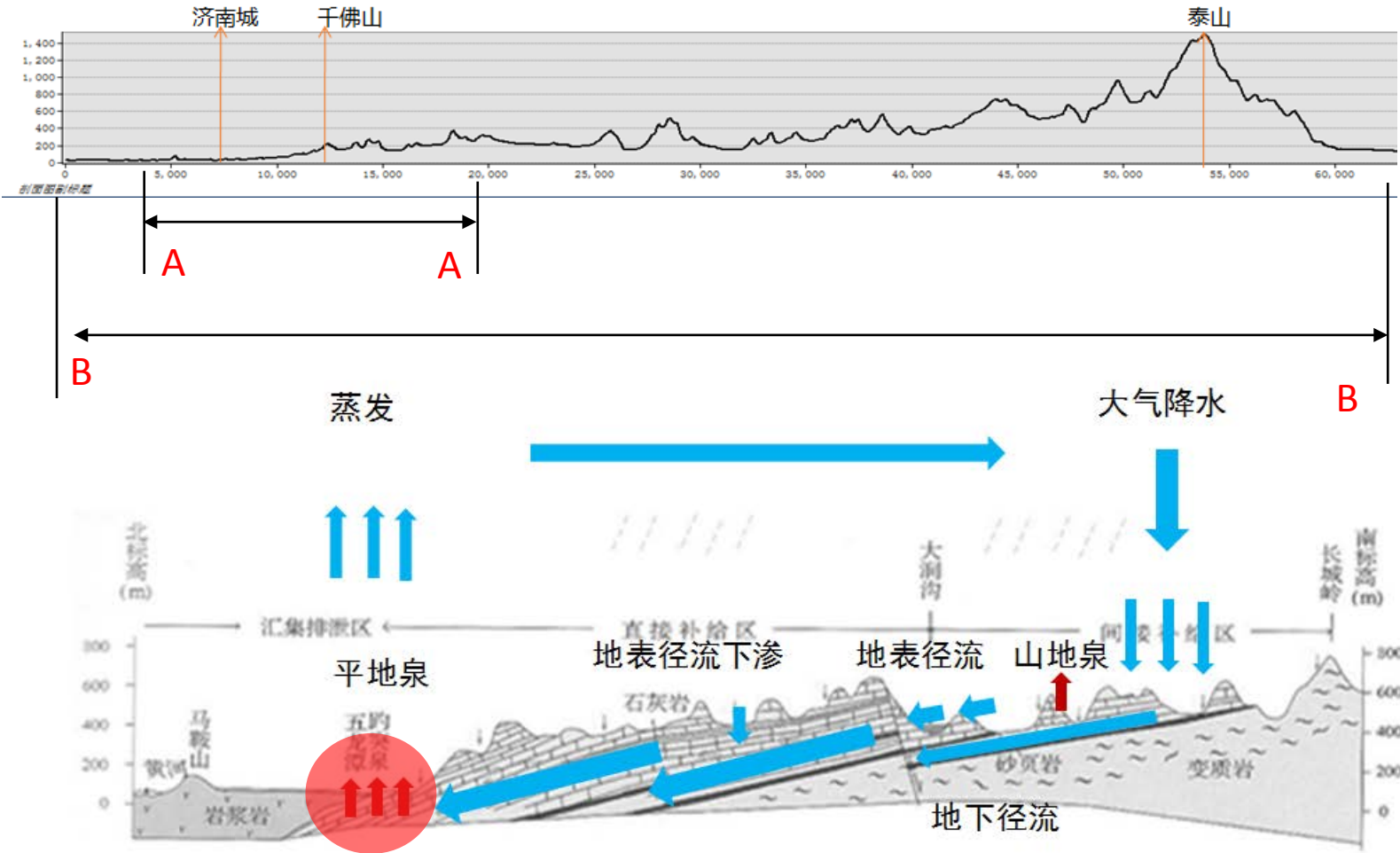
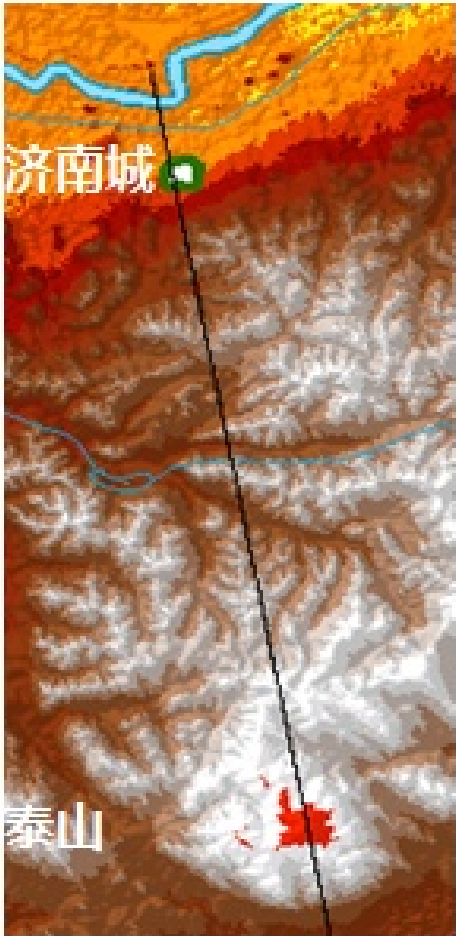
Temperate areas with extensive karst landform and groundwater systems in North China



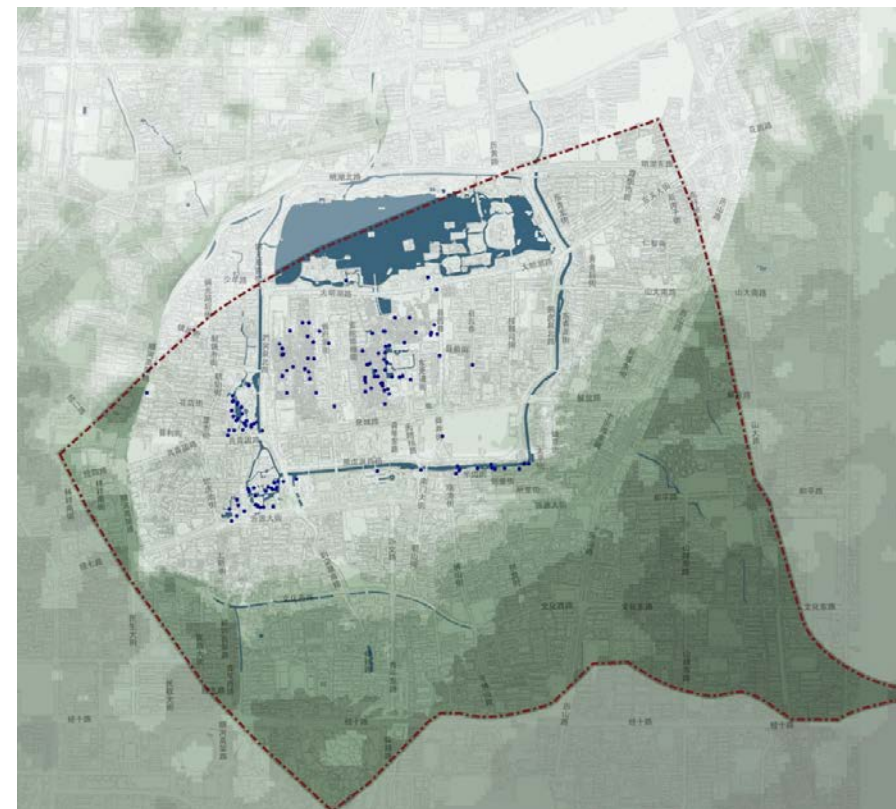
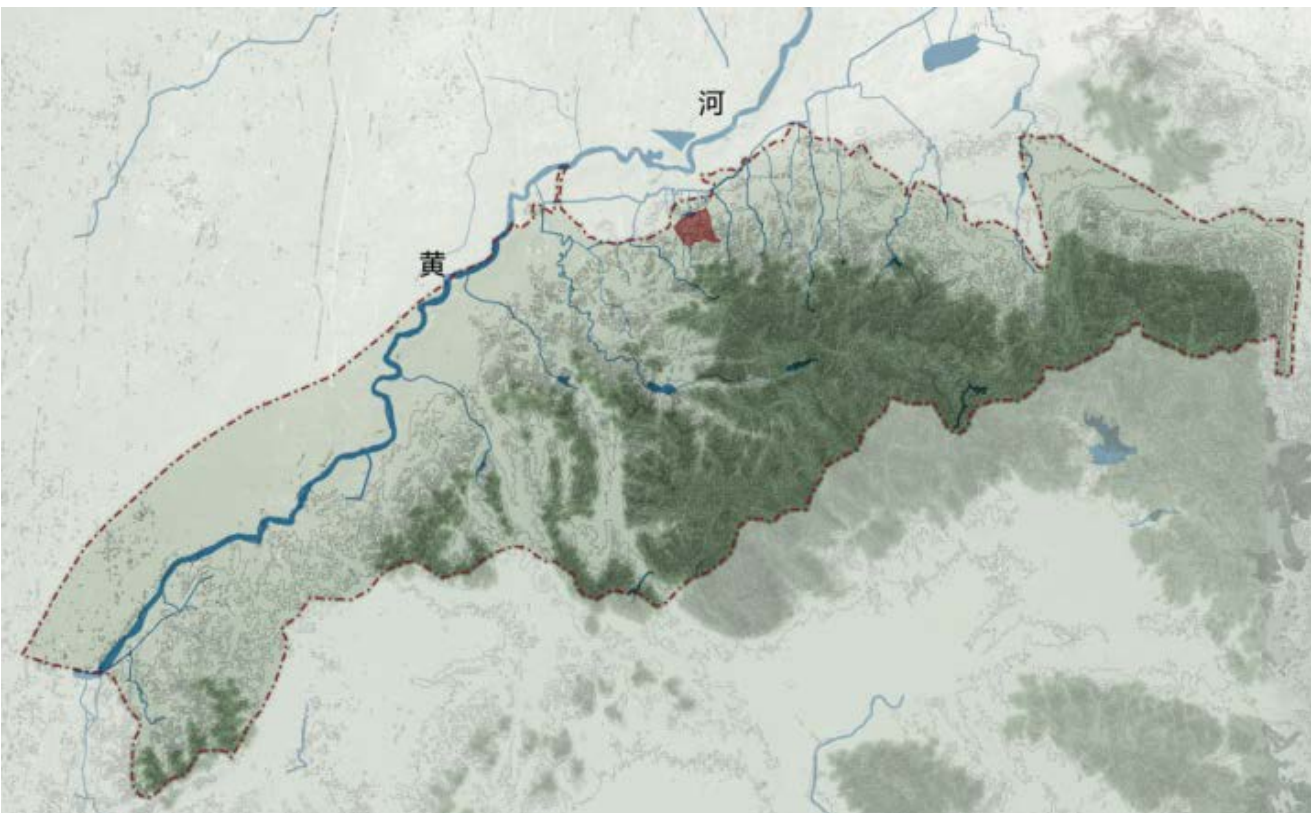
Extensive distribution, clear division of function between supply and drainage,
balance between waters storage and discharge



Unique monoclinal and artesian geological conditions,
ground-to-air circulation of spring-rain-groundwater



Concentrated exposure of horst springs in Qianfo Mountain has a distinctive spring environment, which makes the basis for the survival and development of the historic urban center of Jinan.



II. Issues and Difficulties in the Conservation and Management of Historic Urban Heritage System

Diverse Types of Elements

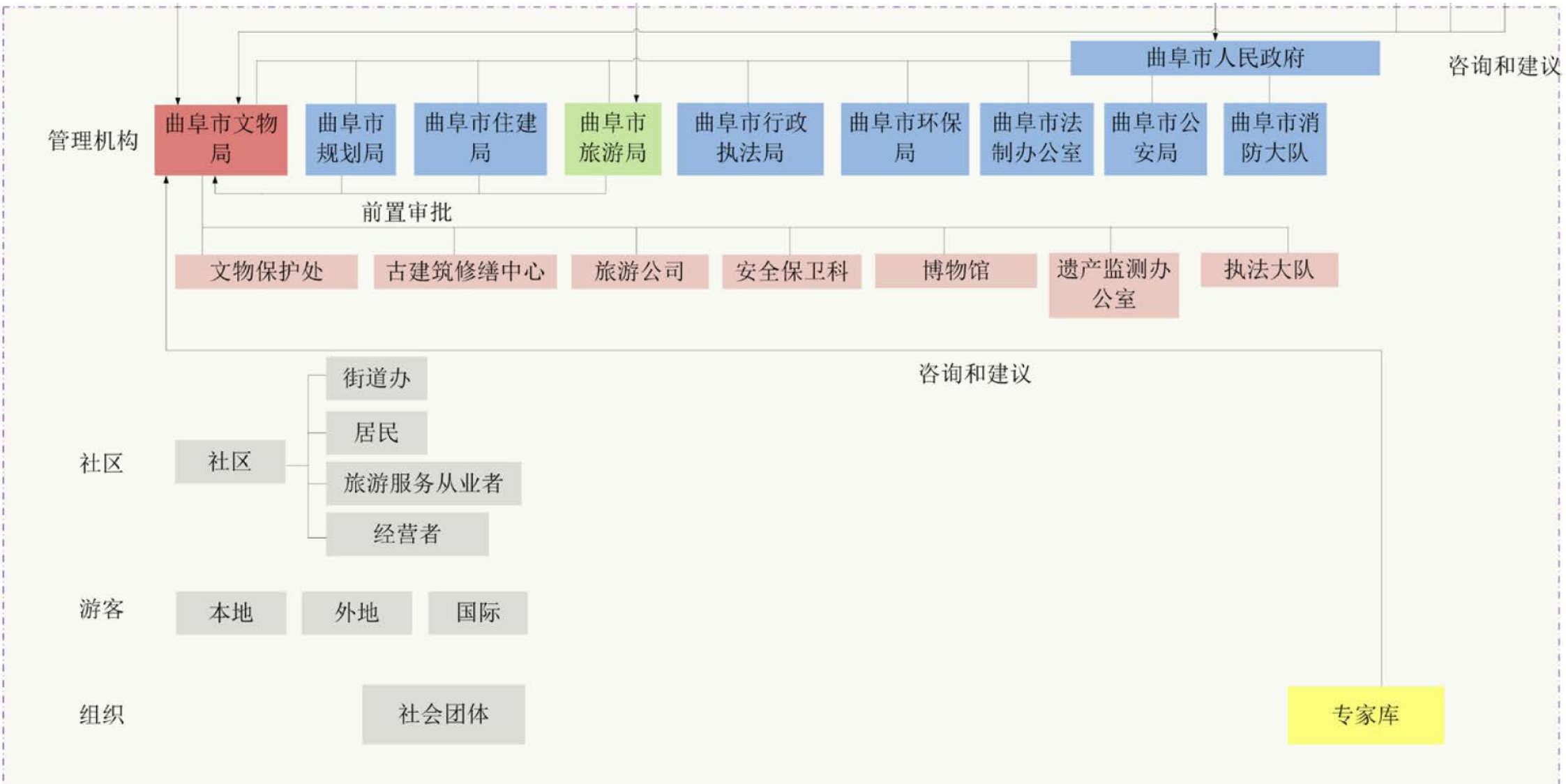
- Diverse conservation and management requirements cannot be met with a single measure.

Intermingled with the City, and closely related to natural environment

- Difficult for extensive consensus and effective coordination amongst multiple management bodies and departments.

1. Qufu

Multiple management bodies related to World Heritage and buffer zones, including agencies for cultural relics, urban planning, housing and development, tourism, environmental protection, and fire fighting etc.

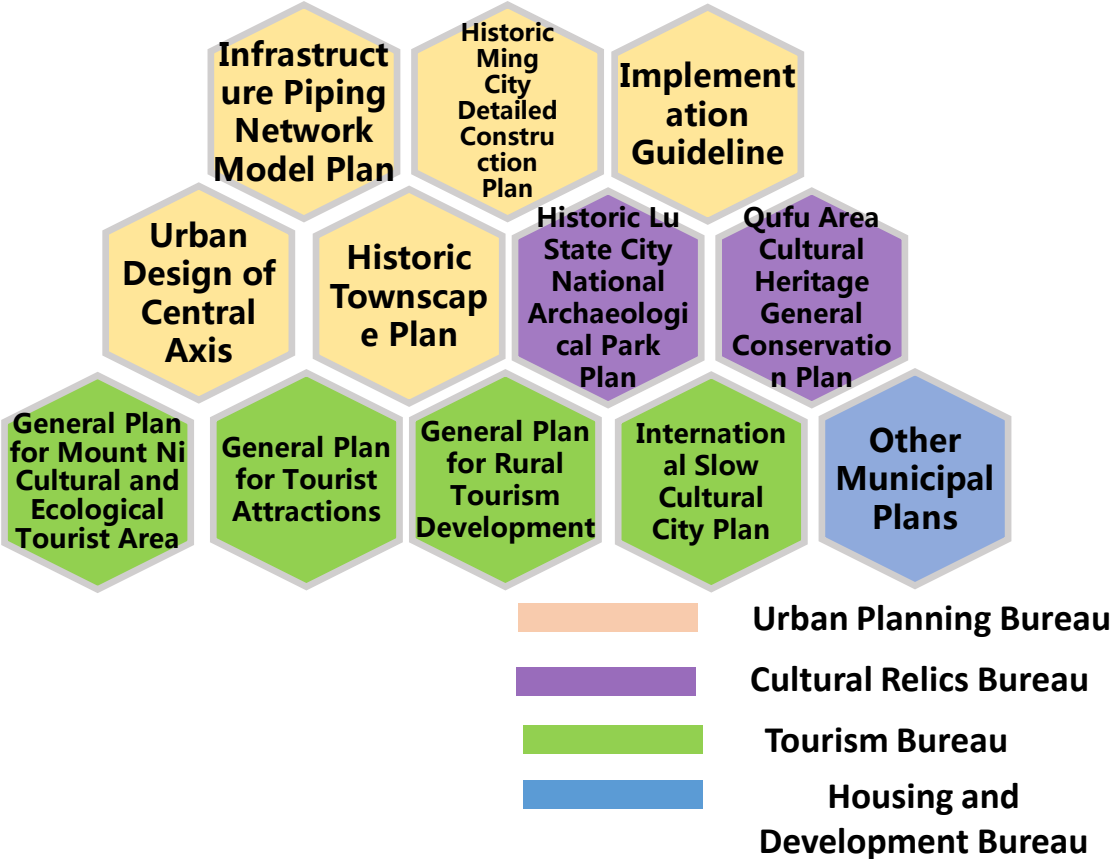


Inconsistent implementation approaches for the conservation, control and development of World Heritage and buffer zone, making it difficult to build a foundation for multiple departments to cooperate on a concerted management.

5 Legal Plans



13 Other construction and development plans



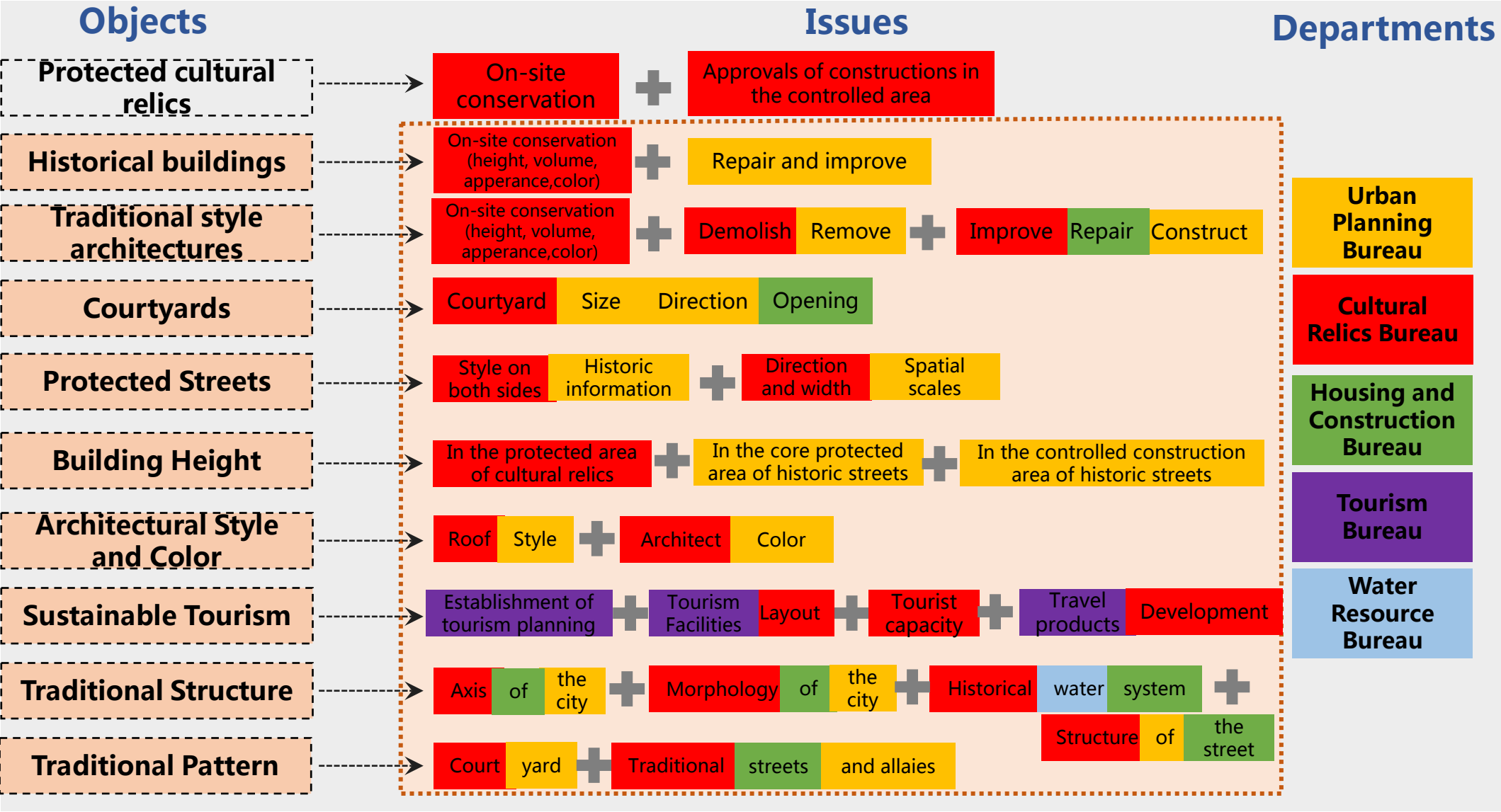
Various Types of Related Element to be Protected. Plans Developed by Multiple Departments differ in Standards of Conservation and Regulation.

● Conflicting Conservation Objects

◆ Unclear Conservation Standards

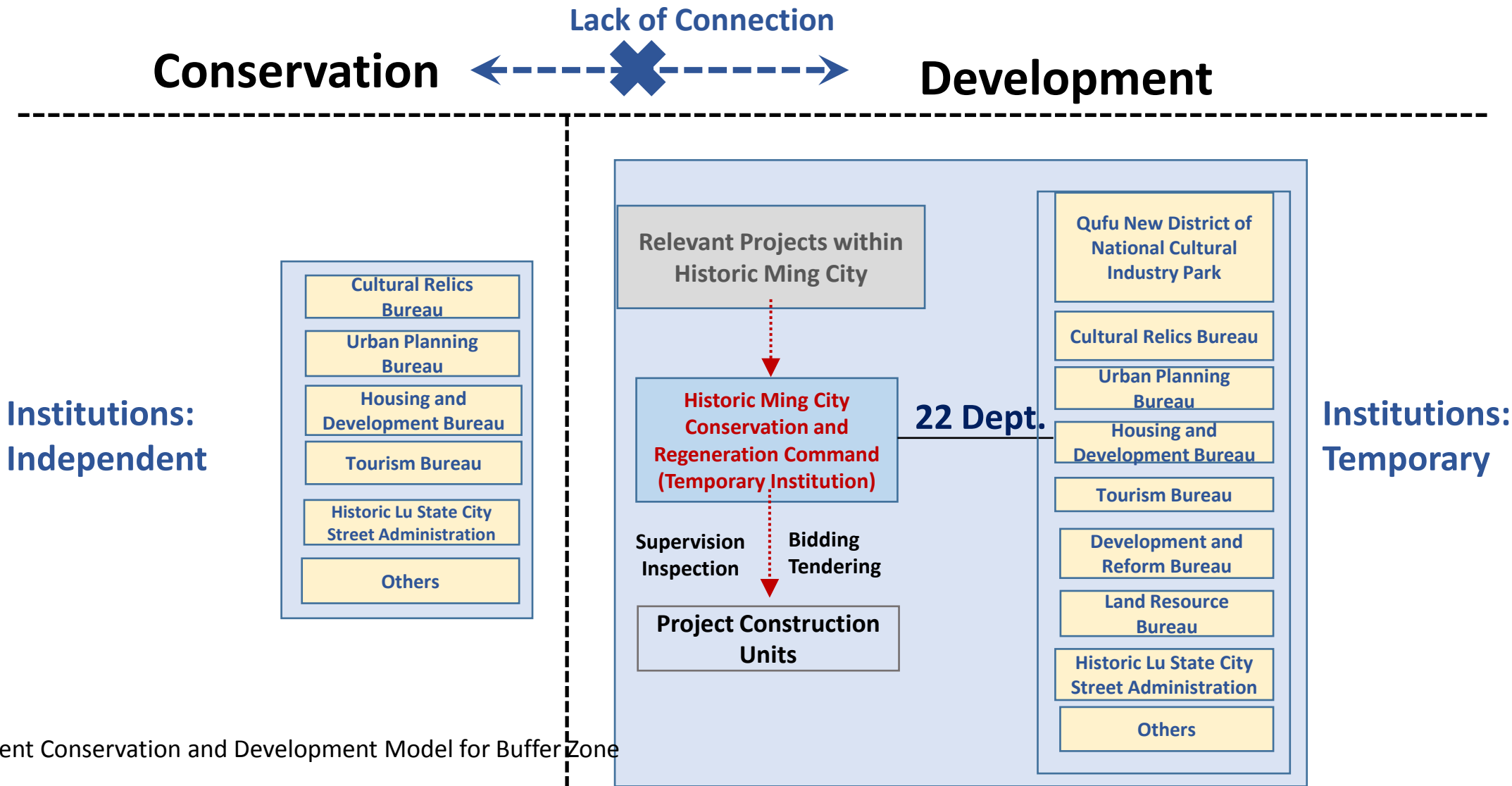
Historic City Conservation Plan	Conservation Plan for the Temple, Cemetery and Mansion	Regulative Plan for Historic Ming City	Conservation Plan for Historic Lu State City
<div><div><ul style="list-style-type: none">Protected Cultural RelicsHistoric Buildings ◆Building Heights</div></div>	<div><div><ul style="list-style-type: none">Protected Cultural RelicsHistoric Buildings ◆Building Heights</div></div>	<div><div><ul style="list-style-type: none">Protected Cultural RelicsHistoric Buildings ◆Building Heights</div></div>	<div><div><ul style="list-style-type: none">Protected Cultural RelicsBuilding Heights ●</div></div>
<div><div><ul style="list-style-type: none">Architectural Style and ColorCourtyard</div></div>	<div><div><ul style="list-style-type: none">Architectural Style and ColorCourtyard</div></div>		<div><div><ul style="list-style-type: none">Architectural Style and Color</div></div>
<div><div><ul style="list-style-type: none">Historic Layout ◆Traditional Fabric ◆Protected Streets ● ◆Tradtn’l Style Bldg ● ◆Intangible Heritage ◆</div></div>		<div><div><ul style="list-style-type: none">Historic Layout ◆Traditional Fabric ◆Protected Streets ● ◆Tradtn’l Style Bldg ● ◆Intangible Heritage ◆</div></div>	<div><div><ul style="list-style-type: none">Historic Layout</div></div>
<div><div><ul style="list-style-type: none">Historic Trees ◆Natural EnvironmentRoad and Traffic ◆ ●Functional Renewal ◆Sustainable Tourism ◆</div></div>			<div><div><ul style="list-style-type: none">Natural EnvironmentRoad and Traffic ●</div></div>
		<div><div><ul style="list-style-type: none">Historic Envrmt Elmnt ◆Historic Site ◆</div></div>	

Various Comprehensive Conservation and Regulation Tasks, Difficult for One Department to Coordinate beyond its Responsibilities



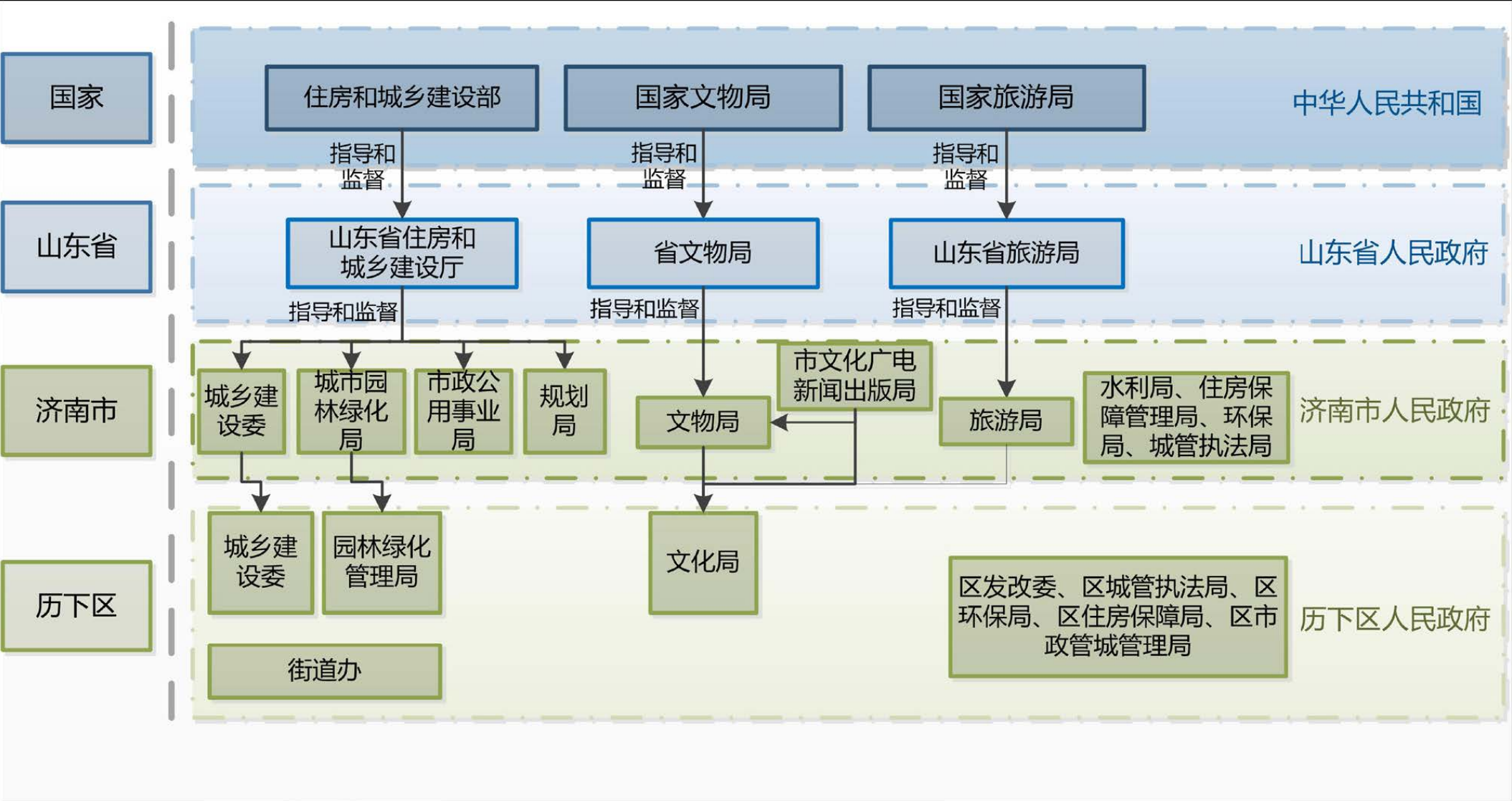
Elements, Tasks and Bodies Currently related to World Heritage and buffer zone

Lack of Long-term Management Mechanism, Difficult for Comprehensive and Consistent Conservation and Development of Heritage Sites



2. Jinan

In addition to Municipal Authorities, Management Bodies Related to Jinan Spring City Cultural Landscape include Departments for Water Affairs, Gardens, Infrastructure, Forestry and Mountain Administration



Even One Element Requires Different Administration from Various Departments

Springwater: Bureaus of Water Conservancy, Environmental Protection, Garden and Greening

Artificial Canals: Bureaus of Water Conservancy, Urban Public Affairs, Environmental Protection, Garden and Greening, Water Affairs

Water Gates and Walls: Bureaus of Urban Planning, Urban Public Affairs, Garden and Greening, Transportation, and Urban-Rural Development Committee, Urban Regulation

Spring Streets: ibid.

Spring Courtyard, Spring Private Garden, Spring Temple: Bureaus of Urban Planning, Cultural Relics, and Urban-Rural Development Committee

泉水街巷	规划局	城乡建设委	城管局和城管执法局	市政公用事业局	园林绿化局	市交通运输局
	选址意见书、建设用地规划许可证、建设工程规划许可证审核	市政基础设施工程以外的建筑工程施工许可	城市大型户外广告设置审核 在城市建筑物、设施上张挂、张贴宣传品审批	市政基础设施工程施工许可证核发 负责行道树的栽植	迁移城市古树名木审核 移植、砍伐城市树木和垂直绿化植物审批（审核）	更新砍伐公路用地上的树木审核
泉水宅院	规划局			文化广电新闻出版局		城乡建设委
	选址意见书、建设用地规划许可证、建设工程规划许可证审核	历史建筑原址保护措施审批	在历史文化街区、名镇、名村核心保护范围内，拆除历史建筑以外的建筑物、构筑物或者其他设施审批	国有文物保护单位改变用途审核、文物保护单位修缮审批	文物保护单位建设控制地带内建设工程设计方案审核 文物保护单位原址保护措施审批	在文物保护单位保护范围内进行其他建设工程或爆破、钻探、挖掘等作业许可 市政基础设施工程以外的建筑工程施工许可
泉水私家园林	规划局			文化广电新闻出版局		城乡建设委
	选址意见书、建设用地规划许可证、建设工程规划许可证审核	历史建筑原址保护措施审批	在历史文化街区、名镇、名村核心保护范围内，拆除历史建筑以外的建筑物、构筑物或者其他设施审批	国有文物保护单位改变用途审核、文物保护单位修缮审批	文物保护单位建设控制地带内建设工程设计方案审核 文物保护单位原址保护措施审批	在文物保护单位保护范围内进行其他建设工程或爆破、钻探、挖掘等作业许可 市政基础设施工程以外的建筑工程施工许可
泉水寺庙	规划局			文化广电新闻出版局		城乡建设委
	选址意见书、建设用地规划许可证、建设工程规划许可证审核	历史建筑原址保护措施审批	在历史文化街区、名镇、名村核心保护范围内，拆除历史建筑以外的建筑物、构筑物或者其他设施审批	国有文物保护单位改变用途审核、文物保护单位修缮审批	文物保护单位建设控制地带内建设工程设计方案审核 文物保护单位原址保护措施审批	在文物保护单位保护范围内进行其他建设工程或爆破、钻探、挖掘等作业许可 市政基础设施工程以外的建筑工程施工许可

要素大类

管理部门

部门审批权

部门职责

III. Priorities for Long-term Management of Historic Urban Heritage

1. Building Interdepartmental Management System

Qufu

Qufu World Cultural Heritage and Historic & Cultural City Conservation Steering Group

Municipal Party Secretary, Mayor



Qufu World Cultural Heritage and Historic & Cultural City Conservation and Management Committee Members

Cultural Relics Bureau	Housing and Development Bureau	Tourism Bureau	Land Resource Bureau	Public Security Bureau	Development and Reform Bureau	Bureau for Letters and Calls
Urban Planning Bureau	Environmental Protection Bureau	Industrial & Commercial Bureau	Cultural Management Committee	Bidding and Tender Office	Inspection Bureau	Cultural Investment Group
Housing Appropriation Office	Urban Regulation	Historic Lu State City Street Administration	Cultural Management Committee	Water Conservancy Bureau	Cultural Market Law Enforcement Bureau	
Finance Bureau						

**The Leading Group of the Qufu World Heritage
and the Historic and Cultural City**

The Office

(of the Municipality)

**Qufu World Heritage and Historic City
Conservation and Management Committee**

**Conservation of the World Heritage
and the Historic City**

**Development of the World Heritage
and the Historic City**

**Construction and
Implementation**

**The Property
Zone**

**The Buffer
Zone**

**Scope of the
Historic City**

**The Property
Zone**

**The Buffer
Zone**

**Scope of the
Historic City**

**Qufu Industrial
Park**

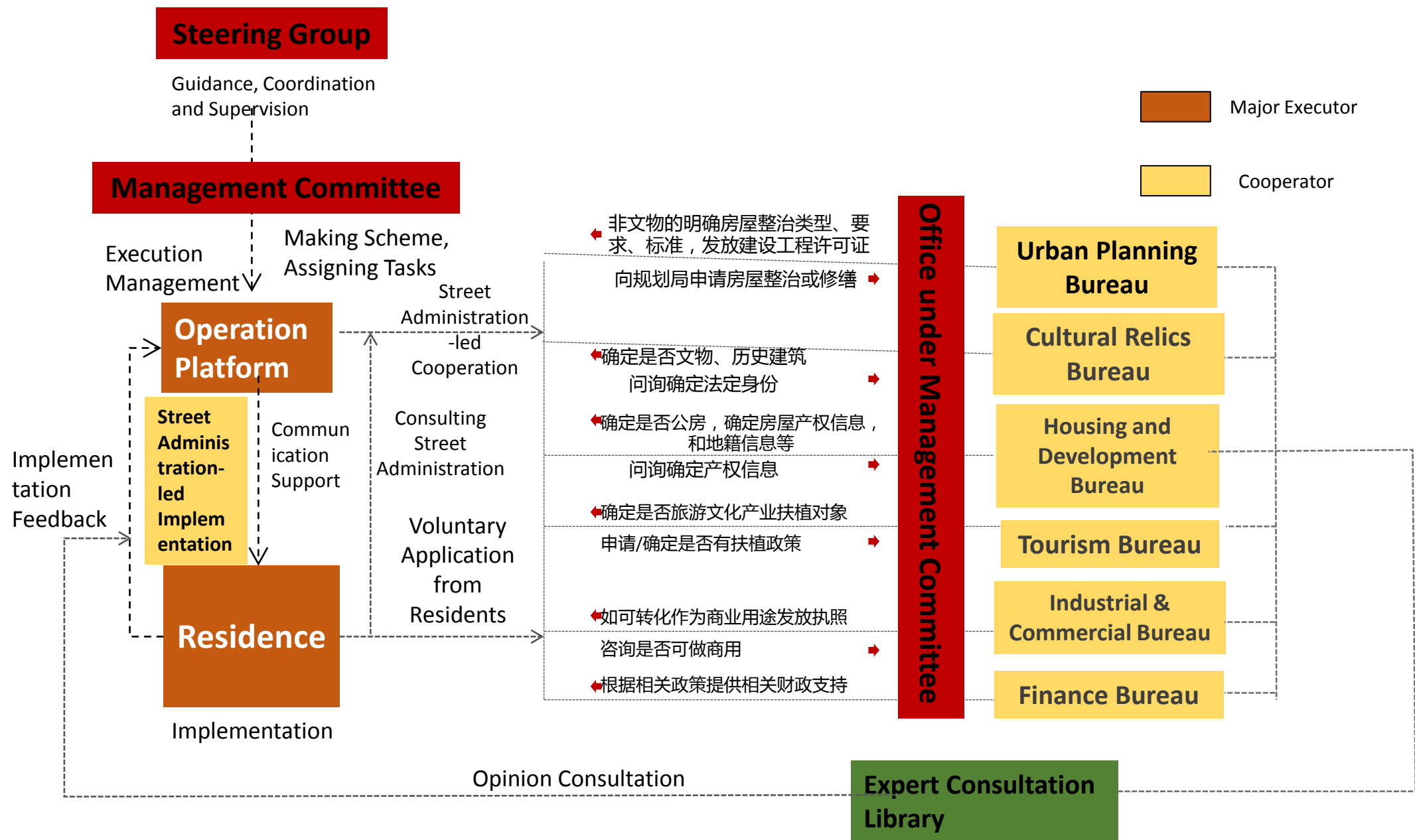
**The Cultural
Relics Bureau**

**The Management
Committee**

**The Cultural
Relics Bureau**

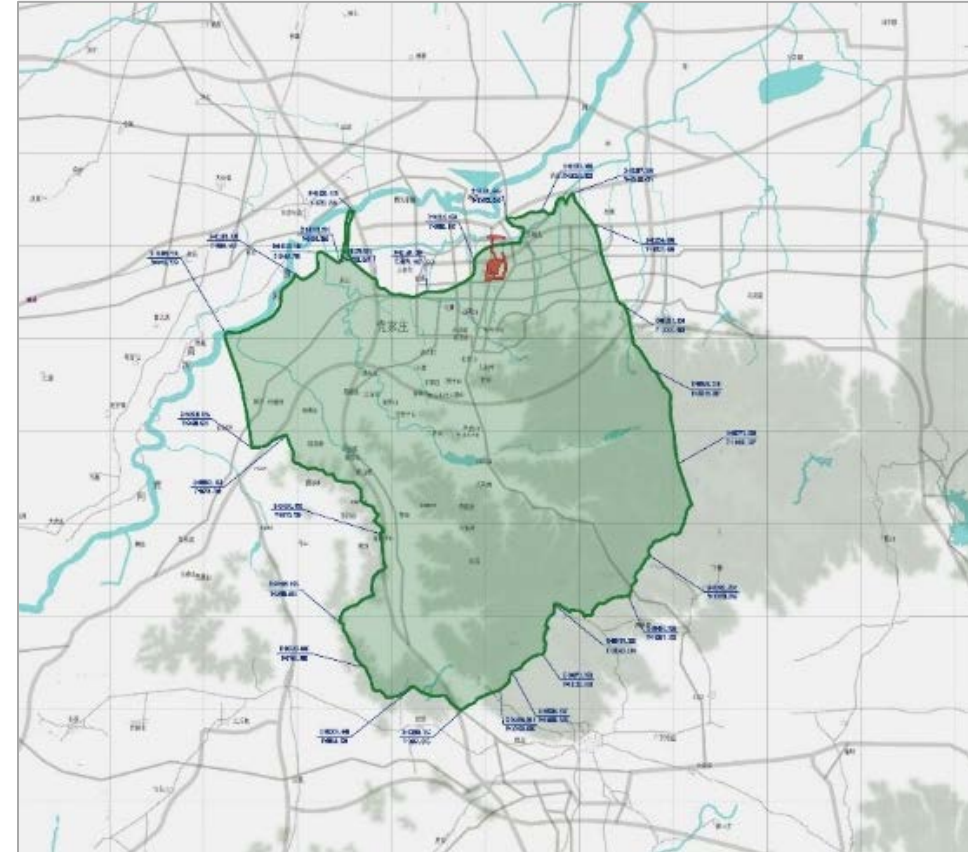
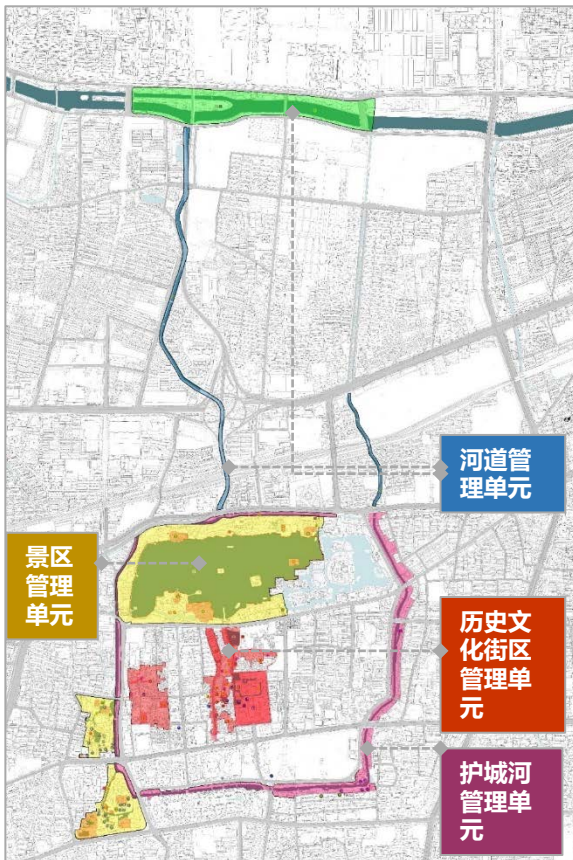
**The Management
Committee**

Example – Repair and Renovation of Residence

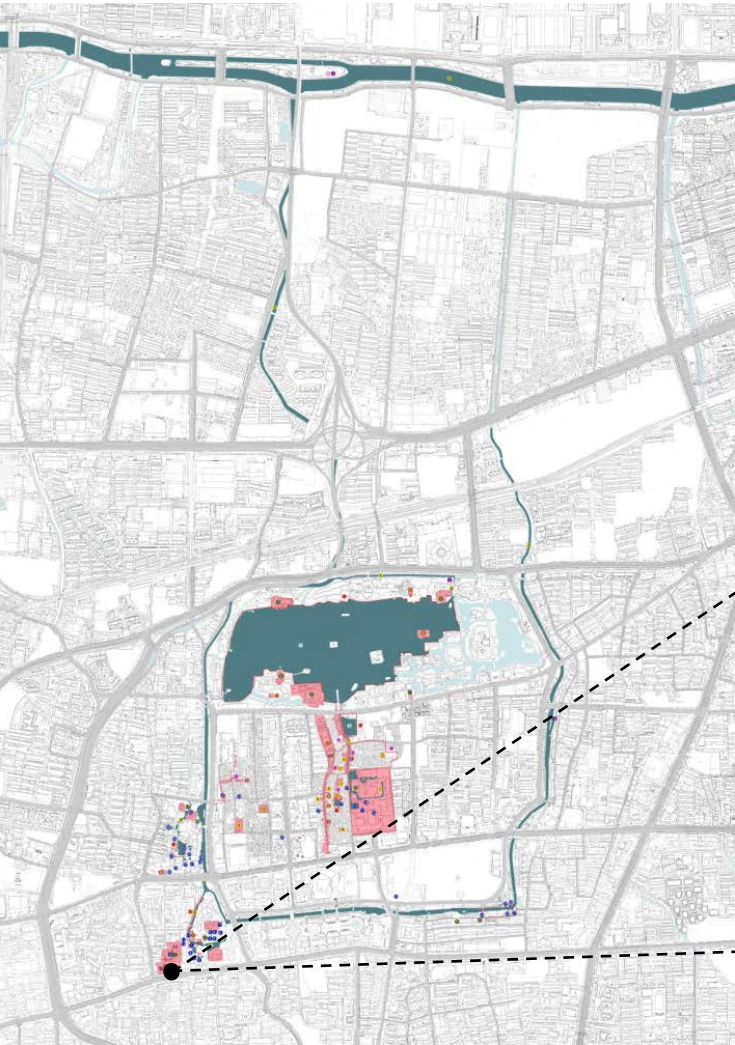


2. Meeting the Requirement and Standards for Management and Control of listed properties of building, urban sector and natural areas through Multi-level Conservation Zoning

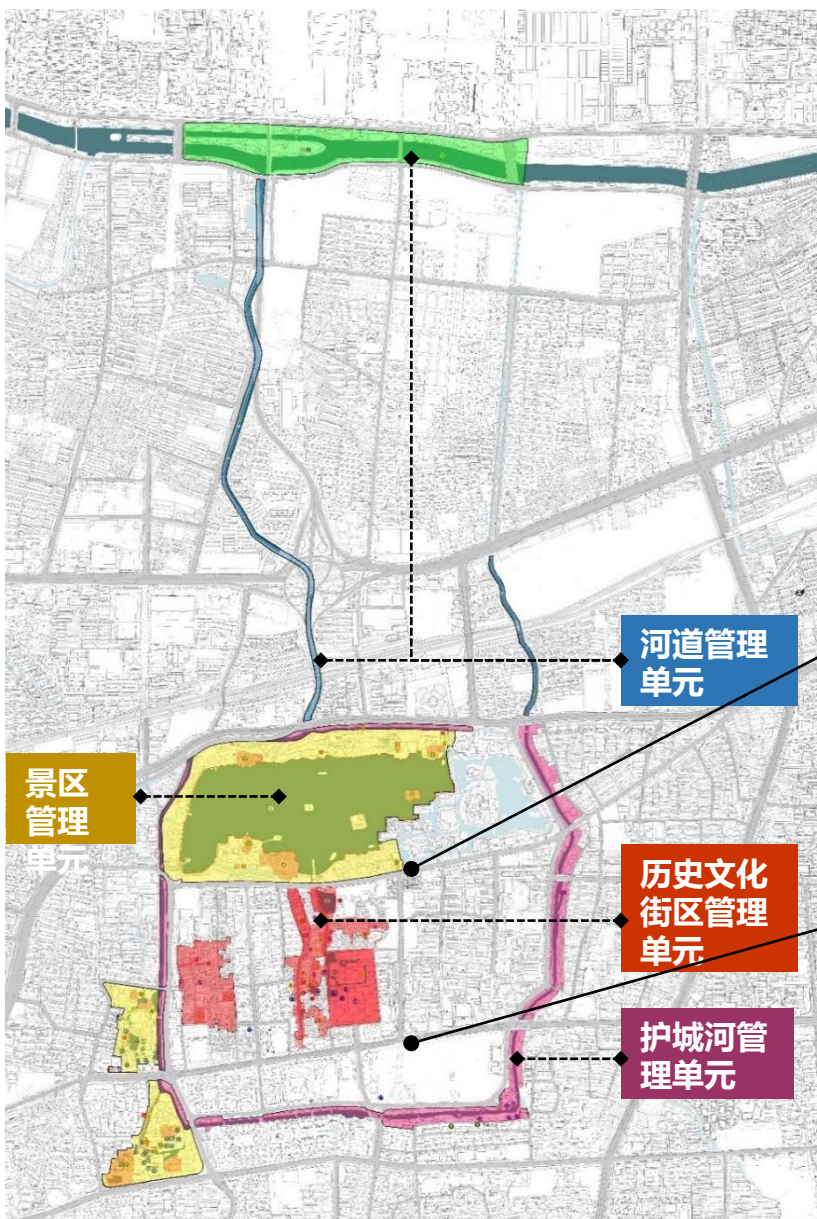
Jinan: Conservation Boundaries for Heritage Sites, Heritage Areas, Grade I Buffer Zone, Grade II Buffer Zone



Identifying Conservation Boundaries for 89 Heritage Elements



Correspondence between four Heritage Area Management Units outside the Property Conservation Boundary and Current Legal Management Boundary and Measures



Management Regulations for the Conservation Boundary of Heritage Elements

(Refer to Cultural Relics Management, Identify Negative List and Administrative Procedure for Approval)

- Forbid any surface and underground construction or explosion, probing, and excavation that are irrelevant to heritage conservation;
- Forbid transformations that have negative impacts on the safety of heritage property, environmental scheme, townscape and values;
- Forbid building new spring pond and channels, new canal streets.;
- **Related construction must follow legal approval procedures as required by State Administration of Cultural Heritage.**

Regulations for Management Units in the Heritage Area other than the Heritage Elements

(Refer to Management for the Construction Control Zone of Cultural Relics, Identify Negative List and Administrative Procedure for Approval)

- New construction must not interfere the historic townscape of protected cultural relics;
- The height, volume, style, formation, and color of new construction should be consistent with heritage features;
- Current historic layout with intact water facilities must be strictly protected to preserve the historic settings for the springs;
- **Designs of planned new constructions should be approved by corresponding cultural relics administrative bodies, and submitted to superior departments for approval (Bureaus of Urban-Rural Planning, Gardens and Greening, Urban Infrastructure, and Water Conservancy).**

Special Regulations for the four Management Units (Building Height Control/Others)

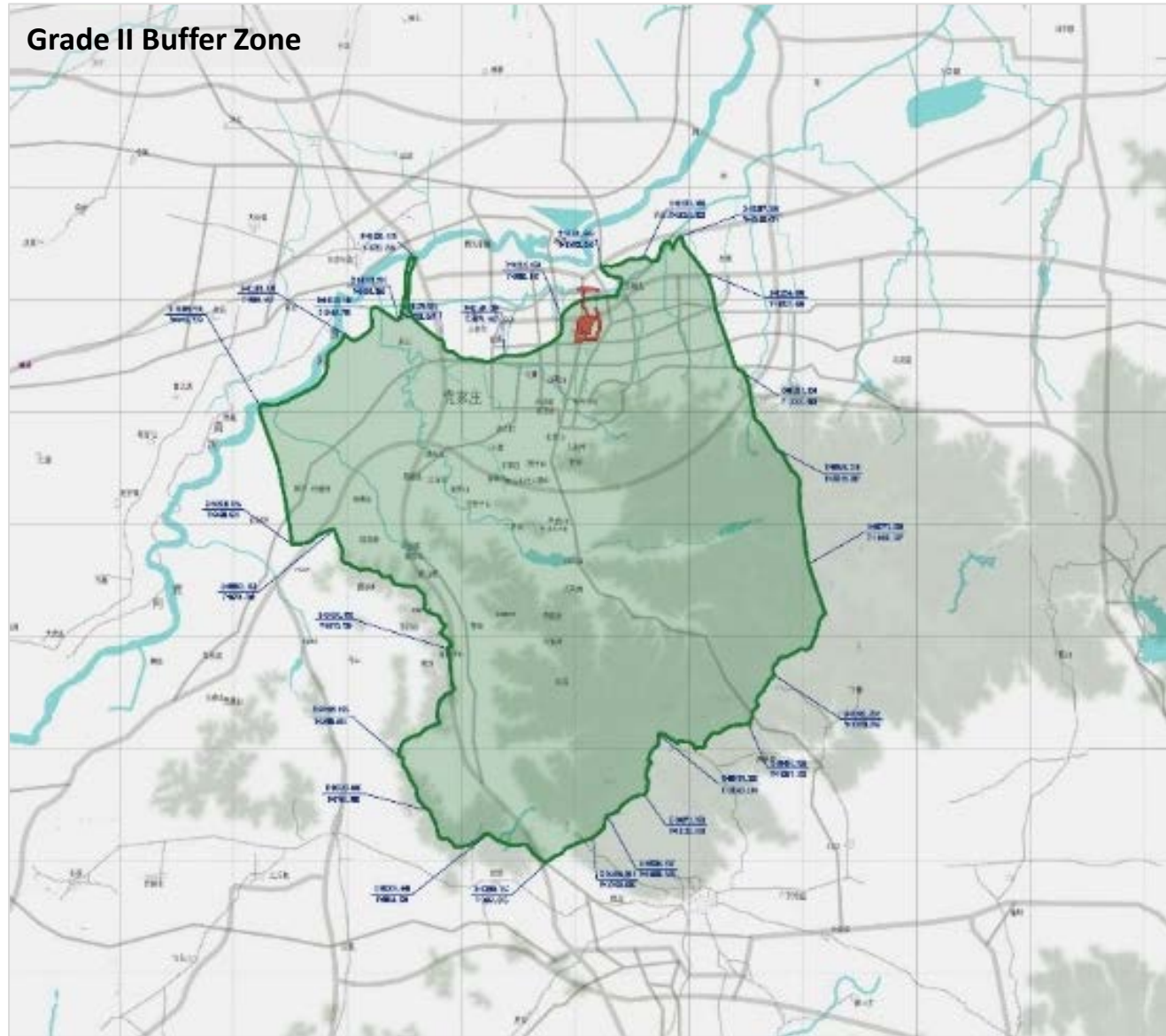
Management Units	Height Control	Enforcing Provisions by Law of Cultural Relics
Conservation Areas of Furong (Lotus) Street - Baihua (Hundred Flowers) Lake, Zhenzhu (Pearl) Spring, of Jiangjun (General's) Temple	严格按照《济南市芙蓉街-百花洲历史文化街区保护规划》控制建筑高度（7-9米）	<ul style="list-style-type: none">● 轴线：严格保护街区内轴线对位关系，街区内严禁在轴线上建设新建建筑，对轴线有影响的建筑应进行整治或拆除。
Conservation Areas of Daming Lake, of Baotu Spring, Wulong (Five-Dragon) Pool	保护范围内不得新建、改建建筑	<ul style="list-style-type: none">● 附属物：保护与泉水要素点相关联的泉池水网格局、泉井、古树名木、亭台楼阁桥等历史构筑物空间位置不发生改变，不得拆除或移挪● 轴线：严格保护大明湖保护区划重要的视廊轴线
Moat Conservation Area	保护范围内不得新建、改建建筑	<ul style="list-style-type: none">● 河道管控：保护区内禁止与保护无关的建设，建设活动不得占用河道，保证全河段公共开放性● 附属物：保护与泉水要素点相关联的泉池水网格局、泉井、古树名木、亭台楼阁桥等历史构筑物空间位置不发生改变，不得拆除或移挪
Conservation Areas of East and West Luo Rivers, of Xiaoqing River	保护范围内不得新建、改建建筑 建筑檐口高度不得超过6米，并采用传统建筑构造方式，与周边建筑协调	

Specify two Grades of Buffer Zones for Urban Development Control and Natural Geology Units Conservation

Grade I Buffer Zone



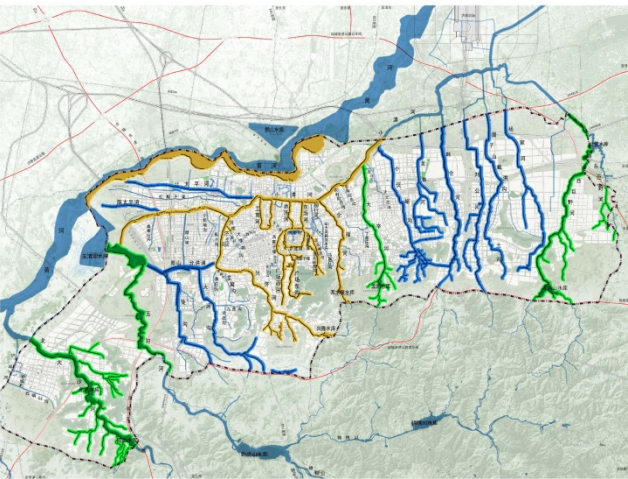
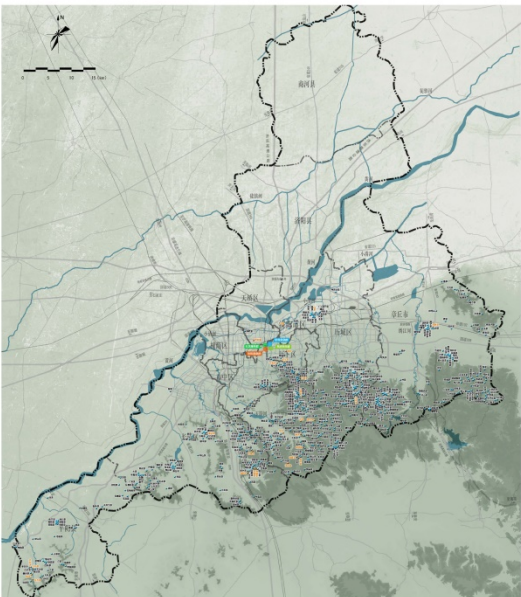
Grade II Buffer Zone

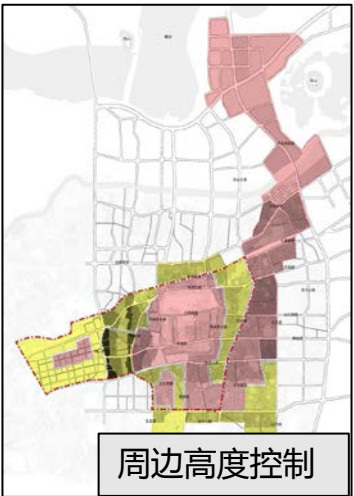
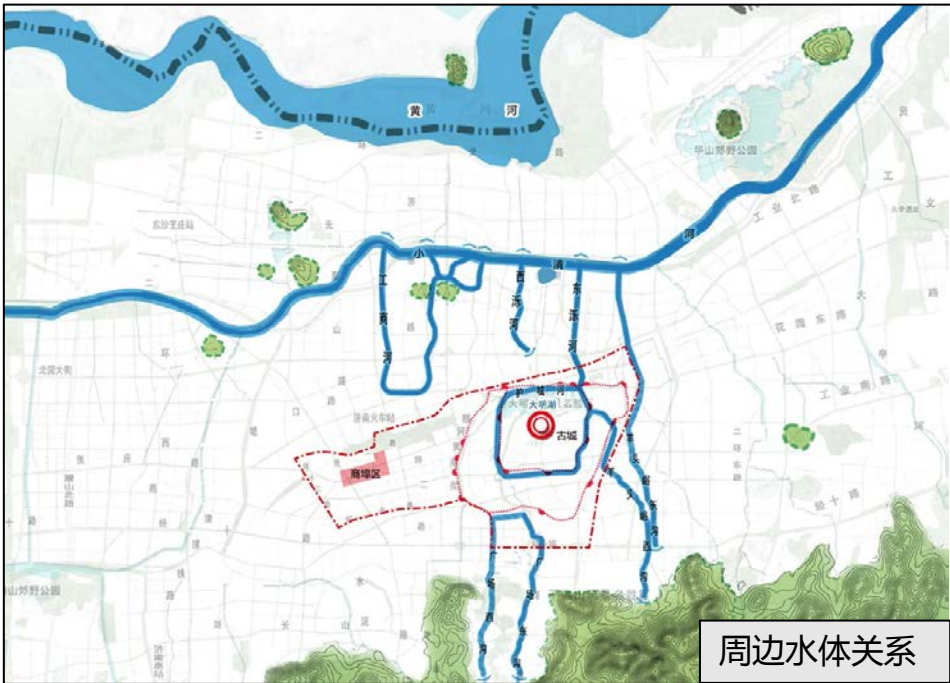


Grade I Buffer Zone Management Regulations

included in the New Version of "Jinan Historic and Cultural City Conservation Plan" (2015 - 2030)

Responding to the Relationship with Mountains and Waters, to Height and Townscape Control and other requirements for the Surroundings of Historic Urban Areas





Grade II Buffer Zone Management Regulations

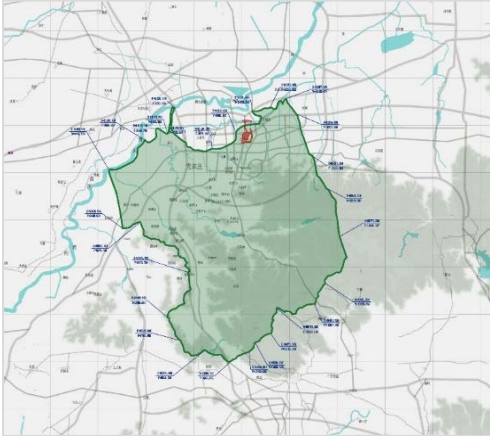
included in the Newly Published "Regulation Plan for the Generation of Ecological Control Lines for Spring Protection in Jinan"

Four Types of Boundaries for the Ecology Protection Bottom Line

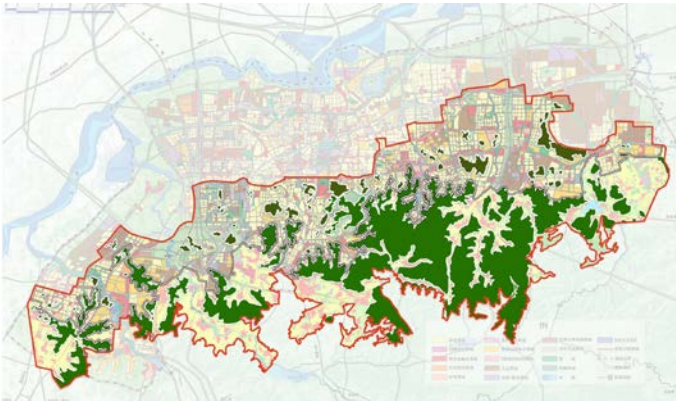
- Regulation
for
Different
Types
- Direct Supply Area

Indirect Supply Area

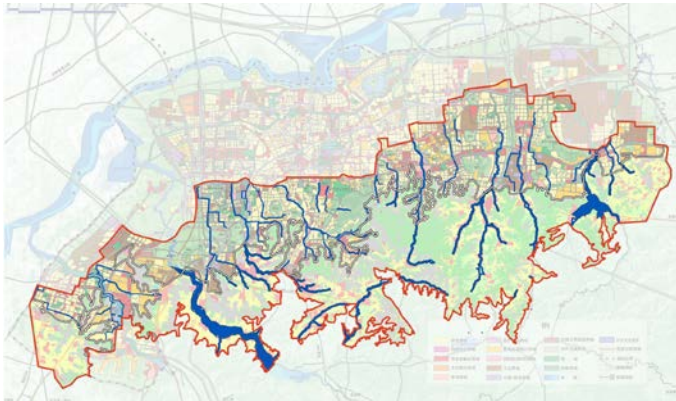
Confluence & Discharge Area



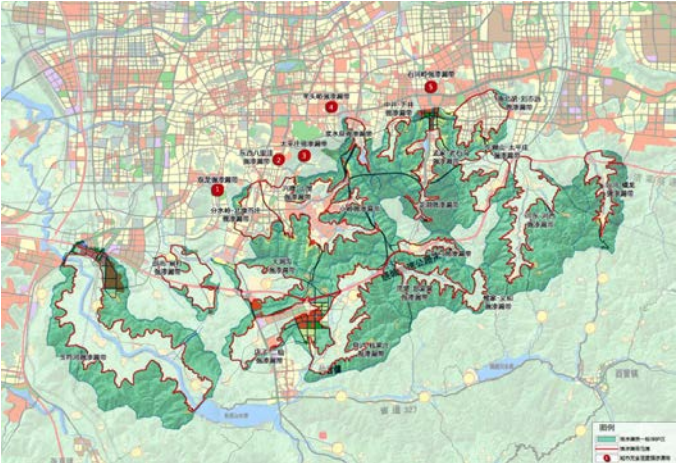
Natural Mountains



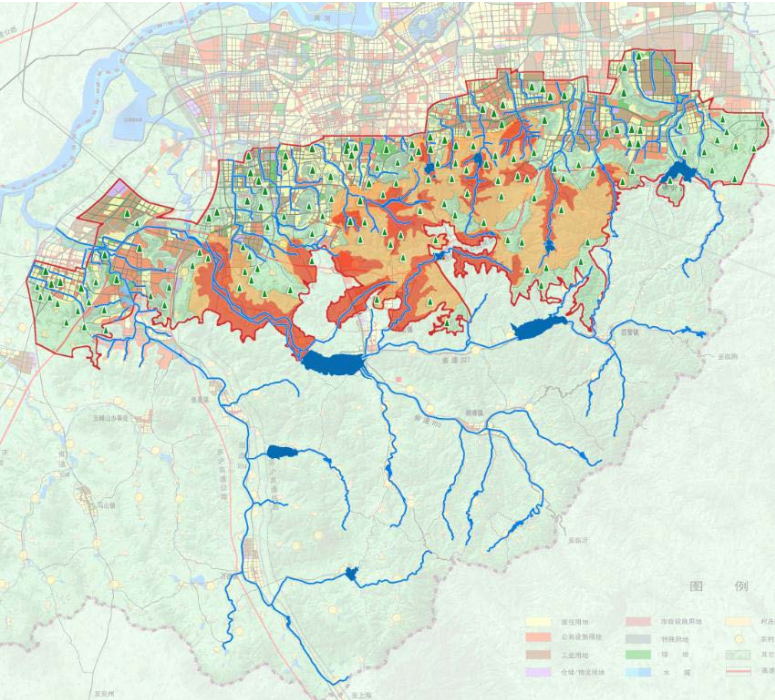
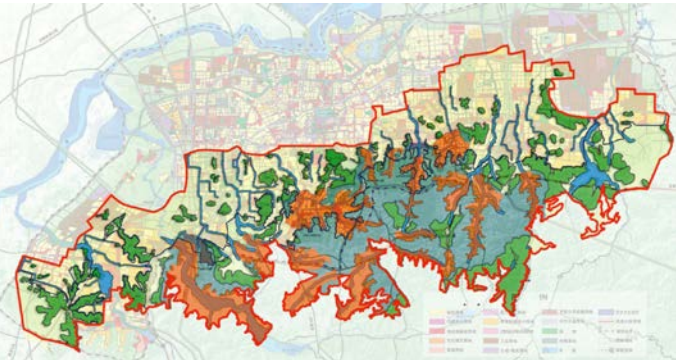
River System



Heavy Seepage Belt



Direct Supply Area and Other Supply Area



3.3 Identification of Duties, Generating the List for Conservation, Control and Management Responsibilities, Standards and Operation Procedures

Elements	Tasks	Dept.		Responsibilities	Standards	Operation Procedures
Protected Cultural Relics	文物保护单位原址保护	文物局		文物保护单位实施原址保护措施许可	按照文物保护法保护要求进行保护	全国重点文物保护单位修缮工程立项
	不可移动文物修缮			文物保护单位及未核定为文物保护单位的不可移动文物修缮许可		
	三普范围内的建设			已登记公布的未核定为文物保护单位的不可移动文物占地范围内进行建设活动、作业的许可		
	文物保护单位原址保护用途改变			国有未核定为文物保护单位的不可移动文物作其他用途的许可		
	建设控制地带内方案审批			文物保护单位建设控制地带内建设工程设计方案审批		
Historic Buildings	历史建筑原址保护	管委会协调	文物局	历史建筑原址保护措施审批	对于已损毁的历史建筑群，修复时应该严格按照历史图纸和资料，并按程序报批；	委员会研究历史建筑修缮标准和资金利用相关政策由政府出台，规划局依政策实施保护
	历史建筑改造		规划局	对历史建筑进行外部修缮装饰、添加设施以及改变历史建筑的结构或者使用性质审批	历史建筑严格按照《历史文化名城名镇名村保护条例》进行保护	

Element	Task	Department	Responsibility		Standard and Requirement	Procedure
Courtyard	院落改造提升	管委会协调	文物局	文物保护单位建设控制地带内建设工程设计方案审批	新建院落不应超过宽度20米，长度25米	委员会研究传统风貌建筑保护利用标准，拟定工作流程，规划、文物、住建、街道办等多部门落实实施
			规划局	建设工程规划许可证	新建院落不应超过宽度20米，长度25米 一般院落面积控制在150-400平米之间，略呈长方形，南北方向 院落开口采用南向优于东西优于北向的开口原则	
Traditional Style Building	建筑功能提升改造	管委会协调	文物局	文物保护单位建设控制地带内建设工程设计方案审批	参照历史建筑保护标准进行保护	
			规划局	建设工程规划许可证		
			住建局	大于300平米的工程进行建设工程进行施工许可证发放		
Protected Street	维持街巷宽度、走向，保护两侧建筑风貌	管委会协调	文物局	文物保护单位建设控制地带内建设工程设计方案审批	维持街巷的走向、宽度、空间尺度、两侧界面、相关历史信息等，要求建筑贴线建设，保证界面连续性	控制要素和标准；进一步落实细化街巷控制要素的管理责权，如街巷宽度、走向、街巷铺装、两侧建筑风貌等相应管理单位，规划、文物和街道办依标准实施保护
			规划局	建设工程规划许可证		

Thank You!