

## Research on landscape evolution methods in the perspective of Historic Urban Landscape (HUL)

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**Abstract:** In the rapid processes of globalization and urbanization, many historical urban landscapes and local cultures have suffered varying degrees of destruction. In response to the numerous challenges in historic urban preservation, the United Nations Educational, Scientific and Cultural Organization (UNESCO) has put forward the theory of “Historic Urban Landscape” (HUL), which provides new concepts and methods for sustainable heritage management. In this paper, we conduct research on the theoretical foundations of the HUL theory and extract the essence and advantages of the HUL theory as a new paradigm for preservation. Combined with landscape ecology methodology, this article constructs a research methodology for landscape evolution, which includes “recognition of landscape characteristics - analysis of layered evolution - summarization of landscape evolution laws - research on preservation and revitalization strategies”. This research provides new perspectives and references for the preservation and development of historic urban areas in China.

**Key words:** Historic Urban Landscape, landscape evolution, historic urban preservation and renewal, heritage management

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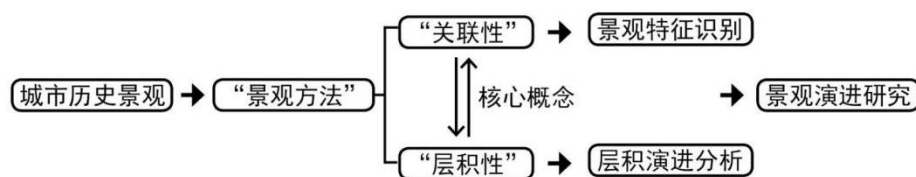


Figure 1. Sources of landscape evolution research theories



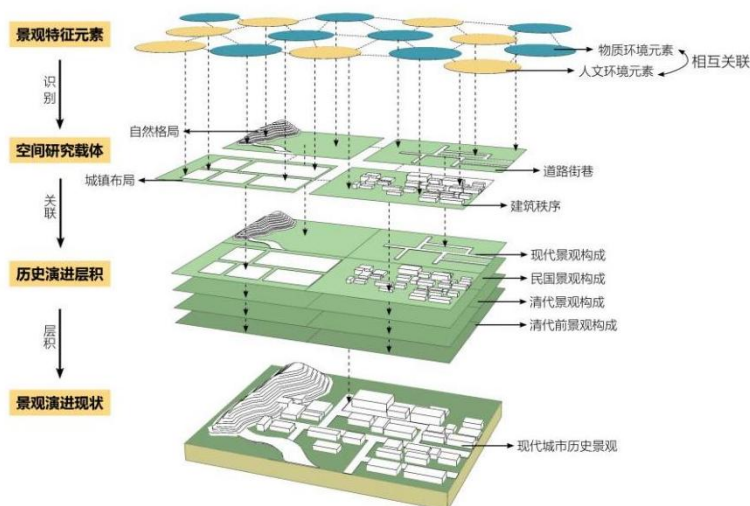


Figure 2. Sketch map of historic city development from the perspective of landscape evolution

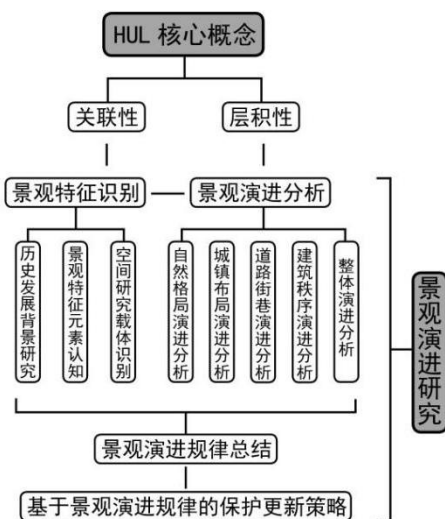


Figure 3. Research ideas on landscape evolution

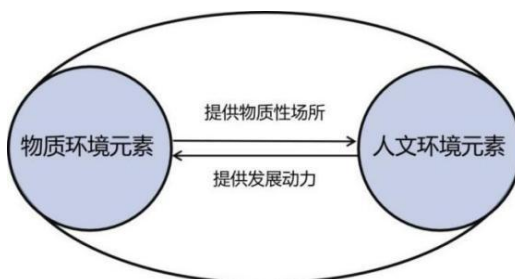


Figure 4. Relationship between physical and humanistic environmental elements



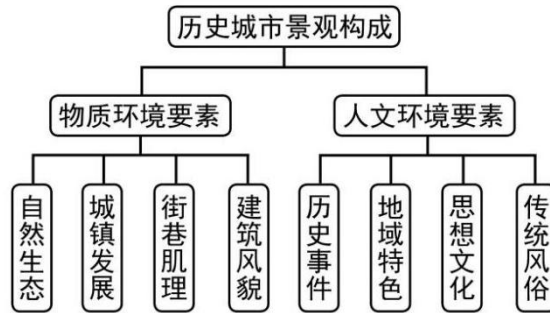


Figure 5. Landscape characteristic elements

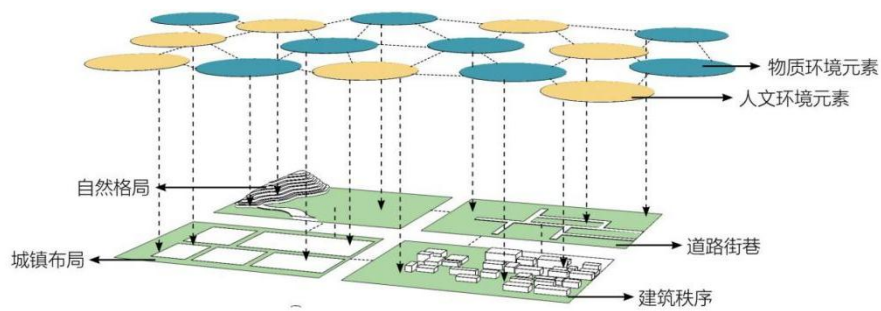


Figure 6. The relationship between spatial carriers and landscape characteristic elements



