

LECTURE SUMMARY

Fundamentals of Evidence-based Planning

EXPECTED LEARNING OUTCOMES

- Understand the process of evidence-based urban design and planning
- Understand the role of analytical methods in the evidence-based process
- Learn how the built environment can be analyzed with regards to socio-economic factors
- Learn how this approach can be applied to urban projects across various scales

SUMMARY OF THE LECTURE

The endeavor to create more sustainable cities poses numerous challenges for contemporary urban design and planning. These challenges are expected to become more complex in the future, necessitating innovative approaches to urban design. To effectively navigate these challenges, we need approaches relying on credible research evidence to inform the design process, evaluate proposals and mitigate the risks of failure. Consequently, this lecture gives an introduction to the evidence-based urban planning approach, a methodology designed to address the multifaceted challenges confronting urban areas. By utilizing data, research, and various forms of evidence, this approach aims to inform decisions regarding the development of cities, ultimately contributing to the creation of built environments that are functional, sustainable and responsive to the needs of the people.

The lecture is structured into three parts. The initial part aims to introduce the concept of evidence-based planning and delves into the role of evidence-based urban analytics in supporting the design process. The following part explains the theories and methods of evidence-based urban analytics, with a specific focus on the space syntax method. It illustrates how the urban environment can be analyzed with regards to

socio-economic factors. The concluding part of the lecture deliberates on the practical application of evidence-based planning to urban projects across various scales.

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