

LECTURE SUMMARY

Fundamental of integrated urban planning: core concepts and ideas

EXPECTED LEARNING OUTCOMES

- Comprehend the concept and application of Integrated Urban Planning
- Relate Integrated Urban Planning to Systems Thinking
- Comprehend the difference between Traditional Urban Planning, Strategic Urban Planning and Integrated Urban Planning
- Explain the key features of Integrated Urban Planning
- Comprehend the co-benefits produced by Integrated Urban Planning, for human, ecosystems and planetary health
- Relate Integrated Urban Planning to practical interventions

SUMMARY OF THE LECTURE

The lecture is structured to introduce the relationship between Systems Thinking and Integrated Urban Planning, explaining the difference between the latter and other types of planning.

The key features of Integrated Urban Planning are explained and interpreted through the THRIVES framework of healthy urbanism to highlight the interrelationships between the local, ecosystem and planetary environments. A short video exemplifies the interrelationships between land usage, housing, conservation of green space and biodiversity.

The case study of Mexico City's "Greater than Parts" is presented, highlighting the need for cross-sectoral collaboration in Integrated Urban Planning and explaining the consideration given to co-benefits when planning interventions.



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The enabling conditions and barriers of Integrated Urban Planning are discussed to then end the lecture with a detailed case study of Vauban Sustainable Neighbourhood in Freiburg, Germany, underscoring its multifaceted approach combining stakeholder engagement, energy efficiency, physical design and financing model.

REFERENCES

- Medeiros and van der Zwet (2020). Sustainable and integrated urban planning and governance in metropolitan and medium-sized cities. *Sustainability* **2020**, 12, 5976; doi:10.3390/su12155976
- Yigitcanlar and Teriman (2014). Rethinking sustainable urban development: towards an integrated planning and development process. *Int. J. Environ. Sci. Technol.* (2015) 12:341-352

