

# **Abstract**

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## **An Argumentative Review Between Urban Morphology and Energy-Efficient Mobility**

Urban settlements are recognized in literature to be a significant energy consumer. Among the primary contributors of such consumption is the transportation system. Recent literature that discusses the relation between energy efficient mobility and urban form has been continually branching and growing. However, as it grew, it becomes more specialized, less self-conscious, and to some extent contradicting. After adopting Conzen's approach to urban morphology, this chapter discusses through an argumentative review the relationship between energy efficient mobility and buildings density, land use, and streets networks. In addition to providing a snapshot to critical studies in the last three decades, two arguments are refuted. First, the residents' behavior resulting from socio-economic factors individuals' choice has more impact than urban morphology characteristics on energy-efficient mobility. Second, morphological characteristics of urban settlements that lead to energy efficient mobility do not vary with the variation of context.