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Efficiency and equity of orbital motorways in Mæ

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Abstract

Orbital motorways are major structuring elements in the metropolitan areas of development. They can be considered as key components within the transport network of large urban agglomerations, funneling a great amount of intra- and inter-metropolitan traffic. This paper analyzes the equity and efficiency effects of orbital motorways on accessibility, using the beltway case study. It is well known that orbital impacts differ depending on their location within metropolitan area (inner and outer) as well as the activity distributional performance (agglomeration vs. decentralization of activities). These topics have received very little attention in previous research. The paper extracts some policy considerations with respect to accessibility disparities within metropolitan areas and compares relative changes from the spatial perspective.

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