

Travelling Management in Urban Areas Linked with Urban Space Management and Planning Under 15-Min Cities Idea

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Abstract

Sustainable development should be based on identification of needs, take the limited natural resources into account, and initiate technological development. The growth of city economy is strongly linked with how transport functions. The choices made by the travelling population, pertaining to how one travels, by what means of transport, by which transfer routes etc., globally translate into negative impact for environment. In line with the European Union guidelines, minimisation of the negative impact cannot be pursued through mobility limiting, but rather through efficient natural resources utilisation. Based on the 15-min cities idea, right version of urban space management should include accessibility to all citizens needs in range of 15-minutes of travel by foot, by bike or other pro-ecological mean of transport. Special attention should be paid to the outskirts of cities. As part of the international project “SUMODO” (Spain, Poland, Hungary, financed on the Polish side by the National Centre for Research and Development) under the Driving Urban Transition Programme a tool is preparing to support both the process of fostering specific behaviour patterns among the travelers and local authorities in making decisions on the changes of urban space planning. Multimodal route planner serves multiple criteria (such as time, activity type and price limitations) for 11 transport modes. People who travel often do not consider alternative ways to reach a specific destination. The tool will help to change current travel habits by suggesting similar points of interest in 15-min areas or discover lacks of them as information for local authorities.

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