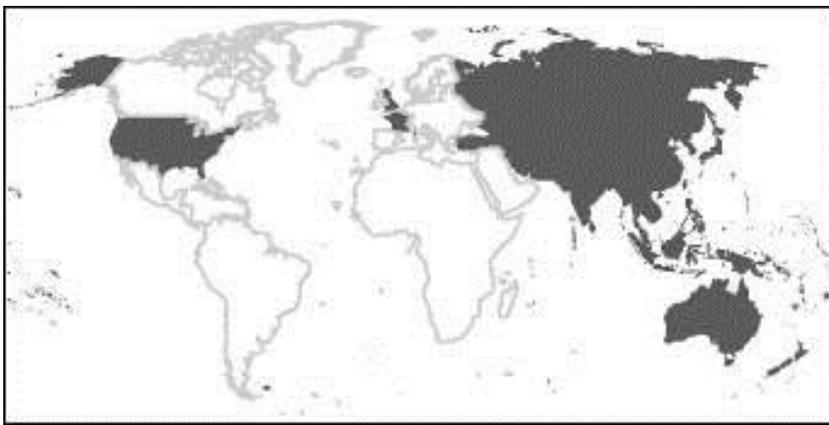


Monograph Series on Sustainable and Inclusive Transport

Assessment of Urban Transport Systems



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Executive Summary

This study report presents the process of development of the Sustainable Urban Transport Index (SUTI), a tool that can be used for assessment and evaluation of sustainable urban transport systems for cities in the Asia-Pacific region. The report explains and illustrates how such an index was developed and will be used in three steps.

Firstly, a conceptual framework was drafted based on existing literature and policies on sustainable development and transport, including the Sustainable Development Goals. The framework ensures that the index reflects topics that are important for measuring sustainable urban transport.

Secondly, indicators were identified, reviewed and selected for the index. This was based on a review of existing indicator reports and studies, the application of indicator selection criteria, and the review of a draft set of indicators the Expert Group Meeting on Planning and Development of Sustainable Urban Transportation Systems held in Kathmandu on 22-23 September 2016 which led to a consolidated concise list of ten indicators for the index. These indicators are described in detail with regards to relevance, definitions, measurement units, range of empirical values for normalization, and data sources.

The final step was to construct the index. This involved decisions on ways to normalize, weigh and calculate the elements of index. The index is calculated and illustrated using data for eight hypothetical cities partly molded over real cities.

The sustainable urban transport index with ten indicators describing key aspects of sustainable urban transport for Asian cities was developed for assessment of urban transport systems.

Finalized ten indicators of the sustainable urban transport index

Nos.	Indicators	Measurement units	Weights	Normalization	
				MIN	MAX
1	Extent to which transport plans cover public transport, intermodal facilities ++and infrastructure for active modes	0 - 16 scale	0.10	0	16
2	Modal share of active and public transport in commuting	Per cent of trips	0.10	10	90
3	Convenient access to public transport service	per cent of the population	0.10	20	100

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