

Concept of Sustainable Transport Development

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Sustainable Transportation within the Framework of Green Deal - SPHERE

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What Is Sustainable Transport?

Sustainable transport enables the movement of people and goods while reducing negative impacts on the environment, space and public health. It implies rational energy use, lower dependence on private cars, safer streets and better accessibility for all users.



Three Dimensions of Sustainability

The development of sustainable transport is based on three connected dimensions: environmental, social and economic. The environmental dimension refers to reduced emissions and energy use, the social dimension to equal access to mobility, and the economic dimension to efficient use of resources.



Why Must Transport Change?

Traditional transport development was often focused on increasing capacity for motorised traffic. Such an approach can lead to congestion, higher emissions, land consumption, noise and reduced quality of life. Therefore, transport planning is increasingly moving toward integrated and sustainable approaches.



Sustainable Transport and Quality of Life

Sustainable transport is not only a technical issue, but also a matter of quality of life. A well-planned system reduces travel time, improves safety, supports physical activity, improves access to education, work and services, and contributes to a healthier urban environment.



Active Modes of Travel

Walking and cycling form the basis of sustainable mobility for shorter distances. They produce no emissions, require less space, improve health and can significantly relieve urban streets when supported by safe and continuous infrastructure.



Public Transport as the Backbone

High-quality public transport enables a large number of trips with lower energy and space consumption per passenger. To compete with private cars, it must be reliable, accessible, frequent, comfortable and well connected with walking, cycling and parking infrastructure.



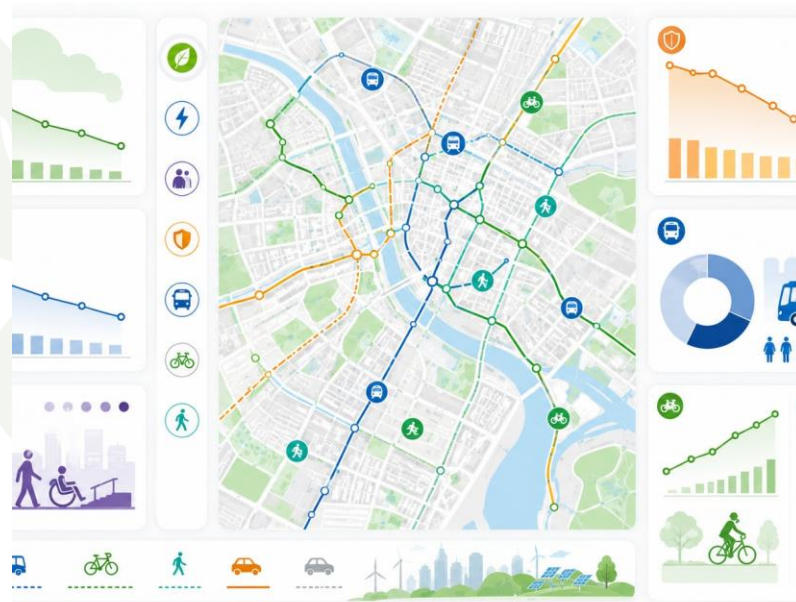
Role of Technology and Innovation

Digital technologies support sustainable transport through smart traffic management, passenger information, vehicle tracking, electric mobility and data analysis. Technology is not a goal in itself, but a tool for cleaner, safer and more efficient mobility.



Key Sustainability Indicators

Sustainable transport is monitored through indicators such as CO₂ emissions, energy consumption, public transport accessibility, the share of walking and cycling, traffic safety, air quality, noise and mobility costs for users and society.



THANK YOU FOR YOUR ATTENTION!