

AUSTRIAN TECHNOLOGY FOR SMART CITY TRAFFIC SOLUTIONS



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INDICATORS OF LIVEABLE CITIES





Economy

Innovation: to be attractive as a company location

Innovative financing models and business promotion

Strong trade

Liberal opening hours

Low unemployment rate

Culture

Festivals and events

Restaurant business

Art, culture and media

Society

Well established educational system

Child care facilities

Low criminality

Tolerance

Built environment

District development

Urban development and retrieval of public space based on democratic and participative principles

Architectonic diversity

People

Public Transport

Doctors and medical facilities

Internationaler air traffic

Environmental consciousness

Park areas and local recreation

Dwellings

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HOW TO MEASURE SUSTAINABILITY IN URBAN MOBILITY

The World Business Council on Sustainable Development (Geneva, Switzerland) offers consultancy on establishing and tracking sustainable mobility goals (please contact https://www.wbcsd.org) The WBCSD published 19+ indicators that may be used to establish a sustainability monitoring for urban mobility that can be subdivided into **four Domains**:

Public space

Clean Air and Carbon Emissions

Accessibility of the Mobility System

Accessibility of City Quarters

Some of the 19+ parameters are tackled here



PUBLIC SPACE





Access to mobility services

 Share of population with appropriate access to mobility services



Quality of public area

 Presence in the city of attractive areas such as pedestrian street or squares which facilitate social activities and encourage citizens' interaction



Mobility space usage

 Proportion of land use, taken by all city transport modes, including direct and indirect uses



Opportunity for active mobility

 Options and infrastructure for active mobility, which refers to the use of the soft modes, namely walking and cycling

PUBLIC SPACE





ACCESSIBILITY OF THE MOBILITY SYSTEM





Affordability of public transport for the poorest group

•Share of the public transport cost for fulfilling basic activities of the household budget for the poorest quartile of the population



Accessibility for mobilityimpaired groups

 The accessibility for deficiency groups to transport and transport services



Access to mobility services

 Share of population with appropriate access to mobility services.



Security

•Risk of crime in urban transport

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ACCESSIBILITY OF THE MOBILITY SYSTEM





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CLEAN AIR AND CARBON EMISSIONS





Air polluting emissions

 Air polluting emissions of all passenger and freight city transport modes



Noise hindrance

• Hindrance of population by noise generated through city transport.



Emissions of greenhouse gases (GHG)

 Well-to-wheels GHG emissions by all city passenger and freight transport modes

CLEAN AIR AND CARBON EMISSIONS





ACCESSIBILITY OF CITY QUARTERS





Commuting travel time

 Duration of commute to and from work or an educational establishment



Car friendliness of the city center

- number of parking spaces available per km2, parking tariff policy, existence of pedestrian zones or access restrictions
- (Additional Parameter)



Occupancy rate

- •compromise between energy efficiency, transport costs and comfort
- (Additional Parameter)

ACCESSIBILITY OF CITY QUARTERS







THANK YOU FOR YOUR ATTENTION!

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