

2020

Research Project Proposal

# KOSOVA URBAN SUSTAINABILITY INDEX

EVALUATION & RECOMANDATIONS



UBT – INSTITUTE FOR URBAN STUDIES

## KOSOVA URBAN SUSTAINABILITY INDEX

Urban Sustainability Indicators are tools that allow city planners, city managers and policymakers to measure the socio-economic and environmental impact of, for example, current urban designs, infrastructures, policies, waste disposal systems, pollution and access to services by citizens. They allow for the diagnosis of problems and pressures, and thus the identification of areas that would profit from being addressed through good governance and science-based responses. They also allow cities to monitor the success and impact of sustainability interventions.

This project aims to prepare a National Urban Sustainability Index for Kosovo, as well as to analyze and evaluate 12 cities in this context. *These cities (Prishtina, Mitrovica South, Mitrovica North, Ferizaj, Gjilan, Gjakova, Peja, Prizren, Vushtrria, Lipjan, Graçanica, Junik ) will be treated in context of 25 indicators, divided in 5 groups, namely "Basic Needs", "Built Environment", "Planning", "Environmental Cleanliness" and "Mobility".*

The evaluation process will be followed by intervention suggestions as well as preparing the guidelines and Action Plans for implementing related recommendations. All this process will last 15 months, while academics and professionals from UBT, ETH Zurich, TU Wien and Mimar Sinan Fine Arts University will be involved.

## Urban Indicators For Sustainable Cities

INDICATOR GROUP	INDICATOR
<b>BASIC NEEDS</b>	Water Access Rate
	Living Space
	Health Services (space per capita, coverage, doctor per capita)
	Education Services (space per capita, coverage, student per teacher rate)
<b>BUILT ENVIRONMENT</b>	Urban Density
	Land Use Ratio
	Public Services Infrastructure
	Public Space rate and accessibility
	Green Areas rate and accessibility
<b>PLANNING</b>	Vision and Strategy
	Public Participation
	Finance for Sustainability
	Personnel and Resources
	Monitoring, Evaluation and Review
<b>ENVIRONMENTAL CLEANLINESS</b>	Concentration of SO <sub>x</sub> , NO <sub>x</sub> , PM <sub>10</sub>
	Air Quality Rate
	Waste Recycling Rate
	Waste Water Treatment Rate
	Noise Pollution Rate
<b>BASIC INFRASTRUCTURES AND MOBILITY</b>	Basic Infrastructures
	Modal Split
	Public Transport Coverage, Speed and Usability
	Low Emissions Vehicles Rate
	Walking and Pedestrian Safety
	Cycling and Cyclists Safety

## Indicator Description

Through the **“Basic Needs”** indicators; Water Access Rate, Living Space per capita, Health Services (including health care area per capita, coverage of the healthcare services and infrastructure, doctors per capita rate) and Education Services (including education services are per capita, coverage of education services and infrastructure , student per teacher rate) will be measured and intervention priorities, strategies and action plans will be suggested.

Through the **“Built Environment”** indicators; Urban Density (number of inhabitants per square kilometer), Land Use Ratio (Land destination and its portion on overall land use), Public Services Infrastructure, Public Space Rate and Accessibility as well as Green Areas Rate and Accessibility will be measured and intervention priorities, strategies and action plans will be suggested.

Through the **“Planning”** indicators; Vision and Strategy (how the development strategies consider the sustainable development and how this approach reflects on related documents), Public Participation (if there is a passive or an active process of participation), Finance for Sustainability, Personnel and Resources (if there are enough financial, human and professional capacities to deal with sustainability and sustainable development issues), Monitoring, Evaluation and Review (if there is any monitoring of development strategies being implemented and how the feedbacks are taking place in the process of review) will be measured and intervention priorities, strategies and action plans will be suggested.

Through the **“Environmental Cleanliness”** indicators; Concentration of SO<sub>x</sub>, NO<sub>x</sub>, PM<sub>10</sub>, Air Quality Rate, Waste Recycling Rate, Waste Water Treatment Rate and Noise Pollution Rate will be measured and intervention priorities, strategies and action plans will be suggested.

Through the **“Basic Infrastructures and Mobility”** indicators; Basic Infrastructures, Modal Split (percentage of each transport modes in the overall modal split), Public Transport Coverage, Speed and Usability, Low Emissions Vehicles Rate (percentage of low emissions vehicles in the total number of vehicles participating in transport), Walking and Pedestrian Safety and Cycling and Cyclists Safety will be measured and intervention priorities, strategies and action plans will be suggested.

After the evaluation process, suggestion lists including guidelines, strategies and action plans for interventions will be prepared for each city separately. Municipalities involved in the project will be provided with these recommendations and action plans, and they will be synchronized with related development documents.

The implementation of recommendations and Action Plans will be monitored for first 2 years after being communicated.

## Involved Cities' Profile

<b>KOSOVA URBAN SUSTAINABILITY INDEX</b>				
<b>CITIES</b>	<b>AREA (km2)</b>	<b>POPULATION (2019)</b>	<b>DENSITY PER km2</b>	<b>SETTLEMENTS</b>
PRISHTINA	572	216,823	379	43
MITROVICA SOUTH	350	69,956	200	47
MITROVICA NORTH	11	12,117	1101	
FERIZAJ	345	105,403	305	46
GJILAN	385	79,382	206	64
GJAKOVA	587	95,475	163	86
PEJA	603	99,701	165	96
PRIZREN	284	194,331	684	77
VUSHTRRIA	344	64,123	186	68
LIPJAN	422	58,247	138	71
GRAÇANICA	131	12,139	93	17
JUNIK	86	6,398	74	4
<b>TOTAL</b>	<b>4,120</b>	<b>1,014,095</b>	<b>307 (appr.)</b>	<b>619</b>

## PROJECT IMPACT IN A NUTSHELL

- 4 universities (UBT, ETH Zurich, TU Wien, Mimar Sinan FAU) will be involved;
- 3 Planning Experts with proven experience will prepare the National Urban Sustainability Index for Kosovo;
- 15 young professionals will be employed;
- 12 cities of Kosova (Prishtina, Mitrovica South, Mitrovica North, Ferizaj, Gjilan, Gjakova, Peja, Prizren, Vushtrria, Lipjan, Graçanica, Junik) will be analysed and will be provided with the Index in question. All these cities together are home of 1 million inhabitants.
- 12 Reports, guidelines and intervention suggestions will be prepared for 12 Kosova cities;
- 12 Action Plans, for implementing the recommendations will be prepared;
- Municipalities involved in the project will be advised on fund-raising process for the implementation of recommendations and Action Plans;
- The implementation of Recommendations and Action Plans will be monitored for first 2 years after being communicated.