CITYZEN INDEX AS EFFECTIVE INSTRUMENT FOR SUSTAINABLE DEVELOPMENT OF REGIONS AND CITIES

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UN SUSTAINABLE DEVELOPMENT GOALS INDEX - SDG INDEX

SDG Index 2018
1 Sweden
2 Denmark
3 Finland
6 Norway
10 Iceland
63 Russian Federation
National Projects of the Russian Federation:

- Healthcare
- Education
- Demographics
- Culture
- Safe and High-Quality Roads
- Housing and Urban Environment
- Ecology

- Science
- Small and Medium Businesses and Support for Business Initiatives
- Digital Economy
- Labor Productivity and Supporting Employment
- International Cooperation and Export
- Comprehensive Plan for the Modernization and Updating of the Main Infrastructure
Implementing the 2030 Agenda: National Projects for Sustainable Development of the Cities and Regions of Russia

INTERNATIONAL CONFERENCE “New urban mobility development prospects: how to ensure safety, efficiency and multimodality”

PANEL DISCUSSION “The 2030 Global Agenda: how to make people in cities happy”

PANEL DISCUSSION “Green infrastructure as a tool for sustainable urban development”
PANEL DISCUSSION “Monitoring National and Global Sustainable Development Goals: international experience and Russian practice”
ROUND TABLE “Strategies, best cluster practices and tools for transition to a circular economy for sustainable urban development”
YOUTH PLATFORM “Sustainable world: leaders of the future”
The pursuit of happiness is an inherent desire of every person on the planet. How to make cities comfortable, accessible, environmentally friendly and attractive to live – the challenges big cities and small towns face all over the world. Still, the main question remains:

What should be the city where the happiest people live?
CityZen Index – city ranking, developed by international team of Green Mobility experts, is based on the methodology that links the research results concerning subjective evaluation of urban life with objective determinants of the quality of urban life.

Child- and senior-friendly urban environment has become an important indicator, being a determining factor for the cities of the future.
CityZen Index contains basic indicators of safe, comfortable, attractive and healthy city, and aims to identify how residents are satisfied with urban life and urban development.

CityZen Index uses world’s best practices in evaluating urban environment, sustainable mobility and safety.
ROAD SAFETY

The group “Road Safety” shows the degree of safety of movement around the city. The basic principle is to prevent road accident fatalities. This is also called a Zero-Tolerance principle.

Statistical and geolocation data

Road accidents
• Road traffic deaths (per 100,000 population)
• Road traffic injuries (per 100,000 population)
• Children road traffic injuries (per 100,000 population)
• Children road traffic deaths (per 100,000 population)

Residents opinion

Safety on the streets satisfaction
• Feeling safe on the streets in the dark
• Separation between pedestrians and transport, good lighting, public establishments around

Satisfaction with a safe urban environment for children
• Feeling safe for a child on the streets
• Special crossings and speed limits on the roads in the vicinity of childcare facilities

Transport safety satisfaction
• Private transport
• Public transport
• Bicycle
SUSTAINABLE MOBILITY

Sustainable urban mobility implies a shift from traditional pattern of car-oriented cities towards a model based on public transport and eco-friendly modes of transport. Sustainable mobility is characterized by the comfort of all transport modes and therefore contributes to free and easy access of residents to places of work, study and basic services. This is a good tool for solving challenges related to improving the quality of life and environmental protection.

Statistical and geolocation data

Public and private transport efficiency
- Traffic congestion: travel times during peak hours compared to off-peak hours
- Traffic speed: average flow rate on open roads

Affordability of public and private transport
- Money spent on public transportation per month
- Money spent on private transport per month

Residents opinion

Public transport satisfaction
- Public transport index (24 indicators)

Cycling infrastructure satisfaction
- Cycling infrastructure index (16 indicators)

Road infrastructure satisfaction
- Road infrastructure index (16 indicators)
What does it mean to be a livable city? It means being safe, with clean water and air, cozy courtyards and green parks, with its facilities and services accessible to everyone, regardless of social status and physical abilities. Now residents have become more demanding on the quality of urban environment. There is a growing demand for green neighborhoods and energy-efficient homes, safe walking and cycling paths, as well as well-equipped public spaces.

**Statistical and geolocation data**

- **Urban Air Quality Index (AQI)**
  - Main pollutants (PM 2.5, PM10, carbon monoxide, sulfur dioxide, nitrogen dioxide and ground-level ozone)
- **Natural population change**
  - Urban mortality rate
  - Urban birth-death ratio

**Residents opinion**

- **Satisfaction with physical environment and quality of life in the city**
  - Urban residents happiness index (11 indicators)
- **Satisfaction with urban beautification**
  - Beautification index (10 indicators)
- **Child-friendly urban environment satisfaction**
  - Child-friendly urban environment index (12 indicators)
CITY RANKING  CityZen Index

PSKOV  51.31%
- ROAD SAFETY (33%)  14.35%
- SUSTAINABLE MOBILITY (33%)  17.12%
- URBAN ENVIRONMENT (33%)  19.85%

IRKUTSK  49.75%
- ROAD SAFETY (33%)  16.05%
- SUSTAINABLE MOBILITY (33%)  14.54%
- URBAN ENVIRONMENT (33%)  19.16%
CityZen Index: DATA

CityZen Index is based on open-source data and the survey results among residents of cities and regions of Russia “Green Mobility – towards Clean, Healthy and Accessible Environment”

http://mobility.leontief-centre.ru/vote.html
CityZen Index: DATA

- Structured qualitative and quantitative data
- Unstructured qualitative data
- The potential of Big Data
- Computer-assisted web interviewing (CAWI)
- Covers all regions of the country
CityZen Index: DATA SETS

- Geographical data (region, city, address)
- Social indicators (gender, age, social status, wealth status)
- Intra-urban human mobility data (daily mobility route)
- Urban development data (Quality of pedestrian infrastructure and beautification, satisfaction with urban life, child-friendly urban environment)
- Transport development data (Satisfaction with the quality and infrastructure of public transport, road transport and cycling)
The CityZen Index data can be used to:
- analyze the current state of urban environment’s safety, comfort and sustainability
- determine the effectiveness of the policies to improve the quality of urban life
- hear the opinion of urban residents on the quality of infrastructure and services provided
- identify the main obstacles to sustainable urban development and possible solutions
- determine the potential for further growth and improved competitiveness
- develop / update urban development documents
- track urban development changes over annual ranking
BE HAPPY!!!

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