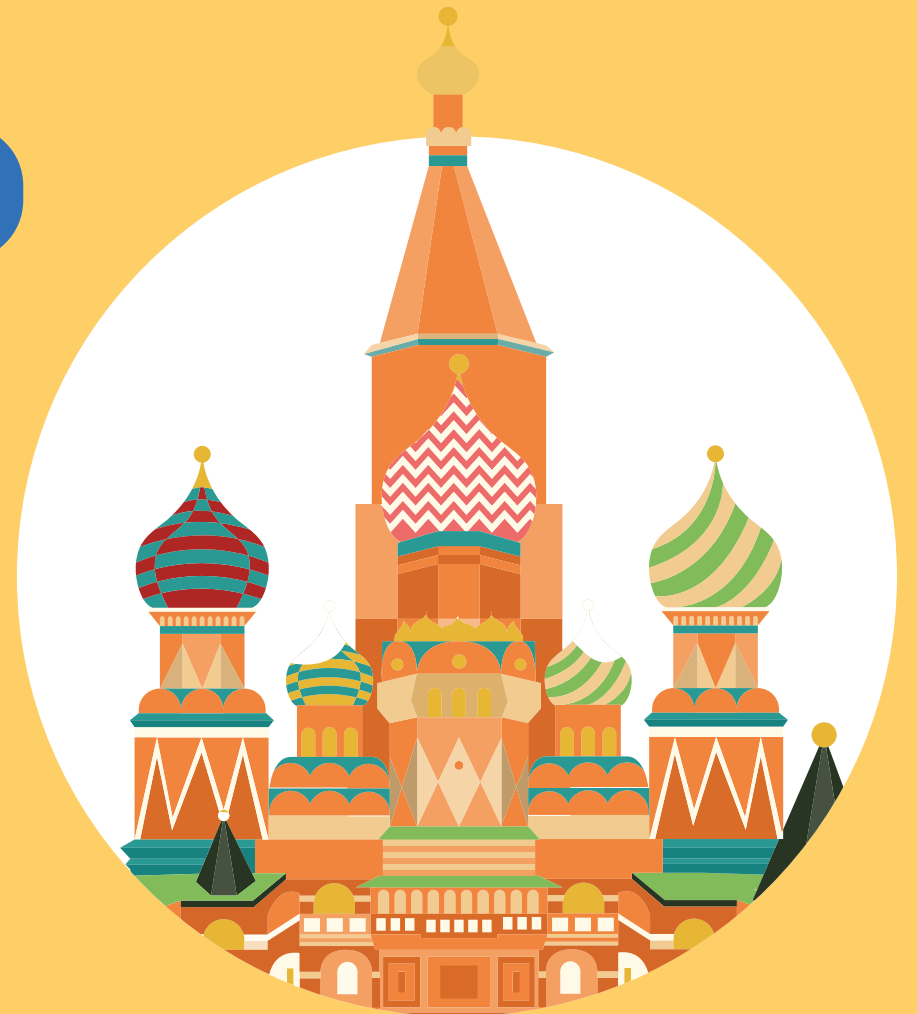# Moscow Case Study

Joint project of Moscow and ITU

IMPLEMENTING ITU-T
INTERNATIONAL STANDARDS
TO SHAPE SMART
SUSTAINABLE CITIES

Why we start

DIT

Objectives

· The estimation of the current status of Moscow as a Smart City

· The identification of current weaknesses in Moscow's smart strategy for the benefit of future planning

· The identification of new directions for Smart City development based on expert opinions

· Determining the most efficient way to share best practices in the Smart City area

Expected results

· To summarize all the Moscow activities

· To highlight opportunities for improvement

· To provide suggestions for aspiring smart sustainable cities

· To review the suitability of the current KPIs for Moscow

· To offer feedback to help refine the U4SSC KPIs

Target audience:

Moscow citizens

· Moscow Government

· The Federal Government of Russia

· ICT Ministries of CIS countries

· Governments of other cities in Russia, CIS and around the world

Non-profit organizations in the Smart City area

Timeline

DIT

FEBRUARY – JUNE	JULY	AUGUST – NOVEMBER
Collection of data	**Onsite validation and verification**	**Preparation of the Case study**

Data providers

17
Moscow city government agencies

10
Subordinate organizations

Provided data

97%
Current, real-time or primary data

98%
City (regional) level data

94%
Accurate measured KPIs

76/91
KPIs verified

Details

· 16 in-person interviews with staff and management at the various entities in Moscow

· In-person review of the submitted KPI data

· Review of the data presented prior to the on-site assessment

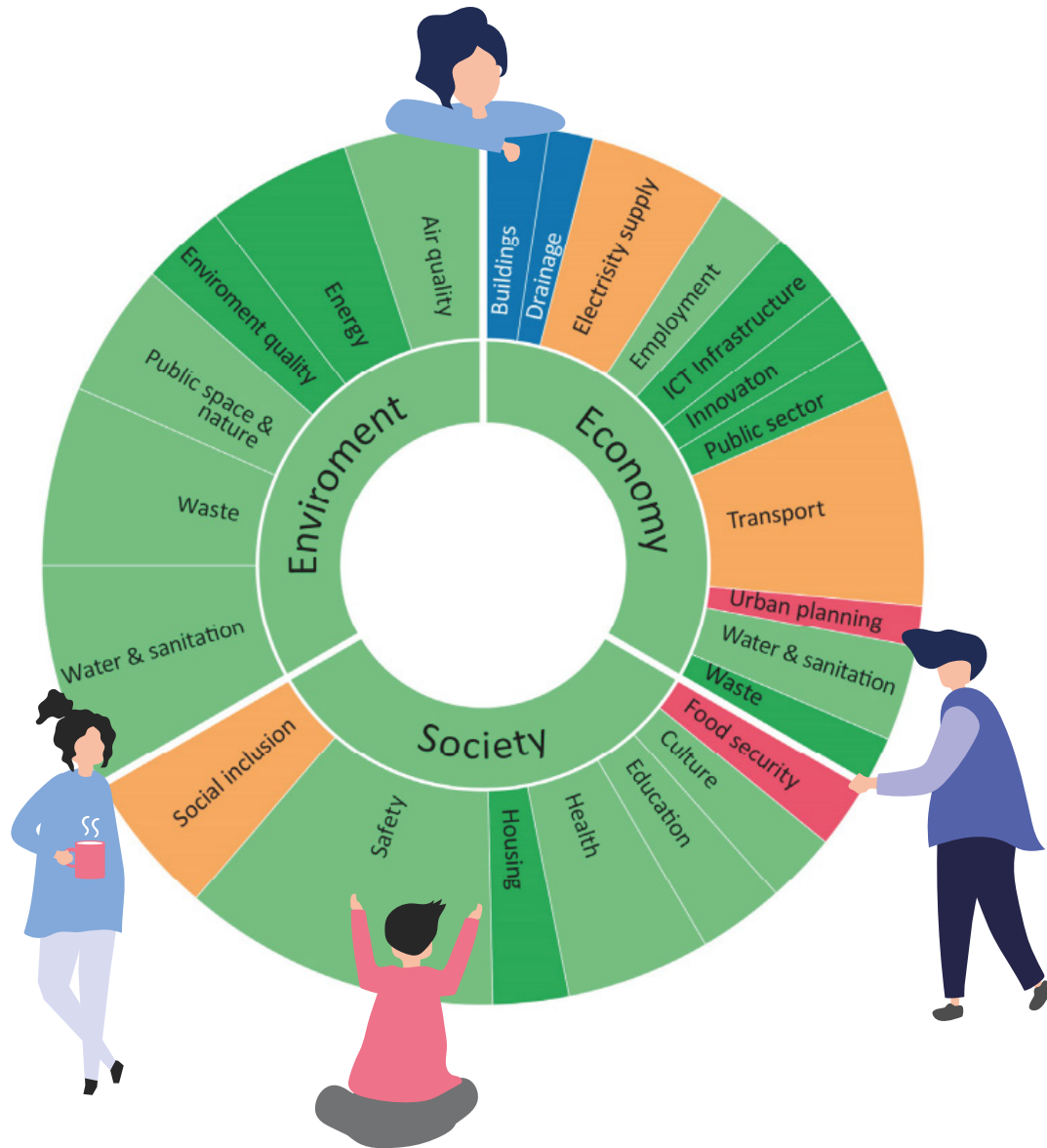· Review of the underlying data sources

Final product

· Publication on ITU website

· Publication on mos.ru (full and a brief version)

U4SSC KPIs visualization

1. The KPIs fit into the current Information City and future Smart Moscow 2030 strategy frameworks

2. The KPIs will be used to measure the progress of individual initiatives and Moscow in general

Fulfillment of target

- 95 to 100%
- 66 to 95%
- 33 to 66%
- less than 33%
- no target value available or no value

Sunburst chart labels

Environment: Air quality, Energy, Enviroment quality, Public space & nature, Waste, Water & sanitation

Economy: Buildings, Drainage, Electricity supply, Employment, ICT Infrastructure, Innovaton, Public sector, Transport

Society: Urban planning, Water & sanitation, Waste, Food security, Culture, Education, Health, Housing, Safety, Social inclusion

DIT

Moscow's performance: examples of findings

Economy

1. Large public Wi-Fi network

2. Almost 100% 3G and 4G coverage

3. Supporting small and medium-sized businesses

4. Development of cybersecurity of citizens' data

5. Using blockchain, artificial intelligence, and multifactor authentication

6. The level of monitoring of the road network and public transport ICT is 100%

7. Urban redevelopment projects

Environment

1. Renovation program

2. The development of cycling infrastructure

3. Accessible green space

Society and culture

1. Efficiency of Moscow Electronic School

2. The combination of monitoring system and systems of electronic interaction with citizens

DIT

Moscow's performance: examples of suggestions

DIT

Economy

1. To explore alternatives, such as using existing private networks to extend the public Wi-Fi network

Environment

1. To continue the development of cycling infrastructure
2. To develop a strategy for responding to climate change
3. To monitor and report greenhouse gas emissions and noise levels
4. To increase recycling of solid waste

Society and culture

1. To increase the participation rate of voters
2. To implement policies and initiatives aimed to reducing the gender gap

FOR OTHER ASPIRING SMART SUSTAINABLE CITIES

1. To protect the data of citizens and limit the number of persons to whom it is available
2. To promote regular dialogue between citizens, businesses and cities
3. Integrating the digital strategy

1. To implement urban planning strategies that focus on walkable communities, increasing public and private spaces, and mandating smart and sustainable buildings.

1. To introduce compulsory e-learning systems and develop partnerships
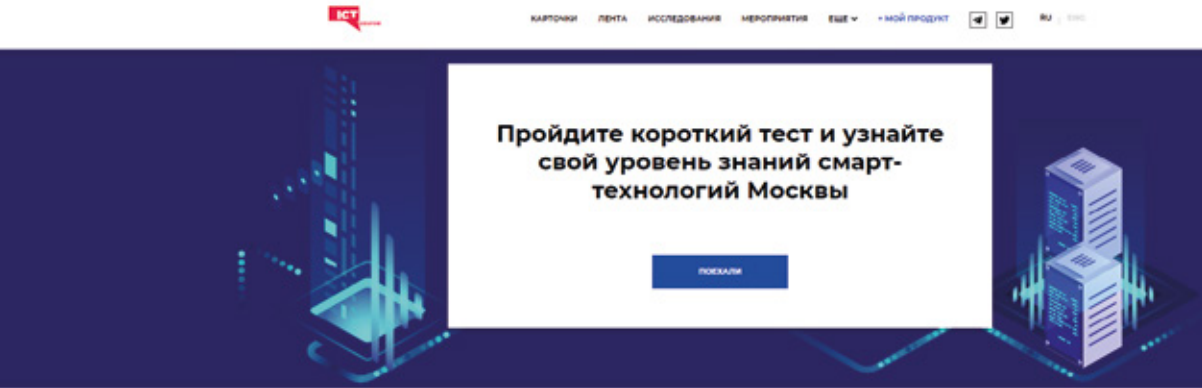2. To use a holistic approach in the development and implementation of various electronic systems

Continuation: ICT.Moscow special project

WEB-PAGE OF PROJECT HAD TWO MAIN PARTS:

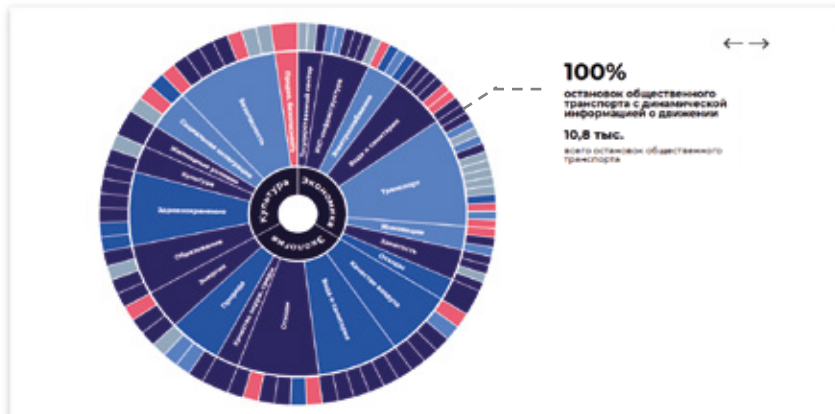- Test for the level of smart city knowledge
- KPIs visualization

Every visitor can download a data

47% Right answers

Dec Date of release

22 Initial dataset downloads

1300 Scope of participants

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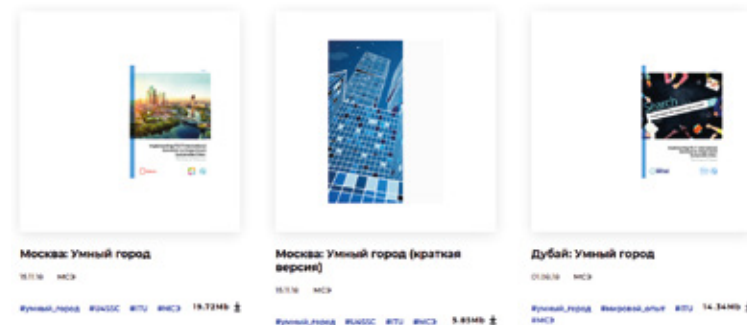
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