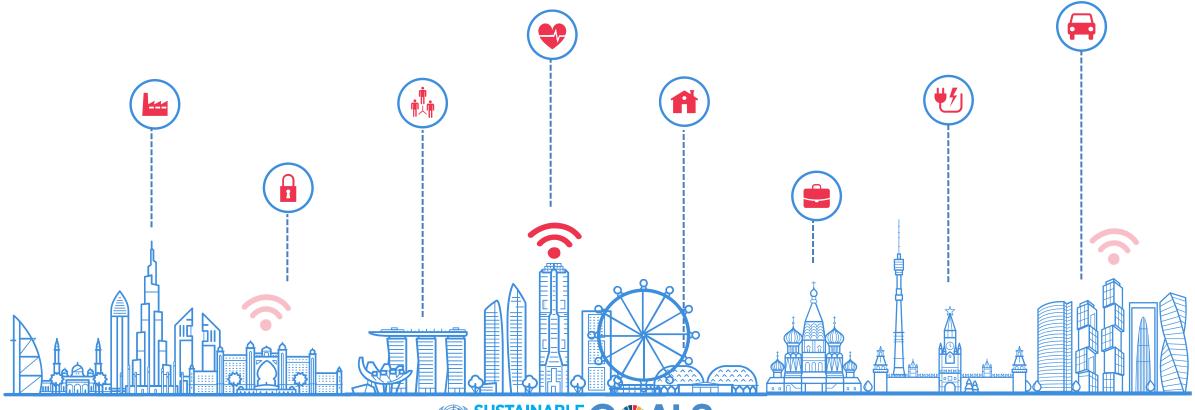




We live in a world of cities, and our planet is increasingly urban. By 2050, more than 70% of the world's population will live in cities. Cities are the new engines of growth in the global economy, responsible for 80% of global GDP.



# What is ITU doing to help cities to become smarter, more sustainable & achieve the SDGs?







# ITU-T Activities on IoT & **Smart Sustainable Cities**



Development and implementation of standards

ITU-T Study Group 20

Research & pre-standardization work

Focus Group on Data Processing Management (FG-DPM)

Projects, Open platform for knowledge sharing and raising awareness

U4SSC **KPIs for SSC** Worldwide & regional events



### ITU-T SG20: IoT and Smart Cities & Communities

### **Lead Study Group on:**

- Internet of things (IoT) and its applications
- Smart cities and communities, including its e-services and smart services
- Internet of things identification

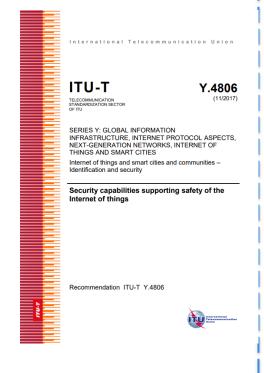
## **Regional Groups:**

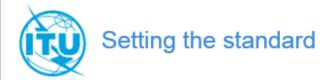
- SG20RG-LATAM
- SG20RG-ARB
- SG20RG-AFR
- SG20RG-EECAT

#### **Examples of standards**

■ ITU-T Recommendation Y.4200 (02/2018) on "Requirements for the interoperability of smart city platforms"

ITU-T Recommendation Y.4806 (11/2017) on "Security capabilities supporting safety of the Internet of things"





# Strengthening Regional & International Collaboration and Cooperation

#### JCA-IoT and SC&C

- Collaboration and coordination with other SDOs on topics on IoT and SC&C
- IoT and SC&C online standards roadmap

#### **SDOs collaboration**









and many more...

# **United Nations collaboration**





## United for Smart Sustainable Cities





U4SSC is a **United Nations Initiative** to achieve Sustainable Development Goal 11: "Make cities and human settlements inclusive, safe, resilient and sustainable.

#### Supported by:



Convention on Biological Diversity



































# Key performance indicators for SSC



The U4SSC developed a set of KPIs for SSC:

- to establish the criteria to evaluate ICT's contributions in making cities smarter and more sustainable, and
- to provide cities with the means for self-assessments in order to achieve the sustainable development goals (SDGs).



































# U4SSC KPIs advantages

- The first and only International Standard supported by
  16 United Nations Agencies and Programmes;
- Policy tool;
- General screening of the city that allows to identify the areas of improvement and give cities the opportunity to assess its own progress;
- Allows cities to develop better strategies for the management of the city;
- Provide cities with the possibility to compare itself with other cities allowing an International Collaboration;
- Help cities to achieve the Sustainable Development Goals.



# Case Studies on the Implementation of KPIs for SSC



The Case of Dubai



The Case of Singapore

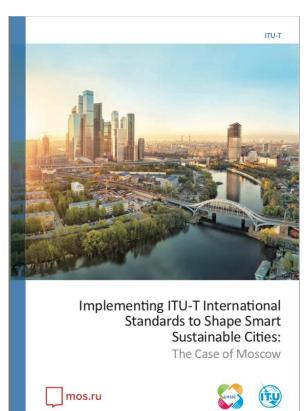


The Case of Moscow

Visit: <a href="http://www.itu.int/go/ITU-T-SSC">http://www.itu.int/go/ITU-T-SSC</a>

### Implementing ITU-T International Standards to Shape Smart Sustainable Cities: The Case of Moscow

- This latest case study traces Moscow's journey in implementing the Key Performance Indicators (KPIs) for Smart Sustainable Cities developed by U4SSC.
- The publication features the followings:
  - It highlights the impacts and achievements of Moscow's smart initiatives in areas such as e-services, e-governance, smart transportation, smart buildings, and many more.
  - It uniquely coordinates the results of the project to demonstrate Moscow's progress in reaching the different United Nations' Sustainable Development Goals (SDGs).
- The case study is available to download, free of charge, at the link below:
  - https://www.itu.int/en/ITU-T/climatechange/Pages/publications.aspx







## **U4SSC Publications**









Available for free on the U4SSC website:

http://itu.int/go/U4SSC



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