

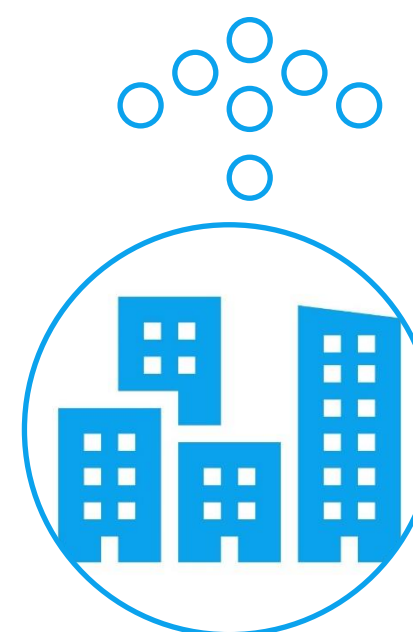


ITU
**empowering
smart sustainable
cities worldwide**

ITU at a glance



ITU:
International Telecommunication Union
– the UN specialized agency for ICTs



U4SSC:
the United for Smart
Sustainable Cities initiative



ITU-T Study Group 20:
the ITU study group on IoT and
Smart Cities and Communities



Facilitating smart cities & communities: ITU-T Study Group 20

Lead Study Group on

Internet of Things and its applications

Smart cities and communities

IoT Identification

Q1/20 End to end connectivity, networks, interoperability, infrastructures and Big Data aspects related to IoT and SC&C

Q2/20 Requirements, capabilities, and use cases across verticals

Q3/20 Architectures, management, protocols and Quality of Service

Q4/20 e/Smart services, applications and supporting platforms

Q5/20 Research and emerging technologies, terminology and definitions

Q6/20 Security, privacy, trust and identification for IoT and SC&C

Q7/20 Evaluation and assessment of SC&C



ITU-T SG20 standards for smart sustainable transformation of cities



Interoperability



City leaders' guide



Master plan

Some
examples:



Helping cities achieve sustainability goals: the global U4SSC initiative



United for Smart Sustainable Cities



Supporting the full SSC spectrum: the U4SSC thematic groups



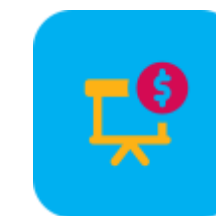
City Platforms



Economic recovery in cities and urban resilience building in the time of COVID-19



Guiding principles for artificial intelligence in cities



Guidelines on tools and mechanisms to finance SSC projects



Practitioner guide to measure SC&C



Practitioner guide to monitor SC&C



Procurement Guidelines for Smart Sustainable Cities



Simple ways to be smart



U4SSC Index

Measuring cities' sustainability success: the U4SSC KPIs for SSCs

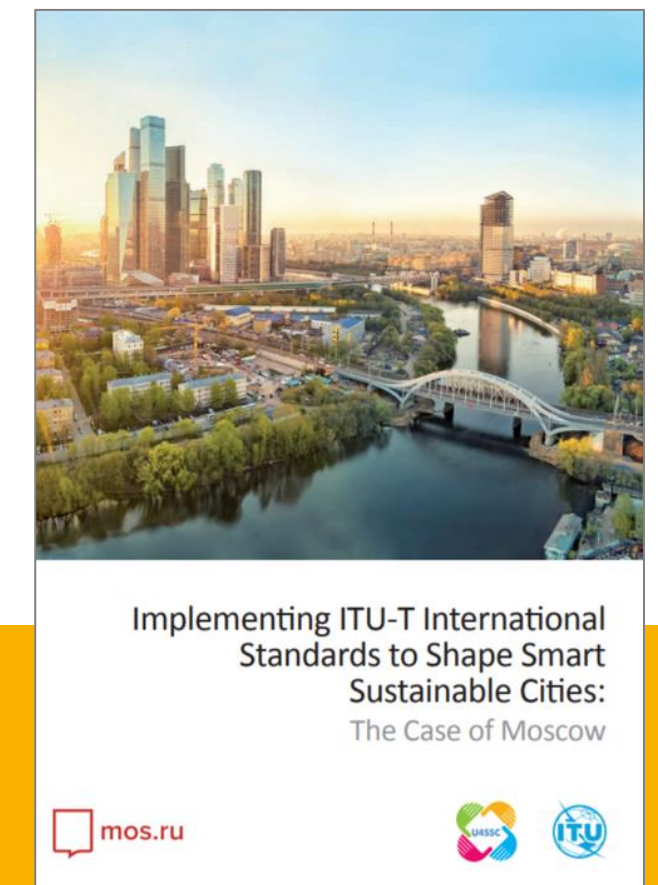
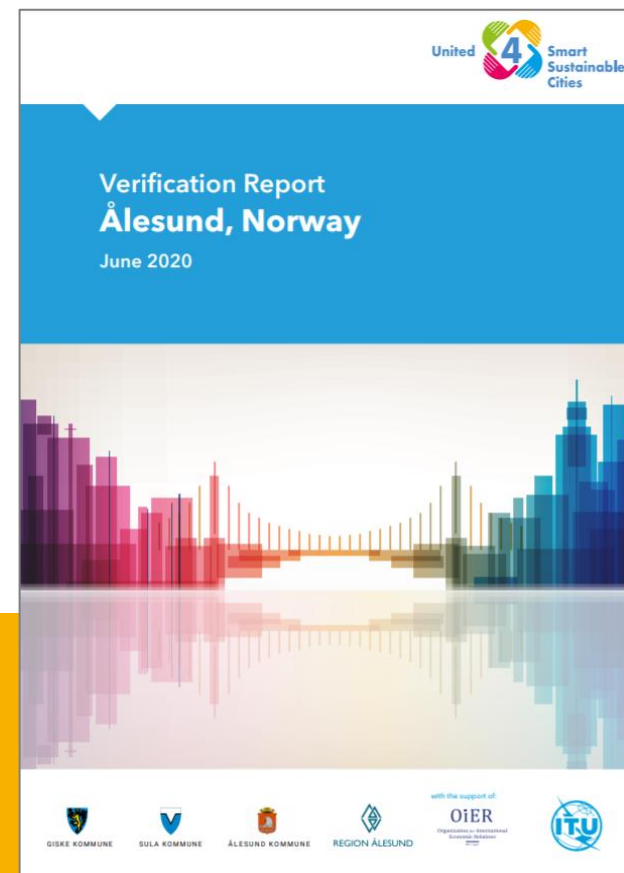
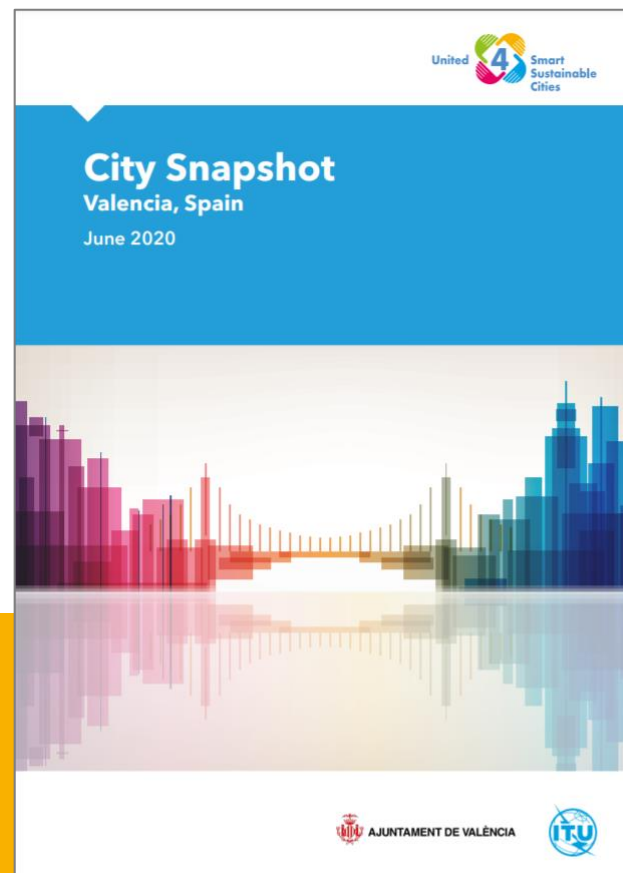


Currently adopted by:

- 🏙️ Dubai
- 🏙️ Singapore
- 🏙️ Moscow
- 🏙️ Riyadh
- 🏙️ Valencia
- 🏙️ Bizerte

- 🏙️ Pully
- 🏙️ Krimpen aan den IJssel
- 🏙️ Several Norwegian cities like Ålesund, Bodø, Kristiansund, etc.
- 🏙️ and **100+ more cities!**

ITU's implementation of the U4SSC KPIs



City Snapshots

Provide a visual overview of a city's U4SSC KPIs performance based on global benchmarks.

Verification Reports

Summarize the conclusions of a city's U4SSC KPIs project.


Factsheets

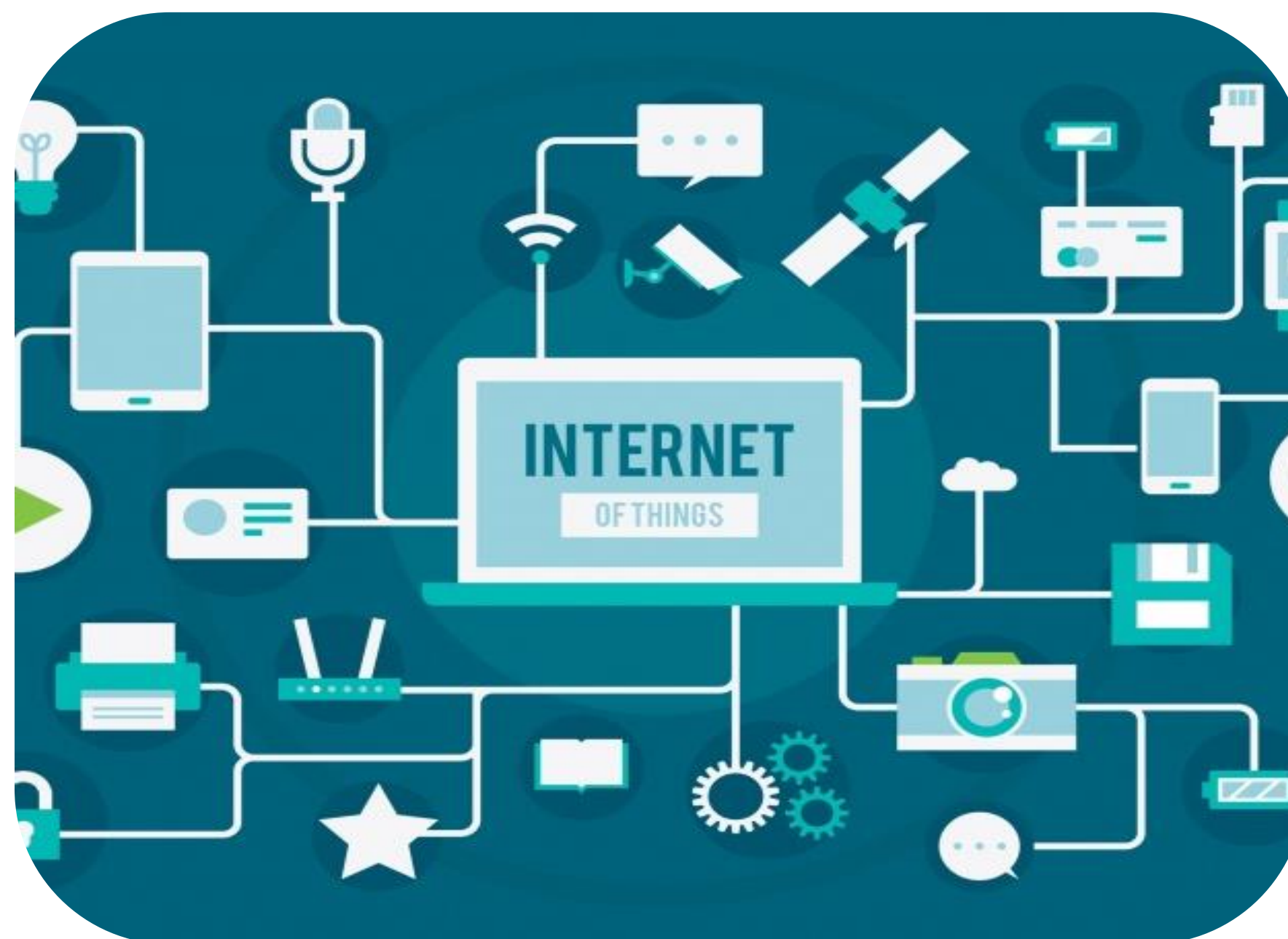
Elaborate and analyze the results of a city's U4SSC KPIs project.

Case Studies

Detail a city's journey towards successfully becoming a Smart Sustainable City.

Further collaboration: ITU and U4SSC

 INTERNATIONAL TELECOMMUNICATION UNION TELECOMMUNICATION STANDARDIZATION SECTOR STUDY PERIOD 2017-2020		SG20-LS163 STUDY GROUP 20 Original: English
Question(s):	5/20	Virtual, 6-16 July 2020
Ref.: SG20-1790-R1		
Source:	ITU-T Study Group 20	
Title:	LS on Impact of IoT and Sensing Technologies	
LIAISON STATEMENT		
For action to:	U4SSC	
For comment to:	-	
For information to:	ITU-D	
Approval:	ITU-T Study Group 20 meeting (Virtual, 16 July 2020)	
Deadline:	N/A	
Contact:	Sébastien Ziegler Mandat International	Tel: +41 79 750 53 83 E-mail: ziegler@mandint.org
Keywords:	Impact, Sensing Technologies, IoT, cities	
Abstract:	This liaison statement informs U4SSC about the use of the U4SSC content contained in C797 and invites U4SSC to present its work.	
<p>ITU-T Study Group 20 received Contribution C797 and C798 on the impact of sensing technologies and Internet of Things in cities. This Contribution contains information that has been discussed within the U4SSC.</p> <p>For this reason, ITU-T SG20 would like to inform U4SSC that ITU-T SG20 will use the content contained in C798 to develop a possible publication in ITU-T SG20.</p> <p>ITU-T SG20 would like to take the opportunity to invite U4SSC to present its work to the next ITU-T SG20 meeting.</p> <p>ITU-T SG20 is looking forward to collaborating with U4SSC.</p>		



ITU's global portal on Environment & SSCs

Smart sustainable cities

Frontier technologies

**E-waste and
circular economy**

Climate Actions

Energy efficient ICTs

**ITU IoT and SC&C
Standards Roadmap**



A global resource for policy-makers, regulators, academia and cities

ITU's upcoming event on SSCs

ITU Webinar Smart sustainable cities and frontier technologies in Latin America

8 December 2020
15:00 - 17:00 hours, Geneva Time



ITU's activities: in conclusion



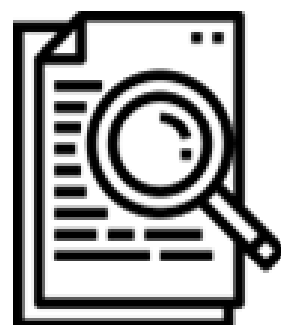
Standardization

Example:
through ITU-T Study Group 20 on 'IoT and Smart Cities and Communities'



Awareness-Raising

Example:
through organization of international events such as the annual Green Standards Week



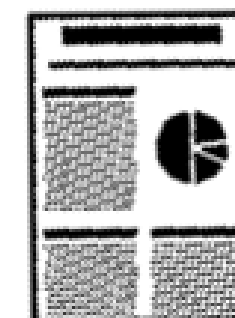
Research

Example:
through its global community of ICT experts from universities and research institutes



Projects and Collaboration

Example:
through the U4SSC Implementation Programme



Publications

Example:
through key reports on SSCs such as on 'Frontier technologies to protect the environment & tackle climate change'



Networking and Partnerships

Example:
through its joint work with other standards developing organizations

Thank you!

Questions? Interested in learning more?
Let us know!



Email

u4ssc@itu.int



Website

www.itu.int/en/ITU-T/ssc/