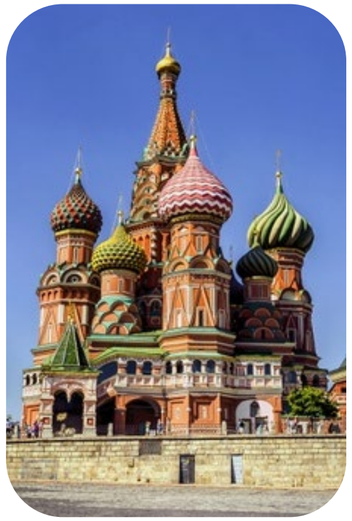
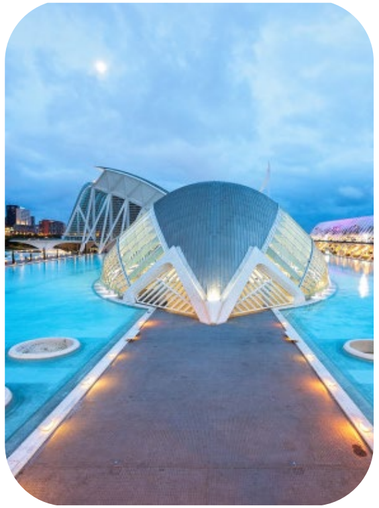




ITU

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

U4SSC

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

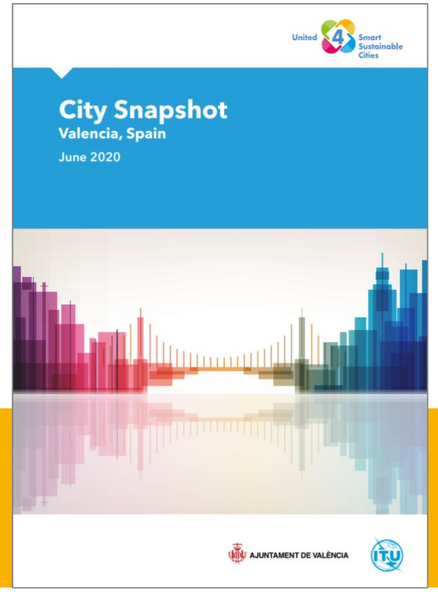
U4SSC Index

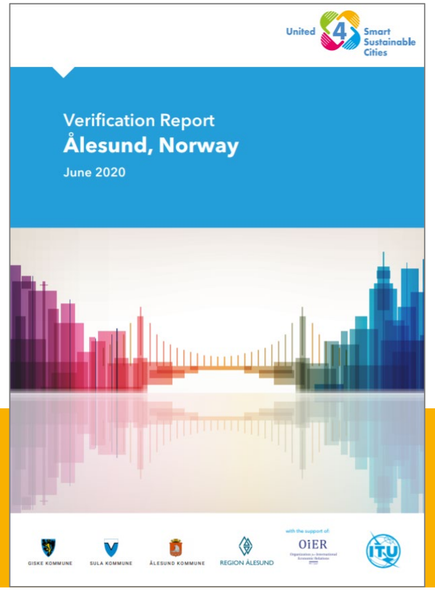
Measuring cities' sustainability success: the U4SSC KPIs for SSCs

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: sziegler@mandint.org

Keywords: Impact, Sensing Technologies, IoT, cities

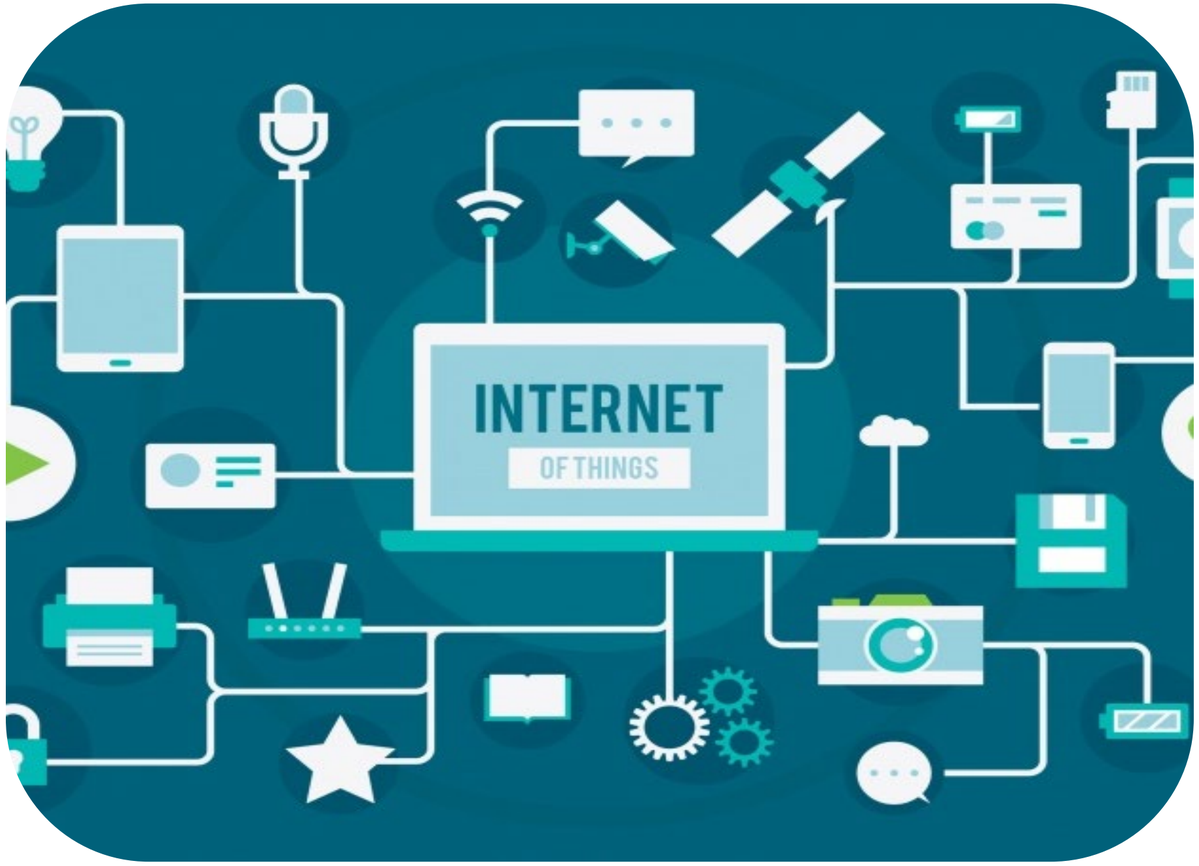
Abstract: This liaison statement informs U4SSC about the use of the U4SSC content contained in C797 and invites U4SSC to present its work.

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.

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.

ITU-T SG20 would like to take the opportunity to invite U4SSC to present its work to the next ITU-T SG20 meeting.

ITU-T SG20 is looking forward to collaborating with U4SSC.



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

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

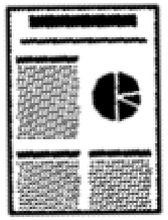
Example:
through organization of international events such as the annual Green Standards Week

Research

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

Projects and Collaboration

Example:
though 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/