



# ITU IoT and Smart Sustainable Cities and Communities Initiatives

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**SG20**

# ITU-T Groups working 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)**



**Resolution 98**  
Enhancing the standardization of IoT and Smart Cities and Communities for global development

*IoT4SDGs: Considers the importance of IoT to contribute to achieving the 2030 Agenda for Sustainable Development.*



Open platform for knowledge sharing & Forward looking research

United for Smart Sustainable Cities (U4SSC)



# ITU-T Study Group 20: Internet of things (IoT) and smart cities and communities (SC&C)

## Lead study group on

Responsible for studies relating to IoT and its applications, and smart cities and communities (SC&C).

It includes studies relating to Big data aspects of IoT and SC&C, e-services and smart services for SC&C

Internet of things (IoT) and its applications

Smart Cities and Communities (SC&C), including its e-services and smart services

IoT identification



**Last meeting: 4-15 September 2017**

**2 Working Parties**

**7 Questions**

**4 Regional Groups**

**Over 100 International experts**

# ITU-T SG20 Structure

<b>WP1/20</b>	<b>Questions</b>
<a href="#"><u>Q1/20</u></a>	End to end connectivity, networks, interoperability, infrastructures and Big Data aspects related to IoT and SC&C
<a href="#"><u>Q2/20</u></a>	Requirements, capabilities, and use cases across verticals
<a href="#"><u>Q3/20</u></a>	Architectures, management, protocols and Quality of Service
<a href="#"><u>Q4/20</u></a>	e/Smart services, applications and supporting platforms
<b>WP2/20</b>	
<a href="#"><u>Q5/20</u></a>	Research and emerging technologies, terminology and definitions
<a href="#"><u>Q6/20</u></a>	Security, privacy, trust and identification
<a href="#"><u>Q7/20</u></a>	Evaluation and assessment of Smart Sustainable Cities and Communities

# ITU-T SG20 meeting schedules in 2018

**WP1/20 Rapporteur Group Meeting and WP1 Plenary (15-23 Jan. 2018, Geneva) collocated with oneM2M TP (15-19 Jan. 2018)  
- Transposition of oneM2M spec.**

**ITU-T SG20 Meeting (6-16 May 2018, Cairo, Egypt)**

**ITU-T SG20 Meeting (3-13 December 2018, Wuxi, China)**



# ITU-T SG20 Regional Groups

A world map with a blue background and white outlines of continents. Four callout boxes with white text and blue backgrounds are positioned over different regions: Latin America, Africa, Arab Region, and Eastern Europe/Central Asia/Transcaucasia. The callouts are connected to the map by thin white lines.

**SG20 RG-LATAM - ITU-T SG20 Regional Group for the Latin American Region**

**SG20 RG-EECAT - ITU-T SG20 Regional Group for Eastern Europe, Central Asia and Transcaucasia**

**SG20 RG-ARB - ITU-T SG20 Regional Group for the Arab Region**

**SG20 RG-AFR - ITU-T SG20 Regional Group for the Africa Region**



# Focus Group on Data Processing and Management to support IoT and Smart Cities & Communities (FG-DPM)

## 5 Working Groups



### Key priorities:

To propose mechanisms , frameworks and guidelines for supporting the security, privacy and interoperability of datasets and data-management systems within the IoT and smart city domain.

**Second meeting:**  
Geneva, 20-25 October 2017



# JCA – IoT and SC&C



- To co-ordinate the activity on IoT & SCC across ITU-T Study Groups and to coordinate with ITU-R and ITU-D.
- To provide a visible contact point IoT and SC&C activities in ITU-T, to seek co-operation from external bodies working in the field of IoT & SCC and enable effective two-way communication with these bodies.
- Maintenance of a list of cross-SDO IoT & SCC standardization items and associated roadmap.
- Last meeting took place on 7 September 2017
- Next meeting will be held in with SG20 meeting



## Co-Conveners:

- Hyoung Jun Kim (ETRI, Korea)
- Fabio Bigi (Italy)

## Secretariat:

Contact: [tsbjcaiot@itu.int](mailto:tsbjcaiot@itu.int)

**[D.2r16](#)** - IoT and SC&C standards roadmap  
([free download](#)) – **Send us your inputs!**










# United for Smart Sustainable Cities – (U4SSC)

11 SUSTAINABLE CITIES AND COMMUNITIES



U4SSC is a global platform for smart city stakeholders which advocates for public policy to encourage the use of ICTs to facilitate the transition to smart sustainable cities.

**JOIN us for the work on :**

-  Guidelines on tools and mechanisms to finance SSC projects
-  Guidelines on strategies for circular cities
-  City science application framework
-  Blockchain 4 cities
-  Guiding principles for artificial intelligence in cities



**Thank you**

**ITU-T, IoT and smart  
cities & communities**

<http://itu.int/go/tsg20>

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