

Internet of Things: the way to Smart Sustainable Cities



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ITU Activities on IoT & Smart Sustainable Cities



ITU-T Study Group 20:
Development and implementation
of international standards



U4SSC:
UN global platform for knowledge
sharing



FG-DPM:
Research & pre-standardization
work on data processing &
management

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.*

Towards IoT-enabled smart cities

WHAT TO DO?

Nurture 'Open Data' platforms that utilize 'Smart Data' as an asset in its own right

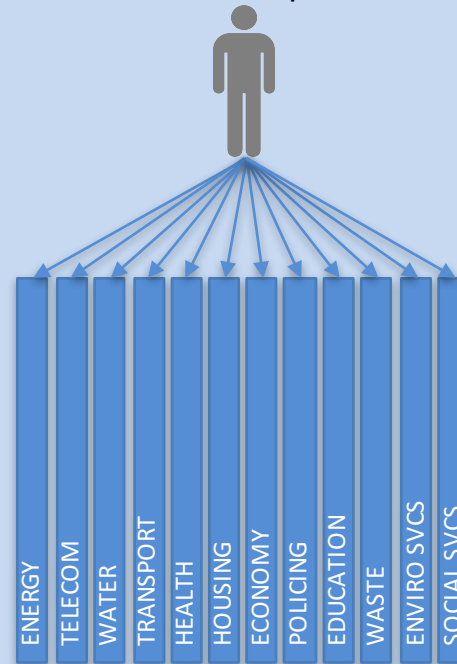
- *to create citizen-centric innovations*
- *driven & managed in collaboration by smart city stakeholders*

GUIDING PRINCIPLES

1. Visionary
2. Citizen-centric
3. Digital
4. Open
5. Collaborative

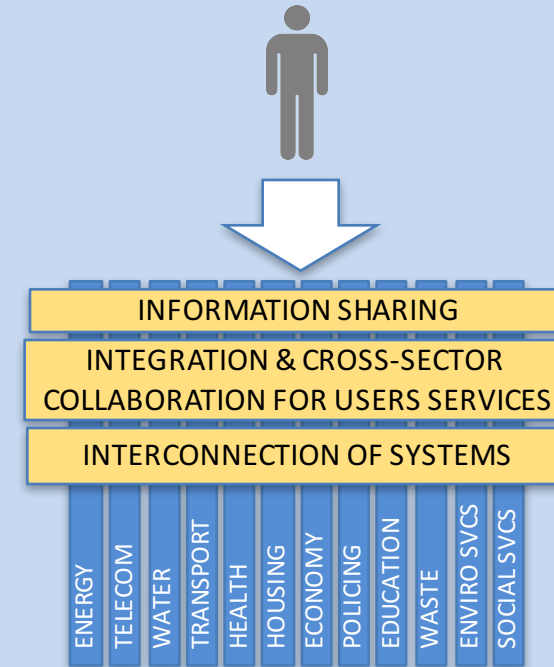
FROM

Closed & un-connected vertical silos of functionally-oriented service providers



TO

Innovative and collaborative new models that connect these vertical silos



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

Lead study group on

Internet of things (IoT) and its applications

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

IoT identification

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



Interim Physical/Virtual Rapporteur Meetings
17-28 July 2017, Geneva

Next Meeting: 4-15 September 2017



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



First meeting:
Geneva, 17-19 July 2017

▪ Objectives:

FG – DPM will promote the establishment of data management frameworks and will also:

- study trust in data management frameworks including digital identification and certification;
- investigate the role of emerging technologies to support data management and emerging trends including blockchain;
- identify challenges in the standardization activities for data processing and management.






▪ Deliverables to ITU-T SG20:

- Guide containing the required definitions of terminologies and taxonomy for data processing and management.
- Draft Technical Reports/Specifications to address DPM standardization gaps

United for Smart Sustainable Cities (U4SSC) – Second phase



U4SSC current work:

-  Data Taxonomy
-  Guides on tools and mechanisms to finance SSC projects
-  Guidelines on strategies for circular cities
-  Blockchain cities
-  City Science Application Framework

KPIs Project for Smart Sustainable Cities to Reach SDGs

More than 50 cities involved

Dubai

Montevideo

Singapore

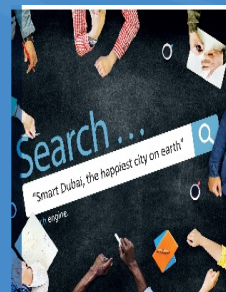
Manizales

Valencia

and many others...

Buenos Aires

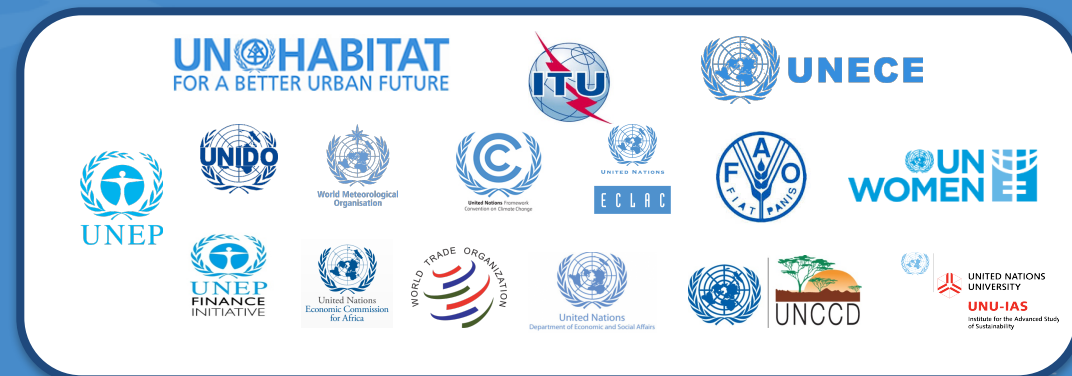
New ITU Report:



The Case of Dubai

JOIN us now!

<http://itu.int/go/U4SSC>



A hand holding a prosthetic arm against a futuristic digital background. The background features a glowing blue globe, various data charts, and percentages. The prosthetic arm is silver and black, with a hand that is also prosthetic. The overall scene is set against a dark blue background with glowing orange and blue lines.

Thank you!

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