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

INFORMATION SHARING

INTEGRATION & CROSS-SECTOR COLLABORATION FOR USERS SERVICES

INTERCONNECTION OF SYSTEMS
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)

- **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

First meeting:
Geneva, 17-19 July 2017
United for Smart Sustainable Cities (U4SSC) – Second phase

KPIs Project for Smart Sustainable Cities to Reach SDGs

More than 50 cities involved

Dubai
Singapore
Valencia
Buenos Aires

Montevideo
Manizales
and many others...

New ITU Report:

The Case of Dubai

U4SSC current work:

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

JOIN us now!
http://itu.int/go/U4SSC
Thank you!

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