Shaping smarter and more sustainable cities
from WSIS to Habitat III

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Who are we?

ITU is the United Nations specialized agency for information and communication technologies (ICTs)

Promoting global collaboration for a connected world

193 MEMBER STATES

700+ PRIVATE-SECTOR ORGANIZATIONS

100+ ACADEMIA MEMBERS
What do we do?

‘Committed to Connecting the World’

Allocation of global radio spectrum and satellite orbits

Bridging the digital divide

Establishing international standards
Cities account for about two-thirds of global energy demand.

Buildings produce a fifth of the world’s CO2 emissions.

Cities produce up to 70% of global greenhouse gas emissions (GHG).

Buildings account for roughly 40% of the world’s energy use.

An estimated 80% of global GDP is generated in cities.
ITU-T’s Smart Sustainable City programme

Using ICTs to build the cities we want

- Develop international standards to address urban challenges.
- Assist countries to develop policies and implement standards to build the cities we want.
- Help companies to support cities to become smart and more sustainable.
- Research and development on areas which include smart grids, water, mobility, logistic, waste, e-government.
- Raise awareness on role of ICT in helping cities to become smarter and more sustainable.
Smart Sustainable city definition

“A smart sustainable city is an innovative city that uses information and communication technologies (ICTs) and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects.”
By 2050, 70% of the world’s population is expected to live in urban environments.
ITU-T Study Group 20 (SG20) on “Internet of Things and its applications, including smart cities and communities”

ITU-T SG20 is responsible for international standards to enable the coordinated development of IoT technologies, including machine-to-machine communications and ubiquitous sensor networks. The group will develop standards to address urban-development challenges.

Upcoming meeting

- SG20 meeting: 25 July to 5 August 2016, Geneva, Switzerland
Towards IoT-enabled smart communities

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
Forum on Shaping smarter and more sustainable cities: Striving for Sustainable Development Goals

Rome, Italy 18-19 May 2016

Host: Ministero dello Sviluppo Economico

Organizers:

- Teenoborsa
- Camera di Commercio Roma
- UNECE
- ITU
## Save the Date NOW

<table>
<thead>
<tr>
<th>Dates</th>
<th>Title</th>
<th>Venue</th>
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<tbody>
<tr>
<td>11 – 12 May 2016</td>
<td>Joint Huawei-ITU Forum on &quot;Building a Better Connected World, Making Networks Greener&quot;</td>
<td>Madrid, Spain</td>
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<td>12 – 13 May 2016</td>
<td>Joint ISO-IEC-ITU Workshop on Internet of Things</td>
<td>Berlin, Germany</td>
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<tr>
<td>18 – 19 May 2016</td>
<td>ITU-UNECE Forum on “Shaping smarter and more sustainable cities: striving for sustainable development goals”</td>
<td>Rome, Italy</td>
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<tr>
<td>13 July 2016</td>
<td>Joint ISO-IEC-ITU “World Smart City Forum”</td>
<td>Singapore</td>
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<tr>
<td>25 July 2016</td>
<td>Joint UNECE-ITU-WEF Forum on IoT and Smart Cities</td>
<td>Geneva, Switzerland</td>
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<td>31 August – 1 September 2016*</td>
<td>Forum on IoT</td>
<td>Buenos Aires, Argentina</td>
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<td>5 – 9 September 2016</td>
<td>6th ITU Green Standards Week</td>
<td>Montevideo, Uruguay</td>
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This compendium of Technical Reports and Specifications details policy and technical considerations relevant to the development of SSC, providing policymakers and engineers with valuable reference material to guide their pursuit of happier, safer life in our cities.

Towards HABITAT III

- **Participation and political commitment**: promote the use of ICTs to set a new urban agenda and contribute to Habitat III.

- **Standardization**: development and implementation of international standards to foster the integration of ICTs in city strategies.

- **Awareness and discussion**: recognize ICTs as key enabler to help cities become smarter and more sustainable.
Thank you

ITU-T, IoT and applications, smart cities

http://itu.int/go/tsg20

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