



## Global Platform for Sustainable Cities (GPSC)

### Working Group on Indicators for Sustainable Cities & Geospatial Tools

March 7 to 8, 2016

Singapore

CENTRE for  
**LiveableCities**  
SINGAPORE



**DBSA**  
Development Bank  
of Southern Africa



Asian Development Bank



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**Working Group on Indicators for Sustainable Cities and Geospatial Tools**

**March 7 to 8, 2016, Singapore**

Sheraton Towers Singapore Hotel, Ballroom 2  
39 Scotts Rd, Singapore 228230

**Background:**

The **Global Platform for Sustainable Cities (GPSC)**, led by the World Bank, is designed as part of the Sustainable Cities Integrated Approach Pilot (SC-IAP), a pilot program supported by the Global Environment Facility (GEF). The SC-IAP program consists of a variety of urban projects in 24 participating cities across 11 countries, each of which is supported by the relevant GEF Implementing Agencies.

One of key objectives of the Global Platform for Sustainable Cities (GPSC) is to support participating cities to adopt or enhance a set of urban sustainability indicators and tools that will help them better articulate and achieve a long-term objective of sustainability through integrated urban planning process. The GPSC intends to provide such support in the following ways: (i) review and streamline key indicators/data for urban sustainability and prepare a reference or guidance document; (ii) help interested cities identify and establish an indicator set to achieve their policy objectives; (iii) identify key components of geospatial data infrastructure development; and (4) support cities to link indicators/data to the decision making process.

For this purpose, a series of working meetings will be convened on **Indicators for Sustainable Cities and Geospatial Tools**. The first meeting will be held on March 7 to 8 in conjunction with the first meeting of the Global Platform for Sustainable Cities that takes place on March 9 to 10 in Singapore. It is expected that the working meeting will bring together urban practitioners, city policy makers and experts from international organizations. The meeting will be conducted in English only.

Day 1, March 7

Venue: Ballroom 2, Sheraton Towers Singapore Hotel, 39 Scotts Rd, Singapore 228230

<b>I. Opening and Introduction</b>	
9:00	<b>Welcome Remarks</b> - Mr. Abhas Jha, Practice Manager, World Bank
9:05	<b>Introduction of meeting attendees</b> ( <i>tour de table</i> )
9:20	<b>Presentation of GPSC – context, objectives and meeting agenda</b> Ms. Xueman Wang, GPSC Coordinator, World Bank
9:30	<b>Key note presentation: Integrating data and indicators into urban planning process for achieving policy objectives</b> Mr. Ng Siau Yong, Director of Strategic Planning & Policy, Singapore Land Authority
<b>II. Geospatial Data and Tools</b>	
<i>Moderator: Mr. Sameh Naguib Wahba, Practice Manager, World Bank</i>	
10:00	<b>Overview: Using geospatial data as a planning tool: pros &amp; cons, data collection, processing and management</b> Presentation by Mr. Brett Rose (Esri) (20 min) <ul style="list-style-type: none"> <li>- Open source solutions</li> <li>- Enterprise-level solutions</li> <li>- Innovative solutions (Big Data, remote sensing, LiDAR, etc.)</li> </ul> <b>Innovative solution: Satellite imagery for mapping and collection data</b> Presentation by Mr. Zoltan Bartalis, European Space Agency (20 min)  Q&A (20 min)
11:00	<i>Coffee break</i>
11:15	<b>Using data and geospatial data for urban planning and development: lessons, opportunities and challenges</b> <ul style="list-style-type: none"> <li>- Case of Manila (Ms. Gayatri Singh, World Bank) (15 min)</li> <li>- Case of Indonesia [ Mr. Iwan Gunawan], TBC (20 min)</li> <li>- Discussions</li> </ul>
12:30	<i>Lunch break</i>
13:30	<b>Summary: Key “infrastructure” components for building capacity for data management and using geospatial data for planning</b> <ul style="list-style-type: none"> <li>- Mr. Brett Rose, ESRI</li> </ul>
13:45	<b>Group discussions on how to enhance participating cities’ capacity for data collection and management and using data for planning purpose</b>
15:10	<b>Report back from group discussion</b>
15:30	<i>Coffee break</i>

### III. Indicators for Urban Sustainability

Moderator: Xiaomei Tan, GEF SEC

15:45	<p><b>Landscape of the existing indicators for urban sustainability</b></p> <ul style="list-style-type: none"><li>- Review of existing indicators and methodologies Dr. Lai Choo Malone-Lee, National University of Singapore (15 min)</li><li>- Brief presentations by the relevant organizations and cities on their indicator development: purpose, application, sector coverage, key indicator and lessons (90 min)<ul style="list-style-type: none"><li>- Examples of Cities:<ul style="list-style-type: none"><li>o Ms. Clarice Meyer Cabral, Coordinator Indicators, Instituto Sao Paulo Sustentavel (Rede Nossa Sao Paulo/Programa Cidades Sustentaveis)</li><li>o Mr. Li Hailong, Center of Chinese Society for Urban Studies</li><li>o India's Smart City Indicators, TBC</li></ul></li><li>- ISO 37120, Ms. Helen Ng, Executive Vice President, WCCD</li><li>- UN Habitat City Prosperity Initiative, Ms. Regina Orvananos</li><li>- UNEP's Global Initiative for Resource Efficient Cities Ms. Sharon Gil, Programme Officer</li><li>- Green Growth Indicators, Mr. Tadashi Matsumoto, OECD</li><li>- Emerging and Sustainable Cities Initiatives, Ms. Maria Isabel Beltran Villavicencio, Inter-American Development Bank</li><li>- World Bank, Energy Efficient Cities Initiative, Ms. Martina Bosi, Energy Sector Management Assistance Program (ESMAP), World Bank,</li><li>- Indicators for sustainable infrastructure, Ms. Katharina Schneider Global Infrastructure Basel</li><li>- Ongoing work on developing "indicators" to implement UN Sustainable Development Goals (Goal 11 on cities) - UNHABITAT</li><li>- Q&amp;A</li></ul></li></ul>
18:00	End of Working Group Day 1

Day 2, March 8

Venue: Ballroom 2, Sheraton Towers Singapore Hotel, 39 Scotts Rd, Singapore 228230

<b>III. Indicators for Urban Sustainability (continued from Day 1)</b>	
<i>Moderator: Mr. Abhas Jha, World Bank</i>	
9:00	<b>Application of indicators in assessing sustainability across cities</b> (methodology) <ul style="list-style-type: none"><li>- “Building Better Cities”: Competitive, sustainable and livable metropolises in APEC Countries, Mr. Keith Martin, Managing Director, Capital Projects &amp; Infrastructure, PricewaterhouseCooper (PWC) (20 min)</li><li>- Q&amp;A</li></ul>
9:40	<b>Discussion: Linking data/indicators to policy objectives and decision making:</b> Key Challenges (e.g. technical capacity, governance structure, political process and budget)
10:15	<i>Coffee break</i>
10:30	<b>Group discussions on individual GPSC cities’ work on “indicators” (e.g. policy objectives, selection of indicators, process, methodology)</b> <ul style="list-style-type: none"><li>- Report back from groups</li></ul>
11:45	<b>GPSC Work Program: Approach to Indicators, Deliverables and Objectives</b> <ul style="list-style-type: none"><li>- Presentation by GPSC (Ms. Xueman Wang, World Bank)</li><li>- Q&amp;A</li></ul>
12:15	<i>Wrap Up:</i> End of Working Group on Indicators for Sustainable Cities and Geospatial Tools