Global Smart City Partnership Program

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WHY SMART CITIES?

- 2019 WBG Youth Summit on “Smarter Cities for a Resilient Future”
  - Established in 2013, the Youth Summit is the largest annual youth event hosted by the World Bank Group
  - Every year, WBG Youth Summit selects the most pressing issue facing our generation
  - 885 young entrepreneurs from 98 countries joined the competition in Dec, 2019

President David Malpass gave the opening remarks at the Youth Summit, Dec 2, 2019
WHAT ARE SMART CITIES?

▪ “Smart city plans and manages its core functions by effectively using data and digital technologies to become efficient, innovative, inclusive and resilient.”

▪ “Digital technologies are key enablers, but urban planning and management remain in the driver seat.”

(_smart City White Paper, WB, 2018)_

Cities becoming “Smarter”

- Leverage technology and existing and planned infrastructure
- Organic integration of the IT physical, social and business infrastructure
- Collecting and translating large amount of data into insights
- A citizen-centric approach
### DIFFERENT DIMENSIONS OF SMART CITIES

<table>
<thead>
<tr>
<th>Efficient</th>
<th>Innovative</th>
<th>Inclusive</th>
<th>Resilient</th>
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<tbody>
<tr>
<td><strong>Plan and use physical infrastructure &amp; resources efficiently</strong></td>
<td><strong>Create platforms &amp; skills to innovate &amp; compete</strong></td>
<td><strong>Help all people shape the services &amp; future of their city</strong></td>
<td><strong>Monitor and control all aspects of city environment</strong></td>
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<tr>
<td>• Smart transport</td>
<td>• e-Education; talent</td>
<td>• e-Services</td>
<td>• Pollution control</td>
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<td>• Smart utilities</td>
<td>• e-Literacy</td>
<td>• Smart health</td>
<td>• Flood control</td>
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<td>• Intelligent buildings</td>
<td>• Citizen co-creation</td>
<td>• e-Governance</td>
<td>• Smart water supply</td>
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<td>• Broadband; networks</td>
<td>• Open innovation</td>
<td>• Citizen participation</td>
<td>• Smart sanitation</td>
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<tr>
<td>• Traffic control</td>
<td>• Innovation hubs</td>
<td>• Crowd sourcing</td>
<td>• Smart recycling</td>
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<td>• Assets &amp; infra sharing</td>
<td>• Living lab; incubators</td>
<td>• Citizen feedback</td>
<td>• Smart grid</td>
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<td>• Smart street lighting</td>
<td>• Open data ecosystem</td>
<td>• Digital Identification</td>
<td>• Operations room</td>
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<tr>
<td>• G2G (whole of gov’t)</td>
<td>• G2B</td>
<td>• SME portals</td>
<td>• Analytics center</td>
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<tr>
<td>• e-Finance</td>
<td>• Smart payments</td>
<td>• Predictive policing</td>
<td>• Community network</td>
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<td>• e-Procurement</td>
<td>• Knowledge industries</td>
<td>• Geo-mapping slums</td>
<td>• Smart policymaking</td>
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<td>• Predict maintenance</td>
<td>• City contests</td>
<td>• Shared access; hot spots</td>
<td>• Agile M&amp;E</td>
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<tr>
<td>• Top-down; AI</td>
<td>• Bottom-up &amp; down</td>
<td>• Bottom-up</td>
<td>• Top-down</td>
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SMART CITIES AND THE WORLD BANK EXAMPLES

BETTER PLANNING  BETTER SERVICE DELIVERY

STRENGTHENED RESILIENCE  REVENUE ENHANCEMENT
1 CROWDSOURCING FOR CREATING FLOOD MAPS

DAR ES SALAAM, TANZANIA
DRONE MAPPING FOR URBAN DYNAMICS

ZANZIBAR, TANZANIA
ANALYZING RESILIENT HOUSING RETROFIT POSSIBILITIES

GUATEMALA | SAINT LUCIA
4 GEOSPATIAL INFORMATION FOR RAPID CITY SCAN ASSESSMENT

ULAANBAATAR, MONGOLIA
BIG DATA FOR MAPPING MOBILITY PATTERNS IN PLACES WITH NO SURVEY DATA AVAILABLE

PORT-AU-PRINCE, HAITI
7 SATELLITE-BASED URBAN ANALYTICS

European Space Agency-World Bank Partnership
KEY CHALLENGES ARE “NOT” TECHNOLOGIES

Scarcely use of smart (data-based) solutions as integral part of city development strategy or key components of urban projects

Absence of strategic and comprehensive assistance to cities via interconnected digital solutions that cut across sectors and functions of a city

**Major Gaps to Overcome:**

- City governance & leadership
- Collaboration among different levels of government
- Bridge administration silos
- Assess, adapt emerging technologies
- Plan, implement & management change
- Finance, PPP for investment, O&M
- Citizen engagement and consultation
GLOBAL SMART CITY PARTNERSHIP PROGRAM

• To enhance planning and implementation capacity of smart city projects
  • Bring together best smart city practices and networks around the world

• Building on the WB-Korea Partnership MOU
  • Signed by GPURL Management and Korean Ministry of Land, Infrastructure and Transport (MOLIT) in 2017

• Matching funding from KWPF and MOLIT EFO

• Leverage and complement
  • WB – Convene global experts and connect clients
  • Korea – Provide financial and technical contributions
LINK 4 PLAYERS OF GLOBAL SMART CITY NETWORK

WB TTLs across GPs

Best practices; Procurement

Global Technical Experts

Global Smart City Partnership Program

SC Lending/ASA Operations Financing

WB Client Cities

Peer-to-Peer Learning

Leading Smart Cities

SC Technical Solutions SC Implementation Experience
GLOBAL SMART CITY PARTNERSHIP PROGRAM (GSCP)

**Objective:**
Enhance the capacity of planning and implementing Smart City projects, building on best practices and networks of global Smart City practitioners and experts

**Component 1:**
Just-in-time TA and Operational Support

*Support for project preparation and implementation*
- Just-in-time TA to TTL/clients by global experts, 10 days
- Operational Support by global experts to create smart city components in Bank projects, 30 days

**Component 2:**
Knowledge Sharing and Dissemination

*Support for business development*
- Cross-sectoral knowledge resources
- Study tours for hands-on knowledge sharing and peer-to-peer learning
- Promote peer-to-peer communication and networking
- An online portal for knowledge sharing and networking
COMPONENT 1: JUST-IN-TIME TA & OPERATIONAL SUPPORT

• Support 32 Bank projects across 8 GPs in 6 Regions

• 3 rounds of call for EOIs
  • Q3 FY19, Q4 FY19, Q2 FY20

• Urban, Digital Dev, Transport, FCI, Social, Health, Energy, Water

• ECA, AFR, MENA, EAP, SAR, and LAC

• 20 Just-in-Time TA & 12 Operational Support
COMPONENT 2: Knowledge Sharing and Dissemination

**Study Tours in 2019**
- Seoul and Jeju, Korea, July & Sep 2019
- Amsterdam and Hague, Netherlands, June 2019
- Barcelona, Spain, Nov 2019

**Workshops, BBLs**
- WB-RSA Workshop, Mar 2019
- KWPF DFI BBL, Oct 2019
- 6 Smart Cities KSB BBLs

**Online Portal (TBC)**
for cross-sectoral knowledge resources and networking
COMPONENT 2: Knowledge Sharing and Dissemination
Thank you