

Joint Knowledge Sharing and Business Opportunities Webinar on Livable Cities

29 June–2 July 2021 via Zoom

Republic of Korea-ADB Urban Development Forum

## Applications of Smart Technologies



Join the event via Zoom

Meeting ID: **966 7721 0628**Passcode: **Urban2021**

Asia and the Pacific is home to more than 2.1 billion urban residents or 60% of the world's urban population. With cities seen as engines of growth, urbanization is widely recognized as an economic catalyst transforming the lives of millions and improving their living conditions.

Despite growing economies delivering results, this growth has not been uniform and basic needs remain unmet for millions of people in the region's cities. Urbanization also brings serious environmental consequences. Infrastructure deficits coupled with the persevering challenges and vulnerabilities of the region to climate change and disasters as well as pandemics, there is risk of losing development gains achieved so far.

The COVID-19 pandemic is a major setback in this regard. Governments must re-evaluate their growth and consumption patterns moving forward to ensure inclusive and sustainable prosperity and opportunities for all.

Korean cities have made remarkable progress in the last 60 years. Rapid economic growth during the industrialization in the 1960s–1970s raised living standards considerably, and it also saw the emergence of urban development challenges over the decades as new development gains are achieved. Seoul, for example, had to face a massive rural-urban exodus, which caused housing shortages, increase in slum areas, lack of infrastructure and services, and

environmental degradation. And these challenges paved the way for new and innovative ways of managing cities, which has been replicated in other cities and new urban development in the Republic of Korea.

This event is designed to share knowledge and solutions to help with urbanization challenges focusing on Korean experiences and enterprises' expertise. The event aims to find out how Korean cities faced these challenges, and how they currently leverage digital technologies to develop new urban services that improve cities' operational performance, provide greater transparency and more interaction with citizens, and reduce the local environmental impact and inequalities.

The knowledge sessions, which are co-organized by ADB and the Export-Import Bank of Korea (KEXIM), will frame the context with highlighting the challenges faced in each urban subsector. The sessions will emphasize solutions that worked and others that did not work and why. Each session will feature solutions that worked with potential applications in DMCs.

Tuesday, 29 June 2021 • 2:00–3:30 p.m. (GMT +8, Manila time)

### Knowledge Sharing – Digital Solutions for Better Service Delivery

- **Welcome Remarks**
    - Seong-ik Oh, *Director, Overseas Construction Policy Division, Korean Ministry of Land, Infrastructure and Transport*
    - Xiaohong Yang, *Chief Thematic Officer, SDCC, ADB*
  - **Panel presentation and virtual roundtable discussion:**
    - Context setting

“Challenges Faced by Korean Cities and Solutions: What Worked and What Didn’t Work” by Yun-seok Jung, *Senior Manager, Transportation Policy Division, Seoul Metropolitan Government*
    - Presentations on solutions

“Data Hub Platform for Smart Cities” by Seung-myeong Jeong, *Senior Researcher, Autonomous IoT Research Center, Korea Electronics Technology Institute*

“Integrated Platform Systems of Infrastructure in Smart Cities Based on Digital Twin Solutions” by Simon Jeon, *Manager, Global Business Department, Korea Land and Geospatial InformatiX Corporation*

“Smart Solutions for Resilience” by Joo-hyun Lee, *Deputy General Manager, Business Strategy Department, Smart City Association*
  - Q&A
- Moderator: Sunghoon Kris Moon, *Urban Development Specialist, SDCC, ADB*

Wednesday, 30 June 2021 • 2:00–3:30 p.m. (GMT +8, Manila time)

### Knowledge Sharing – Integrated Water Management: Digital Solutions and Governance

- **Panel presentation and virtual roundtable discussion**
    - Context setting

“Challenges Faced by Korean Cities in the Water Sector and Solutions: What Worked and What Didn’t Work” by Sang-young Park, *Principal, Global Business Division, Korea Water Resource Corporation (K-Water)*
    - Presentations on solutions

“Smart Metering and Control System” by Sam Kim, *Director, Overseas Sales, Shindoga Electronics*

“Intelligent Platform with Water Leakage Management” by Sang-hoon Cha, *CEO, WI. Plat*

“Diagnostic and Rehabilitation of Old Water Pipelines and Water Quality Management” by Dong-hoon Cha, *Director, Water Planning and Development Center, Seoul Water (Arisu)*
  - Q&A
- Moderator: Okju Jeong, *Urban Planning and Climate Change Specialist, Urban Climate Change Resilience Trust Fund (UCCRTF)*

Thursday, 1 July 2021 • 2:00–3:30 p.m. (GMT +8, Manila time)

### Knowledge Sharing – Energy Management System in Urban Context

- Panel presentation and virtual roundtable discussion

- Context setting:

**“Challenges Faced by Korean Cities in the Water Sector and Solutions: What Worked and What Didn’t Work”** by Mi-young Kim, Assistant Director, Low-carbon Policy Division, Jeju Special Self-Governing Province

- Presentations on solutions

**“Distributed Energy System using Renewable Energy and Energy Storage System Management”** by Hyeong-ig Kim, Senior Researcher, New Energy Business Planning Department, Hyundai Electric and Energy Systems Co., Ltd.

**“Advanced Metering Infrastructure and Smart Metering Management”** by Stephan Gug-won Youn, Senior Managing Director, NuriFlex

**“Building Energy Management System”** by Ju-myon Park, CEO, ZeroEN

- Q&A

Moderator: Lara Arjan, Urban Development Specialist, SDCC, ADB

Friday, 2 July 2021 • 2:00–3:30 p.m. (GMT +8, Manila time)

### Knowledge Sharing – Green Public Transportation and New Transit;

#### Smart City Development through K-City Network

- Panel presentation and virtual roundtable discussion

- Context setting:

**“Challenges Faced by Korean Cities in the Transport Sector and Solutions: What Worked and What Didn’t Work”** by Tae-hyung Kim, Director and Senior Research Fellow, Center for Smart City and Transport, Korea Transport Institute

- Presentations on solutions:

**“Mobile Transportation Card System and Advanced Public Transportation System”** by Sue Hyun-suk Park, General Manager, International Cooperation Team, ITS Korea

**“Electric Vehicles and Charging Infrastructure”** by Hyung-jin Joo, CEO, ChrgEV

**“Bus Rapid Transit System”** by So-young Iris You, Principal Researcher, Innovative Transport Policy Division, Korea Railroad Research Institute

**“Latest Smart City Development Demands and KIND’s Support Program”** by Ryan Kwang-bok Lee, Director, Overseas Infrastructure and Economic Research Department, Korea Overseas Infrastructure and Urban Development Corporation (KIND)

- Q&A

Moderator: Vickie Antonio, Consultant, Urban Climate Change Resilience Trust Fund (UCCRTF)