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# **2024 KDI GKEDC-ASEAN Capacity-Building Workshop on Sustainable Smart Cities**

**October 28<sup>th</sup> - November 1<sup>st</sup>, 2024**



## 1. Background

### 1) Korea Development Institute (KDI)<sup>1</sup>

Faced with the challenge of establishing scientifically sound economic policies in the 1970s, the government of the Republic of Korea established the Korea Development Institute (KDI) in 1971. The institute was created to provide in-depth and practical analysis for the development of appropriate economic policies in the Republic of Korea.

As the first social science think tank in the Republic of Korea, KDI was tasked with guiding the nation's economy towards prosperity. Over the past five decades, the institute has expanded its research to encompass a broad range of fields, including macroeconomics, finance, social security, labor, industry, trade, competition policy, and the North Korean economy.

KDI has evolved and adapted to meet changing public needs, while maintaining its commitment to promoting shared progress. This commitment is reflected in its activities such as economic education, government-funded project evaluation, PPP support, nurturing future global leaders, and sharing the Republic of Korea's development experiences.

### 2) Global Knowledge Exchange and Development Center (GKEDC)<sup>2</sup>

The Global Knowledge Exchange and Development Center (GKEDC) was established in 2018. Financed by the Ministry of Economy and Finance as the supervising ministry, the GKEDC is operated by the Korea Development Institute (KDI).

GKEDC has three main functions: 1) exhibiting the economic development path of South Korea, 2) providing education for students, and 3) fostering global knowledge cooperation with major partner countries and multilateral development banks.

To promote global knowledge cooperation, GKEDC offers a variety of international seminars and capacity-building workshop programs focused on the year's global socio-economic agendas.

### 3) 2024 KDI GKEDC-ASEAN Capacity-Building Workshop

2024 KDI GKEDC-ASEAN capacity-building workshop aims to equip government officials from ASEAN member states with the practical knowledge and skills to

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<sup>1</sup> <https://www.kdi.re.kr/eng/>

<sup>2</sup> [https://www.gkedic.go.kr/?&lang=en\\_US](https://www.gkedic.go.kr/?&lang=en_US)

implement and operate sustainable smart cities.

The workshop will include opportunities to visit institutions involved in smart mobility, smart public security, and smart and sustainable environmental systems. Participants can engage with Korean experts, learn from Korean case studies, and gain practical experience that can be directly applied in their respective cities.

In addition, this capacity-building workshop aims to strengthen the economic cooperation between ASEAN and the Republic of Korea. The workshop will explore cooperation opportunities through the Knowledge Sharing Program (KSP) Project Concept Proposal (PCP) writing seminar.

## 2. Overview

**1) Title:** 2024 KDI GKEDC-ASEAN Capacity-Building Workshop on Sustainable Smart Cities

**2) Period:** October 28<sup>th</sup> - November 1<sup>st</sup>, 2024 (excluding entry and exit dates)

**3) Participants:** 20 Government Officials from ASEAN Member States

**4) Venue:** Seoul, Seongnam, Incheon, the Republic of Korea

### 5) Composition of the Program

Program	Contents
Site Visits/Lectures	The GKEDC offers opportunities to visit institutions specializing in smart mobility, smart public security, and smart environment, including sustainable energy. Participants will gain practical knowledge and experience through interactions with Korean experts and exposure to Korean case studies.
Business Meetings	The GKEDC provides chances to engage in business meetings with leading firms in smart city development.
Knowledge Exchange Days (KED)	KED is the annual flagship event of the GKEDC. This year, the GKEDC will invite international organizations, embassies, public institutions, and private companies to exchange knowledge on digital transformation and smart city development. Since KED is designed to align with the capacity building workshop, participants will have the opportunity to engage in KED activities, including conferences, exhibition tours, business meetings, cultural events, and seminars related to digital transformation and smart city technologies.
Knowledge Sharing Program (KSP) Project Concept Proposal (PCP) Seminar	After the site visits and lectures on smart cities by the GKEDC, participants will have the opportunity to write Knowledge Sharing Program (KSP) Project Concept Proposals (PCPs) through a seminar. The GKEDC will offer sectoral consultations on tentative projects that participants wish to develop and submit under the themes of smart mobility, smart public security, and smart and sustainable environmental systems. During the seminar, participants will refine their proposals through tailored consultations with Korean experts. Following the seminar, participants can submit their final proposals to MOEF via diplomatic channels.  * <i>KSP Website: <a href="https://www.ksp.go.kr/index">https://www.ksp.go.kr/index</a></i>

### 6) Sub-themes of the Workshop

Sub-themes	Contents
Smart Mobility	- Cooperative-Intelligent Transport Systems (C-ITS)

	<ul style="list-style-type: none"> <li>- Personal mobility</li> <li>- Autonomous public transportation system</li> </ul>
Smart Public Security	<ul style="list-style-type: none"> <li>- Smarty City Integrated Operation Center</li> <li>- Intelligent crime prevention services</li> <li>- AI-integrated control system for rapid emergency response</li> </ul>
Smart Environment	<ul style="list-style-type: none"> <li>- Smart Waste Management: IoT sensors, robots, GPS, CCTV, and cloud platforms to monitor and manage waste generation, emissions, collection, transportation, and recycling</li> </ul>

### 3. Program Agenda (October 28<sup>th</sup> – November 1<sup>st</sup>)\*

Date/Time	Program	Note
<b>Day 1 (10/28) Orientation and Lectures on Sustainable Smart City</b>		
09:00-09:50	<b>Orientation</b>	GKEDC
10:00-11:00	<b>[Lecture]</b> Overview and Establishment Process of Smart Cities in Korea - Korea Research Institute for Human Settlements (KRIHS)	
11:00-12:00	<b>[Lecture]</b> Smart City Regeneration Policy - Ministry of Land, Infrastructure and Transport (MOLIT)(TBC)	
14:00-15:00	<b>[Site Visit]</b> Cheongwadae Autonomous Bus Service	Seoul
16:00-18:00	<b>[Site Visit]</b> Seoul Autonomous Driving Service	
<b>Day 2 (10/29) Understanding of Smart Public Security and Smart Environment</b>		
09:00-10:00	<b>[Site Visit]</b> Smart Seoul CCTV Safety Center	Seoul
14:00-15:30	<b>[Site Visit]</b> Enviroment Research Complex	Incheon
16:00-18:00	<b>[Site Visit]</b> IFEZ Smart City Integrated Operation Center	
<b>Day 3 (10/30) Knowledge Sharing Program (KSP) Project Concept Proposal (PCP) Seminar</b>		
09:30-15:00	<b>[Seminar]</b> KSP Project Concept Proposal (PCP)	GKEDC
15:40-18:40	<b>[Cultural Experience]</b> Gyeongbokgung Palace & NANTA Performance	Seoul
<b>Day 4 (10/31) Knowledge Exchange Days (KED): Conference and Exhibition Tour</b>		
09:00-17:30	<b>[KED]</b> Conference and Exhibition Tour	GKEDC
<b>Day 5 (11/1) Knowledge Exchange Days (KED): Business Meetings and Cultural Festival</b>		
10:00-12:00	<b>[KED]</b> Business Meeting: Naver (Site Visit)	Seongnam
14:00-16:00	<b>[KED]</b> Business Meeting: SK, SDS, New Mobility	GKEDC
17:00-17:30	<b>[KED]</b> Closing Ceremony	
17:30-20:30	<b>[KED]</b> Cultural Festival	

\* The program is subject to change upon circumstances.

#### 4. KSP Project Concept Proposal (PCP) Seminar (October 30<sup>th</sup>)

Day 3 (10/30) KSP Project Concept Proposal (PCP) Seminar		
Time		Program
<b>Opening Session</b>		
09:30-09:50	(20')	<b>[Opening Remarks]</b> Dong Soo Kang, Executive Director of the KDI GKEDC <b>[Congratulatory Remarks]</b> Maria Theresa B. DIZON-DE VEGA, Ambassador of the Philippines to the South Korea <sup>3</sup> (TBC) <b>[Group Photo]</b> All Participants of the Workshop
<b>Session 1 - Introduction to KSP, K-City Network, GCF/GGGI</b>		
09:50-10:50	(60')	<b>[Presentation]</b> Introduction to Knowledge Sharing Program (KSP)
		<b>[Presentation]</b> Introduction to K-City Network
		<b>[Presentation]</b> Introduction to the Implementation Cases of the GCF/GGI Project on C-ITS and E-Mobility
<b>Session 2 – KSP PCP Writing and Presentation</b>		
10:50-12:00	(70')	PCP Writing
13:00-14:00	(60')	PCP Presentation
<b>Session 3 – KSP PCP Evaluation and Completion Ceremony</b>		
14:00-14:40	(40')	PCP Evaluation
14:40-14:50	(10')	Best PCP Award Ceremony
<b>Closing Session</b>		
14:50-15:00	(10')	<b>[Closing Remarks]</b> Dong Soo Kang, Executive Director of the KDI GKEDC <b>[Closing Remarks]</b> Maria Theresa B. DIZON-DE VEGA, Ambassador of the Philippines to South Korea (TBC)

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<sup>3</sup> Ambassador, the ASEAN Chair Country in South Korea (for the Second Half of 2024)

## 5. Knowledge Exchange Days\* (KED) (October 31<sup>st</sup> – November 1<sup>st</sup>)

<b>Day 4 (10/31) KED Conference and Exhibition Tour on Digital Transformation</b>	
<b>Time</b>	<b>Program</b>
<b>Opening</b>	
09:00-09:20	Opening Remarks (MOEF)
	Welcoming Remarks (KDI)
	Congratulatory Remarks (TBD)
	Group Photo
09:20-10:00	Keynote Address: Digital Transformation
	Panel Discussion
<b>Session 1 - Digital Transformation and Economic Development: Innovations in Industry, Healthcare, and Connectivity</b>	
10:20-10:35	Digitalization Journey of Smart Factories
10:35-10:50	Acceleration of Innovation Driven by Digital Transformation
10:50-11:05	An Integrated Platform to Connect Lives
11:05-11:20	Leading DX in a Hyper-Connected World of Experiences
11:20-11:30	Q&A
<b>Session 2 - Digital Transformation and Social Development: Enhancing Safety, Efficiency, and Equity</b>	
13:20-13:35	Digital Twin Enhancing Safety
13:35-13:50	Securing Golden Time for Water Disaster Response
13:50-14:05	Revolutionizing Personalized Healthcare with AI Solution
14:05-14:20	Optimizing Efficiency to Address Welfare Blind Spots
14:20-14:30	Q&A
<b>Session 3 - Digitalization Practices and Challenges</b>	
14:50-15:05	Asia
15:05-15:20	Middle East
15:20-15:35	Africa
15:35-15:50	South America
10-min Networking Coffee Break	
<b>Roundtable - Bridging the Digital Transformation</b>	
16:00-16:40	Moderator (KDI)
	Panelists (ADB, WB, UNDO)
17:00-17:30	Guided Special Exhibition Tour on Digital Twin & Digital Transformation
<b>Day 5 (11/1) KED Business Meetings and KED Cultural Festival on Smart City and Digital Transformation</b>	
<b>Time</b>	<b>Program</b>
10:00-12:00	KED Business Meeting with Naver (Site Visit)
14:00-16:00	KED Business Meeting with SK, SDS, New Mobility
17:00-17:30	Closing Ceremony
17:30-20:30	KED Cultural Festival

\* The program is subject to change.