



**Asia-Pacific
Economic Cooperation**

Advancing Free Trade
for Asia-Pacific **Prosperity**

Promoting Quality Infrastructure Investment in Rapidly Urbanizing APEC Region

Toyo, Japan | 14-15 March 2019

APEC Committee on Trade and Investment

June 2019

APEC Project: CTI 02 2018T

Produced by

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I Overview

On 14 and 15 March 2019, **APEC Tokyo Conference on Quality Infrastructure**, initiated by Japan was held in Tokyo, Japan.

This meeting was attended by 120 people including government officials from ministries in charge of infrastructure from 20 economies, two non-member economies, international organizations and Japanese private sector. The details of the participants are included in **Annex A**.

The meeting comprised of two programs; APEC Tokyo Conference on Quality Infrastructure and Infrastructure Tour. The detailed agenda of the project is included in **Annex B**. Through the project, the following four points, 1) to ensure the participants raise awareness on the good practices and lessons learned, 2) to identify challenges and possible solutions in order to implement quality infrastructure (QI) development and Smart City development, 3) to provide the participants with many opportunities to see and experience QI investment accumulated in the City of Tokyo, 4) to share the place to enhance capacity building for ensuring the quality of infrastructure and achieving smart cities in each economies were highlighted. The Meeting Minutes of the Conference is included in Annex C.

II Background

At the APEC Economic Leaders' Meeting ("AELM") held in Beijing on 10-11 November 2014, Leaders endorsed the "APEC Connectivity Blueprint for 2015-2025" based on the commitment at AELM in 2013 in Bali, Indonesia. The Blueprint stipulates that under physical connectivity, with regards to cross-sectoral issues, the Leaders will focus on, in addition to improvement of the investment climate and enhancement of infrastructure financing through public private partnership, 1) adopting comprehensive assessment methods that consider key quality elements in evaluation of infrastructure project proposals, and 2) enhancing the application of good practices and people-centered investment for planning and implementing infrastructure projects.

Under the project "Capacity Building for Quality Infrastructure Investment in Rapidly Urbanizing APEC Region" implemented in 2018, participants attending the "APEC High Level Meeting on Quality Infrastructure" confirmed the importance of QI for sustainable economic growth, shared good practices of QI investment, and discussed challenges and elements that are conducive to QI investment. As a follow up of the meeting, the project was proposed to further deepen and brush up the discussions on QI and contribute to the capacity building among officials especially in developing economies in charge of infrastructure in cooperation with MDBs and related International Organizations.

III Program

1. APEC Tokyo Conference on Quality Infrastructure

The meeting, co-chaired by **Mr Fumihiko YUKI, Vice-Minister, MLIT, Japan** and **Mr José Rigoberto GARCIA GONZALEZ, International Coordinator, Ministry of Public Works, Chile**, took place on 14 March 2019 at Rihga Royal Hotel Tokyo, Tokyo, Japan. The meeting consists of three sessions; (Session1) Plenary -Keynote Speech and Photo Session, (Session2) Presentation & Discussion, (Session3) Public Private Dialogue, and (Session 4) Wrap-up.



1) Session 1: Keynote Speech

In his Opening Remarks, **Dr Hiroto IZUMI, Special Advisor to the Prime Minister, Japan** expressed his gratitude for the participation of representatives of the APEC economies, ambassadors and officials of embassies, and international organizations. While the importance of QI was confirmed repeatedly at the past APEC meetings including APEC High Level Meeting on Quality Infrastructure which was held in Tokyo in 2017, he mentioned that realization of Smart City had also become a focus of city planning all over the world. He also pointed out that Japanese experiences and advanced technologies of QI, anti-disaster measures and for realizing Society 5.0 would become grounds for deepened discussions. He concluded by expressing his wish that the discussions would be meaningful and that the experiences of the meeting would bear fruit at APEC Leaders and Ministers' Meeting to be held this



autumn in Santiago, Chile. **Mr Yuki** and **Mr Garcia** each welcomed the participants and expressed their appreciation for attendance.



Three Speakers, **Mr Norihiro SAKANE**, Assistant Vice-Minister, Minister's Secretariat, MLIT, Japan, **Mr José Miguel RIOS**, Minister's Advisor, Ministry of Public Works, Chile and **Mr Yuichi OKA**, Associate Vice President for International Business, Urban Renaissance Agency (UR) gave keynote speeches in Session 1.

Mr Sakane gave a keynote speech on QI investment and Smart City development. Reviewing the past achievements on QI in APEC, he introduced elements that ensure the quality of QI such as resiliency and sustainability. He then moved on to explaining the definition of a smart city, introducing examples of smart cities in Japan.

Mr Rios delivered a keynote speech on QI developments and PPP cases. Revealing Chile's high demand for QI, he introduced successful PPP projects and acknowledged PPPs as a strong tool to develop QI. As Chile has benefited from PPPs in terms of attracting investments globally, further developments in such sectors as railroad were in great need.

Mr Oka gave a presentation on UR's history, achievements, and ongoing projects such as the new town development, urban redevelopment, and disaster restoration. He expressed UR's enthusiasm to cooperate with international partners helping them build smart cities.



2) Session 2-1: Presentations and Discussions

Sharing the progress of good practices on QI

In Session 2-1, representatives of 12 economies gave presentations each and shared their current state of quality infrastructure development, challenges and good practices, while three special speeches were delivered. The session was moderated by **Mr Daniel A. LEVINE**, Senior Officer, Tokyo Development Learning Center (TDLC), World Bank Group.

The details of the presenters are as follows;

- A) Mr Yasuhiko YOSHIDA**, APEC Senior Official, Deputy Director-General for Trade Policy, Trade Policy Bureau, Ministry of Economy, Trade and Industry, Japan
- B) Dr Naoyuki YOSHINO**, Dean, Asian Development Bank Institute
- C) Mr Robert TRANTER**, Deputy Head of Mission, Australian Embassy, Tokyo, Australia
- D) Mr Thirong PEN**, Director General, General Department of International Cooperation and Debt Management, Ministry of Economy and Finance, Cambodia
- E) Mr Dong LIU**, Deputy Director, Ministry of Transport, China
- F) Mr Joseph Kwok Kuen LO**, Chief Assistant Secretary, Development Bureau, Hong Kong, China and **Mr Sui Ping CHOW**, Assistant Secretary, Development Bureau, Hong Kong, China
- G) Mr Yos HARMEN**, Deputy Director of Energy and Water, National Investment Coordinating Board of Indonesia, Indonesia
- H) Mr Abdul Razak JAAFAR**, Deputy Secretary General, Ministry of Works, Malaysia
- I) Mr Edgar Saúl JAIMES SANTÍN**, International Affairs Advisor, Secretariat of Communications and Transportation, Mexico
- J) Mr Jorge VALVERDE CAMAN**, Investment Specialist, ProInversion - Investment Promotion Agency of Peru, Peru
- K) Mrs Pelita Vitor GALVEZ**, Chief, Project Development Division, Public Private Partnership Service, Department of Public Works and Highways, the Philippines
- L) Mr Juan Tiang KOW**, Deputy Executive Director, Infrastructure Asia, Singapore
- M) Mr Apichai ISSARIYANUKULA**, Senior Civil Engineer/Policy Analyst, Department of Highways, Ministry of Transport, Thailand
- N) Mr Toan Dinh NGUYEN**, Vice minister, Ministry of Construction, Viet Nam
- O) Mrs Morag BAIRD**, Director, Leading Practices, Global Infrastructure Hub



3) Session 2-2: Presentation & Discussion Session ***Sharing the concept of Smart City in each economy***

In Session 2-2, Special speeches by MLIT and seven presentations by APEC economies were conducted. They shared the concept of Smart City development and good practices in each economy. The session was moderated by **Dr Atsushi DEGUCHI**, Vice-Dean, Graduate School of Frontier Sciences, the University of Tokyo.

The details of the presenters are as follows;

- A) Mr Soshi MURAKAWA, Director, International Negotiations Management, International Policy, MLIT
- B) Mr Yukihiisa TOKUNAGA, Deputy Director-General for Engineering Affairs, City Bureau, MLIT, Japan
- C) Mr Zhiguang SHAN, Director General, Department of Informatization and Industry Development, State Information Center, China
- D) Dr Ick-Hoi KIM, Associate Research Fellow, Korea Research Institute for Human Settlements, Korea
- E) Mr Mikhail FAVOROV, CTO, «Big Three» LLC, Russia
- F) Mr Chee How LEE, Regional Director, Economic Development Board (Tokyo Office) and Second Secretary (Industry), Singapore Embassy in Japan, Singapore
- G) Mr Ming-Cheng CHEN, Engineer, Water Resources Agency, Ministry of Economic Affairs, Chinese Taipei
- H) Ms Kasama KONGSMAK, Vice President Digital Intelligence Strategy and Policy Department, Digital Economy Promotion Agency, Ministry of Digital Economy and Society, Thailand
- I) Mr Justin TULL, Development and Health Policy Officer, Economic and Scientific Affairs, Embassy of the United States, the United States



4) Session 3: Public Private Dialogue

In Session 3, three Japanese private companies made presentations of their businesses, technologies and services focusing on development of Smart City. The participants and representatives of the companies had opportunities to communicate through Q&A sessions. The session was moderated by **Dr Seetha Ram KE, Senior Consulting Specialist for Capacity Building and Training Projects, Asian Development Bank Institute (ADBI)**

The presenters were as follows;

- A) Mr Shinya KUKITA, Chief Engineer, Global Business Unit, NEC Corporation**
- B) Mr Tomoyuki IWAKUMA, Deputy Manager, Mobility Service Promotion Office System & Service Business Division, Information Services Development Division, Softbank Corp.**
- C) Mr Hiroshi EGUCHI, Senior Manager, Development Section 1, Urban Development Division, International Business Headquarters, TOKYU CORPORATION**



5) Session 4: Wrap-Up

Mr Yuki, Co-Chair thanked the floor for contribution of the participants and summarized the conference. He hoped to encourage further cooperation among APEC economies and international organizations to step up in realizing QI and Smart City. Mr Garcia expressed his appreciation to the active participation of the economy, adding that the APEC economies should work closely in sharing information and generating cooperation tools regarding QI and Smart City to realize a sustainable, resilient and inclusive society.



2. Infrastructure Tour

On 15 March 2019, the participants attended the infrastructure tour visiting three locations in Tokyo area; **Toyosu Market**, **NEC Future Creation Hub** and **Morigasaki Water Reclamation Center**. The participants were separated in two groups in the morning. Group A visited Toyosu Market, learning the wholesale market system in Japan and advanced logistics, while Group B experienced Japanese state of the art information and communication technologies at NEC Future Creation Hub which are applied in Smart City. The all participants visited Morigasaki Water Reclamation Center in the afternoon, where they joined a tour and learned the energy-saving measures at the facility and the operation and management of the sewerage system by Tokyo Metropolitan Government.





IV. Conclusions and Evaluation

1. Conclusions

The participants shared good practices and challenges of QI investment and Smart City development which can contribute to the capacity building among officials in charge of infrastructure. The participants successfully brushed up the discussion based on the “Report on the Outcomes” which was issued by the last conference in 2017 “APEC High Level Meeting on Quality Infrastructure.”

Public Private Dialogue and Infrastructure Tour raised awareness of the importance of quality infrastructure and initiated networking among the public and private sector. It was encouraged that the APEC economies will continue the discussion to deepen understanding and nurture shared view on quality infrastructure investment and smart city development.

2. Evaluation

The questionnaires were collected at the end of the program to survey the evaluations of the program by the participants. The result showed that the program overall was satisfactory; all 20 responders “strongly agreed” or “agreed” that the objectives of the training were clearly defined and that the project achieved its intended objectives. Some commented that the conference helped them learn from experiences of other economies and that they would apply the content and knowledge gained at the conference in development of policies and regulations. Some feedbacks to improve the project include that the time period of presentations should be extended.

List of Participant for the APEC Tokyo Conference on Quality Infrastructure

ANNEX A

Name	Position	Organization
APEC Economies		
Australia		
Dr Carmen GALVEZ	Senior Policy Analyst	Australian Treasury
His Excellency Richard COURT AC	Ambassador	Australian Embassy, Tokyo
Mr Robert TRANTER	Deputy Head of Mission	Australian Embassy, Tokyo
Mr David LOWE	Minister Counsellor (Economic) and Senior Treasury Representative in Japan	Australian Embassy, Tokyo
Mr Adam COIN	Counsellor (Trade and Economic)	Australian Embassy, Tokyo
Mr Christopher LEE	First Secretary (Trade and Economic)	Australian Embassy, Tokyo
Canada		
Mr John ORMOND	Counsellor (Economic)	Embassy of Canada
Chile		
Mr José Rigoberto GARCIA GONZALEZ	International Coordinator	Ministry of Public Works
Mr José Miguel RIOS	Minister's Advisor	Ministry of Public Works
Mr Alfie ULLOA URRUTIA	Executive Secretary	Chile's National Development Commission
Mr Felipe DIAZ	Counsellor	Embassy of Chile in Japan
People's Republic of China		
Dr Xiaolan YIN	First Secretary	Ministry of Commerce
Dr Zhiguang SHAN	Director General	Department of Informatization and Industry Development, State Information
Mr Dong LIU	Deputy Director	Ministry of Transport
Mr Wei WANG	Deputy Director	Department of Informatization and Industry Development, State Information
Mr Yu SHEN	Second Secretary	Embassy of the People's Republic of China in Japan
Ms Jing SUN	Attache	Embassy of the People's Republic of China in Japan
Hong Kong, China		
Mr Joseph Kwok Kuen LO	Chief Assistant Secretary	Development Bureau
Mr Sui Ping CHOW	Assistant Secretary	Development Bureau
Mr Kerr LI	Deputy Representative	Hong Kong Economic and Trade Office, The Government of the Hong Kong
Indonesia		
Mr Yos HARMEN	Deputy Director of Energy and Water	National Investment Coordinating Board of Indonesia
Ms Nurul Ainy GUMILAR	Head of Partnership Facilitation Sub Division	BPPSPAM, Ministry of Public Works and Housing
Ms Aska Cikos PERDINI	Trade Analyst	Ministry of Trade
Ms Armi YUNIANI	Assistant Deputy Director of APEC Investment	Ministry of Trade
Mr Bambang PURNOMO	Deputy Director for APEC	Ministry of Trade
His Excellency Arifi TASRIF	Ambassador	Embassy of the Republic of Indonesia Tokyo
Mr Rizal SYAMSU	Transportation Attache	Embassy of the Republic of Indonesia Tokyo
Ms AYU IDA	3rd Secretary in Economic Affairs	Embassy of the Republic of Indonesia Tokyo
Republic of Korea		
Dr Ick-Hoi KIM	Associate Research Fellow	Korea Research Institute for Human Settlements
Ms Hyun-young LEE	Assistant Director	Ministry of Land, Infrastructure and Transport of Republic of Korea

List of Participant for the APEC Tokyo Conference on Quality Infrastructure

ANNEX A

Name		Position	Organization
Malaysia			
Mr Abdul Razak JAAFAR		Deputy Secretary General	Ministry of Works
Ms Masdara Siregar MOHD SAMSIR		Deputy Under Secretary	Policy & International Division, Ministry of Works
Mrs Eda Fatimawati AHMAD		Principal Assistant Secretary	Road Planning Division, Ministry of Works
Mr Ahmad Hilmi MOHD AINUDDIN		First Secretary	Embassy of Malaysia, Tokyo
Mr Ahmad SHAH NIZAM		Director	Malaysia External Trade Development Corporation Tokyo Office
Mexico			
Mr Edgar Saúl JAIMES SANTÍN		International Affairs Advisor	Secretariat of Communications and Transportation
Mr Enrique MORALES		Secretary for Economic Affairs	Embassy of Mexico
New Zealand			
Mr Richard GRIFFIN		First Secretary	New Zealand Embassy
Papua New Guinea			
Mr Samson YABON		Chargé d'Affaires ad interim	Embassy of Papua New Guinea
Peru			
Mr Jorge VALVERDE CAMAN		Investment Specialist	ProInversion - Investment Promotion Agency of Peru
Ms Erika Guadalupe TUESTA VELA		Legal Analyst	Ministry of Economy and Finance – General Directorate of Private
His Excellency Harold FORSYTH		Ambassador	Embassy of the Republic of Peru in Japan
Mr Enrique DESCALZI		First Secretary	Embassy of the Republic of Peru in Japan
The Republic of the Philippines			
Mrs Pelita Vitor GALVEZ		Chief, Project Development Division, Public Private Partnership Service	Department of Public Works and Highways (DPWH)
Mr Manuel, Orlina, III LARDIZABAL		SR. Transport Development Officer	Department of Transportation
Ms Cassandra SAWADJAAN		First Secretary and Consul	Embassy of the Republic of the Philippines
Ms Diane BARTOLOME		Attache, Economic Section	Embassy of the Republic of the Philippines
Russia			
Mr Nikita KONDRATYEV		Head of the Division of multilateral economic cooperation in the Asia-Pacific region, Department of multilateral economic cooperation and special projects	Ministry of economic development
Mr Mikhail FAVOROV		CTO	«Big Three» LLC
Singapore			
Mr Juan Tiang KOW		Deputy Executive Director	Infrastructure Asia
Mr David De-Wei WONG		Lead	Infrastructure Asia
Mr Chee How LEE		Regional Director, Economic Development Board (Tokyo Office) and Second Secretary (Industry)	Embassy of the Republic of Singapore
Ms Emily LEK		First Secretary (Political)	Embassy of the Republic of Singapore
Mr Sean ONG		First Secretary (Commercial)	Enterprise Singapore
Chinese Taipei			
Mr Hua-Ping TSAO		Deputy Director-General	Water Resources Agency, Ministry of Economic Affairs
Mr Ming-Cheng CHEN		Engineer	Water Resources Agency, Ministry of Economic Affairs
Mr Chunyin CHENG		Economic Secretary	Taipei Economic and Cultural Representative Office in Japan
Ms Chiaching LEE		Economic Secretary	Taipei Economic and Cultural Representative Office in Japan

List of Participant for the APEC Tokyo Conference on Quality Infrastructure

ANNEX A

Name		Position	Organization
	Thailand		
	Mr Apichai ISSARIYANUKULA	Senior Civil Engineer/Policy Analyst	Department of Highways, Ministry of Transport
	Ms Kasama KONGSMAK	Vice President Digital Intelligence Strategy and Policy Department	Digital Economy Promotion Agency, Ministry of Digital Economy and Society
	United States		
	Mr Justin TULL	Economic Officer	U.S. Embassy
	Ms Misa SHIMIZU	Commercial Specialist	U.S. Embassy Commercial Service
	Viet Nam		
	Mr Toan Dinh NGUYEN	Vice minister	Ministry of Construction
	Mrs Thi Thanh Huong TRUONG	Official	Ministry of Construction
	Mr Tuan Anh PHAM	Director General	Transport Infrastructure Department, Ministry of Transport
	Ms Dieu My PHAN	Officier, APEC & International Economic Cooperation, Multilateral Trade Policy Department	Ministry of Industry and Trade
	Mr Viet Khoi BUI	Counsellor, Head of Science and Technology Office	Embassy of the S.R. of Vietnam in Japan
	Mr Xuan Tien NGUYEN	Counsellor, Head of Investment Office	Embassy of the S.R. of Vietnam in Japan
	Non-APEC Economies		
	Cambodia		
	His Excellency Thirong PEN	Director General, General Department of International Cooperation and Debt Management	Ministry of Economy and Finance
	Mr Sopheak LAY	Deputy Chief of Public Investment Office, General Department of Budget	Ministry of Economy and Finance
	Mr Laiheng POM	Senior Specialist for Public Financial Management, General Secretariat of PFM Reform Program	Ministry of Economy and Finance
	Myanmar		
	Mr Zaw Myint KYI	Deputy Director General, Department of Highway	Ministry of Construction

List of Participant for the APEC Tokyo Conference on Quality Infrastructure

ANNEX A

Name	Position	Organization
Government of Japan		
Cabinet		
Dr Hiroto IZUMI	Special Advisor to the Prime Minister	Cabinet
MLIT		
Mr Fumihiko YUKI	Vice-Minister for Land, Infrastructure and Hokkaido Development	Ministry of Land, Infrastructure, Transport and Tourism
Mr Norihiro SAKANE	Assistant Vice-Minister, Minister's Secretariat	Ministry of Land, Infrastructure, Transport and Tourism
Mr Yukihiisa TOKUNAGA	Deputy Director-General for Engineering Affairs, City Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Ms Akiko YOSHIDA	Assistant Vice-Minister for International Affairs	Ministry of Land, Infrastructure, Transport and Tourism
Mr Kazuo OZAWA	Counsellor for Global Strategies, Minister's Secretariat	Ministry of Land, Infrastructure, Transport and Tourism
Mr Yoichi DEGUCHI	Director, International Affairs Div., Land Economiy & Construction Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Mr Taishi YAMAMOTO	Director of International Policy Planning Office, Ports and Houbours Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Mr Soshi MURAKAWA	Director, International Planning for Construction Industry	Ministry of Land, Infrastructure, Transport and Tourism
Ms Emika HASEGAWA	Director for International Negotiations Management, International Policy	Ministry of Land, Infrastructure, Transport and Tourism
Mr Koji UEBAYASHI	Director for Global Market Development,International Policy Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Mr Tatsuro IMAI	Seniot Deputy Director, International Affairs Office, City Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Mr Yasuhiro IRIE	Chief Official, International Policy Division, Policy Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Mr Yusuke HAGEYAMA	Chief Official, International Policy Division, Policy Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Ms Yurie ENDO	Chief Official, International Policy Division, Policy Bureau	Ministry of Land, Infrastructure, Transport and Tourism
Ms Yuri TSUBAKI	Assistant Director, International Affairs Div., Land Economiy & Construction	Ministry of Land, Infrastructure, Transport and Tourism
MOFA		
Mr Shinya FUJITA	Director, APEC Division, Economic Affairs Bureau	Ministry of Foreign Affairs
Ms Ayuka IBE	Assistant Director, APEC Division, Economic Affairs Bureau	Ministry of Foreign Affairs
Ms Mai KUBOTA	Assistant Director, APEC Division, Economic Affairs Bureau	Ministry of Foreign Affairs
Mr Tomohiro TANAKA	Assistant Director, APEC Division, Economic Affairs Bureau	Ministry of Foreign Affairs
METI		
Mr Yasuhiko YOSHIDA	APEC Senior Official, Deputy Director-General for Trade Policy, Trade Policy	Ministry of Economy, Trade and Industry
Mr Haruyuki YADA	Director, APEC Office, Trade Policy Bureau	Ministry of Economy, Trade and Industry
Ms Kyoko MINAGAWA	Deputy Director, APEC Office, Trade Policy Bureau	Ministry of Economy, Trade and Industry
MOF		
Mr Shunichi KAGA	Section Chief, Research Division, International Breau	Ministry of Finance

List of Participant for the APEC Tokyo Conference on Quality Infrastructure

ANNEX A

Name		Position	Organization
Other Organizations			
Urban Renaissance Agency			
Mr Yuichi OKA		Associate Vice President for International Business	Urban Renaissance Agency
World Bank			
Mr Daniel LEVINE		Senior Officer, Social, Urban, Rural and Resilience Global Practice Tokyo	World Bank Group
The University of Tokyo			
Dr Atsushi DEGUCHI		Vice-Dean, Graduate School of Frontier Sciences	the University of Tokyo
Asian Development Bank Institute			
Dr Naoyuki YOSHINO		Dean	Asian Development Bank Institute
Dr Seetha Ram KE		Senior Consulting Specialist for Capacity Building and Training Projects	Asian Development Bank Institute
Global Infrastructure Hub			
Ms Morag BAIRD		Senior Manager	Global Infrastructure Hub

PPD			
NEC Corporation			
Mr Shinya KUKITA		Chief Engineer, Global Business Unit	NEC Corporation
Softbank Corp.			
Mr Tomoyuki IWAKUMA		Deputy Manager, Mobility Service Promotion Office System & Service Business Division, Information Services Development Division	Softbank Corp.
TOKYU CORPORATION			
Mr Hiroshi EGUCHI		Senior Manager, Development Section Ⅱ , Urban Development Division, International Business Headquarters	TOKYU CORPORATION
Macquarie Capital Japan			
Mr Jun OHASHI		Managing Director and Head	Macquarie Capital Japan
Ms Kanna MIHARA		Vice President, Private Capital Markets	Macquarie Capital Japan



**Asia-Pacific
Economic Cooperation**



APEC Tokyo Conference on Quality Infrastructure

14–15 March 2019, Tokyo, Japan

Thursday, 14 March 2019

Time	Item	Facilitator / Presenter
08:30-09:00	Registration	All

OFFICIAL PROGRAM

DAY 1: Thursday, 14 March 2019

Venue: Rihga Royal Hotel Tokyo

Session 1 : Plenary

Co-Chair: Mr Fumihiko YUKI, Vice-Minister,
Ministry of Land, Infrastructure, Transport and Tourism, Japan
Mr José Rigoberto GARCIA GONZALEZ, International Coordinator,
Ministry of Public Works, Chile

Time	Item	Facilitator / Presenter
09:00-09:15	Greetings from Co-Chair	Mr Fumihiko YUKI Mr José Rigoberto GARCIA GONZALEZ
	Opening Remark	Dr Hiroto IZUMI Special Advisor to the Prime Minister, Japan
09:15-09:45	<u>Keynote Speech (1):</u> Quality Infrastructure Investment and Smart City	Mr Norihiro SAKANE Assistant Vice-Minister, Minister's Secretariat, MLIT, Japan
	<u>Keynote Speech (2):</u> Quality Infrastructure Investment	Mr José Miguel RIOS Minister's Advisor, Ministry of Public Works, Chile
	<u>Keynote Speech (3):</u> Shaping Smart Cities with Quality Infrastructure - Experience of UR, Japan -	Mr Yuichi OKA Associate Vice President for International Business, Urban Renaissance Agency
09:45-09:50	Photo Session	All
09:50-10:10	Coffee Break	All

Session 2-1: Presentation & Discussion Session Sharing the progress of Good practice on QII Moderator: Mr Daniel A. LEVINE, Senior Officer, Tokyo Development Learning Center (TDLC), World Bank Group		
10:10-11:40	Special Speech(1): Initiatives for Quality of Infrastructure Development and Investment	Mr Yasuhiko YOSHIDA APEC Senior Official, Deputy Director-General for Trade Policy, Trade Policy Bureau, Ministry of Economy, Trade and Industry, Japan
	Special Speech(2): Encouraging Private Finance into Infrastructure investment by using of spillover effects	Dr Naoyuki YOSHINO Dean, Asian Development Bank Institute
	Presentation from Australia Australia's new tools for infrastructure financing in the indo-Pacific	Mr Robert Tranter Deputy Head of Mission, Australian Embassy, Tokyo
	Presentation from Cambodia Managing Public Investments For Quality Infrastructure Development In Cambodia	His Excellency Thirong PEN Director General, General Department of International Cooperation and Debt Management, Ministry of Economy and Finance
	Presentation from China High Quality Development of Transport Infrastructure in China	Mr Dong LIU Deputy Director, Ministry of Transport
	Q&A, Discussion (1)	All
	Presentation from Hong Kong, China APEC Tokyo Conference on Quality Infrastructure	Mr Joseph Kwok Kuen LO Chief Assistant Secretary, Development Bureau Mr Sui Ping CHOW Assistant Secretary, Development Bureau
	Presentation from Indonesia PPP Implementation in Indonesia Focus: Water Supply Sector	Mr Yos HARMEN Deputy Director of Energy and Water, National Investment Coordinating Board of Indonesia
	Presentation from Malaysia Quality Infrastructure From the perspective of Ministry of Works	Mr Abdul Razak JAAFAR Deputy Secretary General, Ministry of Works
	Q&A, Discussion (2)	All
11:40-13:00	Lunch	All
13:00-14:30	Presentation from Mexico Public-Private Partnerships in the Development of Sustainable Infrastructure	Mr Edgar Saúl JAIMES SANTÍN International Affairs Advisor, Secretariat of Communications and Transportation
	Presentation from Peru Promoting Quality Infrastructure Investment through PPP projects	Mr Jorge VALVERDE CAMAN Investment Specialist, ProInversion - Investment Promotion Agency of Peru
	Presentation from the Philippines Quality Infrastructure Investment(QII): The Philippines experience	Mrs Pelita Vitor GALVEZ Chief, Project Development Division, Public Private Partnership Service, Department of Public Works and Highways
	Q&A, Discussion (3)	All
	Presentation from Singapore Infrastructure Opportunities in Asia Connecting local and international stakeholders to Asia's infrastructure opportunities	Mr Juan Tiang KOW Deputy Executive Director, Infrastructure Asia
	Presentation from Thailand Public-Private Partnership (PPP) in Inter-City Motorway Projects	Mr Apichai ISSARIYANUKULA Senior Civil Engineer/Policy Analyst, Department of Highways, Ministry of Transport
	Presentation from Viet Nam Infrastructure investment and development in Vietnam	Mr Toan Dinh NGUYEN Vice minister, Ministry of Construction
	Q&A, Discussion (4)	All

	<u>Special Speech(3):</u> Guidance Note on Output Specifications for Quality Infrastructure PPP Projects	Mrs Morag BAIRD Director, Leading Practices, Global Infrastructure Hub
14:30-14:50	Coffee Break	All
Session 2-2: Presentation & Discussion Session Sharing the concept of Smart City in each economy Moderator: Dr Atsushi DEGUCHI Vice-Dean, Graduate School of Frontier Sciences, The University of Tokyo		
14:50-16:20	<u>Special Speech:</u> Toward Realization of Smart Cities	Mr Yukihiisa TOKUNAGA Deputy Director-General for Engineering Affairs, City Bureau, MLIT, Japan
	Presentation from China Current Status and Development Strategies of China Smarter Cities	Mr Zhiguang SHAN Director General, Department of Informatization and Industry Development, State Information Center
	Presentation from Korea Smart City Policy in Korea	Dr Ick-Hoi KIM Associate Research Fellow, Korea Research Institute for Human Settlements
	Presentation from Russia Sharing the concept of Smart City in Russian economy	Mr Mikhail FAVOROV CTO, «Big Three» LLC
	Q&A, Discussion (1)	All
	Presentation from Singapore A Smart Nation	Mr Chee How LEE Regional Director, Economic Development Board (Tokyo Office) and Second Secretary (Industry), Singapore Embassy in Japan
	Presentation from Chinese Taipei Urban Smart Flood Mitigation	Mr Ming-Cheng CHEN Engineer, Water Resources Agency, Ministry of Economic Affairs
	Presentation from Thailand Thailand Smart City Initiative	Ms Kasama KONGSMAK Vice President Digital Intelligence Strategy and Policy Department, Digital Economy Promotion Agency, Ministry of Digital Economy and Society
	Presentation from United States Smart Cities	Mr Justin TULL Development and Health Policy Officer, Economic and Scientific Affairs, Embassy of United States
	Q&A, Discussion (2)	All
16:20-16:40	Coffee Break	All
Session 3: Public Private Dialogue Moderator: Dr Seetha Ram KE, Senior Consulting Specialist for Capacity Building and Training Projects, Asian Development Bank Institute (ADBI)		
16:40-17:20	NEC Corporation	Mr Shinya KUKITA Chief Engineer, Global Business Unit
	Softbank Corp.	Mr Tomoyuki IWAKUMA Deputy Manager, Mobility Service Promotion Office System & Service Business Division, Information Services Development Division
	TOKYU CORPORATION	Mr Hiroshi EGUCHI Senior Manager, Development Section 1, Urban Development Division, International Business Headquarters.
	Q&A, Discussion	All

Session 4: Wrap-up Session Co-Chair: Mr Fumihiko YUKI, Vice-Minister, Ministry of Land, Infrastructure, Transport and Tourism, Japan Mr José Rigoberto GARCIA GONZALEZ, International Coordinator, Ministry of Public Works, Chile		
17:30-17:50	Wrap-up	All
18:00-19:30	Reception with Private Sectors	All

DAY 2: Friday, 15 March 2019 Infrastructure Tour			
A Course		B Course	
Time	Program	Time	Program
8:45	Meeting at main lobby in Rihga Royal Hotel Tokyo	9:05	Meeting at main lobby in Rihga Royal Hotel Tokyo
9:00- 9:40	[Bus] Rihga Royal Hotel Tokyo → Toyosu Market	9:20-10:00	[Bus] Rihga Royal Hotel Tokyo → NEC Future Creation Hub
9:40-11:10	Infrastructure Tour A course: Toyosu Market - Visiting a wholesale market to experience logistics technology and district heating	10:00-11:00	NEC Future Creation Hub - Visiting a showroom to experience ICT based smart city solutions
11:10-11:30	[Bus] Toyosu Market →Lunch	11:00-11:30	[Bus] NEC Future Creation Hub →Lunch
11:30-12:50	Lunch at Hotel Sunroute Ariake		
12:50-13:30	[Bus] Hotel Sunroute Ariake → Morigasaki Water Reclamation Center		
13:30-15:00	Infrastructure Tour A&B course: Morigasaki Water Reclamation Center - Visiting the largest water reclamation center in Japan. (1540MLD) - 22.8 MkWh of electricity annually has been generated by using methane gas		
15:00-16:00	[Bus] Morigasaki Water Reclamation Center → Rihga Royal Hotel Tokyo		

**Meeting Minutes of
APEC Tokyo Conference on Quality Infrastructure
14 March 2019, Tokyo, JAPAN**

1 Introduction

APEC Tokyo Conference on Quality Infrastructure took place on 14 March 2019 at Rihga Royal Hotel Tokyo, Tokyo, Japan.

The conference was attended by the following:

- 1) Representatives from 20 APEC economies
- 2) Representatives from two non-APEC economies; Cambodia and Myanmar
- 3) Officials from the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) of Japan
- 4) Representatives from Cabinet of Japan, Ministry of Foreign Affairs of Japan, Ministry of Economy, Trade and Industry of Japan, Ministry of Finance, and Urban Renaissance Agency
- 5) Representatives from organizations; World Bank Group(WB), Asian Development Bank(ADB), the University of Tokyo, Global Infrastructure Hub(GIH), APEC Business Advisory Council(ABAC)
- 6) Representatives from four Japanese companies

The conference was co-chaired by Mr Fumihiko Yuki, Vice-Minister, MLIT, Japan and Mr José Rigoberto Garcia Gonzalez, International Coordinator, Ministry of Public Works, Chile.

2 Session1: Plenary -Keynote Speech and Photo Session (9:00-9:50)

2.1 Opening Remarks by Dr Hiroto IZUMI, Special Advisor to the Prime Minister, Japan

Dr Izumi expressed his gratitude for the participation of representatives of the APEC economies, ambassadors and officials of embassies, and international organizations. While the importance of quality infrastructure (QI) was confirmed repeatedly at the past APEC meetings including APEC High Level Meeting on Quality Infrastructure which was

held in Tokyo in 2017, he mentioned that realization of Smart City had also become a focus of city planning all over the world. He also pointed out that Japanese experiences and advanced technologies of QI, anti-disaster measures and for realizing Society 5.0 would become grounds for deepened discussions. He concluded by expressing his wish that the discussions would be meaningful and that the experiences of the meeting would bear fruit at APEC Leaders and Ministers' Meeting to be held this autumn in Santiago, Chile.

2.2 Greetings from Co-Chair

Mr Yuki and Mr Garcia each welcomed the participants and expressed their appreciation for attendance.

2.3 Keynote Speech by Mr Norihiro Sakane, Assistant Vice-Minister, Minister's Secretariat, MLIT, Japan

Mr Sakane gave a keynote speech on QI investment and Smart City development. Reviewing the past achievements on QI in APEC, he introduced elements that ensure the quality of QI such as resiliency and sustainability. He then moved on to explaining the definition of a smart city, introducing examples of smart cities in Japan.

2.4 Keynote Speech by Mr José Miguel RIOS, Minister's Advisor, Ministry of Public Works, Chile

Mr Rios delivered a keynote speech on QI developments and PPP cases. Revealing Chile's high demand for QI, he introduced successful PPP projects and acknowledged PPPs as a strong tool to develop QI. As Chile has benefited from PPPs in terms of attracting investments globally, further developments in such sectors as railroad were in great need.

2.5 Keynote Speech by Mr Yuichi OKA, Associate Vice President for International Business, Urban Renaissance Agency (UR)

Mr Oka gave a presentation on UR's history, achievements, and ongoing projects such as the new town development, urban redevelopment, and disaster restoration. He expressed UR's enthusiasm to cooperate with international partners helping them build smart cities.

3 Session2-1: Presentation & Discussion (10:10-15:00)

Sharing the progress of Good practice on QI

Moderator: Mr Daniel A. LEVINE,

Senior Officer, Tokyo Development Learning Center (TDL), World Bank Group

Mr Levine moderated the session 2-1. Representatives of twelve economies gave presentations each and shared the current state of QI development, challenges and good practices. Three special speeches were also delivered.

3.1 Special Speech by Mr Yasuhiko YOSHIDA, APEC Senior Official, Deputy Director-General for Trade Policy, Trade Policy Bureau, Ministry of Economy, Trade and Industry, Japan

Mr Yoshida gave a special speech "Initiatives for Quality of Infrastructure Development and Investment," introducing APEC Guidebook on Quality of Infrastructure Development and Investment which was originally published in 2014. With the guidebook upgraded in 2018, he outlined the revised guidebook and explained the peer review and the capacity building which had been or is conducted between Japan and three economies.

3.2 Special Speech by Dr Naoyuki YOSHINO, Dean, Asian Development Bank Institute

In his special speech "Encouraging Private Finance into Infrastructure Investment by Using of Spillover Effects," Dr Yoshino explained that spillover effects of infrastructure investment could increase tax revenues and promote local growth as a result. He identified some of the approaches to enhance private finance flow into infrastructure

development as increasing incentives to operating companies and establishment of land trust which manages leasing contracts among landowners and project operators.

3.3 Presentation by Australia

Mr Robert TRANTER, Deputy Head of Mission, Australian Embassy, Tokyo gave a speech titled “Australia’s New Tools for Infrastructure Financing in the Indo-Pacific.” He introduced the economy’s multi-million dollars initiatives targeting Southeastern Asia and the Pacific regions. Offering flexible financing facilities, Australia cooperates with counterpart economies, third-party economies, and the private sector in boosting QI investment in the region.

3.4 Presentation by Cambodia

Mr Thirong PEN, Director General, General Department of International Cooperation and Debt Management, Ministry of Economy and Finance presented the policies and programs for QI development such as Public Investment Management (PIM) Framework which aims to strengthen the quality and outcome of infrastructure. He concluded by pointing out PPP strategies as a drive to boost the economy’s international competitiveness.

3.5 Presentation by China

Mr Dong LIU, Deputy Director, Ministry of Transport introduced the achievements, challenges and the future development plans in the transport sector of China in his presentation “High Quality Development of Transport Infrastructure in China”. He emphasized the importance of cooperation with neighboring economies to enhanced connectivity in the region.

3.6 Q&A/Discussion

(China)

There are two points I would like to comment on the presentations.

Firstly, as we understand that QI costs more, how you balance the high quality and the local affordability remains in question especially in developing economies where the investment gap is apparent. Secondly, active efforts from various parts of the stakeholders are necessary to ensure the quality of infrastructure and support from the top level are crucial in particular. The bilateral and multilateral partnership could provide great potential in QI. For example, initiatives such as Master Plan on ASEAN Connectivity 2025, the Belt and Road Initiative and other regional cooperation frameworks had generated strong complementarity and synergy to enhance regional connectivity. China and Japan signed a MoU to cooperate in the third-party market aiming to boost infrastructure development. Broader regional cooperation and collective connectivity could be a focus of the future discussions.

3.7 Presentation by Hong Kong, China

Mr Joseph Kwok Kuen LO, Chief Assistant Secretary, Development Bureau outlined the infrastructure development and capital works investment in Hong Kong, China and introduced the economy's initiative, namely "Construction 2.0", to uplift the performance of construction industry. Mr Sui Ping CHOW, Assistant Secretary, Development Bureau, following Mr Lo's presentation, introduced the "Project Surveillance System (PSS)" which involves monitoring and analyzing project cash flow based on the past cash flow data of over 600 completed projects, foreseeing challenges and problems, and providing early warning signals to top management; in order to uplift project performance such as reducing cost overruns and delays of projects.

3.8 Presentation by Indonesia

As he described the process and characteristics of PPPs in Indonesia, Mr Yos Harmen, Deputy Director of Energy and Water, National Investment Coordinating Board of Indonesia identified PPPs as a solution to QI. He explained the PPP Office which was established in 2017 and Umbulan Project, a typical PPP project of water supply.

3.9 Presentation by Malaysia

Listing six elements of QI identified by Ministry of Works, Mr Abdul Razak JAAFAR, Deputy Secretary General, Ministry of Works illustrated how QI is positioned in the domestic and ministerial plans. He also described Central Spine Road, a typical project showcasing QI in Malaysia and concluded by stressing the role of Construction Industry Transformation Program and the five-year domestic development plan in the implementation of QI which is supported by Industry 4.0.

LUNCH BREAK (11:40-13:00)

3.10 Presentation by Mexico

Mr Edgar Saúl JAIMES SANTÍN, International Affairs Advisor, Secretariat of Communications and Transportation stated that PPPs are in urgent need for QI in his presentation “Public-Private Partnerships in the Development of Sustainable Infrastructure.” He explained how PPP projects proceed under the PPP Law. Giving examples of road projects, he identified challenges and lessons learned including more diverse financial instruments and clear distribution of risks.

3.11 Presentation by Peru

Mr Jorge VALVERDE CAMAN, Investment Specialist, ProInversion - Investment Promotion Agency of Peru delivered a presentation “Promoting Quality Infrastructure Investment through PPP projects.” He said that there are 58 projects in the pipeline by 2021 as PPPs are promoted in perspective of reducing the infrastructure gap. He then introduced a case study of Lima-Ica Railway and the Third Group of Airports, projects through the co-financed unsolicited proposal framework.

3.12 Presentation by the Philippines

Mrs Pelita Vitor GALVEZ, Chief, Project Development Division, Public Private Partnership Service, Department of Public Works and Highways

highlighted the administration's plan to tackle the shortage of infrastructure which includes a policy to increase the public spending on infrastructure significantly. She then introduced typical transport and disaster mitigation projects and added a brief description of urban development "New Clark City."

3.13 Presentation by Singapore

In his presentation "Infrastructure Opportunities in Asia: Connecting local and international stakeholders to Asia's infrastructure opportunities," Mr Juan Tiang KOW, Deputy Executive Director, Infrastructure Asia pointed out the importance of innovative project structuring in QI investment. He expressed his organization's hope to address investment gap by leveraging Singapore's financial and professional resources and invited international partnership with institutions and corporations in the region.

3.14 Presentation by Thailand

Mr Apichai ISSARIYANUKULA, Senior Civil Engineer/Policy Analyst, Department of Highways, Ministry of Transport explained why the economy needs PPPs and showed typical processes including hybrid PPP which combines user fees and government subsidy while showing the comparison of the cash flow of PPPs and conventional infrastructure projects. He also presented the Intercity Motorway Project which has been conducted under the PPP scheme.

3.15 Presentation by Viet Nam

Mr Toan Dinh NGUYEN, Vice minister, Ministry of Construction described the status of demand in infrastructure and said that the shortcomings of infrastructure resulted in urban issues such as flooding and traffic congestion. He proposed that cooperation among APEC economies in training, capacity building of project management, and improvement of legal regulations should be promoted to ensure the quality of infrastructure.

3.16 Special Speech by Mrs Morag BAIRD, Director, Leading Practices, Global Infrastructure Hub

In her speech “Guidance Note on Output Specifications for Quality Infrastructure PPP Projects,” Mrs Baird first introduced the organization and its role in infrastructure investment. Explaining various tools and products GIH provides, she presented the reference guide on output specification which aims to assist the public entity to benefit from the QI PPPs by showing the standard of the service and the goals the project needs to meet.

3.17 Q&A/Discussion

(Indonesia)

How do you maintain competitiveness in the procurement of unsolicited proposals?

(Mexico)

It is a new approach which started in 2012 under the new law. We have not received any unsolicited proposals yet, but I believed the law has very specific regulations to ensure competitiveness.

(Peru)

In a case of the unsolicited project in the sanitation sector, there was the 90-day period open for bidding by other companies to ensure the competitive procurement, in which we actually received another bidding. Co-financed projects in the transport sector, strictly speaking, are not unsolicited proposals but they are the private initiatives in fact because the projects need more intervention to get an approval of the state budget.

4 Session 2-2: Presentation & Discussion Session (14:50-16:20)

Sharing the concept of Smart City in each economy

Moderator: Dr Atsushi DEGUCHI

Vice-Dean, Graduate School of Frontier Sciences, the University of Tokyo

Dr Deguchi moderated the Session 2-2 in the theme of Smart City. Special speeches by MLIT and seven presentations by APEC economies were conducted.

4.1 Special Speech by MLIT

Mr Soshi MURAKAWA, Director, International Negotiations Management, International Policy, MLIT reported the result of pre-conference questionnaires, listing definitions of Smart City by the economies as better public services, competitiveness etc. He also disclosed that major challenges in achieving Smart City were transportation and e-Government system, while the priority challenges in the process of projects were identified as leadership, the arrangement of laws/regulations, and the partnership with the private sector.

4.2 Special Speech by Mr Yukihiisa TOKUNAGA, Deputy Director-General for Engineering Affairs, City Bureau, MLIT, Japan

Mr Tokunaga delivered a speech titled “Toward Realization of Smart Cities,” in which he presented Japan’s policies and initiatives for Smart City. While introducing two developments as examples, he revealed the four policy directions such as cross-sectional initiatives, shift from technology-oriented to challenge-oriented. He concluded by presenting the ministry’s latest activities; the public-private collaboration, a launch of model projects, working as a bridge between local governments and the private sector, etc.

4.3 Presentation by China

Mr Zhiguang SHAN, Director General, Department of Informatization and Industry Development, State Information Center described the current status of Smart City development, citing the result of the survey revealing 70% of the cities were in the early stage of development. Regarding the top-level design and development strategies, he spelled out five principals including the good leadership and the good operation mode, to realize innovative smart cities which are considered as the

complex giant system.

4.4 Presentation by Korea

Dr Ick-Hoi KIM, Associate Research Fellow, Korea Research Institute for Human Settlements explained Korea's policies, starting with the history of smart city implementation. He then introduced the trend and the new directions toward the digital twin, the customized policy and the wide-area planning. Under the domestic smart city strategy, the creation of new pilot cities, expansion of existing smart cities and smart city-type urban regeneration are underway.

4.5 Presentation by Russia

After briefing the policy which obligates cities with a population of more than 100,000 to implement the smart city development, Mr Mikhail FAVOROV, CTO, «Big Three» LLC introduced the digital platform which enables cost-efficient, smart management of the public services. The company he represented developed the smartphone app which allows citizens to access to more convenient waste collecting and improves the driver's experiences.

4.6 Q&A/Discussion

(China)

I would like to have more detailed comments from Korea about the digital twin policy.

(Korea)

It has only been in the planning stage at the pilot testbed project and yet to have a specific plan.

(Moderator)

A digital twin is considered as one of the proactive approaches for simulation and analysis of the big data in the future. It would be a useful application.

4.7 Presentation by Singapore

Mr Chee How LEE, Regional Director, Economic Development Board (Tokyo Office) and Second Secretary (Industry), Singapore Embassy in Japan, on the basis of understanding that the concept of Smart City is embedding technologies on infrastructure to solve social issues, outlined Singapore's domestic strategy "A Smart Nation". With the diverse business ecosystem and digital talent resources, Singapore keeps exploring to transform the economy by bringing smart services such as transportation, security, healthcare, etc.

4.8 Presentation by Chinese Taipei

Mr Ming-Cheng CHEN, Engineer, Water Resources Agency, Ministry of Economic Affairs highlighted the role of the urban smart flood mitigation system in the disaster-vulnerable environment. He explained each element such as real-time monitoring and the early warning system which aims at the smarter disaster prevention. Summarizing the economy's actions, he expressed his hope to realize the flood-resilient smart city by creating a public-private model and IoT technologies.

4.9 Presentation by Thailand

Ms Kasama KONGSMAK, Vice President Digital Intelligence Strategy and Policy Department, Digital Economy Promotion Agency, Ministry of Digital Economy and Society stated that the economy's goal was set at a hundred smart cities by 2022, which started from ten in 2018. Showcasing typical projects in Phuket and the capital city of Bangkok, she introduced several key events regarding the theme in 2019 and invited active participation from APEC economies.

4.10 Presentation by United States

Mr Justin TULL, Development and Health Policy Officer, Economic and Scientific Affairs, Embassy of the United States explained how the economy gives a focus on smart cities to increase the public benefits. He added that the partnership between the United States and southeastern Asia could not only invite American investment into the region but also realize sustainable and digitally-transformed urban

development as a symbol of the economy's commitment to Indo-Pacific region.

4.11 Q&A/Discussion

(The Philippines)

It is confusing there are variations of the definition of Smart City. What are they, if you could put them into one or two concepts?

(Moderator)

The concept of Smart city is not only technology-oriented but human-oriented development. It focuses more on intelligence, analysis of the data in order to realize the people-centered society.

(Russia)

I would like to say thank you for reporting the results of the questionnaire. It helped me to understand what the smart city is.

(World Bank Group)

I would like to ask about the selection of the private sector to develop applications in Smart City projects. I wonder how you ensure the competitive environment and access to the data by other companies besides the giant tech platform companies.

(United States)

In some cities, the way contractors handle the data and how they present data to the cities are the differentiating factors in whether the platform companies are selected by the authorities. As people are more and more concerned about how the data is used and who can access it, it would become a concept we need to discuss more. Currently, in the United States, the cities are more involved in the decision making process than the citizens are.

(China)

As for a definition of Smart City, it should be understood as "Smarter City" rather than Smart City, in my opinion. In the age of information, development of Smart City never concludes but keeps evolving.

(The Philippines)

What are the components of "Smart Port" from the presentation by Thailand?

5 Session 3: Public Private Dialogue (16:40-17:20)

Moderator: Dr Seetha Ram KE, Senior Consulting Specialist for Capacity Building and Training Projects, Asian Development Bank Institute (ADBI)

Moderated by Dr Ke, three Japanese companies presented their solutions and technologies regarding Smart City development.

5.1 Presentation by NEC Corporation

Mr Shinya KUKITA, Chief Engineer, Global Business Unit introduced the company's concept of "Data-Centric Smart City," which uses Europe-originated open source platform called FIWARE. NEC aims to create an open ecosystem in the development of Smart City allowing various stakeholders to access to the data. He expressed his aspiration to export the system to APEC economies based on the experiences in Europe and Japan.

5.2 Presentation by Softbank Corp.

Mr Tomoyuki IWAKUMA, Deputy Manager, Mobility Service Promotion Office System & Service Business Division, Information Services Development Division demonstrated how the system of short-distance smart electric vehicles could solve social issues such as traffic congestion and air pollution in the Philippines. While it could provide more predictable and reliable service as well as the flexible capacity, the system was able to generate jobs and improve productivity.

5.3 Presentation by TOKYU CORPORATION

Mr Hiroshi EGUCHI, Senior Manager, Development Section 1, Urban Development Division, International Business Headquarters detailed examples of the successful past achievements in the transit-oriented development including Futako-Tamagawa redevelopment in Tokyo. He then described the company's project in Binh Duong, Viet Nam which aims to create a modern and sustainable lifestyle based on Japanese expertise in the town management and the public transportation.

5.4 Q&A/Discussion

(Singapore)

I would like to ask what the advantages of the Japanese companies to do business abroad are and why they decided to expand outside Japan.

(TOKYU CORPORATION)

Urban development needs a long-term commitment and we have accumulated knowledge and know-how in the course of the company's long history. As the population of Japan is predicted to decrease, we decided to export Japanese urban development model in a package not only of condominiums but of various amenities in the community taking advantages of our experiences.

(NEC)

When I worked in Europe, I noticed people there had a good way of thinking in the long-term perspectives, which is very important in developing Smart City. We adjusted the European way to the Japanese environment when doing business in Japan. We would like to respect various ways of thinking in different parts of the world and bring the idea of Smart City to APEC economies.

(Moderator)

Just as infrastructure outliving people, Smart City should be something good for the next generation. I hope the private sector provides leadership.

6 Session 4: Wrap-up (17:30-17:50)

Mr Yuki, Co-Chair thanked the floor for contribution of the participants and summarized the conference. He hoped to encourage further cooperation among APEC economies and international organizations to step up in realizing QI and Smart City. Mr Garcia expressed his appreciation to the active participation of the economy, adding that the APEC economies should work closely in sharing information and generating cooperation tools regarding QI and Smart City to realize a sustainable, resilient and inclusive society. Mr Yuki concluded the conference and informed that the summary of the discussion would be circulated by Secretariat in a few weeks.