



# 10th Asia Smart City Conference

October 26th - October 28th, 2021

Building smart cities aiming  
for carbon neutrality through  
city to city collaboration  
under the influence of COVID-19

## 10<sup>th</sup> Asia Smart City Conference Event Schedule

1<sup>st</sup> Edition issued on 11<sup>th</sup> October 2021

**October 26<sup>th</sup> - October 28<sup>th</sup>, 2021**

**Thematic Webinars: 26<sup>th</sup> and 27<sup>th</sup>**

**Networking event: 27<sup>th</sup> and 28<sup>th</sup>**

**Main Conference: 28<sup>th</sup>**

**City of Yokohama**



## Date and Time

October 26<sup>th</sup> - October 28<sup>th</sup>, 2021

October 26<sup>th</sup> (Tuesday) 13:00 – 16:30 (JST)  
October 27<sup>th</sup> (Wednesday) 13:00 – 16:30 (JST)  
October 28<sup>th</sup> (Thursday) 10:30 – 17:30 (JST)

## Organizers

- Organizer : City of Yokohama
- Co-organizers : Asian Development Bank Institute (ADBI),  
World Bank Tokyo Development Learning center (TDLC)
- Supporters (Planned) : Cabinet Office, Government of Japan /  
Ministry of Foreign Affairs, Japan / Ministry of Finance, Japan /  
Ministry of Economy, Trade and Industry, Japan /  
Ministry of Land, Infrastructure, Transport and Tourism, Japan /  
Ministry of the Environment, Government, Japan /  
Japan International Cooperation Agency (JICA) / CITYNET /  
Smart City institute Japan (SCI-Japan) /  
Institute for Global Environmental Strategies (IGES) /  
Yokohama City University (YCU)

## Main Theme

Building smart cities aiming for carbon neutrality through city to city collaboration under the influence of COVID-19

## Background/Vision

We regard "Smart City Development" as sustainable city development. It should raise the quality of life of citizens by promoting well-balanced sustainable development and making use of diverse and innovative technologies created by public and private sector partnerships.

The Asia Smart City Conference (hereinafter referred to as "ASCC") is an international conference that brings together representatives from Asian cities, national governments, international organizations, academic institutions, and private companies, aiming to discuss on the realization of a sustainable city where economic growth and a favorable urban environment are compatible. At this conference, representatives from cities will share their vision for growth as well as their current challenges and needs; private companies and academic institutions will propose innovative solutions; international organizations will offer programs to support efforts by cities and private companies; and various best practices from around the world will be shared. Furthermore, we offer an occasion for participants to find new business opportunities. This year's conference will be held on Thursday, October 28th 2021, under the main theme

of " Building smart cities aiming for carbon neutrality through city to city collaboration under the influence of COVID-19". While enhancing the role as an information hub for smart city development in Asia, we will provide a wide range of meeting places for key players, such as conducting business matching using online, to create an economically, socially and environmentally sustainable city. We aim to create more business opportunities. In addition, the City of Yokohama has declared decarbonization by 2050 as soon as possible, and is developing various initiatives in collaboration with various stakeholders. At the 10<sup>th</sup> ASCC, we aim to contribute to the achievement of goals common to international community such as carbon neutrality and SDGs.

<Relevant Events>

October 16 (Saturday), 2021

International Academic Consortium Steering Committee (IACSC) Yokohama, by Yokohama City University, etc.

Middle of January, 2022

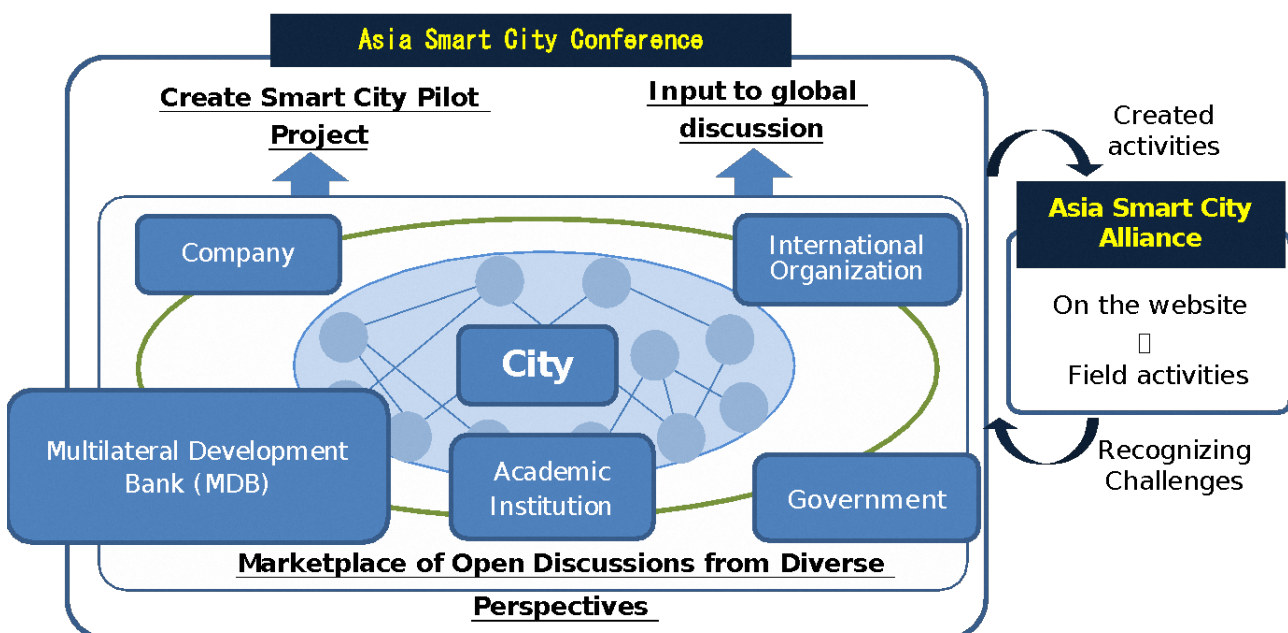
10th Asia Smart City Conference Follow-up Event by Yokohama City, etc.

**Characteristics of this conference**

The objectives and expected impact of the 10th ASCC are as follows;

- (1) Building the Marketplace for information and people on sustainable city development internationally, and creating business opportunities
  - ~Co-creation of translational applications and innovation solutions
- (2) Dissemination towards achievement of global goals including carbon neutrality and SDGs
- (3) Improving and enhancing the function of Yokohama as an information hub for solving urban issues

**Main activities of ASCC**



## Event Schedule

Date	Time	Channel 1	Channel 2	Networking Event
Oct.26	PM	<<Urban solution Webinar >>	-	-
Oct.27	PM	<<Circular Economy Webinar>>	-	Virtual Exhibition
<b>&lt;&lt; Main Conference &gt;&gt;</b>				
Oct.28	AM	<b>Introduction</b> International Affairs Bureau, City of Yokohama		Virtual Exhibition
		<b>Student Proposals for Future Urban Development toward the Realization of the SDGs and the New Urban Agenda</b> Yokohama City University, CITYNET Yokohama Project Office	<b>How Connecting with Startups Will Advance Your Smart Cities and Sustainability?</b> City of Yokohama Overseas Offices (New York, Frankfurt, Mumbai)	
		<b>Voluntary Local Review (VLR) of the SDGs: Accelerating transformation of cities</b> Institute for Global Environmental Strategies (IGES)	<b>Smart Cities in Japan, Europe and Asia – Realizing Co-creation Across Regions</b> Smart City Institute Japan (SCI-J)	
	<b>Greetings and Keynote Speeches</b>			
PM	<b>Integrated Approaches for Low-Carbon and Resilient Cities</b> Asian Development Bank(ADB), Asian Development Bank Institute (ADBI)	<b>New Urban Development from Yokohama</b> Yokohama Urban Solutions Alliance (YUSA)		
	<b>City-to-City Collaboration for Zero Carbon Society</b> Climate Change Policy Headquarters and International Affairs Bureau – City of Yokohama	<b>Low-Carbon Solutions in Designing Sustainable Cities</b> World Bank Tokyo Development Learning Center (WB TDLC)		
	<b>Closing Session ~Yokohama Declaration~</b>			

### **Urban solution Webinar by Yokohama companies on 26<sup>th</sup> October, 2021**

Through cooperation with urban development of its own city and urban development of overseas countries including Asia, the City of Yokohama has been accumulating various advanced technologies and solutions in the fields of city planning, construction, energy / environment, water treatment, waste treatment, communication, etc.

In this webinar session *Solutions from Yokohama to Accelerate Sustainable and Smart Urban Development*, Japan's leading companies and various companies from Yokohama will be presenting about their technologies and solutions in the field of smart city, carbon neutral and circular economy, focusing on their strengths and future plans for overseas business development.

As a keynote speech, we will have a presenter from the Smart City division of Barcelona City, the leading city in Europe for smart city development.

### **Circular Economy Webinar on 27<sup>th</sup> October, 2021**

The waste management session at the 9th ASCC identified new challenges faced by the local governments in Asia in managing municipal waste during the COVID-19. These challenges included the rapid increase of the generation of personal protective equipment (PPE) waste due to the spread of COVID-19 infection, while adequate waste collection and treatment systems for infectious wastes have not been fully established. Also, the measures have taken under the strong leadership of the Mayor of Mandaue in the Philippines were introduced. In this session, we will follow up on the discussions at the last session and identify measures to be taken based on the progress in Mandaue City.

In addition, we will broadcast a conference on circular economy organized by the Asian Development Bank Institute and other organizations.

Speakers:

<Moderator>

Dr. Premakumara Jagath Dickella Gamaralalage, Director, The IGES Centre Collaborating with UNEP on Environmental Technologies (CCET), Institute for Global Environmental Strategies (IGES)

<Presenter>

Ar. Araceli G. Barlam, Head, City Environment and Natural Resources Office, City of Mandaue

Ms. Angelica Alcantara, Solid Waste Management Focal Person for City Environment and Natural Resources Office, City of Mandaue

Mr. KONISHI Takeshi, Senior Managing Director and General Manager, Philippines Branch, GUUN CO., Ltd

**Main Conference 28<sup>th</sup> October, 2021****CHANNEL 1**

<b>10:30 - 10:35</b>	<b>Introduction</b>
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Speaker: International Affairs Bureau, City of Yokohama

**CHANNEL 1**

<b>10:40 – 11:40</b>	<b>[Thematic Session 1]</b> <b>Yokohama City University and CITYNET Session</b> <b>Student Proposals for Future Urban Development toward the</b> <b>Realization of the SDGs and the New Urban Agenda</b>
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In response to the SDGs, the New Urban Agenda for the realization of sustainable cities and smart cities has been compiled. In order to realize these goals, it is necessary to share knowledge, technology, and know-how internationally, as well as the efforts of many actors across attributes and generations.

Yokohama City University has established the International Academic Consortium for Sustainable Cities (GCI) with universities in Southeast Asian countries, and has been promoting academic exchange. On the occasion of the 12th International Academic Consortium for Sustainable Cities Symposium (IACSC) 2021 in Yokohama (October 16, 2021), an international student forum was held to share student proposals for sustainable city development. In this session, the results of the forum will be presented and the requirements and challenges for the realization of these ideas will be discussed from the standpoint of international cooperation and of each stakeholder.

Speakers:

<Opening remarks>

Dr. NAKAJO Yusuke, Vice President, Yokohama City University

<Moderator>

OMORI Fumihiko, Assistant Professor, GCI, Yokohama City University

<Presenter>

Dr. SUZUKI Nobuharu, Professor, Yokohama City University

Participants from the IACSC International Student Forum (three groups)

<Guest Professional>

Dr. Merlina G. Panganiban, Eng, EnP., Department Head, Urban Development Department, City Government of Makati

Mr. TAKEKIDA Masao, Executive Director for General Affairs Department, International Affairs Bureau, City of Yokohama

**CHANNEL 2**

<b>10:40 – 11:40</b>	<b>[Thematic Session 2]</b> <b>City of Yokohama Overseas Offices (New York, Frankfurt, Mumbai) Session</b> <b>Acceleration of Smart City and Sustainability Development through Collaboration with Startups</b>
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In recent years, ASCC has also evolved as a place to discover business opportunities. In an era of volatility, uncertainty, complexity and ambiguity (VUCA), startups are emerging to offer new technologies and solutions, and their presence is increasing in the areas of smart cities and sustainability.

Therefore, to support smart city technology and sustainable development, we will hold a panel discussion with global startup support experts who are involved in collaboration with startups in the smart city and sustainability fields to answer the question: "How can companies and cities cooperate with global startups?"

**Speakers**

<Introduction>

Mr. YAZAWA Toshikazu, Office of the City of Yokohama Rep. to the Americas, Director

<Keynote Address>

Passakorn Chairat, Department of Industrial Promotion, Deputy Director General (Thailand)

<Moderator>

Mr. Nikolai Muth, Office of the City of Yokohama Rep. to the Americas, Project Coordinator

<Panelists>

Mr. TAKAHASHI Masami, President, Scrum Studio Co., Ltd.

Mr. Christian Schmitz, PDIE Group, Founder

Mr. HIKITA Akihiro, Global DX Inc., Managing Director

**CHANNEL 1**

<b>11:45 – 12:45</b>	<b>[Thematic Session 3]</b> <b>Institute for Global Environmental Strategies (IGES) Session</b> <b>Voluntary Local Review (VLR) of the SDGs: Accelerating transformation of cities</b>
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Since the launch of the first "Voluntary Local Review (VLR)" reports by in 2018, the VLR movement has been accelerated. The number of VLRS published now exceeds 100 according to the second volume of the "Guideline for Voluntary Local Review" produced by UN-HABITAT and United Cities and Local Government (UCLG). One of the highlights in "High Level Political Forum (HLPF) 2021" (July 2021) is "VLR" as firstly quoted in the Ministerial Declaration.

VLR is recognized a framework to help cities to transform themselves more sustainable such through facilitating communication with stakeholders at local level and local innovation. This

session revisits the role of VLR in sustainable and resilient city development especially in the context of recovery of COVID19 and discuss how VLR movement can be further promoted in Asia such through city-to-city mutual learning.

Speakers:

<Opening Remarks>

Mr. TAKEUCHI Kazuhiko, President, Institute for Global Environmental Strategies (IGES)

<Moderator>

Ms. KATAOKA Yatsuka, Programme Director, City Taskforce, Institute for Global Environmental Strategies (IGES)

<Speakers>

Mr. MIYASATO Jun, Assistant Director to the Counsellor, Bureau for the Promotion of Local Innovation, Cabinet Office of Japan

Ms. Bernadia Irawati Tjandradewi, Secretary General, United Cities and Local Governments Asia-Pacific (UCLG ASPAC)

Mr. Anthony F. Pipa, Senior Fellow, Global Economy and Development, Center for Sustainable Development, Brookings Institution

<Reactor>

Mr. AKAOKA Ken, Executive Officer for Global Partnership & Network, Office of the City of Yokohama Representative to the Americas

## CHANNEL 2

<b>11:45 – 12:55</b>	<b>Thematic Session 4</b> <b>Smart City Institute-Japan Session</b> <b>Smart Cities in Japan, Europe and Asia – Realizing Co-creation Across Regions</b>
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Projects for building smart cities have already begun in Asia. Japan will co-create with Asia and Europe by using strength of Japan's smart city (technology to realize decarbonization, data utilization, mobility, etc. and circular economy with creating a citizen centric liveable city). It is necessary to propose smart city as a package and improve the business model of PPP. We will share the best practices in European cities that are leading the way in decarbonization efforts and realizing smart cities centered on the well-being of citizens. We will share responses to global common agenda such as climate crisis, population growth and destruction of the natural environment. We will explore cross-regional collaboration opportunities in Japan, Europe and Asia.

Speakers:

<Moderator>

Mr. NAGUMO Takehiko, Executive Managing Director, Smart City Institute Japan (SCI-Japan)

<Presenter>



Mr. MATSUNO Kenji, Deputy Director, Office for Promotion of Regional Revitalization, Cabinet Office, Government of Japan

Mr. MORI Yusuke, Director General, Policy Innovation Department, City of Tsukuba

Mr. Martin Brynskov, Chair, Open & Agile Smart Cities (OASC)

Ms. Kris V. Libunao, Executive Director and Chief Sustainability Officer, SmartCT

<b>12:45 – 13:30</b>	<b>Break</b>
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### **CHANNEL 1**

<b>13:30 – 13:50</b>	<b>Greetings and Keynote Speech</b>
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Greeting from organizer: Dr. YAMANAKA Takeharu, Mayor of the City of Yokohama

Keynote: Mr. YOKOTA Masafumi, Deputy Minister for International Projects, Ministry of Land, Infrastructure, Transport and Tourism, Government of Japan

Greeting from Co-organizer: Mr. Bruno Carrasco, Director General, Sustainable Development and Climate Change Department, Asian Development Bank

Greeting from Co-organizer: Mr. Sameh Wahba, Global Director of Urban, Disaster Risk Management, Resilience Land Global Practice, World Bank

### **CHANNEL 1**

<b>14:00 – 15:00</b>	<b>[Thematic Session 5] ADB/ADBI Session Integrated Approaches for Low-Carbon and Resilient Cities</b>
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Countries and cities have an unprecedented opportunity to use the required interventions and accompanying stimulus to support a green, competitive, inclusive, and resilient future. Adopting a low-carbon and resilient recovery can generate economic benefits, create employment, increase food and energy security, and have strong health co-benefits. And such a low-carbon and resilient recovery does not demand economic compromise and does not necessarily require an increase in total investment. Smart urban solutions, including technologies, integrated planning, and green investments can contribute to this recovery pathway.

ADB has committed to align its operations with the Paris Agreement and ensure all project activities advance low-carbon, climate resilient-development pathways, or at least result in no harm to the Agreement goals. Join practitioners from ADB, city government, and the private sector to discuss how we can together embark on a low-carbon and resilient futureCarbon neutrality and smart city development

**CHANNEL 2**

<b>14:00 – 15:00</b>	<b>[Thematic Session 6] YOKOHAMA URBAN SOLUTION ALLIANCE Session New Urban Development from Yokohama</b>
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Based on the City of Yokohama's city-to-city collaborations, the City of Yokohama and Yokohama based companies have been providing solutions and formulating business projects in emerging countries to tackle various urban development issues under the Y-PORT platform. In recent years, supported by significant economic growth in the ASEAN region, we have seen powerful local private companies in these countries taking the lead in urban development instead of local governments. As a result, it seems a major paradigm shift has already occurred. YUSA is a business alliance composed of companies based in or have a business presence in Yokohama established in response to the above shift in Asia's urban development. We have a cooperation agreement with the City of Yokohama, and we aim to provide our clients with the city development & management knowledge of the public sector combined with the related technologies & services of the private sector, to realize the modern lifestyle of Yokohama, the most livable city in Japan.

In this session, we will introduce our three key strengths of "superior urban planning", "Yokohama's urban development and management expertise", and "smart technologies", and discuss urban development in this new age of carbon-neutrality and SDG's.

Speakers:

<Moderator>

Mr. YAMAGUCHI Yasuhiro, Advisor, YOKOHAMA URBAN SOLUTION ALLIANCE (YUSA)

<Presenter>

Mr. TAKAHASHI Gen, General Manager, Public Sector Partnership, Overseas administration department

Mr. HIRANO Kuniomi, General Manager of Urban Development Department, Nippon Koei Co., Ltd.

Mr. ORII Ryoichiro, Executive Director of Development Cooperation, City of Yokohama

**CHANNEL 1**

<b>15:05 – 16:05</b>	<b>Theme Session 7 City of Yokohama Climate Change Policy Headquarters and International Affairs Bureau) Session City-to-City Collaboration for Zero Carbon Society</b>
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It is now a common trend between various countries and cities to achieve the targets set by the Paris Agreement on decarbonization by 2050. Various industries in Japan are accelerating

their challenges to achieve decarbonization by 2050.

In this session, in order to realize a carbon-free society, the importance of cooperation between cities of various scales and regional characteristics, knowledge sharing between the cities and enhancement of these activities to a world-wide scale will be discussed. In addition, the speakers will discuss the significance of decarbonization in cities as an investment environment improvement.

Speakers:

<Moderator>

Mr. KATO Makoto, Board of Directors/General Manager, Project Development Department, Overseas Environmental Cooperation Center, Japan

<Presenter>

Mr. Thawachai Saengkhamasuk, Director of Capacity Building and Outreach Office, Thailand Greenhouse Gas Management Organization (TGO)

Mr. Wirat Manassanitwong, Director General of Department of Environment, Bangkok Metropolitan Administration (BMA)

Mr. SUGIMOTO Ryuzo, Director, International Cooperation and Sustainable Infrastructure Office, Ministry of the Environment, Government of Japan

Mr. OKUNO Shuheji, Deputy Director General, Climate Change Policy Headquarters, City of Yokohama

Mr. KANEKO Tadahiro, General Manager, Sustainable Business Promotion Department, Tokyo Head Office, Sumitomo Mitsui Banking Corporation

## CHANNEL 2

<b>15:10 – 16:10</b>	<b>[Thematic Session 8]</b> <b>World Bank Session</b> <b>Low-Carbon Solutions in Designing Sustainable Cities</b>
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High density of cities has enabled the conditions for productivity gains and income growth but has also resulted in new urban issues challenging the path to sustainable development. In this backdrop, global cities have been strengthening their commitments towards sustainable development and adopting strategies to meet UN SDGs and Paris Accord targets. For developing countries, smart solutions leveraging low-cost and high-impact technologies are widely available in designing sustainable cities, but these solutions require careful planning and coordination to ensure growth that resilient and inclusive.

Segment 1: Role of the World Bank in Fostering Smart City Development (15 minutes)

- Insights into the status of the global smart cities through the perspective of the World Bank Global Smart City Partnership Program (GSCP)
- Lesson learned from the GSCP experience in supporting smart city development and initiatives

Segment 2: Smart Solutions towards Reducing Carbon Emissions (35 minutes)

- This session explores the Japanese smart solutions geared toward reducing carbon emissions. The City of Kitakyushu, Toyama, and Yokohama will each present on smart solutions within their city.

Speakers:

**Segment 1**

<Moderator>

Mr. Victor Mulas, Senior Urban Specialist and TDLC Team Lead, World Bank

<Panelist>

Ms. Narae Choi, Senior Urban Development Specialist, World Bank

**Segment 2**

<Moderator>

Mr. Victor Mulas, Senior Urban Specialist and TDLC Team Lead, World Bank

<Panelist> Speaking order to be confirmed

Mr. ARIMA Takanori, Executive Director, Overseas Environmental Project Department, Kitakyushu Asian Center for Low carbon Society, Environment Bureau, City of Kitakyushu

Mr. AOYAMA Tetsuya, General Manager, Office of Strategic Planning and Resilience, City of Toyama

Mr. OKAZAKI Shuji, Director of Project Promotion Division, Climate Change Policy Headquarters, City of Yokohama

<b>16:10 – 16:20</b>	<b>Break</b>
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**CHANNEL 1**

<b>16:20 – 17:30</b>	<b>Closing Session ~Yokohama Declaration~</b>
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By looking back at the Asia Smart City Conference, started in 2012, we will view the changes in the environment surrounding cities and the changes in the way the cities should take in response. In addition, looking back on the discussions at the 10th ASCC, we will discuss with experts the roles, functions, possibilities, etc. required of future cities to summarize and establish the Yokohama Declaration.

<Yokohama Declaration>

Dr. YAMANAKA Takeharu, Mayor, City of Yokohama

<Moderator>

Mr. HASHIMOTO Toru, Director General, International Affairs Bureau, City of Yokohama

<Commentators>

Dr. SONOBE Tetsushi, Dean/CEO, Asian Development Bank Institute

Mr. Victor Mulas, Senior Urban Specialist and TDLC Team Lead, World Bank

Mr. NAGUMO Takehiko, Executive Director, Smart City Institute Japan (SCI-Japan)

Dr. SUZUKI Nobuharu, Professor, Yokohama City University

Mr. KORESAWA Atsushi, Regional Representative for Asia and the Pacific, United Nations Human Settlements Programme (UN-Habitat)

Dr. Bindu Rohani, Special Advisor, Y-PORT Center

### About Virtual Exhibition 27<sup>th</sup> – 28<sup>th</sup>, October, 2021

As one of the showcase of the event that corresponds to the corona era, exhibition spaces, lounge, etc. will be set up on the virtual platform. In the exhibition space, local companies, academic institutions / research institutes, public institutions, etc. related to urban solutions in the City of Yokohama will exhibit, and the person in charge of each organization will stand as an explainer.

Participants will be expected to enter the virtual space during the pre-registered tour time and experience the virtual space on a tour guided by the secretariat of ASCC.

Since the capacity is limited in the virtual space, please make an early reservation.

Date	Time	Room 1	Room 2
Oct.27 (Wed.)	13:00 – 14:20	Carbon Neutral	Circular Economy
	14:30 - 15:50	Carbon Neutral	Circular Economy
Oct.28 (Thur.)	10:00 – 11:20	Carbon Neutral	Smart City
	11:30 – 12:50	Carbon Neutral	Smart City
	13:30 – 14:50	Circular Economy	Smart City
	15:00 – 16:20	Circular Economy	Smart City



“Yokohama Landmark Tower Dockyard Garden” and “Yokohama Red Brick Warehouse”

Image of virtual exhibition halls

**About Business Matching System 26<sup>th</sup> – 28<sup>th</sup>, October, 2021**

In order to build sustainable cities, we are constantly holding online business matching events between Yokohama-related companies and companies and international organizations in emerging cities and countries, especially in Asia during this event. We hope you will join us.

**【For inquiries】 Asia Smart City Conference Secretariat  
International Affairs Bureau, City of Yokohama  
ki-asc@city.yokohama.jp TEL +81 (0)45-221-1211**



Please check our website for more information about the 10<sup>th</sup> Asia Smart City Conference

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Report for the 9th Asia Smart City Conference

【Video】[https://www.youtube.com/watch?v=kIBIhet7\\_\\_U](https://www.youtube.com/watch?v=kIBIhet7__U)

【Report】

[https://yport.city.yokohama.lg.jp/wp-content/uploads/2021/03/ASCC-report\\_en.pdf](https://yport.city.yokohama.lg.jp/wp-content/uploads/2021/03/ASCC-report_en.pdf)



【Video】



【Report】

**Please note that the program content and time schedule shown in this document are subject to change without notice.**