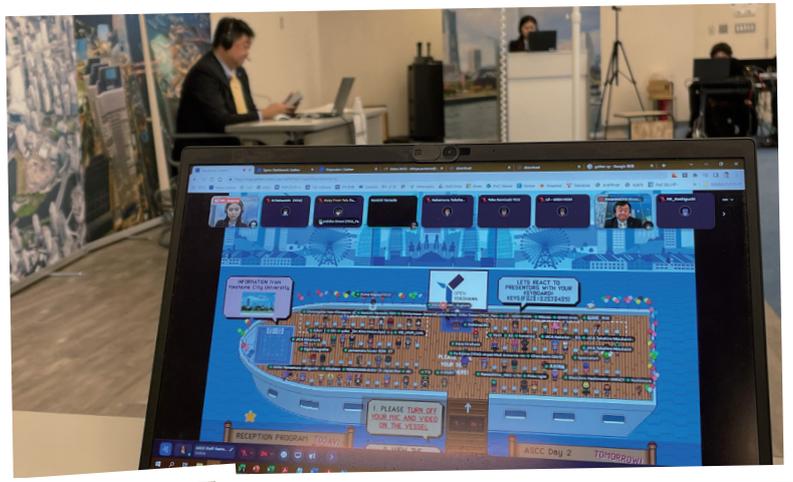


Y-PORT  
CENTER  
GALERIO  
ANNUAL  
REPORT  
2022-2023

# GALERIO Activities 2022~2023





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## INTRODUCTION

# About GALERIO Committee

## ■ About GALERIO

GALERIO was established in 2020 in the Y-PORT Center Public-Private Partnership Office as a base for further accelerating the overseas transmission of Yokohama city solutions. GALERIO, equipped with communication functions and VR content, will hold international conferences and workshops with related parties in Japan and overseas. The name GALERIO is taken from the publicly-safe Esperanto language, which means Gallery in English, with the purpose of acting as a bridge between each language and culture. The name was given in the hope that it will be a place where people from Japan and overseas can easily gather together, where information on Yokohama's urban development and urban development can be summarized.

## ■ About GALERIO Committee

The "Yokohama Declaration" presented at the 10th Asia Smart City Conference last fiscal year took a different direction from the previous one, from the development of a social environment that leads to higher productivity and higher incomes for urban residents, such as higher urban density, to the direction of responses toward the achievement of the SDGs, including responses to COVID-19. The City of Yokohama is working to develop a decarbonized and smart city development strategy. The GALERIO Planning Committee is a committee composed of the City of Yokohama and international organizations and academic institutions that have worked with the City of Yokohama in various ways. The GALERIO Planning Committee is an organization that realizes GALERIO's objective of disseminating Yokohama's urban solutions to the rest of the world.

## ■ About GALERIO Annual Report

The GALERIO Annual Report is intended to be used as a communication tool for high-level officials of local governments and developers who are responsible for urban development in Asian countries, by disseminating and sharing widely the contents of discussions held by the GALERIO Planning Committee, an overview of this year's Asia Smart City Conference, and the collaborative activities of GALERIO and each member organization of the GALERIO Planning Committee.

Three roles and six functions of GALERIO

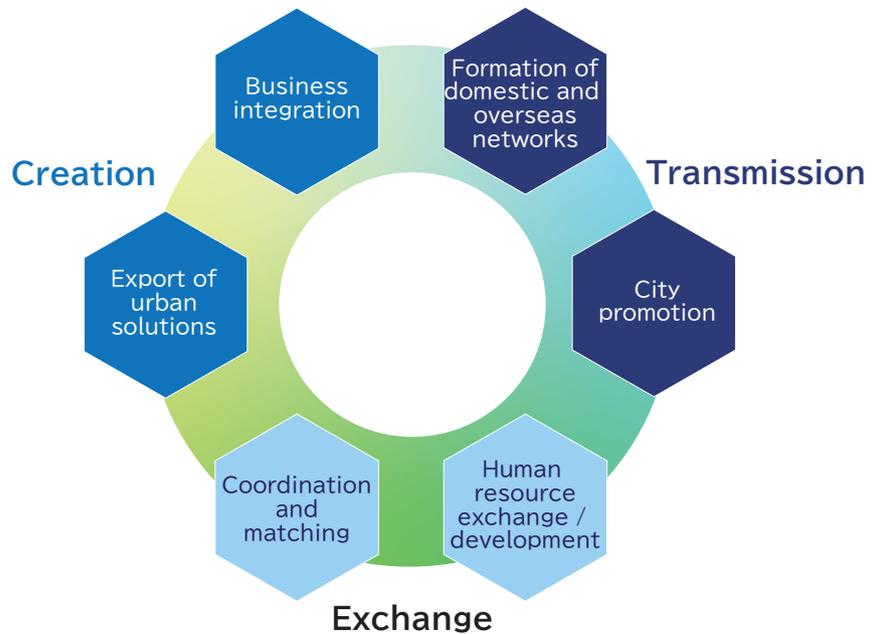
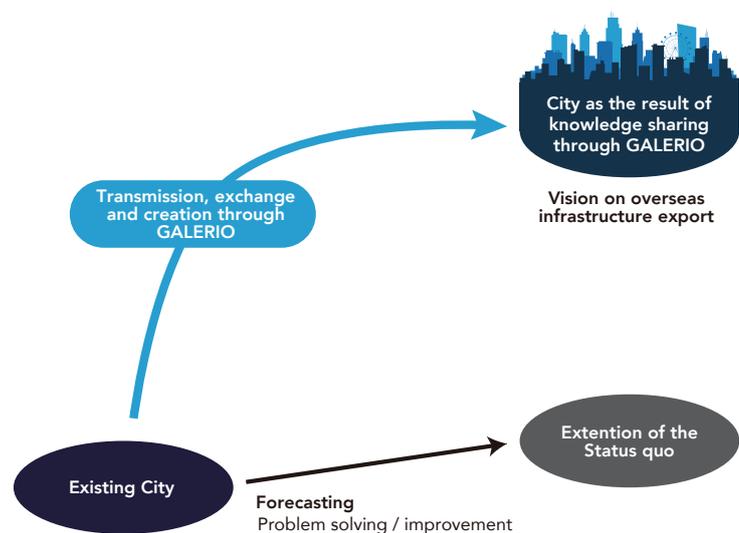


Image of urban development promoted by GALERIO as an innovation hub



INTRODUCTION

# About the Committee Members and their Relationship with the City of Yokohama



**Asia Development Bank Institute**

### Connection with Yokohama City

- The Asian Development Bank (ADB) and the City of Yokohama signed a Memorandum of Understanding (MOU) to promote cooperation between the two in 2013.
- Cooperation in the Asia Smart City Conference. ADBI will participate as a co-manager from the 7th conference onward.
- In 2019, the cities of Batam, Indonesia; Danang, Vietnam; Mandaue, Philippines; and Suva, Fiji will be invited to conduct training on solid waste in collaboration with the ADB.



Mr. Tetsushi Sonobe



**Institute for Global Environmental Strategies (IGES)**

### Connection with Yokohama City

- IGES and the City of Yokohama signed an Agreement on Collaboration and Cooperation in 2015.
- JICA Grassroots Technical Cooperation for Danang City, Vietnam (Model Project for Promotion of General Waste Separation and Collection in Danang City - Horizontal Development of Yokohama G30/3R Dream (Slim) - (Phase II)), Ministry of the Environment's Intercity Cooperation Project for Realization of Decarbonized Society (Yokohama and Da Nang Intercity Cooperation Project to Support the Formation of a Decarbonized Society) jointly implemented by the cities of Yokohama and Da Nang.
- Discussions on international cooperation methods utilizing VLR
- Collaboration in international conference (ISAP) organized by IGES



Ms. Yatsuka Kataoka



**Smart City Institute Japan**

### Connection with Yokohama City

- Yokohama City is a supporting member of SCI-J.
- Y-PORT project initiatives are widely disseminated to SCI-J members.



Mr. Takehiko Nagumo



**Japan International Cooperation Agency**

### Connection with Yokohama City

- JICA and Yokohama City signed a Comprehensive Collaborative Agreement in 2011.
- The agreement includes cooperation through the Y-PORT project, JICA grassroots technical cooperation projects, acceptance of JICA issue-specific, country-specific, and youth training programs, courtesy visits by Japan Overseas Cooperation Volunteers to City Hall, delivery of lectures by JICA Yokohama at city schools, and personnel exchanges of staff members.
- Cooperation in events related to our sister city's anniversary, Africa, etc. Cooperation in events related to Africa and other areas
- Cooperation in support of Odessa, Ukraine



Mr. Tatsuhiro Mitamura

Tokyo  
Development  
Learning  
CenterPRESENTED BY  
WORLD BANK GROUP

## World Bank Tokyo Development Learning Center

### Connection with Yokohama City

- Participated in the Cities Partnership Program (CPP), a collaborative project promoted by the World Bank TDLC with six cities in Japan (Kitakyushu, Kobe, Toyama, Yokohama, Fukuoka, and Kyoto)
- Providing the City's knowledge at the "Interactive Training for Urban Development Professionals (Technical Deep Dive: TDDs)" for government officials from developing countries, organized by the World Bank TDLC.
- World Bank publishes "Yokohama Sourcebook," a document that summarizes Yokohama's expertise and knowledge on urban development.



Mr. Christopher Pablo



## Yokohama City University

### Connection with Yokohama City

- Serving as an observer on the Yokohama International Cooperation Promotion Council, which was established to promote and strengthen international cooperation in Yokohama City, and cooperating and collaborating in the city's international cooperation projects.
- Collaboration in the development of international human resources by presenting "student proposals for future urban development toward the realization of SDGs and the New Urban Agenda" at the Asia Smart City Conference.



Prof. Masahiko Nakanishi

## YNU Yokohama National University

### Connection with Yokohama City

- Yokohama National University and the City of Yokohama signed a Comprehensive Agreement on Collaboration and Cooperation for Urban and Regional Revitalization in 2013. Initiatives related to the development and exchange of human resources, urban revitalization, promotion of industry, and promotion of internationalization of the city and region are being promoted.
- Yokohama City supports JICA grassroots technical cooperation (an effective energy conservation improvement project for the citizens of Da Nang City, Vietnam) jointly proposed by Yokohama National University and Osumi Co.
- Yokohama National University provided knowledge and expertise in the development of a 3D city model for GALERIO content.



Prof. Satoru Sadohara



## YOKOHAMA URBAN SOLUTION ALLIANCE

### Connection with Yokohama City

- YUSA and the City of Yokohama signed a partnership agreement on international cooperation and infrastructure export through public-private partnership in 2017.
- In August 2021, the City of Yokohama designated YUSA as a regional revitalization promotion corporation for Y-PORT's regional revitalization plan.



Mr. Kazunari Doi

## City of Yokohama

### About

- The City of Yokohama promotes international projects based on the philosophy of growing with the world, including partnerships with overseas cities and international cooperation.
- The "International Technical Cooperation through Public-Private Partnership Utilizing Yokohama's Resources and Technology (Y-PORT) Project," which utilizes the city's urban development experience and corporate technology and know-how, has contributed to solving local urban problems in Asian cities in various fields such as waste recycling, water supply and sewage system development, and support for the introduction of green energy, together with local companies. Y-PORT Project" has contributed to solving local urban issues in Asian cities in various fields such as waste recycling, water supply and sewerage systems, and green energy.



Mr. Ryoichiro Orii

Column:

## Dialogue on Public-Private-Partnership and Future Cities



**MODERATOR**

**Mr. Toru Hashimoto**

Director General,  
Bureau of International Affairs,  
City of Yokohama



**SPEAKER**

**Mr. Bindu Lohani**

Special Advisor for Y-PORT Center



**SPEAKER**

**Ms. Mary Jane Crisanto Ortega**

Special Advisor for Y-PORT Center

### Reflection on the 11th Asia Smart City Conference

**Hashimoto:**

Thank you for attending this year's Asia Smart City Conference, and before we get to the comments from the two Y-PORT advisors, I would like to briefly summarize the three sessions at the 11th Asia Smart City Conference.

The decarbonization session, moderated by Ms. Pitchaya of the Asian Development Bank Institute, presented examples of decarbonization in Bangkok from Thailand, Makassar from Indonesia, and Yokohama from Japan, demonstrating that achieving carbon neutrality is a key long-term agenda item and that our accumulated know-how can contribute to achieving this goal as a practical tool to realize beneficial results for people. The session also included the importance of actively mobilizing the resources that cities have, the role of the private sector, perspectives on urban management from an investment perspective such as urban management and urban finance, the new ADB program CIC, and finally, the importance of city-to-city collaboration was discussed.

The second session, moderated by Ms. Kataoka of the Institute for Global Environmental Strategies, focused on the topic of urban management through the use of VLR and wellbeing indicators. During the discussion, examples of VLR for SDGs were introduced through the case of Yokohama. Ms. Kataoka summarized and explained VLR from a general perspective. Also, Mr. Nagumo, who leads the Smart City Initiative Japan, analyzed Yokohama through wellbeing indicators, which confirmed that this type of indicator is also useful for urban management. We were also pleased to have panelists from Da Nang City, Vietnam, who shared their views on smart cities, carbon neutrality, and city management from a Vietnamese perspective.

The theme of the last session was Designing Agile Cities for Greater Livability. This session was moderated by Mr. Christopher Pablo of the World Bank Tokyo Development Learning Center, who also mentioned the case of Croatia. There were very practical case presentations from Yokohama and Singapore, providing a global perspective on smart cities. The presentations were very rich in content, covering specific existing initiatives in Yokohama and futuristic urban development using advanced cutting-edge technology in Singapore. I would like to thank all the moderators and speakers once again.

Now I am pleased to invite our special Y-PORT Advisors Bindu Lohani and Mary Jane Ortega to join us today for the closing session of this conference. First, let me ask Ms. Ortega. What are your impressions of the discussions that took place at this year's Asia Smart Cities Conference?

### Yokohama as a Model City for Asian Cities

**Mary Jane Crisanto Ortega:**

Thank you very much for your time. I used to be the mayor of a small city in the Philippines, San Fernando City, which is still a developing city. At that time I saw firsthand the benefits of cities cooperating with each other by witnessing the development of cities like Yokohama. Learning how Yokohama developed after the war and became a model city to the point of supporting other cities, I began to think that we should be able to support other cities as well.

At this conference, I heard that Yokohama City has established very good programs with Danang City in Vietnam and Bangkok Metropolitan Administration in Thailand. This is truly a model of tripartite inter-city cooperation. On the other hand, it is not enough for three cities to cooperate with each other; it is also important to collaborate with institutions such as the World Bank, ADB, JICA, and IGES. Furthermore, we believe that by extending this to diverse sectors, we can achieve SDG 17 and all targets from SDG 1 to 16. We feel that this can only be achieved through partnerships and networking such as the ASCC. I commend the City of Yokohama for the digital and virtual way in which the Asia Smart Cities Conference was held, even in the midst of the



From the Closing Session of the 11th Asia Smart City Conference

spread of the new coronavirus. We strongly hope to continue our collaboration in the future.

**Hashimoto:**

Thank you very much, Mary Jane. Now I would like to ask Mr. Bindu as well. What are your thoughts on this discussion?

## Mid-to-long Term Plan, Resilience and ICT

**Bindu Lohani :**

Thank you. I would like to make three points after listening to this discussion. First, all but a few countries have agreed to create carbon neutral cities by 2050. At the municipal level, I believe that many cities have announced that they are aiming to become carbon neutral by 2050. Yokohama is one of them, and many other cities have also expressed their commitment. I am aware of the importance of a long-term plan toward 2050, and I have talked about this on various occasions. In addition to this, I believe that a mid-term plan looking ahead to 2030 will also be necessary, and that we should establish a roadmap to reduce carbon dioxide emissions by half by that time. In order to achieve this, I believe that many reviews will be necessary in each city, and we need to make this happen. I have been observing how efforts have been made in inter-city cooperation around the world, and I believe that in the future it will be important for countries that have already found a good way to do so to support countries that are trying to implement similar initiatives.

The second point is how to improve the resilience of cities. Some of the infrastructure built in the past did not take into account the effects of climate change. As a result, many cities are at risk of flooding and other damage. I have been involved in various infrastructure projects in the past, and a large amount of money is required for infrastructure development. On the other hand, it is also true that research is needed from various perspectives to determine what risks are involved and what adaptation and climate measures are necessary. That is why we need to mobilize all kinds of grants, etc. ADB is looking at how to increase the resilience of water supply infrastructure in cities. For example, we have know-how on how to retrofit drainage systems that were

designed without taking climate change into account. It is important to share such know-how between cities that already have experience and those that will face such challenges. Singapore is already implementing such initiatives, and there may be other good examples. We need to realize inter-city collaboration in the context of updating existing infrastructure to keep up with the times.

The third point is the use of digital technology. During the pandemic, the effectiveness of digital technology in online shopping and food delivery has been experienced firsthand. I believe that ICT has the power to further improve various services. In modern cities, many changes are occurring on a daily basis. Lifestyle, weather, business environment, transportation, etc. are changing at a dizzying pace. We must constantly consider how to use existing and new technologies wisely to improve various services. We are also able to utilize vast amounts of data for such considerations. In developing countries, there is a tendency to be concerned about the cost of implementing quality technology in the early years. While detailed analysis is necessary, looking at the entire lifecycle and considering the operational phases of various infrastructures, it is possible that high investments in the early stages may end up being more cost-effective. What is important is that public-private partnerships function effectively in introducing quality technology. Then we will not fall behind.

## For the Next Asia Smart City Conference

**Hashimoto:**

Thank you very much, Bindu. I would like to end this year's conference now, but thinking back, this year's conference started with a kick-off event on the first day with presentations by university students. I think this was a great addition to this year's conference. This year's conference was held entirely online, but we are beginning to see changes in the Corona situation, and we are beginning to see cross-border movements. So next year, we would like to hold this conference in a face-to-face format. I look forward to seeing you all in Yokohama. I would like to conclude this year's conference. Thank you very much.



Yokohama's declaration for zero carbon by 2050

**Feature 01**

**The 11th  
Asia Smart City  
Conference**

# 11th Asia Smart City Conference

~ The New Urban Development that Enables Sustainable Growth Through Public-Private Partnership ~

November 24~25, 2022



**Main Theme:** The New Urban Development that Enables Sustainable Growth through Public-Private-Partnership  
~Decarbonization, SDGs/VLR and Smart City~

**Dates:** November 24th (Thursday) and November 25th (Friday), 2022

**Organizer:** City of Yokohama

**Planner:** GALERIO Planning Committee (Asia Development Bank Institution / City of Yokohama / Institute for Global Environmental Strategies / Japan International Cooperation Agency / Smart City Institute Japan / World Bank TDLC / Yokohama City University / Yokohama National University / Yokohama Urban Solution Alliance)

**Supporters:** 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 / CITYNET

**Format:** Online (Webinar and metaverse)

**Participants:** Approximately 730 people

**Participating countries:** 38 countries

## Timetable

Date	JST	Channel	Type	Overview
Nov.24 (Thu.)	12:30~14:15	Metaverse	Reception	Reception for ASCC speakers and audiences
	14:30~17:30	Webinar	Business matching	Business matching between YUSA member companies and overseas business players
Nov.25 (Fri.)	13:00~13:10	Webinar	Opening	Greeting from the organizer
	13:10~14:20	Webinar	Session 1	Effective Measures Towards a Net-Zero Future in Asia and the Pacific
	14:30~15:40	Webinar	Session 2	City Operation through Utilization of Voluntary Local Review and Well-being City Evaluation Indicators
	15:50~17:00	Webinar	Session 3	Designing Agile Cities for Greater Livability
	17:00~17:30	Webinar	Closing	Closing Remark

Opening Session

# Greeting Speech from the Mayor of the City of Yokohama



**GREETING SPEECH**  
**Dr. Takeharu Yamanaka**  
Mayor, City of Yokohama



Participants of the 11th Asia Smart City Conference.

Hello, participants of the 11th Asian Smart City Conference. This is Takeharu Yamanaka, Mayor of the City of Yokohama. Thank you for joining the conference again this year. On behalf of the citizens of Yokohama, let me express my heartfelt appreciation for your participation. I would also like to express my sincere gratitude to all the international organizations whose support have made this year's conference possible.

The City of Yokohama, strives to achieve the SDGs by 2030 and decarbonization by 2050 through collaboration with a wide range of stakeholders. The Y-PORT project is one of our major initiatives, which provides global urban solutions through public-private partnership. We are proud to have been chosen as the host city of the Tokyo International Conference on African Development, or TICAD, three times. We consider ourselves to be the "closest city to Africa" in Japan, and we aim to host the next TICAD 9 again to further strengthen our robust friendship with Africa. In 2027, just ahead of the SDGs target year of 2030, we will also host a world-class international horticultural expo in Yokohama. We will

propose and share a new lifestyle and city model that coexist with nature to share with the world.

The Asia Smart City Conference has been held annually since 2012, with the main objective of realizing sustainable and smart urban development in Asia. The theme for this year's conference is "New Urban Development that Enables Sustainable Growth Through Public-Private-Partnership". On this theme, we will have three sessions on decarbonization, SDGs, and smart cities, and we hope that participants and experts will take this opportunity to actively share their knowledge and expertise. Like the past years, I hope that this conference will serve as a venue to enhance your networks and create new urban solutions and business opportunities.

The City of Yokohama will continue dedicating itself to tackle global urban issues alongside cities, international organizations, academia, and our private sector partners. Let us all work together to build a brighter future for tomorrow generations. Thank you.

Day 1

# Reception Session

12:30~14:05, November 24



## OPENING SPEECH

**Mr. Toru Hashimoto**

Director General, Bureau of International Bureau, City of Yokohama

## SPEAKERS

**Professor Masahiko Nakanishi**, Yokohama City University  
**Mr. Fumihiko Omori**, Visiting Researcher, Yokohama City University  
**Students** from Yokohama City University and overseas university

## REACTORS

**Mr. Sho Naya, Mr. Takahiro Mizukami, Mr. Kotaro Tsuchiya and Ms. Ginga Nakadai**  
 Japan International Cooperation Agency (JICA)

## Overview of the Reception Session

A reception was held in the 2D metaverse space. Opening remarks by the Director General of the International Affairs Bureau of the City of Yokohama, presentations by students from Yokohama City University and overseas universities (theme: new urban development in the digital age), feedbacks from the Japan International Cooperation Agency (JICA) on the presentations, and interaction among participants took place.

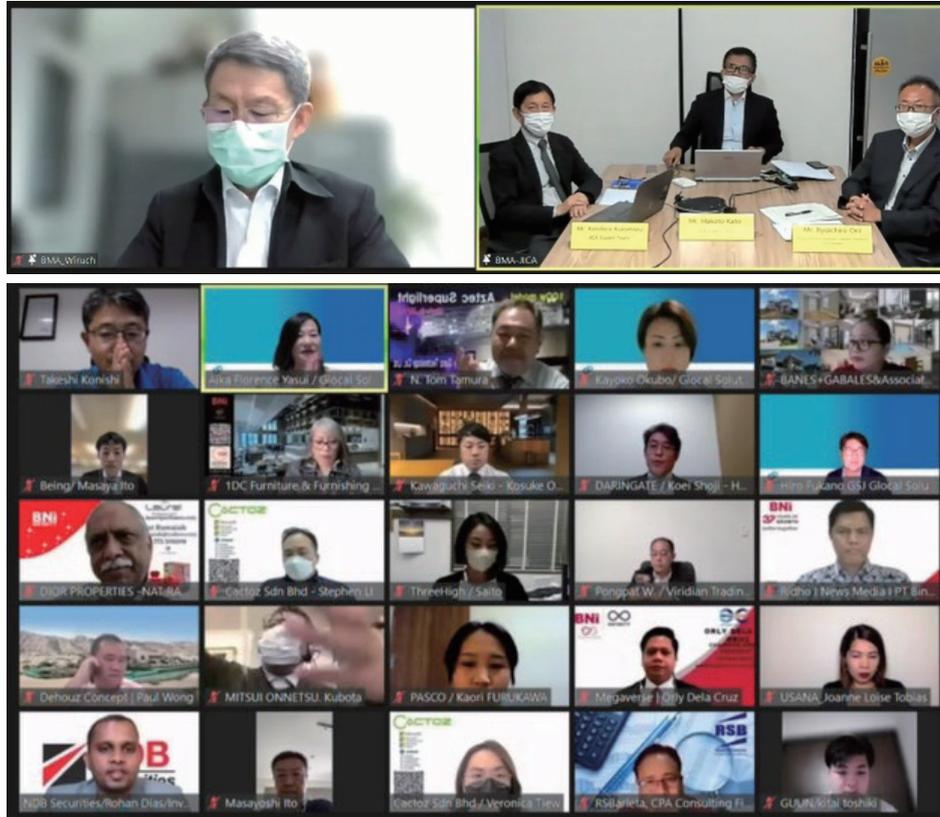


Venue for the reception session (2D metaverse space)

Day 1

# Business Matching between the Companies from Yokohama and Overseas

14:30~17:30, November 24



## ■ Overview of the Business Matching Session

A keynote session was held on the importance of public-private partnerships in city-to-city cooperation between Yokohama and Bangkok. In the business matching session, an online company pitches and exchange meetings companies were held. In addition, about a week after the exchange meetings, individual business meetings were held between interested companies for business development.

**Organizer:** YOKOHAMA URBAN SOLUTION ALLIANCE (YUSA)

**Format:** Online

**Participating companies:** 14 Japanese companies and  
16 overseas companies (Indonesia, Thailand, Philippines and Malaysia)

### Japanese companies (14 companies)

- T.K.K. Evolution
- Eneboom Inc.
- Takematsu
- PASCO
- Guun
- Aitec System
- Being
- Kawaguchiseiki
- Three High
- MACNICA
- MITSUI-ONNETSU
- JVC Kenwood
- TRipac
- KOEISHOJI

### Overseas companies (16 companies)

- PT Binokular Media Utama
- Centennial Food Corporation
- Richetec inc. & RTI System Automation Inc.
- RSBARLETA, CPA CONSULTING FIRM
- Menra International
- Urban Farm Tech Sdn Bhd
- Megaverse Technologies Inc.
- Tigernethost
- 1DC Furniture & Furnishing
- UHS Philippines Inc
- Ifern Corporation
- Dehouz concept
- Viridian Trading Co., Ltd.
- Cactoz Sdn Bhd
- NSPIRE Inc
- Banes + Gabales & Associate Builders, Inc

Day 2: Thematic Session 1 - Decarbonization Session

# Effective Measures Towards a Net-Zero Future in Asia and the Pacific

13:10~14:20, November 25

**MODERATOR****Ms. Pitchaya Sirivunnabood**

Deputy Head and Senior Economist, Capacity Building and Training Department, ADBI

**PANELIST****Mr. Pornphrom N.S. Vikitsreth**

Advisor to Bangkok, Environment Affair, Bangkok Metropolitan Administration

**MODERATOR****Mr. Satoru Sadohara**

Vice President, Yokohama National University

**PANELIST****Mr. Takeshi Ishikawa**

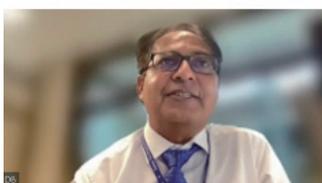
Director General of the Climate Change Policy Headquarters, City of Yokohama

**PANELIST****Mr. Sanjay Grover**

Unit Head of the Creating Investable Cities Initiative, ADB

**PANELIST****Mr. Helmy Budiman**

Regional Development Planning Agency, Government of Makassar City, South Sulawesi Province, Indonesia

**SESSION OVERVIEW**

Cities are the frontline in tackling climate change – representing both the biggest challenge and opportunity to limit global average temperature rise to 1.5°C above pre-industrial levels. Cities account for about 70% of global CO<sub>2</sub> emission, of which more than 50% come from Asia and the Pacific. The rapid urbanization of this region results in continuously increasing consumption of fossil fuels, while some 157 million people still don't have access to electricity. Meanwhile, Asia and the Pacific is the most disaster-affected region in the world, home to more than 40% of disasters and 84% of people affected. The risks will be further aggravated by global warming and climate change impacts.

In dealing with this challenge, cities in Asia and the Pacific need to step up its effort in low-carbon and resilient urban development towards a net-zero future. This decarbonization effort requires the right policy reforms, innovative technologies, enhanced collaboration among stakeholders, as well as better investments. Many cities, such as the ones in Japan, have announced net zero carbon dioxide emissions by 2050. Many others have also embarked on low-carbon journey in transition to a net-zero future. What are some of the measures taken? Which ones have proven to be effective? What opportunities exist for private sectors to better engage in realizing decarbonization efforts in cities in the Asia and the Pacific? What is the role of city governments in facilitating efforts to engage private sectors in for public good?

This session aims to share measures taken by cities and development institutions to achieve a net-zero future. It will also discuss how the private sector can participate in this decarbonization effort and the enabling role of city governments.

**KEY TAKEAWAYS**

- In addition to the City of Yokohama's "Zero Carbon Yokohama" and district cooling and heating initiatives, the Bangkok Metropolitan Administration is engaged in initiatives to achieve net-zero carbon, such as Earth Hour and the 1 million tree-planting initiative.
- Transformation of Makassar, Indonesia into a Smart City was announced. From the perspective of digitalization, the ideal form of an application to manage smart cities was discussed. The potential of a super-application to efficiently and effectively provide public sector and residential services and contribute to sustainable urban management was also discussed.
- International organizations expressed the necessity of infrastructure investment for the decarbonization of Asian cities and the importance of the role of local governments in governance and budgeting. It is also crucial to engage in concrete public-private partnerships and obtaining funds from national governments.

Day 2: Thematic Session 2 - SDGs/VLR/Well-being Index Session

# City Operation through Utilization of Voluntary Local Review and Well-Being City Evaluation Indicators

14:30~15:40, November 25



**MODERATOR**

**Ms. Yatsuka Kataoka**

Programme Director, City Taskforce,  
Institute for Global Environmental Strategies



**PANELIST**

**Mr. Le Minh Tuong**

Vice Director, Danang Department of  
Planning and Investment



**PANELIST**

**Mr. Ken Akaoka**

Director General for Global Network,  
International Affairs Bureau, concurrently serve  
as Executive Director, Office of the City of  
Yokohama Representative to the Americas



**PANELIST**

**Mr. Takehiko Nagumo**

Executive Managing Director,  
Smart City Institute Japan

## SESSION OVERVIEW



Higher densities in cities have created a social environment that has led to higher productivity and higher income for urban residents, but at the same time, these have led to new urban issues that hamper sustainable development. Under such circumstances, it is necessary to prioritize initiatives for creating sustainable cities that also contribute to the achievement of the SDGs and goals of the Paris Agreement. With the growing interest in SDGs, over 100 local governments around the world have published their VLR, a voluntary local review of progress on the Sustainable Development Goals, and the Japanese government has also expressed its positive support. VLR\* is expected to serve as a framework for encouraging the participation of regional stakeholders and regional innovation, and help cities become more sustainable.

In addition, the Liveable Well-Being City Index\*\* was formulated as an index for urban development that enhances citizens' sense of well-being by balancing objective and subjective index data on the current state of a city and matching it with global standards. As this index has been designated by the Digital Agency as a common index for local governments in the concept of a Digital Garden City Nation, it not only evaluates the current status of cities, but also provides ways to study potential policies to improve the happiness of the citizens.

How are the efforts of local governments and private companies to achieve the SDGs evaluated and reviewed? Also, what kind of action and what kind of approach should be taken to connect the evaluation and review to realize the sustainable development of the city? This session have covered the perspectives described above.

## KEY TAKEAWAYS

- Da Nang and other Southeast Asian cities are highly motivated to build cities with low environmental impact and high quality of life that attract investment interest. We can expect to see sustainable urban development through cooperation with international organizations and local governments that have know-how on SDGs. The possibility of contributions from the City of Yokohama to various parts of the world was also confirmed.
- The well-being index developed by SCI-J in Japan has already been introduced in Finland and can also be used in cities overseas, including those in Southeast Asia. It was confirmed that there is room for the Japanese government, companies, and the City of Yokohama to contribute to the formulation of subsequent initiatives using Japanese-style indicators as an approach to assess the current state of the city.
- Subjective data and objective data (government open data) related to the SDGs are necessary when using indicators. Subjective data is data obtained based on questionnaires, so there are still difficulties in terms of cost and response rate. Potential for contribution by the Japanese government and companies was also confirmed.

\*VLR (Voluntary Local Review): This is an international initiative in which local governments voluntarily review their own SDGs efforts and publish the results as a report that can be compared with other local governments

\*\*LWC (Liveable Well-Being City) Index: This is an index to improve local well-being and ensure sustainability by quantifying and visualizing citizens' "living ease" and "well-being" using indicators and promoting actions in response to the evaluation.

Day 2: Thematic Session 3 - Smart City Session

# Designing Agile Cities for Greater Livability

15:50~17:00, November 25

**MODERATOR**

**Mr. Christopher Pablo**  
Senior Urban Specialist and  
TDLC Team Lead, World Bank

**PANELIST**

**Mr. Shinken Sakawa**  
Chairman,  
YOKOHAMA MINATO MIRAI 21

**PANELIST**

**Mr. Alfonso Vegara**  
Special Advisor for Y-PORT Center

**PANELIST**

**Mr. Tan Xin Ji Alan**  
Senior Manager,  
JTC Corporation

**MODERATOR**

**Ms. Carli Bunding-Venter**  
Senior Urban Development Specialist,  
World Bank

**SESSION OVERVIEW**

One way to observe the value of a city is how it responds to the needs of people inside and outside the city boundary and see how it plays a role in attracting social and economic activities. It resonates with the concept of Agile City, which quickly adapts to changing needs across all areas of urban infrastructure and processes (World Economic Forum, 2018). Since before the COVID-19, Minatomirai has been constantly expanding the magnet functions of itself in response to changes in people's needs, realizing expansion of commercial and MICE facilities, establishing the innovation centre with corporate R&D facilities and the music city where people are entertained. In recent years, new lifestyles of post-COVID-19 have arisen due to changes in people's interests (working style, education, entertainment, safety, etc.), and the required urban functions will change accordingly.

Going forward, it will continue to be a common goal for cities around the world, to improve the attractiveness of cities by extracting people's needs and interests and reflecting them in urban development, and to increase the value of cities by inducing more social and economic activities. How are cities in Japan and overseas, including Yokohama, trying to achieve this? Also, from the perspective of smart cities, how are the latest technologies being utilized in these efforts? This session has covered the perspectives described above.

**KEY TAKEAWAYS**

- In order to build a sustainable smart city, it is necessary for residents, the economy, and the environment to function well. The status of the city is evaluated and presented as a dashboard using indicators that combine quantitative and qualitative data. The importance of not only promoting the development of new smart cities, but also introducing new knowledge into the development of existing cities was also discussed.
- In the Minato Mirai 21 district, determining how to connect the workforce and companies to foster new urban culture and industry is a challenge. Examples of efforts related to the four axes of open innovation (collaboration between businesses), music port (concentration of music facilities), formation of an art museum cluster, and the utilization of 5G were shared.
- In Singapore's smart city "PDD (Punggol Digital District)," the smart city platform "ODP (Open Digital Platform)" jointly developed by government agencies and companies enables centralized management of various information in the city, facilitating sustainable city management.



Day 2: Closing Session

# Closing Discussion by the City of Yokohama and the Y-PORT Advisors

17:00~17:30, November 25



**MODERATOR**  
**Mr. Toru Hashimoto**  
 Director General, International Affairs Bureau,  
 City of Yokohama



**SPEAKER**  
**Ms. Mary Jane Crisanto Ortega**  
 Special Advisor, Y-PORT Center



**SPEAKER**  
**Mr. Bindu Lohani**  
 Special Advisor, Y-PORT Center

## OVERVIEW OF THE CLOSING SESSION

The closing session reviewed the discussions that took place in each session of the 11th Asia Smart City Conference and a discussion took place on how to solve urban issues in ASEAN countries.

In order to achieve the long-term goal of carbon neutrality, the importance of public-private partnerships for multi-sector city management, which has been proposed at the Asia Smart City Conference, was reaffirmed.

Also, in solving urban issues, the focus was on utilizing digital technology. It was discussed that digital utilization costs should be considered from a long-term perspective, including the operation phase. At the same time, in order to bring about dramatic innovations such as the leapfrog phenomenon, sharing of knowledge is important, and the importance of city-to-city collaboration was especially discussed.

Finally, participants discussed the importance of continuing to disseminate information using social media, etc., in order to keep young people, the next generation of leaders, interested in city management.

## Participant Data

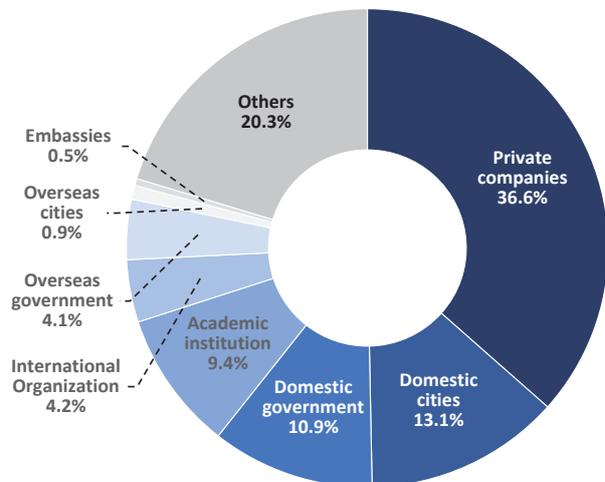
**Total participants:** Approximately 730 people

**Overseas participants:** Approximately 270 people

**Number of countries:** 38

**Countries and regions:** Japan, Phillipines, Cambodia, Indonesia, Bangladesh, Thailand, Nepal, Vietnam, India, Pakistan, Singapore, Myanmar, Malaysia, Mongolia, Armenia, Sri Lanka, China, South Korea, Fiji, Nigeria, Afghanistan, Uzbekistan, Egypt, Jamaica, Turkmenistan, Hungary, United States, Maldives, Morocco, United Kingdom, Australia, Kazakhstan, Canada, Spain, Norway, Papua New Guinea, South Africa and Laos (in order of participants number)

Affiliation of ASCC participants (%)



Affiliation of ASCC participants (people)

Affiliation	Private companies	Domestic cities	Domestic government	Academic institution	International organization	Overseas government	Overseas cities	Embassies	Others
Number	265	90	70	67	47	26	11	3	149

## ARCHIVE

You can watch the archive movie of the 11th Asia Smart City Conference from the Y-PORT Centre website of the City of Yokohama. You may also access the archive movie from the QR code on the right.

Link: <https://yport.city.yokohama.lg.jp/en/city-promotion/ascc>



### ▼ List of clips available



#### Thematic Session 01 Decarbonization Session

*Effective Measures Towards a Net-Zero Future in Asia and the Pacific*



#### Thematic Session 02 SDGs/VLR/Well-being Index Session

*City Operation through Utilization of Voluntary Local Review and Well-Being City Evaluation Indicators*



#### Thematic Session 03 Smart City Session

*Designing Agile Cities for Greater Livability*



#### Opening Session

*Greeting Speech from the Mayor of the City of Yokohama*



#### Closing Session

*Closing Discussion by the City of Yokohama and the Y-PORT Advisors*

**Feature 02**

**GALERIO**  
**Activities**

# Asian Development Bank Institute



## OUTCOMES AND FUTURE PROSPECT

- ADBI moderated the 11th Asia Smart Cities Conference to discuss efficient measures toward "Net Zero" in the Asia-Pacific region. ADBI also invited Makassar City, a city scheduled to participate in the Creating Investable Cities (CIC) Initiative hosted by ADBI, to strengthen collaboration.
- We will continue to work with the four ASEAN cities and Indian cities participating in the CIC Initiative to promote inter-city cooperation and business support with companies in the city.

# Institute for Global Environmental Strategies



## OUTCOMES AND FUTURE PROSPECT

- IGES moderated the 11th Asia Smart City Conference, discussing the management of cities through the use of voluntary municipal review and wellbeing city assessment indicators.
- IGES has conducted workshops and kick-off meetings with Da Nang City online, and these events have facilitated business exchanges between business groups in Da Nang City and Yokohama companies. Going forward, the two cities' governments and private companies will continue to engage in dialogue to create projects to improve the environment in Da Nang City.

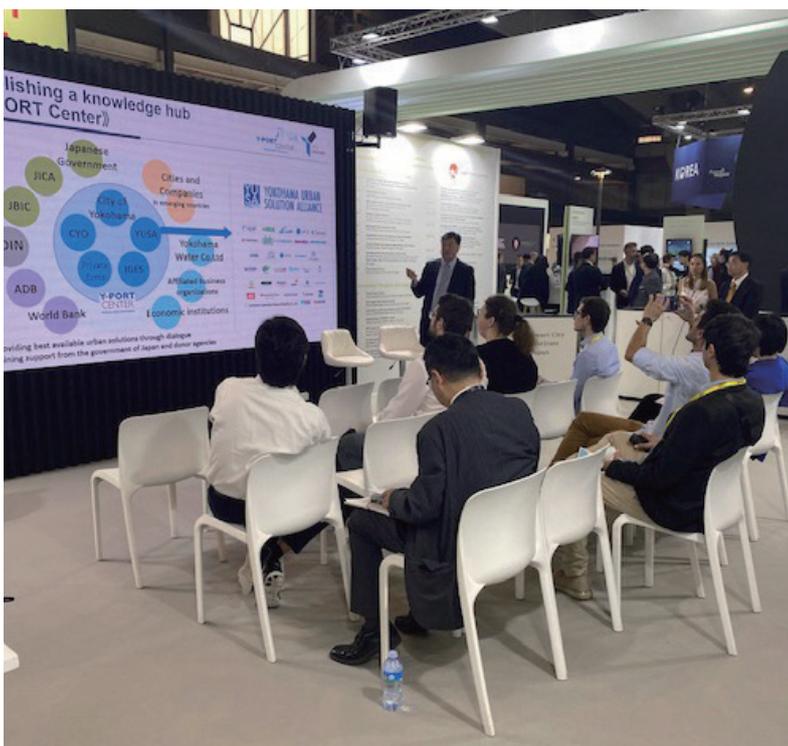
# Japan International Cooperation Agency



## ACTIVITIES

- In September, Yokohama City departments in charge of the Climate Change Master Plan 2013-2023 Implementation Capacity Enhancement Project of the Bangkok Metropolitan Administration of the Kingdom of Thailand collaborated to host a training course in Japan.
- The JICA training not only provided the trainees with knowledge of the City of Yokohama, but also provided an opportunity for City staff to review their own work by learning about the efforts of regions with different social conditions and values. The JICA training program has not only provided the trainees with knowledge of our city, but has also provided an opportunity for our city staff to review their own work by learning about the efforts of regions with different social conditions and values. We will continue our efforts to make the training a rich interactive learning experience.

# Smart City Institute Japan



## ACTIVITIES

- IGES moderated the 11th Asia Smart City Conference, discussing the management of cities through the use of voluntary municipal review and wellbeing city assessment indicators.
- IGES has conducted workshops and kick-off meetings with Da Nang City online, and these events have facilitated business exchanges between business groups in Da Nang City and Yokohama companies. Going forward, the two cities' governments and private companies will continue to engage in dialogue to create projects to improve the environment in Da Nang City.

## Yokohama City University



### ACTIVITIES

- At the 11th Asia Smart City Conference, students from Yokohama City University and overseas universities gave presentations (theme: New Urban Development in the Digital Age) in a 2D metaverse space to promote exchange among the participants.
- The participants also interacted with each other through the "Yokohama Urban Solutions Study (YUSS)," an educational program held at the end of November in collaboration with partner schools of Yokohama City University, and the "Sakura Science Program" organized by the Japan Science and Technology Agency (JST) in February, introducing the Y-PORT project and the Minato Mirai 21 district. The program also introduced the Y-PORT project and the Minato Mirai 21 district, and promoted exchange among participants. We will continue to promote the development of the next generation of international human resources by strengthening cooperation at events hosted by Yokohama City University and other organizations.

## Yokohama National University



### ACTIVITIES

- Yokohama City held a kick-off meeting for the JICA Grassroots Technical Cooperation Project (an effective energy conservation improvement project for the citizens of Da Nang City), bringing together all parties concerned, including Da Nang City, and made proposals for achieving urban carbon neutrality at the 11th Asian Smart Cities Conference.
- At the Asian Society for Environment and Urbanism conference held in December, we introduced the Y-PORT project and Yokohama City's initiatives using VR content, and promoted exchanges among participants. We will strengthen collaboration at events hosted by Yokohama National University and others to promote the development of the next generation of international human resources.

# YOKOHAMA URBAN SOLUTION ALLIANCE



## ACTIVITIES

- YUSA member companies held specialized subcommittees to promote collaboration among companies and create packaged urban solutions. In addition, regular discussions were held on the formation of projects for mixed-use development and smart city projects led by overseas private-sector companies, which are increasingly requesting cooperation from the City of Yokohama.
- By proposing solutions to overseas urban issues and business methods through public-private partnerships, related companies engaged in research projects utilizing government support programs, and YUSA engaged in urban development advisory service work for overseas private developers. YUSA also matches local business communities with Japanese companies through YUSA's partnership office. Through these efforts, we will continue to create overseas infrastructure business for companies centered in the city.

# Tokyo Development Learning Center, World Bank



## ACTIVITIES

- IGES moderated the 11th Asia Smart City Conference, discussing the management of cities through the use of voluntary municipal review and wellbeing city assessment indicators.
- IGES has conducted workshops and kick-off meetings with Da Nang City online, and these events have facilitated business exchanges between business groups in Da Nang City and Yokohama companies. Going forward, the two cities' governments and private companies will continue to engage in dialogue to create projects to improve the environment in Da Nang City.

# | The City of Yokohama

## (1) Y-PORT Projects

### ACTIVITIES

- Since 2012, the City of Yokohama has been hosting an international conference, the Asia Smart City Conference. For the 11th conference (2022), GALERIO was used as a base for the online conference to disseminate and share knowledge on advanced initiatives such as "Zero Carbon Yokohama," which aims to decarbonize the city by 2050, and the SDG Voluntary Local Review (VLR) in order to contribute to achieving the goals of the international community, including the SDGs and the realization of a decarbonized society.
- In collaboration with YUSA, the City of Yokohama have conducted business matching between local companies and overseas (business exchange at ASCC, etc.), Y-PORT workshops, promotion of exchanges with open innovation organizations in the city (exchange meetings with European startup companies), and a wide range of other activities, such as hosting visits from overseas (government agencies of various countries, JICA training, etc.), international organization events, academic organization events, and inter-city discussions with overseas partner cities. In addition, events for Ukrainian evacuees and training programs for human resource development within the agency were held. We will continue to activate GALERIO as a base for "information transmission," "exchange," and "creation".

## (2) Collaboration with in-house organizations



### ACTIVITIES

- The Food and Agriculture Organization of the United Nations (FAO), the United Nations World Food Programme (WFP), and the Resources and Waste Recycling Bureau of the City of Yokohama worked together for the summer holiday experiential learning program for elementary school students in Yokohama City "Let's Think about the World through Eating!" (Children's Adventure College), to help elementary school students learn about global food problems and food loss in their daily lives. At the same time, the Center also provided information on the SDGs initiatives of the Center's resident organizations.
- City of Yokohama held the opening ceremony of the Japan Liaison Office of the International Fund for Agricultural Development (IFAD), "Dining with the World" event (with IFAD and Environmental Planning Bureau) (held as an event during World Food Day month), and global career guidance for young people aiming for YOKE international cooperation and international organizations. We will hold collaborative projects with the Center's resident institutions to effectively disseminate the efforts of the institutions and our city both domestically and internationally.

※ International Cooperation Center Resident Institutions  
International Tropical Timber Organization (ITTO), Inter-University Center for Japanese Language Studies (IUC), Yokohama Association for International Communications and Exchanges (YOKE), World Food Programme (WFP) Japan Office, Food and Agriculture Organization of the United Nations (FAO) Liaison Office in Japan, International Fund for Agricultural Development (IFAD) Japan Office, CityNet Yokohama Project Office)

# Outcome at a glance

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approx.

**730**  
people

## Transmission



Approximately 730 participants from 38 countries attended the 11th Asia Smart City

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approx.

**340**  
people

## Exchange



Received about 340 visitors from 20 organizations

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## Creation



Initiation of overseas research and projects with companies in Yokohama City  
(Access the QR code for the cases of international cooperation projects by companies in Yokohama)

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## 11th Asia Smart City Conference in 2022

### Day 1 メタバース空間での交流会



### Day 1 ビジネスマッチングセッション



### Day 2 テーマ別セッション



Asia Smart City Conference  
YOKOHAMA





**Publisher**  
City of Yokohama

**Published in collaboration with  
GALERIO Committee Members:**

Asian Development Bank Institute  
Institute for Global Environmental Strategies

Japan International Cooperation Agency

Smart City Institute Japan

Yokohama City University

Yokohama National University

YOKOHAMA URBAN SOLUTION ALLIANCE

World Bank Tokyo Learning Development Center