

City to City Collaboration for Greener Future

Contents

1. Introduction of Yokohama city
2. Carbon Neutral Efforts in Yokohama
3. Roadmap toward Green Hub in Asia

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February 5th, 2025

1. Introduction of Yokohama city

Since 19th century



Yokohama Archives of History



City Profile

- Area: Approx. 435 km²
- Population: Approx. 3.8 million
(Second in Japan after Tokyo's 23 wards)
- Number of business establishments:
Approx. 120,000
(Fourth in Japan)
- Number of employees:
Approx. 1.48 million
(Third in Japan)

New Slogan of Yokohama



Dr. Takeharu Yamanaka

Mayor of Yokohama

Member of OECD Champion Mayors for Inclusive Growth

Board Member of Global Covenant of Mayors for Climate & Energy (GCoM)



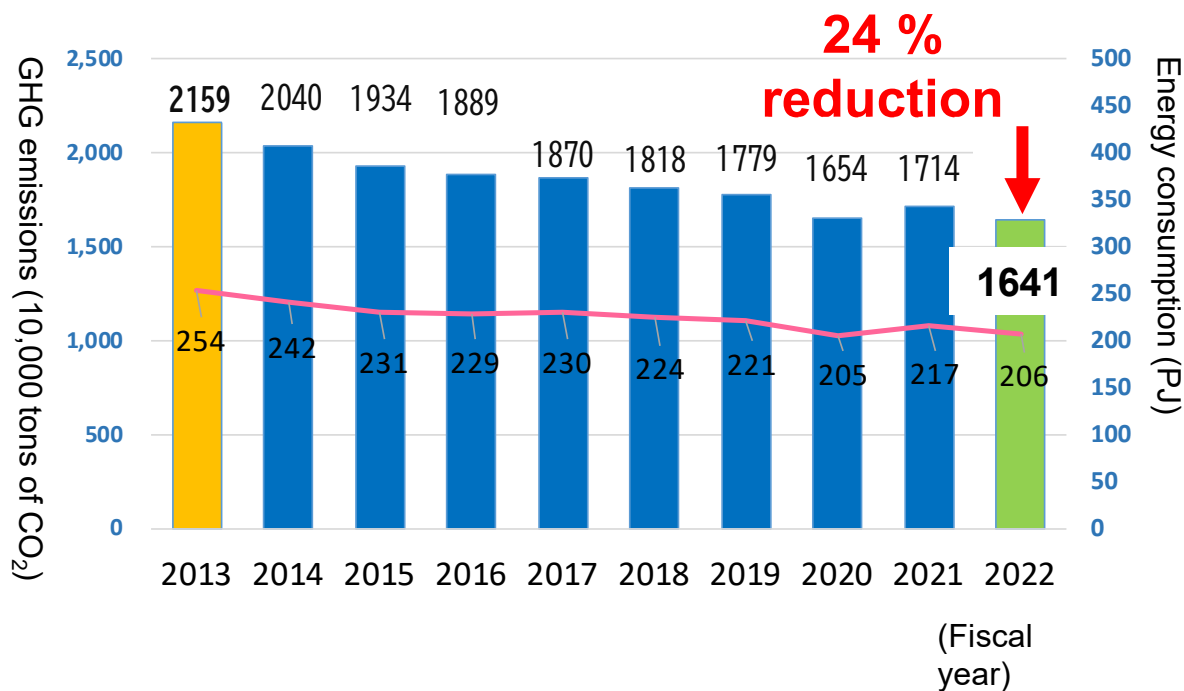
"GO GREEN" means "to take environmentally friendly actions."

"YOKOHAMA GO GREEN" was formulated as a slogan for the city, citizens, and businesses to work together to promote decarbonization and environmental measures toward the realization of a decarbonized society in 2050.

The slogan is set as a slogan for all environmental measures that will lead to the realization of a decarbonized society, including decarbonization measures, biodiversity, resource recycling, etc.

2. Carbon Neutral Efforts in Yokohama

GHG Emissions in Yokohama



2027

GREEN×EXPO 2027

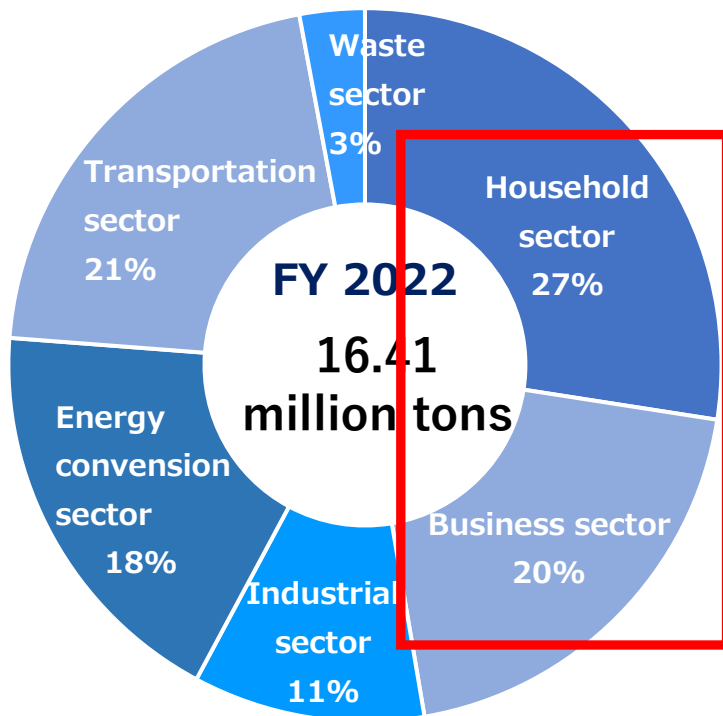
2030

**Achievement of 50%
reduction in GHG
emissions**

2050

**Realizing a
Net-Zero Society**

GHG emissions by sector



Four Core Pillars

1 Behavioral change of citizens

- ① Establishment of Yokohama Green Energy Partnership Project
- ② Subsidize equipment for condominiums to receive electricity from renewable energy sources in bulk
- ③ Promotion of sorting and recycling
- ④ Subsidy for decarbonization of community association halls etc.

2 Behavioral change of businesses

- ① Behavioral change toward decarbonization of SMEs
- ② Promotion of next-generation vehicles etc.

3 Decarbonization Innovation

- ① Promote installation of land-based power generation facilities on Osanbashi
- ② Accelerate efforts in the “Minato Mirai District” as a decarbonization leading area
- ③ Promote utilization of hydrogen and next-generation energy
- ④ Promote the use of next-generation solar cells etc.

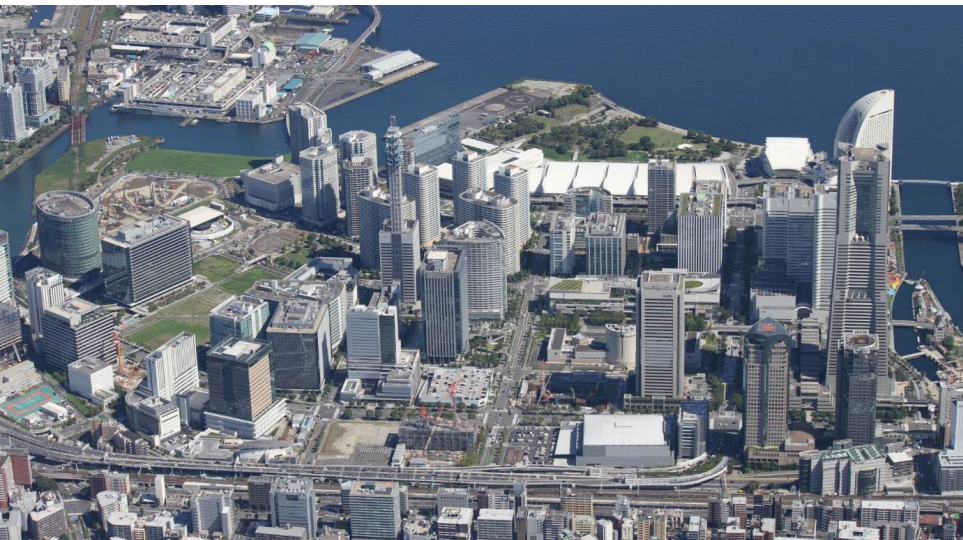
4 City Hall's initiative

- ① Promote the use of LEDs in all public facilities
- ② Projects to introduce solar power generation
- ③ Introduction of next-generation vehicles etc.

Net Zero Emission Toward 100% Decarbonization of Central Yokohama by 2030

YOKOHAMA
GO GREEN

Model district for carbon neutrality



By applying to have **Minatomirai 21** designated as one of the Government's **model districts for carbon neutrality**, the City of Yokohama aims to achieve net zero CO₂ emissions from its electricity consumption by FY2030 in business and commercial facilities in the district to take initiatives nationwide.



Net Zero Emission Toward 100% Decarbonization of Central Yokohama by 2030

YOKOHAMA
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The MM21 District Overview

Area	186 ha
Working Population	130,000
Annual Visitors	80 million



Energy Management with
National Largest District
Heating Provider



Heat

Aggregator

Electricity

Decarbonization
of heating

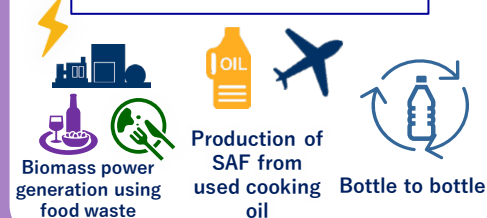
Electricity
Demand
response

Adoption of Hydrogen, Carbon-Neutral Gas, etc.

MM21 District



Waste Reduction & Utilization



Onsite Renewable Energy



Energy-Saving
Improvements

Promotion of ZEB
Development



Decarbonization
+SDGs events



Behavioral
transformation

District-wide zero carbon
actions



Decarbonization of
Mobility



EV Car Sharing

3. Our Roadmap Toward Green Hub in Asia

Sharing Expertise with Asian Cities

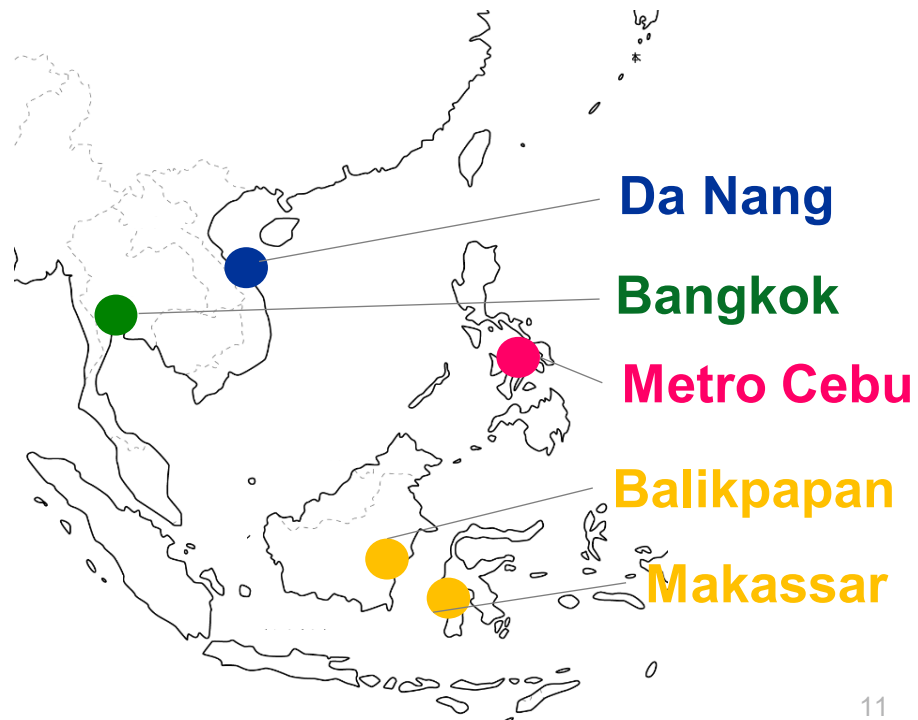


Japan International
Cooperation Agency

Yokohama City's Knowhow in Urban Development



Yokohama Companies' Technology



City to City Cooperation Since 2013



Sharing Knowledge
20+ mutual visits



ASCC 2023



Yokohama Declaration
towards Decarbonization

Bangkok Energy Action Plan



NextGen Solar Power Demonstration
(Perovskite Solar Cell)



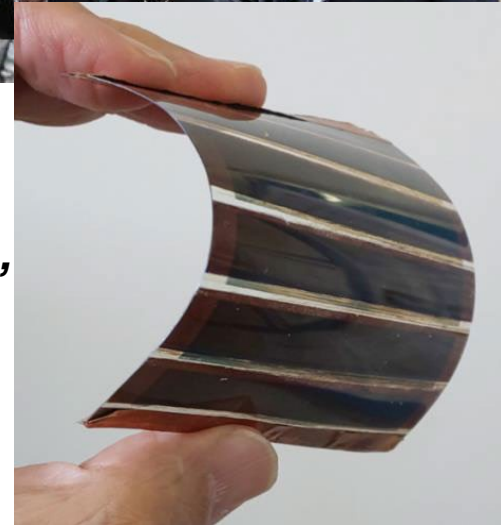
Bangkok, Thailand – Accelerating Energy Management

YOKOHAMA
GO GREEN

Facilitating the innovation and deployment of cutting-edge technologies with private-sector



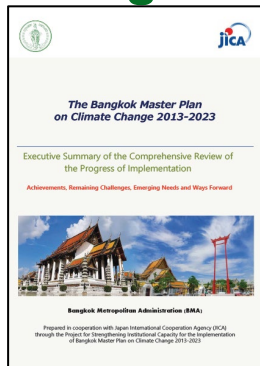
**Pilot project will be
launched for
“Perovskite solar cell”
by both of Yokohama
and Bangkok
companies**



Cooperation with Asian Cities

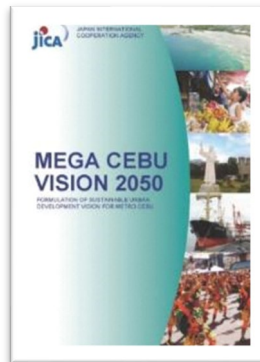


Bangkok



Cooperation in
Formulating
Masterplans /
Action plans

Metro Cebu



Da Nang



Yokohama
Companies
Contributing to
Decarbonization



- 844t CO₂ / year
Finetech Co., Ltd.



- 2,944t CO₂ / year
GUUN Co., Ltd.



- 738t CO₂ / year
Yokohama Water
Co., Ltd.

Yokohama Partnership of Resources and Technologies (Y-PORT) with wide range of expertise of Yokohama companies

YOKOHAMA
GO GREEN

YU
SA YOKOHAMA URBAN
SOLUTION ALLIANCE



株式会社オオスミ



カーボンフリーコンサルティング
株式会社



株式会社グーン



興業商事株式会社



株式会社Sansei



IFEエンジニアリング株式会社



株式会社竹中工務店



武松商事株式会社



T.K.K.エボリューション
株式会社



日本工営株式会社



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株式会社村田製作所



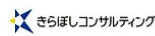
関西電力株式会社



管清工業株式会社



京セラ株式会社



株式会社
きらぼしコンサルティング



J&T環境株式会社



株式会社Jグリッド



株式会社JVCケンウッド



株式会社修成工業



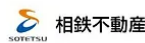
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積水化学工業株式会社



相鉄不動産株式会社



日揮グローバル株式会社



PwCアドバイザー会合会社



前澤工業株式会社



株式会社まち未来製作所



株式会社みずほ銀行横浜支店



株式会社三井住友銀行



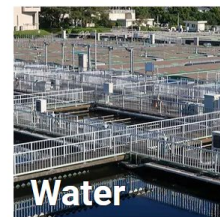
ユアサ商事株式会社



株式会社横浜銀行



Energy



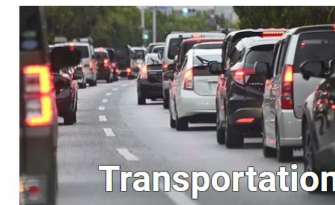
Water



Disaster Prevention



Urban Development



Transportation



Waste



Health Care



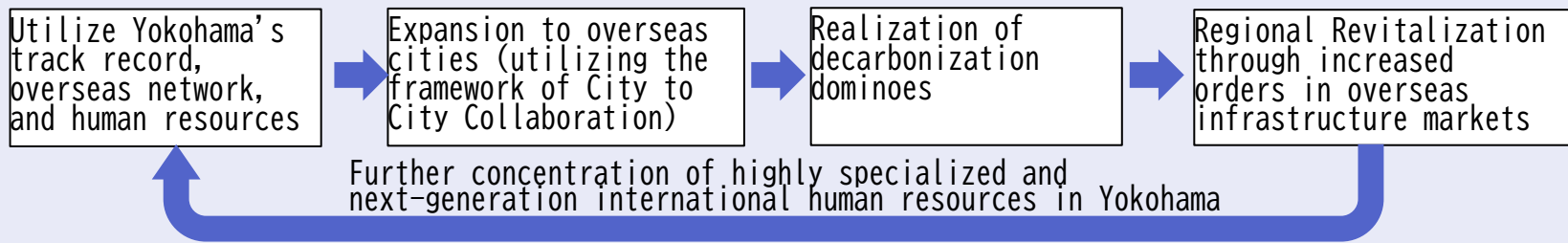
Others

New initiatives to support overseas decarbonization businesses

1. Project to create a Yokohama-style decarbonization ecosystem by promoting overseas decarbonization dominoes (FY2023–2025)

Implemented as a “FY2025 New Local Economy and Living Environment Creation Grants (2nd Generation Grants)” of the Cabinet Office

Image : Yokohama-style decarbonization ecosystem



2. A New Technical Cooperation Program has been Launched in FY2024

Program Name: Capacity Development of Local Governments for Sustainable and Carbon-Neutral Urban Development

Project to create a Yokohama-style decarbonization ecosystem by promoting overseas decarbonization dominoes



1. Implementation Structure & Project Details

Project Coordinator



Support for commercialization in the decarbonization sector
(Y-PORT Center)

Overseas Offices

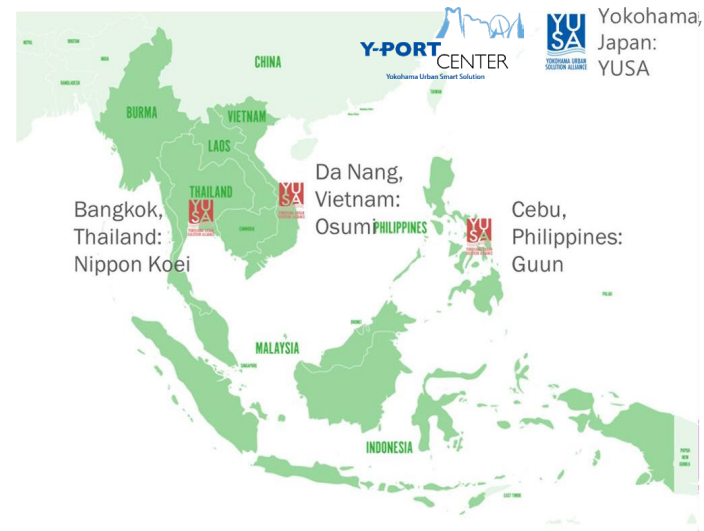


Gathering business information in overseas partner cities
(Cebu, Danang, Bangkok)

Business Networking Event



Business Matching Support
(Asia Smart City Conference, Bi-City Forum, etc.)



Plans for 2025

DA NANG URBAN DEVELOPEMET FORUM

May in Yokohama



Nov. in Yokohama

2. Major accomplishments in previous years

Business Matching Session was held in Da Nang City. With the cooperation of the Da Nang YUSA Collaboration Office (Osumi Vietnam Co., Ltd.) and the local chamber of commerce and industry, excellent technologies from companies in the city were introduced under the themes of IT, energy conservation, water, and waste that lead to decarbonization, creating business opportunities.



Through this business matching, a total service combining Osumi Vietnam's energy conservation diagnosis and countermeasure planning technology and a Vietnamese local company's countermeasure construction was realized. Construction results are expanding.



A New Technical Cooperation Program has been Launched in 2025



Capacity Development of Local Governments for Sustainable and Carbon-Neutral Urban Development

Objective: To disseminate the city's decarbonization efforts through public-private partnerships with all-Yokohama and city companies. This will enable us to disseminate information through training programs to overseas cities, mainly in Asia, and through JICA international conferences, with a view to holding GREEN X EXPO 2027.

Participating Country	6 (Philippines, Vietnam, Malaysia, Pakistan, Jamaica, Mexico)
Contents (Lectures and Site Visit)	<ul style="list-style-type: none">◆Opening Ceremony, Inception Report Presentation◆Yokohama City's Climate Change Policy: Changing Citizens' Attitudes and Lifestyles◆Observation of initiatives of City Hall◆Initiatives of the Resources and Waste Recycling Bureau toward the realization of a decarbonized society, and Site visit of a waste incineration plant◆ Site visit of cutting-edge technologies for water environment





Asia Smart City Conference in Yokohama

YOKOHAMA
GO GREEN

- A global conference where Asian cities, governments, international organizations, and corporations gather in Yokohama to share knowledge and introduce technologies and solutions for the realization of a sustainable green society.
- A Platform of Green Hub in Asia was disseminated from Yokohama to the international community.
- Held annually since 2012, the 13th conference was held in October under the theme of “Decarbonization.” 2,200 participants from 46 countries attended the conference, which featured 18 sessions with approximately 90 speakers.

<Supporters>





Parliamentary
Vice-Minister
Of the Environment



Director General and
Group Chief, Sectors
Group, ADB



Practice Manager
World Bank



Mayor of Cebu City



Mayor of Yokohama



Group photo with Mayor of Yokohama,
6 international organizations, and
39 overseas cities and institutions



Director General,
Global Environmental
Department, JICA



Asia Smart City Conference (ASCC)
in October 2024 in Yokohama

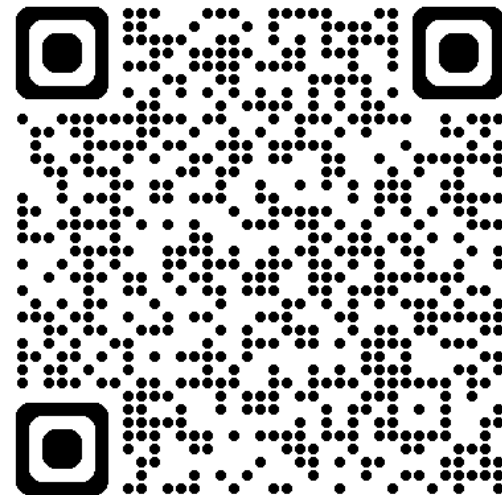
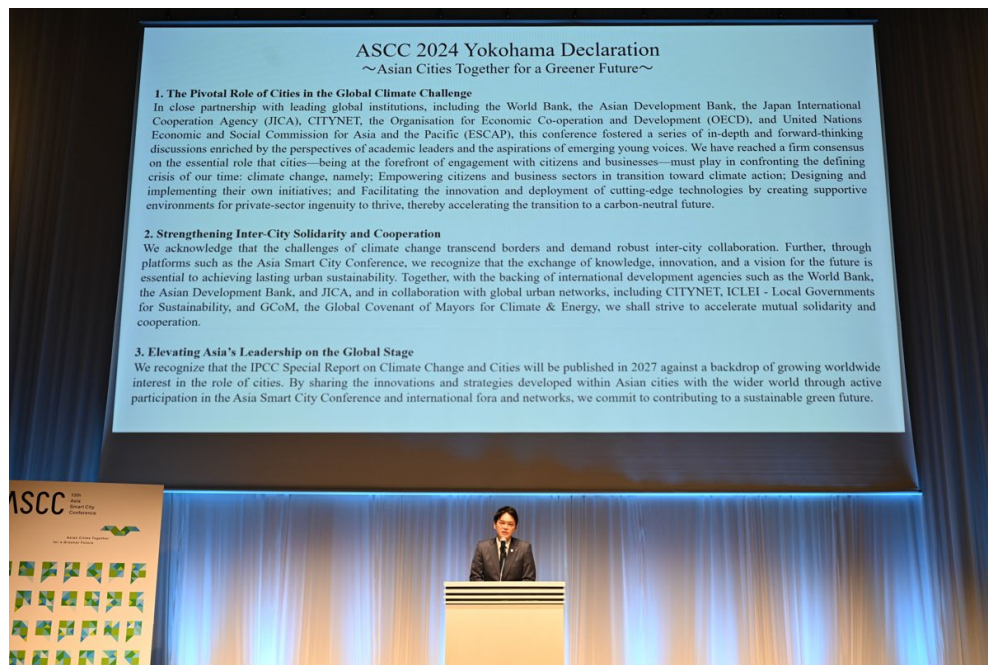


Deputy Director-
General of
Environment
Department
Bangkok Metropolitan
Administration



Deputy Director-
General of
Environment
Department
Bangkok Metropolitan
Administration

The ASCC2024 Yokohama Declaration composed of following three pillars was affirmed by participating 39 cities and organizations



1. The Pivotal Role of Cities in the Global Climate Challenge
2. Strengthening Inter-City Solidarity and Cooperation
3. Elevating Asia's Leadership on the Global Stage

Yokohama will host a World Expo under the theme of “Sustainability” & “Green”.



Recycle Resources



Smart Agriculture



Nature Positive

Showcase of a Sustainable, Greener Society



Methanation Using CO₂ Emitted
by Waste Incineration



Nature-based
Technology and Industry



Renewable Energy

Event Facts

■ **Host City**
Yokohama

■ **Period**
Mar 19 – Sep 26, 2027

■ **Expected Visitors**
10 million

■ **Official Participants**
70+ Countries and
Int'l Organizations

Our Roadmap toward Green Hub in Asia

YOKOHAMA
GO GREEN

