Eighth Regional 3R Forum in Asia and the Pacific

City-City Cooperation and Private Sector Partnership for Promoting 3Rs and Resource Efficiency

Seigo Tanaka, Vice Mayor of Osaka City





Past Pollution and How It Was Remediated

The skies over Osaka





Past

Present

Future

The 1960s

Today

Citizens, businesses, and government overcame the problem of air and water pollution and waste through wide-ranging efforts.

Ensuring a Pleasant Living Environment



Osaka City: Average annual BOD load in rivers and sewerage coverage, by year

Present

Future

Past



Leading Japan's cities as a pioneer in eco policy

- Strengthening eco regulations on factories/offices
- Environmental monitoring
- Ensuring proper disposal of waste
- Promoting environmental education and awareness
- Developing water and sewerage facilities ahead of other cities
- Developing urban transport infrastructure



Spot Investigation ...Osaka city government...



Past > Present > Future

Installing sewers has improved the city's water environment

Advances in sewage treatment allow reclaimed water to be supplied for various uses



River seriously contaminated by factory wastewater

1940 Osaka' s first sewage treatment plant (Tsumori Sewage Treatment Plant)

Tsumori Sewage Treatment Plant today

Waste Disposal as an Underpinning of Urban Functions

Osaka's basic policy on wastedisposal

- Give priority to the 2 Rs
- Sort garbage and recycle
- Take an eco-friendly approach to proper disposal and operate efficiently



Present

Future



Equal to the annual power consumption of 125,000 ordinary households (FY2015)

(Calculated using consumption ratio of 300kWh/household · month)



Landfill Sites

Disaster preparedness

- Ground elevation beyond tsunami range
- Earthquake-proof access routes (bridges and tunnels)
- Safe against liquefaction



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Past

Present

Future

- Water quality testing in surrounding waters
- Countermeasures to gases generated

City of Osaka's Action Plan for Global Warming Countermeasures

Background and Objectives

- · COP 21 (Paris Agreement)
- Focus on utilization of the market mechanism including the Joint Crediting Mechanism (JCM)
- SDGs: Sustainable Development Goals
- The state's draft commitment: reducing CO₂ emissions by 26% for fiscal 2030 from the fiscal 2013 level

Present

Past

Future



City of Osaka's Mitigation Measures

setting a target exceeding the national target, reducing by 30% for fiscal 2030 from the fiscal 2013 level

Main countermeasures

- Energy saving activities by citizens and businesses: promoting CO₂ savings
- Introducing new energy systems (geothermal heat utilization, extended energy use)
- Support for establishing a low carbon cities in Asian cities through intercity cooperation

City of Osaka's Adaptation Measures

Main activities

Avoiding or reducing damage by floods or heat deriving from climate change

International Contribution through Transferring Environmental and Low Carbon Technology

UNEP-IETC

	14 - C	Developing Overseas Environmental Projects based on Industry-Academia-Government Collaboration
	City of Osaka	Support to establish a low carbon city through intercity cooperation
Collaboration	Global Environment Center (GEC)	Support to development low carbon projects utilizing Joint Crediting Mechanism (JCM)

Businesses in

Osaka and Kansai

Team SA Network

Present

Proposing solutions based on

carbon technologies

advanced environment and low

Past

Future

City-City Cooperation Project with Ho Chi Minh City

MOU on Development of a Low Carbon City Between Ho Chi Minh and Osaka City Support Formulation of The Ho Chi Minh City Climate Change Action Plan for 2017-2020, with a Vision to 2030 (CCAP)

Past

Present

Future



- 1. Development of human resources
- 2. Sharing professional skills and knowledge on low-carbon and Environmental conservation measures
- 3. Creating new projects toward the realization of a low-carbon city
- 4. Promoting public awareness and dissemination of information on the prevention of global warming



Climate change measures in 10 sectors including waste management

PDCA cycle of CCAP

- Public-private partnership projects
- Assessment of GHG emissions
- Support for action plans

Waste to Energy Project

Feasibility study with public and private partnership



Capacity building for integrated solid waste management

Discussion of proper incineration factory construction

Present

Future

- Separate roles of administration and business
- Construction plan
- Maintenance and monitoring

Past

- Countermeasures for dioxins
- Consensus with residents



Workshop

Household Waste Separation Project

Implementation of the pilot project with public-private partnership

- Support for waste separation guidelines
- Distribution of separation stickers for food waste and mixed waste
- Improvement of waste collection
- University student public relations team



Gathering news for public relations by university students

Formulation of the Ho Chi Minh City household waste separation expansion plan for 2017-2020



Present

Past

Future

Waste separation guidelines



Demonstration of methane gas fermentation

City-City Cooperation Project with Quezon City

Major Field

- Management of solid waste
- Diffusion of low carbon technology



Past

Efforts for Solid Waste Management

Osaka City Government provides knowledge, experience and technology through the following:

- Study visit at WtE factory
- Lecture for waste collection
- Lecture for environment monitoring



Waste collection

Efforts for Developing Low Carbon City

Present

Future

Osaka City Government supports Quezon City's low carbon activities with the following:

- Feasibility studies on JCM energy projects
- Capacity building on policy making



Workshop

Osaka-Kansai JAPAN Expo 2025

Event Overview





Designing Future Society for Our Lives

Other Themes

Main Theme

Diverse Ways of Life with a Healthy Body and Mind
Sustainable Social and Economic Systems

Period

- Venue
- From 3 May (Saturday) to 3 November (Monday), 2025

Yumeshima





(Source : METI)



See You Again in Osaka

