

# Climate Actions of Fukuoka City

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# Japan's "Gateway to Asia"





# 5<sup>th</sup> biggest city in Japan

**Top 5!**  
Population of 1.6 million



**Population growth**  
(October 2010–October 2020)

**1<sup>st</sup>**

**Out of major cities**

# Liveable City



Comfortable living environment  
**98.2%**

Community Attitude Survey on Municipal Government  
(2023)

# Strategic Urban Development



## “Compact Principles for Improved Quality of Life”

The International Guidelines on Urban and Territorial Planning,  
UN-Habitat (2015)



# Waste Landfill Technique “Fukuoka Method”



Simple



Low  
cost



Rapid  
stabilisation



2011

New **CDM** technology  
approved by the United Nations

# Reduction of Greenhouse Gas Emissions

A waste landfill structure that leads to  
the reduction of methane generation

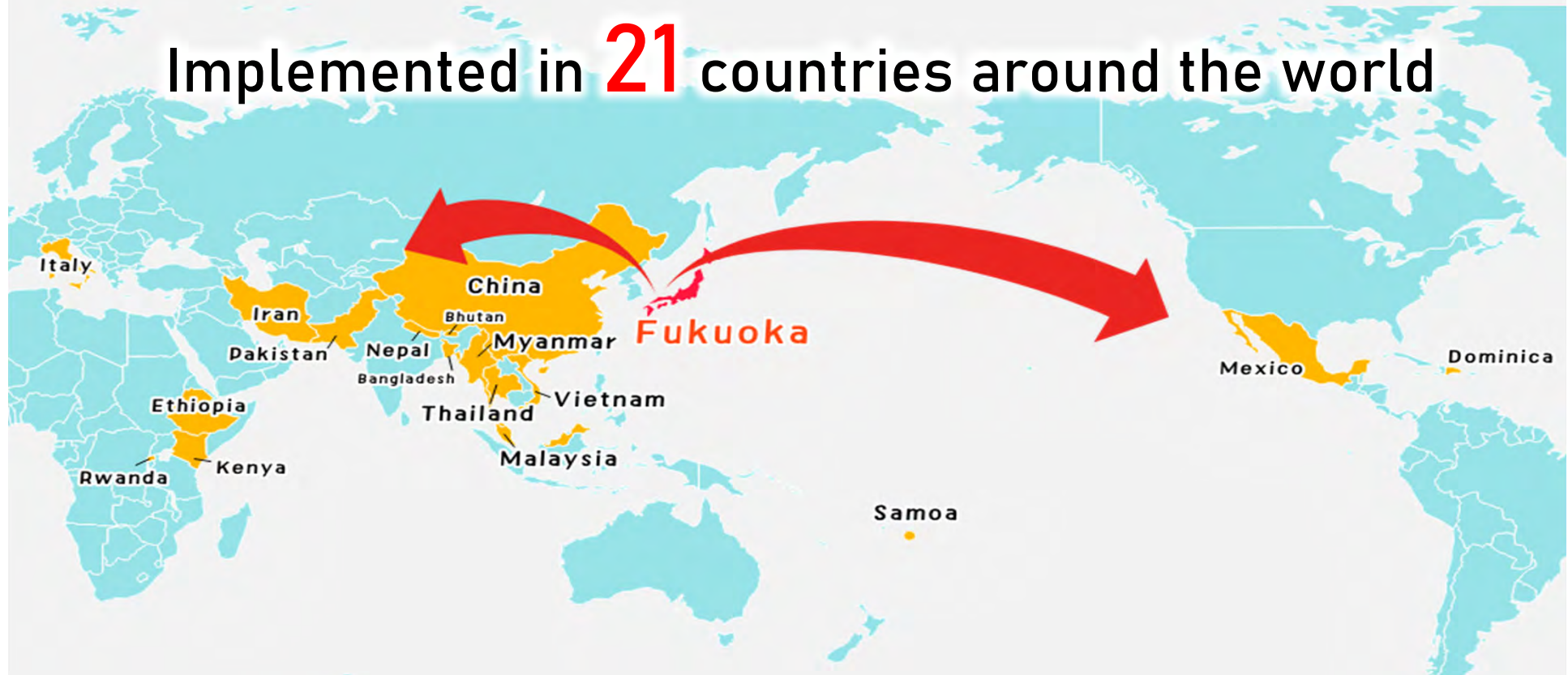
$\text{CO}_2$  is reduced by

about 20–50 %



# Fukuoka to the World: The Fukuoka Method

Implemented in **21** countries around the world



Promoting international contribution through cooperating with UN-Habitat, Ministry of the Environment, JICA, Fukuoka University.

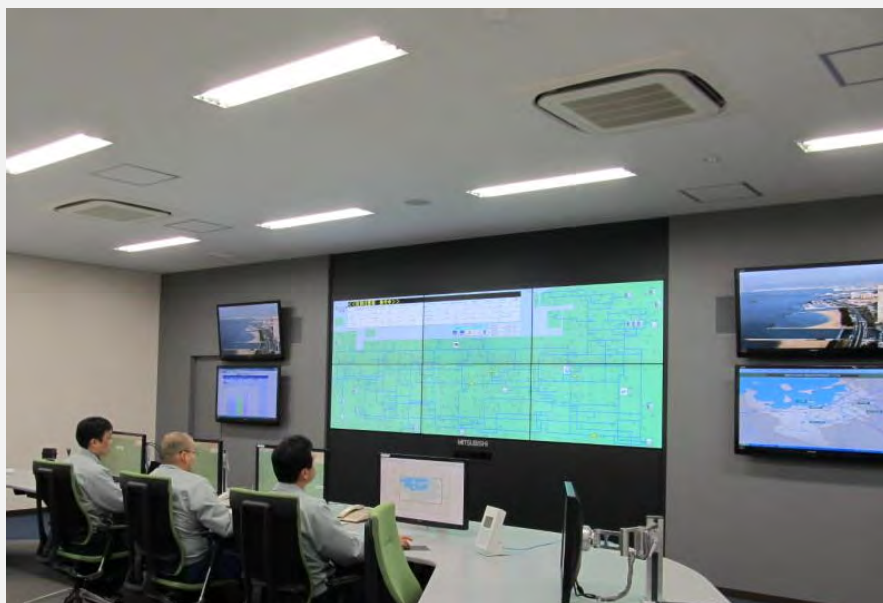


# Water-Conscious Urban Development

## Severe Drought in 1978



# Water Distribution Control & Leakage Prevention



Central control at the Water Distribution Control Center



Patrol inspections of underground leakage

World's lowest leakage rate **1.8%**

(FY2022)



# Reclaimed Water Supply Initiatives

43 years after reclaimed water started in 1980

- Reclaimed Water Plants : 2
- Supply Network : 114 km
- Reclaimed Water Supply Area : 1,528 ha
- Users ( Large buildings ) : 511

No.1  
in Japan

Reclaimed  
Water Plant

Reclaimed  
Water Plant

Area  
User

→Contributing to lower environment impacts



# Adaptation to Climate Change

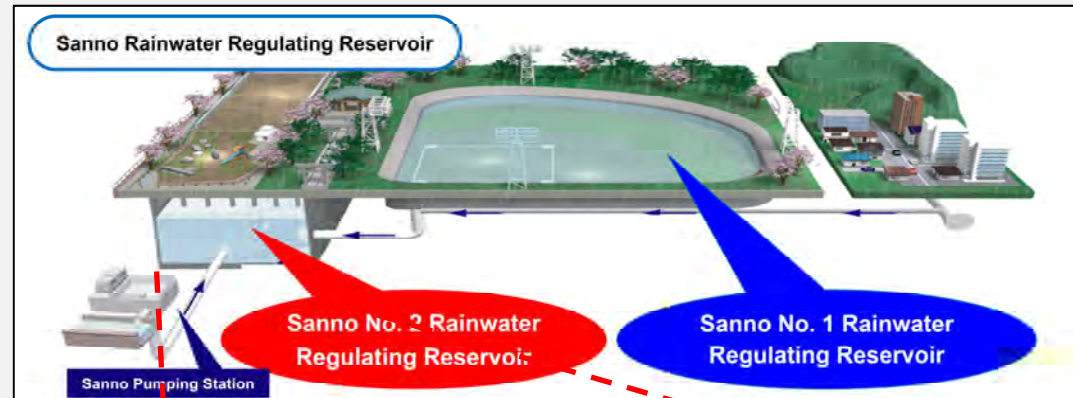
## Flood Control Measures

Damage situation on July 19, 2003



Inundation above and below floor level  
**1,721** buildings (entire city)

Storm Sewer Improvement Rainbow Plan



Underground water adjustment pond



# International Contribution on Water & Sewage Technology

In  
progress

FUKUOKA × AHMEDABAD, INDIA





# Asian-Pacific City Summit





# Members

15 33  
COUNTRIES CITIES

Commonwealth of Australia  
Brisbane

Kingdom of Cambodia  
Phnom Penh

People' s Republic of China  
Changsha  
Dalian  
Guangzhou  
Hong Kong  
Shanghai  
Taiyuan  
Urumqi

Republic of Indonesia  
Jakarta

Japan  
Fukuoka  
Kagoshima  
Kitakyushu  
Kumamoto  
Miyazaki  
Nagasaki  
Naha  
Oita  
Saga

Malaysia  
Ipoh  
Kuala Lumpur

Myanmar  
Yangon

New Zealand  
Auckland

Republic of the Philippines  
Manila

Republic of Korea  
Busan  
Gwangyang  
Jeju Special Self-Governing Province  
Pohang

Russian Federation  
Vladivostok

Republic of Singapore  
Singapore

Kingdom of Thailand  
Bangkok

United States of America  
Honolulu

Socialist Republic of Vietnam  
Ho Chi Minh City

# The History of APCS

**1994**  
1st  
Fukuoka



**1996**  
2nd  
Guangzhou



**1998**  
3rd  
Fukuoka



**2000**  
4th  
Busan



**2002**  
5th  
Fukuoka



**2004**  
6th  
Bangkok



**2006**  
7th  
Urumchi



**2008**  
8th  
Dalian



**2010**  
9th  
Vladivostok



**2012**  
10th  
Pohang



**2013**  
11th  
Kumamoto



**2018**  
12th  
Fukuoka



**2021**  
13th  
Special Edition  
Fukuoka



**2022**  
13th  
Fukuoka





The 13th  
**Asian-Pacific City Summit**  
27–28 July 2022 Fukuoka, Japan



Theme : New Values - New Cities



Ms. Maimunah Mohd Sharif  
Executive Director of UN-Habitat





# Towards Creating a Carbon Neutral Society

