

The 4<sup>th</sup> ACCP Assembly

Session 4: Collective action for better waste management

# Enhancing better waste management through Fukuoka Method Global Network



SUSTAINABLE  
DEVELOPMENT GOALS



Shiro Noguchi

Director, Environmental Policy Section,  
Environmental Bureau, Fukuoka City



1. Introducing Fukuoka City

2. Collaboration with universities

3. Fukuoka Method Global Network

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# Japan's gateway to the Asian continent





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



Population growth

(October 2010–October 2020)

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

out of major cities

# Livable City ①

Port, airport, major train stations and main urban centers are all located within a 2.5 km radius





# Livable City ②





1. Introducing Fukuoka City

2. Collaboration with universities

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**Please watch the video.**



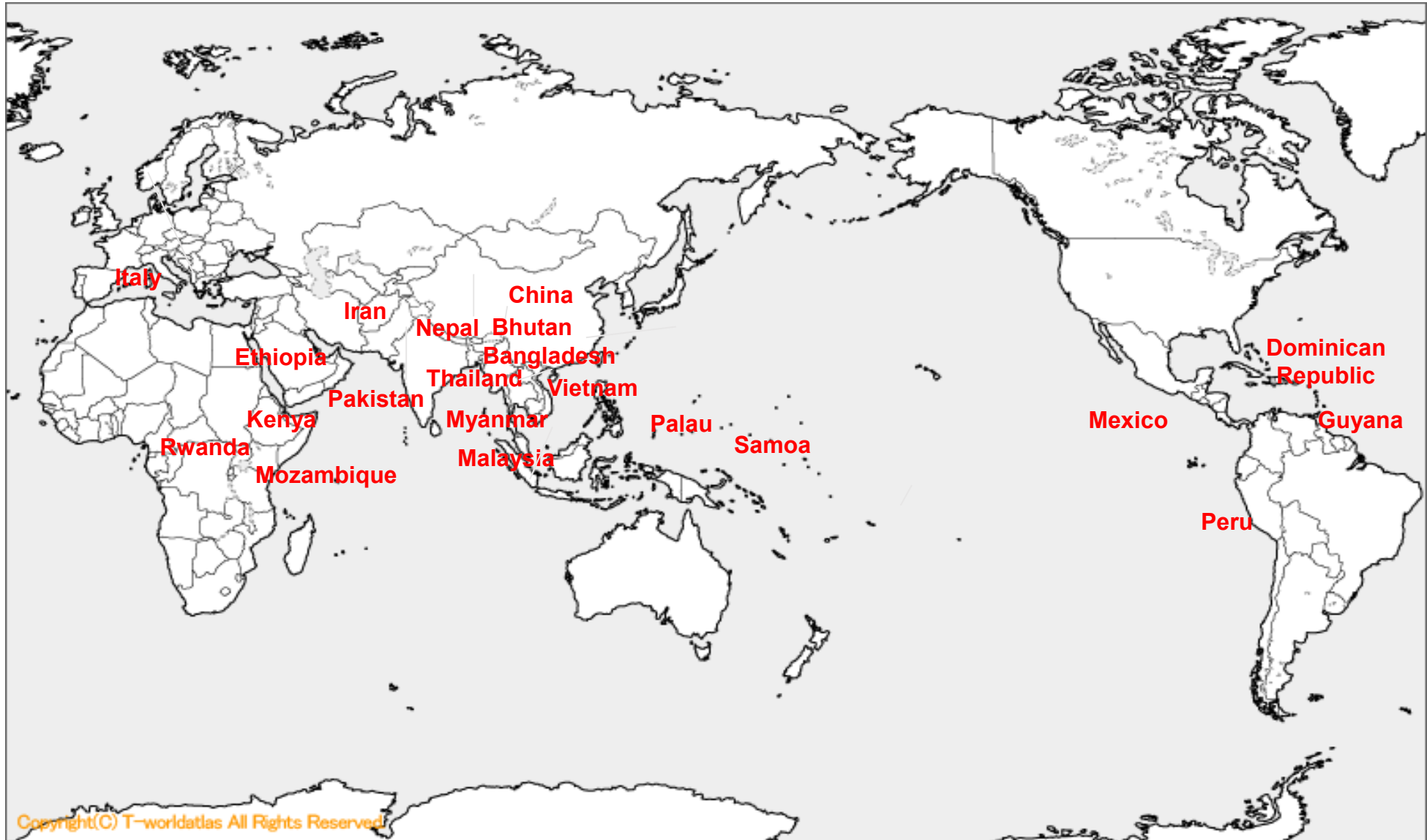


# Public/Academia Partnership that began **50** years ago



Fukuoka University and Fukuoka City government collaborated to develop the Fukuoka Method to solve waste management problems and make international contributions.

# Introducing the Fukuoka Method worldwide



# Collaboration with Fukuoka university 拘

## International Contributions



China



Vietnam





# Collaboration with Fukuoka university 劣

## Training for engineers





# Collaboration with Fukuoka university 桑

## Division of roles





# Safe closure and rapid stabilization of the landfill sites

Photo taken in June 2019



Imazu Sports Park



*Shoto-en*  
(Nursing home for the elderly)



Imazu Refresh Farm



Imazu Special Education School



1. Collaboration with universities

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# Fukuoka Method Global Network

## Organizations promoting Fukuoka Method

Ministry of the  
Environment Japan

UN-Habitat

JICA



Ministry of the Environment  
Japan



## Secretariat

Fukuoka City

Fukuoka Environment  
Foundation



公益財団法人 ふくおか環境財団  
FUKUOKA ENVIRONMENT FOUNDATION

## Technical Team

Fukuoka City

Fukuoka University

SWAN Fukuoka

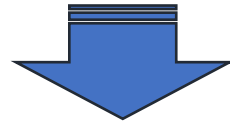
Private companies



# Background that led to the establishment of FMGN

Cases of  
improper  
design and  
construction

Cases of  
lack of  
continual  
maintenance



In order to promote appropriate Fukuoka Method,

Proper understanding of the basic principles of "Fukuoka Method"  
and human resource development are important.

# Services offered by FMGN



- Sharing information



- Training



- Online consulting

# FMGN Webinar

The 9th Tokyo International Conference on African Development (TICAD 9) Partner Project

## FMGN Webinar



### Fukuoka Method Spreading Around the World 1: Africa

The Fukuoka Method, a safe and sustainable landfill technology jointly developed by Fukuoka University and Fukuoka City, is now being introduced in 21 countries in Asia and around the world, helping to solve urban waste problems and promote decarbonization through improving landfill sites.

This year's FMGN Webinar, titled "Fukuoka Method Spreading Around the World," will present examples of how the Fukuoka Method has been introduced in Africa and Asia. We look forward to your participation.

1. Date

**Thursday, October 3, 2024**  
4:00 p.m. to 5:30 p.m. (Japan time)

Registration is required.  
Participation is free.

2. Venue

Zoom webinar with simultaneous interpretation  
(Japanese-English/French)

3. Registration

Please access the registration page via the link below  
or using the 2D code on the right.

[https://intergroup.zoom.us/webinar/register/WN\\_tHC6ALTfQ-0XztN-Q4nswv](https://intergroup.zoom.us/webinar/register/WN_tHC6ALTfQ-0XztN-Q4nswv)



4. Seminar

Speaker: Mr. Toshikazu Mito  
(SWAN-Fukuoka advisor & UN-Habitat senior advisor)

Topic: Fukuoka Method applications in Africa: case studies

The session will illustrate how the Fukuoka Method has recently been introduced in African cities, and analyze challenges and opportunities for further applications.

The second part of this seminar is scheduled for around **January 2025**. The topic will be examples of how the Fukuoka Method is being used in Vietnam.

**FMGN Fukuoka Method Global Network**

With cooperation from the Ministry of the Environment, UN-Habitat, JICA, Fukuoka University, Fukuoka City, and others

## FMGN Webinar



### Fukuoka Method Spreading Around the World 2: Asia, Vietnam

The Fukuoka Method, a safe and sustainable landfill technology jointly developed by Fukuoka University and Fukuoka City, is now being introduced in 21 countries in Asia and around the world, helping to solve urban waste problems and promote decarbonization through improving landfill sites.

This year's FMGN Webinar, titled "Fukuoka Method Spreading Around the World," will present examples of how the Fukuoka Method has been introduced in Africa and Asia. We look forward to your participation.

1. Date

**Monday, February 10, 2025**  
4:00 p.m. to 5:30 p.m. (Japan time)

Registration is required.  
Participation is free.

2. Venue

Zoom webinar with simultaneous interpretation  
(Japanese-English/French)

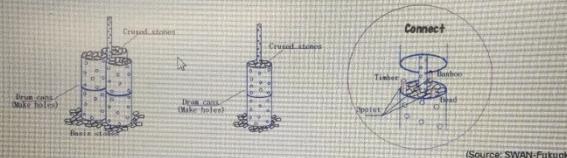
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### Gas venting system image



(Source: SWAN-Fukuoka)



Image of gas venting system construction  
(Hawassa, Ethiopia (Mar. 2023))

implemented in  
of a model  
pects of the  
untries.

**Network**  
Habitat, JICA,  
City, and others



# JICA - FMGN Training for engineers



Technical transfer mainly driven  
by onsite training

2025. 5.14- 5.30





# PR Activities

4–8 November 2024, Cairo, Egypt

WORLD  
URBAN  
FORUM



COP28  
UAE

TICAD  
YOKOHAMA  
2025



We are exhibiting at a booth!  
(B-68)



20–22 August 2025, Exhibition Hall D

# Introducing the Fukuoka Method worldwide劣





# Improving the existing landfills step by step

Before



During improvement



Now



Plants are growing and the landfill's semi-aerobic conditions are maintained.



# Advantages of the Fukuoka Method

$\text{CO}_2$  is reduced by  
about 20–50 %



An aerial photograph of Fukuoka, Japan, showing the city's dense urban landscape, the Fukuoka Bay, and the surrounding mountains. The city is built on a peninsula, with the harbor in the foreground. The water is a deep blue, and the sky is clear. The text "Thank you for your attention." is overlaid in green. The background shows a vast expanse of the city, with numerous buildings and a large stadium with a distinctive orange dome. The harbor is filled with ships and piers, and a small boat is visible in the water. The mountains in the distance are hazy, adding depth to the scene.

Thank you for your attention.

Email:  
[fmgn2022@city.fukuoka.lg.jp](mailto:fmgn2022@city.fukuoka.lg.jp)