

# African Clean Cities Platform Newsletter

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AFRICAN CLEAN  
CITIES PLATFORM  
PLATE-FORME AFRICAINE  
DES VILLES PROPRES



## Special Issue: ACCP Study Tour on Landfill Management in Ethiopia

A study tour was held on the management of waste landfill in Addis Ababa, Ethiopia, from 10th to 14<sup>th</sup> December, 2018, and approximately 30 government officials engaged in waste management participated from 14 African countries.

In the Koshe dump site in Addis Ababa, the mountain of garbage reaching 50 meters in height partially collapsed in March 2017, causing a tragic accident in which approximately 200 waste pickers and neighborhood residents were killed. Under a grant aid from the Japanese Government, UN-Habitat and the group led by Fukuoka University Professor Emeritus Matsufuji are performing improvement work in response, in order to stabilize the ground of the garbage mountain and prevent further collapse. During the site visit, Professor Matsufuji, who has been engaged in the development of the "Fukuoka Method (semi-aerobic landfill structure)" and its technology transfer in developing countries for 40 years, explained methods to reduce the slope by creating terraces on the slope of the garbage mountain, introduce a leachate drainage system using gabions, etc.

Improper landfill management and the risk of collapse of garbage mountains are challenges common to many African countries. The participants asked questions and engaged in discussions with enthusiasm throughout visits and lectures, actively learning from one another, looking at the efforts of Addis Ababa as an example.

Last but not least, we would like to take this opportunity to express our deepest gratitude to the City of Addis Ababa which made a significant contribution in accepting and conducting this study tour.



Opening ceremony



Visit to the Koshe dump site



Group photo

### ◆ Program on the study tour ◆

Date	Program	Lecturer / Host organization for site visit
Dec.10 (Mon.)	Opening ceremony	—
	Lecture: Waste Collection to Dumping Practices in Addis Ababa City	Mr. Kassahun Tsegaye (Solid Waste Re-Use and Re-Cycle Center Manager, Solid Waste Management Agency, City Administration of Addis Ababa)
	Lecture: Various SWM Projects in Addis Ababa City	Mr. Takele Dessisa (Technology & Project Design Coordination Directorate Director, Solid Waste Management Agency, City Administration of Addis Ababa)
Dec.11 (Tue.)	Lecture: Waste Management and SDGs	Ms. Nao Takeuchi (Waste Management Expert, Urban Basic Services Branch, UN-Habitat)
	Lecture: the Project for Emergency Technical Support to SWM in Addis Ababa, Ethiopia: Rehabilitation of the Koshe Dump Site through Implementation of the Fukuoka Method	Mr. Akilu Fikresilassie (Director, UN-Habitat Ethiopia Office)
	Lecture: Sanitary Landfill Technology of Semi-aerobic System, Fukuoka Method	Dr. Yasushi Matsufuji (Professor Emeritus at Fukuoka University, President of the NPO Solid Waste Management Adviser's Network – Fukuoka), Ms. Sachiyo Hoshino (Special Adviser to the Director, UN-Habitat Regional Office for Asia and the Pacific)
Dec.12 (Wed.)	Site visit: Koshe Dump Site	Solid Waste Management Agency, City Administration of Addis Ababa
	Site visit: Reppie Waste to Energy Plant	Ethiopian Electric Power
Dec.13 (Thu.)	Site visit: Plastic Recycling Plant	COBA Impact Manufacturing PLC
	Site visit: Bole Arabsa Transfer Station	Solid Waste Management Agency, City Administration of Addis Ababa
Dec.14 (Fri.)	Lecture: Fukuoka Method - Review and Considerations of Design and O&M	Mr. Takekazu Maeda (JICA Consultant)
	Lecture: Overview of Sandafa Landfill Site	Mr. Atiku Legesse (Section Chief, Waste Management Bureau, City of Addis Ababa)
	Group Discussion and Presentation: Improvement of Landfill Management	—
	Closing Ceremony	—



### ◆ Participant's Comments ◆

#### Noi Adzeman Solomon Nuetey, Director of the Waste Management Department at Accra Metropolitan Assembly in Ghana

We had three days of theoretical sessions facilitated by different experts including Professor Matsufuji, the inventor of the Fukuoka Method in Landfill Management.

I learnt a lot about the semi-aerobic method in landfilling, which supplies oxygen into the MSW through perforated gas collection pipes and prevents landslides by the setting up of "Gabions". During the field trips, we visited the Koshe Site to learn the construction of structures ongoing under the supervision of the Professor Matsufuji. At the site there was the gas flaring plant as well as the waste-to-energy (incineration) plant which is the first in Africa. We observed key operational mechanisms as well as challenges. The massive cooperation between the City Government and the Private Sector (PPP) in the area of plastic waste recycling is also worth noting.

In conclusion, I have no doubt that based on the lessons learnt, the adoption of the Fukuoka method and the implementation of intermediate treatment technologies (ie Waste-to-energy, recycling etc.) would go a long way to address the problems associated with MSW management for African cities to achieve the SDG's. My special acknowledgement and appreciation goes to JICA, UN-HABITAT and Addis Ababa for organizing such a practical study tour.

## Exhibition on the "Environment Picture Diary" by the Children of Africa

"Environment Picture Diary" is an environmental education initiative for elementary school children, which has been conducted since 2000 by the Yokohama City Recycle Resources Association. It aims to raise interest and awareness about the environment by encouraging children to draw what they discussed with their family about the environment and what they thought about it in "picture diaries." The initiative is spreading across Japan, receiving around 20,000/year applications in recent years. Picture diaries selected by judges are exhibited in the site of the Exhibition on the Environment Picture Diary held every year in Yokohama and are posted on the website of the Association. <http://www.recycledesign.or.jp/enikki/> (in Japanese)

African countries participated in the initiative in 2018 for the first time as part of ACCP activities with the cooperation of JICA Volunteers. Picture diaries were drawn by more than 600 children in Sudan, Burkina Faso, Cameroon, and Botswana, 80 of which were selected on site, shipped to Japan, and exhibited in the Exhibition on the Environment Picture Diary in the City of Yokohama on December 2, 2018.

[https://ticad7.city.yokohama.lg.jp/en/news\\_20190204/](https://ticad7.city.yokohama.lg.jp/en/news_20190204/)

In preparation for TICAD7 and the Second ACCP General Meeting to be held in Yokohama in August this year, the second round of the Environment Picture Diary is now being held in African countries. Pieces by children of Africa will not only be displayed in the TICAD7/ACCP meeting venues, but also go on public display on the dates and at the location below. Former Volunteers are scheduled to explain the exhibition; please visit the gallery!



Children of Botswana



Children of Cameroon

### ◆ Exhibition on the Environment Picture Diary by the Children of Africa ◆

■ **Date:** Tuesday, August 13 – Monday, August 19, 2019

■ **Venue:** Minato Mirai Gallery, City of Yokohama

Queen's Mall, 2nd Floor, Queen's Square Yokohama, 2-3-5 Minatomirai, Nishi-ku, Yokohama, Kanagawa, Japan

<https://www.mmgallery.jp/access.html> (in Japanese)

## Hoping for Children's Growth through the Network of African Clean Cities Platform

### Kazuki Takehara, City of Yokohama Resources and Waste Recycling Bureau

The Resources and Waste Recycling Bureau of the City of Yokohama implements various types of environmental education initiatives, and I myself often meet smiling children of Yokohama. "Smiles of children of Africa and Yokohama. We want to connect the two through the network of the Platform." With this desire as a starting point, we executed an environmental education initiative, with support from JICA Volunteers and the Yokohama City Recycle Resources Association.

In this initiative, "Environment Picture Diary" was introduced by the Volunteers for children of Africa, and their diaries were displayed in the "Exhibition on the Environment Picture Diary 2018," which was sponsored by the Association in Yokohama. On the day of the exhibition, former Volunteers who worked in Africa participated as staff to explain their activities and the children's life in Africa to the children of Yokohama. In addition, we received messages from the children and fed them back to the field in Africa, to develop a sense of connection between the children through this initiative. We very much hope that the connection formed this time will be valued and that the initiative will continue and expand as one, which enables the growth of everybody involved, into the future.

Last but not least, we would like to take this opportunity to thank all parties involved, including the Volunteers who put together picture diaries in less than 1 month and the Association which offered its know-how in picture diaries of environment as well as an exhibition space.



Exhibition on the Picture Diary of Environment in Yokohama

## Cleaning Campaign in the City of Niamey, Niger

On January 17, 2018, in the Nordire Junior High School (with approximately 700 students) in the City of Niamey, Niger, the Ministry of Secondary and Higher Education, Research and Technology, the Ministry of Environment, Urban Sanitation and Sustainable Development, and the JICA Niger Office jointly conducted a cleaning campaign. In the opening ceremony, students presented a skit under the theme of "no littering," bringing a lot of excitement to the venue. After the speech of the Mayor of the City of Niamey to inaugurate the cleaning campaign, cleaning activities started all at once. Female students were seen struggling to carry heavy garbage cans, and everyone was engaged in cleaning with great enthusiasm.

Towards the realization of a "clean city," it is considered effective to provide residents with opportunities to participate in a cleaning activity through this type of campaign and share them with successful experience of making their own city clean by themselves.

ACCP, together with the JICA Niger Office, supported the implementation of the cleaning campaign and posted an advertisement and a live broadcast of the event on the Facebook page. It is expected that this type of cleaning activity involving residents will spread to African countries.



Children attending the opening ceremony



Children involved in cleaning



Awareness seminar for residents held a day before the campaign

## Upcoming event: the Second ACCP General Meeting

The Second General Meeting of African Clean Cities Platform (ACCP) will be held in Yokohama-city, Japan in August 2019, concurrently with the TICAD 7. To promote sustainable waste management towards clean and resilient city, the meeting will provide an opportunity to share and discuss challenges, good practices, applicable solutions as well as future actions bringing together a wide range of participants from Africa and Japan. The meeting will also confirm the overall direction and plan of ACCP activities highlighting key points discussed and thereby strengthen network and collaboration amongst participants.

■ **Date:** 25th August to 29th August 2019 \*26th and 27th will be the main session, open to public.

■ **Venue:** Yokohama-City, Japan

August 26: Hamagin Hall (3-1-1, Minatomirai, Nishi-ku, Yokohama, Kanagawa)

August 27: Pacifico Yokohama (1-1-1 Minatomirai, Nishi-ku, Yokohama, Kanagawa)

■ **Co-hosting organizations:** Ministry of Environment Japan, Japan International Cooperation Agency (JICA), Yokohama-City, United Nations Environment Programme (UNEP) and United Nations Human Settlements Programme (UN-Habitat)

■ **Expected Participants:** ACCP member countries/cities, international institutions, private companies, development partners and other related organizations

■ **Program (planned) :**

Day 1 (August 26 @ Hamagin Hall) 9:30-17:30

Opening, Sharing Experience and Applicable Solutions, Education and Public Awareness for Waste Management

Day 2 (August 27 @ Exhibition Hall B, Pacifico Yokohama) 10:30-17:00

Waste Data Management toward SDGs, Financing SWM in Africa,

High Level Session: ACCP's roles toward clean cities and healthy life in Africa, Closing

■ **Registration for participation:** Pre-registration is necessary to participate in this event. Please send an e-mail specifying the following information by August 9, 2019.

Name, Affiliation, Position, Phone number with country code, Email address, Day of participation (both days, 26 or 27)

*\*As for participation from ACCP member countries and cities in Africa funded by JICA, the participants from each country have been selected through respective JICA local office and process is already closed.*

■ **Contact:** The Secretariat of the 2nd General Meeting of ACCP (within the Overseas Environmental Cooperation Center (OECC))

E-mail: [accpyokohama@oecc.or.jp](mailto:accpyokohama@oecc.or.jp), Tel: +81 (0)3-6803-4291

## Japan Overseas Cooperation Volunteers active in the African Waste Management Sector

This time we would like to introduce three JICA Volunteers who were engaged in environmental education activities in Khartoum, the capital of Sudan. In Sudan, political change triggered by anti-government demonstrations destabilized the local situation, forcing all the Volunteers to return to Japan halfway through their activities in this April. We hope that the situation will improve as soon as possible so that the people of Sudan can resume a quiet life.

### Joint Project of the Public and Residents by Tatsuro Mori

In developing countries, the basic public service we take for granted in Japan is not developed. The same applies to Sudan where I was engaged in activities. On the waste sector, in Sudan, few local governments have set up a waste collection day and because of this, residents dispose of household waste on an irregular basis.



Meeting between the residents and the local government staff



Hardworking front-line sanitation workers in the field

In the municipality where I was assigned, in order to improve this status, the project was launched to collect household waste efficiently in cooperation with the residents. However, such cooperation with them was easier said than done. Many meetings were held to offer explanations to and request cooperation from the residents, and their representatives were invited to the meetings to reflect their opinions; in doing so, their confidence was gained. The waste project which received their cooperation developed into a joint project of the public and residents.

### Potential of the Sudanese People by Koji Shichijo

In Karary locality of the capital Khartoum, I had worked for 15 months to implement an efficient waste collection and raise hygiene awareness. Together with my colleagues of the cleaning management office and the members of the neighborhood associations, I planned and conducted surveys and workshops. I was able to work, finding pleasure in the process of creating a form, in which Japanese and local methods are integrated, instead of simply transferring Japanese methods. It is a real pity that I



Together with the members of Tenth Street who conducted a clean-up campaign



Social soccer event with the officers of the Second Street Neighborhood Association

had to come back to Japan when I could count on greater cooperation from the Sudanese people, for example, in the planning of health education at school as well as in clean-up campaigns with the youth of the neighborhood associations.

I am grateful for the Sudanese people who welcomed me, despite my awkward Arabic, and the people who developed workshops and awareness program together, despite their busy schedule. I hope that the peace will be restored soon; I am filled with a desire to go back to Karary and express my gratitude.

### Sowing the Seeds of Pro-Environmental Behavior by Kuniyoshi Kuromatsu

I engaged in activities in the City of Bahri in Khartoum State, Sudan. I carried out environmental education programs in youth centers, where children and youth gather to play sports and music, and elementary schools. In this country, people's environmental awareness is not high, and littering is habitual, resulting in roadsides strewn with garbage. With the desire to make the city clean, first to promote "no littering" and "throwing away trash in a garbage can," I explained negative effects and risks of waste to



Environmental education at the Bahri Youth Center



Lecture on Garbage at Sababi Special School

seives, staying close to the local people when teaching. The Volunteers were forced to return to Japan, and I do not think at this moment the country is in a situation where much can be said about environmental awareness. I can only hope that peaceful days when we can enjoy thinking about the environment again will come back as soon as possible.