

JESC NEWS

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Report of JESC Activities

**"The 7th 3R Conference for Asian Local Governments" was held successfully,
and the 8th conference will be held on November 5th, 2015 at Yokkaichi**

JESC has successfully organized the "3R Conference for Asian Local Governments" since 2008. In the past conferences various local governments from Asia have shared their 3R implementation status and their confirmed achievements.

The 7th 3R Conference for Asian Local Governments was held on November 13th 2015, at Chiba city. JESC has chosen "3R and Infrastructure Development" and "3R and Low Carbon" as the theme in the Conference.

5 Asian Local Governments including Yangon city (Myanmar), Quezon City (Philippines), Rayong State (Thailand), Ho Chi Minh City (Vietnam), Bandung City (Indonesia) and 5 Local Governments from Japan including Tokyo Metropolitan Government, Hamamatsu City (Japan), Chiba City (Japan), Kita Kyusyu City (Japan), Osaka City (Japan), Kawasaki City (Japan) took part in the conference to

share the knowledge and experience. About 120 people participated in the conference as the audience. The result of the conference was concluded as "Chiba Declaration".

The 8th 3R Conference for Asian Local Governments is going to be held in Yokkaichi City, on November 5th, 2015. More detail information is announced in our website. We are looking forward to seeing you soon at the next conference !!

(Takashi MIYAGAWA)



**Workshop on "Multilayer 3R Partnerships and Cooperation among Asia-Pacific Cities"
was held on August 16th, 2015 at Male, Maldives**

"6th Regional 3R Forum in Asia and Pacific" was held at Male in Maldives. On August 16-19, 2015. And as a side-event of the 3R Forum, "Multilayer 3R Partnerships and Cooperation among Asia-Pacific Cities" and "International 3R Exhibition" was also held.

1. Outline of "Workshop on Multilayer 3R Partnerships and Cooperation among Asia-Pacific Cities"

- This Workshop aims to follow-up and deepen the results of the discussion conducted at "The forum on Multilayer 3R Partnerships and Cooperation among Asia-Pacific Cities" which was held on November 2014 at Chiba City, Japan.

- Around 40 persons from 4 local governments from Asian countries, 3 local governments from Japan, Central governments from Maldives

and Japan, and 3 Japanese firms related to 3R business, participated in the workshop.

- Main programme is "Summary of the results of the discussion conducted at the forum in 2014", "Presentation on 3R policy in each city" and "Group Discussion to promote Multilayer partnerships under the city-city cooperation"

(Reference) Outline of "6th Regional 3R Forum in Aisa and Pacific"

- More than 300 participants from Central government, Local government, Research &

Development Institute, Private company and NGOs from 33 countries.

- Main programme is " 7 kinds of Plenary Sessions", " Parallel Roundtable with 5 topics", "Country Presentations from each country" . And in the close session, "Chair's Summary" was adopted.

- One of the characteristic of 6th Forum is newly taking up a topic for considering how environment, tourism and economy should be integrated.

(Shigenobu OBAYASHI)

JESC conducted MOE Japan training courses in 2014, “Promoting technical transfer in the field of Waste Recycling Industry”

Since FY 2011, Ministry of the Environment Japan (MOEJ) has been implementing “The Project for Supporting the Incubation of Firms in the Field of Venous Industry and Promoting the Spread of Japanese Waste Management and Recycling Technologies Overseas”

As the title shows, this project aims to promote technical transfer in the field of Venous Industry to advance 3R and environmental measures in global scale.

Training courses in Japan aims to promote

overseas development of Japanese Venous Industry by inviting counterpart and deepen their understanding of Japanese waste management policy, system and technologies. We hope such as Japanese technology take root to other countries and can be useful for promoting environmental measures around the world.

(Kana Nakamura)



JESC conducted three JICA training courses in 2014

We have implemented three JICA training courses contracted by JICA, having fifty -five participants from twenty five countries.

The courses are "Comprehensive Solid Waste Management (A)" (Aug.20-Sep 26,2014), "Water Environmental Monitoring" (Sep.16-Oct.17,2014), and "Capacity Building toward Air Quality Management" (Oct.6-Nov.6, 2014).

We hope participants could improve their respective situation utilizing knowledge and information obtained in the training and keep good memories about Japan.

We are looking forward to seeing participants again soon.

(Kana Nakamura)



Activities of Japan Sanitation Consortium (JSC)

Japan Sanitation Consortium was established in June 2009 as the knowledge hub for Asia-Pacific Water Forum (APWF) for sanitation.

JSC member of five organizations are Japan

Environmental Sanitation Center (JESC), Japan Education Center of Environmental Sanitation (JECES), Sewerage Business Management Center (SBMC), Japan Sewage Works Association (JSWA) and Japan Sewage

Works Agency (JS).

JSC conducts the activities such as Networking, Information gathering, Knowledge dissemination and Information sharing, and Support to international donor organizations (ADB, JICA, UNICEF, WORLD BANK, UN-HABITAT, etc.) which support the countries of the Asia-Pacific region for the purpose of their improvement of sanitary conditions. The activities of JSC are as follows:

【Networking / Information gathering】

Establish and operate an information network on sanitation in collaboration with international donor organizations.

- Participated the Conference of Executive Council, Asia-Pacific Water Forum (10 June 2015, Singapore)
- Conducted the Information Exchange meeting with BILL & MELINDA GATES foundation (June 2015, Japan)

【Knowledge dissemination and information

sharing】

-Participated the sewage treatment-related workshops for Southeastern Asia (April 2015) hosted by UN-ESCAP and UN-HABITAT

- Provided the sessions for the conference of 7th World Water Forum 2015 (April 2015, Rep. of Korea)

【Support to international donor organizations】
 Implemented Local Capacity Development Technology Support Program with a focus on the introduction of Japanese Advanced Technology (2014–2015) by consigned business contract with ADB, and also conducted Improvement Technology for On-site Sludge Management Program in India (2014–2015).
 (Akira MORITA)



Report from JICA training participant <Mr. Nimal Premathilaka , Balangoda - Sri Lanka>

Comprehensive solid waste management success stories in Balangoda urban council - Sri Lanka



Waste management is one of the serious problems for development country such as Sri Lanka. Waste as we all know is not useless. It is mostly made of things we have used, but don't find useful anymore. So we throw it away. But did you know that waste can also be reused in beneficial way?

The Balangoda Urban Council, the oldest one in the Sabaragamuwa province, Rathnapura District in Sri Lanka has showed how to make profit business from so-called useless waste through a garbage management project. The main objectives of the present administration of the urban council is to build a green and environmental -friendly city by 2020 by managing waste efficiently.

The Urban Council was established in 1939

and first mayor was Bans Rathwaththa Disawe, the father of the world's first lady Prime Minister Sirimawo Bandaranayaka. In 1998, the Urban Council realized that daily amount of waste ruins beauty of the city, and that this is the all due to bad behavior of human beings. The present mayor of Nimal Gamini erasingha was there as the newly elected mayor 1998 and the garbage management project was rainchild

After studying the situation, a well-organized waste management project was established in 2000 at Bankiyawaththa, a village situated 2 Km far away near Balangoda city. Before staring this project, the Council was doing open dumping in the city center and open burning of this waste.

The decaying waste has been used to make compost fertilizer while non-decaying has been recycled to make using the latest technology. They sell the product and make profit. Garbage is first brought into the compost yard. Next, it

is separated in decaying and non-decaying matters. About 65 - 70 % of the garbage is made of bio-degradable matters. 20 - 25% non-degradable goods and 10 - 15% land filling wastes.

To make compost using decaying garbage, the garbage waste is stocked in piles (length 12', wide 5' and height 7') according to the "open windrow system" for about six weeks. This six weeks' supply of nitrogen, oxygen, temperature control and moisture control are very importance. After six weeks the piles are turn in to maturation period of 2 weeks. After 2 weeks the compost piles allowed to dry so that the moisture is reduce to 8% and then the final product comes after screening. The Final product is compost fertilizer and next going to enrich quality of the product. How to enrich is adding half burning rice husk, rock phosphate, treated night soil, then the compost is selling in the market.

Here is the selling and production amount last few years:

Year	Production (Kg.)	Income (\$)
2010	465,400	15,573
2011	565,420	22,888
2012	485,340	14,428
2013	428,300	26,365
2014	410,260	25,246

Meanwhile the Urban Council has established a recyclable waste buying center in the area to make sure the people also participated an amount of 100\$ is issued from account of the waste management center is open every day of the week. This center mainly focuses to implement 3R concept of the people. There is a price list displayed where the prices for the waste are clearly mentioned. The recyclable goods brought by the citizens are collected. Even used tires are accepted. The collected paper, polythene, plastic, metal, glass and cardboard are sold to the local buyers at a reasonable price. The income is used to pay the overtime allowance, electricity bills of the urban council and to take all the employees of the urban council on an outing once a year. This is also used as a fund to give loans to the employees.

(Nimal Premathilaka , Balangoda - Sri Lanka)

Editor's Comment

My name is Shigenobu Obayashi, the Director of International Cooperation & Business Department which was newly organized in April 2014

According to the increase of international cooperation demand in the environment and sanitation fields, the activities of our

department have been expanding . I hope that JESC News will provide the information on our recent activities as well as your (=JESC training graduates) recent activities.

We are very happy if we could support your work by close communication through this news.

(Shigenobu OBAYASHI)

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