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**Recent International Activities of JSMCWM**

It is my pleasure to be able to publish this Newsletter of Japan Society of Material Cycles and Waste Management (JSMCWM) after a long time. I would like to express my special thanks to the chief editor, Prof. Hashizume, and the editorial staff, Mr. Anai, for their efforts to issue this newsletter. The first newsletter was published at the same year with the establishment of our society in 1990. Initially, it only introduced waste issues and resolution efforts by relevant institutes and organizations in Japan. Then it began to cover the presentations given in international sessions at the annual conferences of JSMCWM and discussions at 3RINCs (3R International Scientific Conference on Material Cycles and Waste Management). This newsletter will share recent international activities of JSMCWM and 3RINCs as well as our activities on the guideline development for disaster waste management.



Since 1999, we have been publishing the Journal of Material Cycles and Waste Management (JMCWM) from Springer.

<http://www.springer.com/engineering/civil+engineering/journal/10163>

The Impact Factor(IF) for JMCWM was increased to 1.6 in 2016, proving that the journal has been approved

as a platform for international material cycle and waste management research fields. It receives over 500 papers

and publishes 100-150 manuscripts every year. From 2018, JMCWM will shift print publication to electronic publication to ensure smooth and fast publication. Moreover, print publication will only be applied to publish special issues.

We also focus on the 3R International Scientific Conference on Material Cycles and Waste Management (3RINCs). The objective of this conference is to serve as a platform of 3R and waste management research in Asia and Pacific Islands and open it up to the World. JSMCWM and KSWM (Korean Society of Waste Management) are the main organizers of 3RINCs. The first conference was held in Kyoto, Japan in 2014, the second in Daejeon, Korea, and the third in Hanoi, Vietnam, and the fourth in New Delhi, India. The fifth conference is to be held around February to March in 2019.

Additionally, our society is taking an initiative to develop a guideline for disaster waste management. We have decided to undertake this task after holding the 15th Expert Meeting on Solid Waste Management in Asia and Pacific Islands (SWAPI) in December 2015. Owing to the fact that in one of the sessions entitled "Disaster Waste Management in Asia-Pacific Regions", many experts reported the status of disaster waste managements in their country and suggested the necessity of making applicable guidelines for Asia-Pacific regions. Furthermore, members of JSMCWM have enough experiences to deal with various kinds of large-scale natural disasters, including the 2011 Tohoku Earthquake and Tsunami. Therefore, based on these experiences, we are developing a guideline in collaboration with MOEJ (Ministry of Environment, Japan), JICA (Japan International Cooperation Agency) and experts from Asia-Pacific region.

(Shin-ichi Sakai, Professor, Kyoto University Environment Preservation Research Center)

## 2017 Annual Report by International Committee of JSMCWM

The International Committee of Japan Society of Material Cycles and Waste Management JSMCWM (IC-JSMCWM) had held various international events and workshops (WS) in 2017 fiscal year (April 2017-March 2018) as shown below, and successfully promoted international cooperation.

### 1) Annual meeting of Korean Society of Waste Management

- Held on May 11-12th, 2017 at Chonbuk National University in Jeonju
- International symposium: Waste Charging System and Policy
- Hybrid session (combination of short oral presentation and poster presentation): 30 presentations by JSMCWM



Photo: JSMCWM participants

### 2) Annual meeting of JSMCWM

- Held on September 6-7th, 2017 at Tokyo Institute of Technology (TITech) in Tokyo
- International symposium: SDGs and Material Cycles and Waste Management
- Hybrid session: 36 presentations



Photo: On the top of Mt. Takao, as part of the technical tour for Korean participants

### 3) Development of the Disaster Waste Management (DWM) Guideline

This is a cooperative project with the Ministry of the Environment, Central Government Japan. The objective of the project is to develop the “DWM Guideline in Asia and the Pacific” to promote pre-disaster preparation and 3R for DWM based on our experiences, especially from the Great East Japan Earthquake (March 2011) and other large and middle-scale disasters. We established a task team composed of members from IC-JSMCWM, JSMCWM, and editorial office of JSMCWM. We also held a WS to discuss the concept and contents of the Guideline with international organizations and national/local authorities in Asian and Pacific region on 16-17th January, 2018 at the SABO building in Tokyo. We completed the Guideline including basic concepts and various scenarios.



### 4) SWAPI: The 17th Expert Meeting on Solid Waste Management in Asia and Pacific Islands

- Held on January 17-19th, 2018 at the SABO building in Tokyo
- Special sessions:
  - 1) Moving on to the next stage for Disaster Waste Management in Asia and the Pacific;
  - 2) Presentation of Research Projects promoted by Environmental Research and Technology Development Fund by MOE, Japan;
  - 3) Waste to Energy (WtE) Bidding Process; and
  - 4) Landfill Disposal for Solid Waste Management



## 5) International conferences in Asia

- Sponsored (co-hosted) conferences in Asian countries and gave remarks and/or plenary lectures
- India: 7th International Conference on Solid Waste Management (IconSWM) on December 15-17th, 2017 at Professor Jayashankar Telangana State Agricultural University (PJ TSAU), Rajendranagar, Hyderabad
- China: 13th International Conference on Waste Management and Technology (ICWMT13) in March 21st-24th in Tsinghua University, Beijing

## 6) English Journal

“Journal of Material Cycles and Waste Management” has been published regularly and obtained high evaluation.

(Misuzu Asari, Associate professor, Kyoto University Graduate School of Global Environmental Studies)

### **The Japanese Technical Cooperation Project for Promotion of Regional Initiative on Solid Waste Management in Pacific Island Countries Phase 2 (J-PRISM II)**

### 1. Background of the Project

Waste management in island countries in the Pacific region faces challenges because of the geographical characteristics, such as ‘narrow’ lands with small populations, ‘isolation’ of island countries that are scattered across a vast ocean area, and ‘remoteness’ from major recycling markets. Also, island’s social and cultural background like the traditional land ownership system makes it difficult to secure a final disposal sites or to build appropriate facilities for waste management. Last but not least, types of waste became diverse and the amount is massively increasing due to rapid urbanization and modernization of lifestyles and thus waste management is a big common issue among the Pacific region.

Waste management in the Pacific highlighted at the Pacific Islands Summit in 2000, the Government of Japan expressed its active support for waste management within the Pacific region, and since then has continued to cooperate in the improvement of waste issues. At the 7th Pacific Islands Summit "Fukushima Iwaki Declaration" held in 2015, promotion of the cooperation in seven areas was declared, and the continuation of support for environmental management

field including waste management was reconfirmed.

Began with dispatching individual experts to the SPREP<sup>1</sup> in 2000, JICA implemented several bilateral technical cooperation projects, and also implemented first region-wide waste management project named J-PRISM I from February 2011 to February 2016.

Currently J-PRISM II is running in response to the individual request from nine different countries after J-PRISM I with the aim of strengthening the foundation to promote sustainable waste management base on the outcomes of J-PRISM I.

### 2. Outline of the Project

#### Project area

The Project consists of nine countries in the Pacific region: Republic of Palau, Federated States of Micronesia, Republic of Marshall Islands, Independent state of Papua New Guinea, Solomon Islands, Republic of Vanuatu, Republic of Fiji, Kingdom of Tonga, and Independent state of Samoa.

#### Target waste

In principle, household waste and commercial waste, or so-called municipal solid waste, is targeted.

#### Project period

February 2017 - February 2022 (Five years)

Overall goal: Sustainable management of solid waste in the Pacific region is enhanced based on Pacific Regional Waste and Pollution Management Strategy 2016-2025<sup>2</sup> (Cleaner Pacific 2025).

Project Purpose (Region-wide): Human and institutional capacity base for sustainable Solid Waste Management (SWM) in the Pacific region is strengthened through implementation of Cleaner Pacific 2025.

#### Project Implementation Structure

J-PRISM II has a project office (PO) with several long-1 term experts in SPREP Head Office, Samoa, which conducts the entire project management and carries out regional cooperative activities with SPREP, there are mainly four activities at the regional level; monitoring the progress of Cleaner Pacific 2025, providing trainings related to the waste management, promoting 3R+Return and developing a regional disaster waste management guideline. In addition, under the

<sup>1</sup> SPREP: Secretariat of the Pacific Regional Environment Programme

<sup>2</sup> The strategy approved at the SPREP general meeting in September 2015

jurisdiction of PO, other long-term experts are stationed both in the Republic of Palau and the Solomon Islands, respectively, to carry out regional collaborative activities in the Micronesia Region and the Melanesia Region and to follow up activities carried out in each country.

The nine target countries are divided in two groups — Group 1 is consisted of the three countries in Micronesia regions in the north where a short-term expert team is dispatched under a contract agreed between JICA and consultant firms, and Group 2 has six countries in Melanesia and Polynesia region in the south — to implement the planned activities in each country.

### Project management

The J-PRISM II holds a Steering Committee Conference once a year with Steering Committee members; the counterparts of the target countries, SPREP, PO, short-term experts and representatives of JICA, and at the same time, each country holds a Joint Coordinating Committee at least once a year to confirm the progress of the Project and discuss countermeasures policies for matters that occurred during the implementation.

Now is the first starting year of J-PRISM II as the detailed design survey period and detailed activity plan to be implemented from the second year.

### 3. Public Relations Activities of J-PRISM II

In J-PRISM II, PO periodically publishes newsletters and disseminates the activity status of the Project to the public and introduces the activities on SPREP Homepage. These activities encourage the readers to know and understand the actual facts of JICA's efforts in the Pacific region.



Image: Homepage of SPREP, J-PRISM II (<http://www.sprep.org/j-prism>)

(Mimpei Ito, Director, Global Environment Department, JICA)

### Upcoming Events

**The 29th Annual Conference of JSMCWM**  
**Date: 12-14 September, 2018**  
**Venue: Higashiyama Campus, Nagoya University**

### Current Members of JSMCWM

Current Members of JSMCWM as of 31 <sup>st</sup> March 2008	
Regular Member	1,971
Fellow	45
Senior	44
Honorary Member	2
Student	160
Public Institution	89
Supporting Company	114
Supporting Individual	1
Regular Association Citizen	4
Individual Citizen	11
<b>Total</b>	<b>2,441</b>

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