

SWAT-JWRF Joint Seminar:  
**Seminar on Municipal Solid Waste Management in Thailand  
- Challenges and Opportunities -**

**Organized by:**

Japan Waste Research Foundation (JWRF); and  
Solid Waste Management Association Thailand (SWAT)

**Objectives:**

- The seminar will be organized to review the current situation of solid waste management in Thailand, to identify the pressing issues, and to explore opportunities for Japan-Thailand collaboration for achieving better solid waste management in Thailand.
- At the same time, the seminar aims at developing a foundation for future collaborative activities between SWAT of Thailand and JWRF of Japan.

**Date and Venue:**

1. Date: January 16, 2020
2. Venue: Mayfaire A, The Berkeley Hotel Pratunam, Bangkok, Thailand
3. Language: Thai-Japanese (Simultaneous Interpretation)  
\*Presentation Materials are prepared in English

**Program:** Moderator: Mr. Tomonori KIKUCHI, JWRF

14:00	<b>Opening / Introduction of JWRF</b>	<b>Mr. Tomonori KIKUCHI</b> Director, JWRF
14:05	<b>Keynote:</b> <i>Municipal waste management: current situation and pressing issues</i>	<b>Dr. So SASAKI</b> Professor, Chuo University/ Chulalongkorn University
14:25	<b>Introduction of SWAT</b> <i>Implementation of 3Rs in Thailand - what has been done and what needs to be done</i>	<b>Mr. Patarapol Tularak</b> Secretary General, SWAT
14:45	<b>Case Presentation 1</b> <i>Introduction of initiatives to solve social issues in the environmental field</i>	<b>Mr. Yasunori TANAKA</b> President and CEO, REMATEC Holdings Corporation
15:05	<b>Case Presentation 2</b> <i>Generation of Electricity and Compressed Biomethane Gas (CBG) from Organic fraction of Municipal Solid Waste (OFMSW) using Dry Fermentation Technology</i>	<b>Dr. Apipong Lamsam</b> Managing Director, PAPOP Co., Ltd.
15:25	<b>Case Presentation 3</b> <i>Potential Challenges for Proper Waste Management - Comparative study of municipal and industrial solid waste in Thailand-</i>	<b>Mr. Gen TAKAHASHI</b> General Manager, JFE Engineering Corporation
15:45	<b>Case Presentation 4</b> <i>Long-term Waste Management Master Plan for Local Governments</i>	<b>Mr. Taisuke ODERA</b> Manager, Eight-Japan Engineering Consultants Inc.
16:05	<b>Coffee Break</b>	
16:30	<b>QA and Discussion</b>	Facilitator; <b>Dr. So SASAKI</b>
17:00	<b>Closing</b>	<b>Dr. Chindarat Taylor</b> Vice President, SWAT

## ABOUT JWRF



JWRF, or the Japan Waste Research Foundation was established in 1989 as a non-profit organization working in the public interest to realize a recycle-based society in and outside Japan.

According to the Charter for the establishment of JWRF, the Foundation has worked in the following three areas:

- R&D on waste management and 3R
- Dissemination of its R&D achievements to the public
- Contribution for solving problems of waste management and 3R outside Japan.

In 2017, JWRF decided to change its internal organizational structure to strengthen activities for solving problems of waste management and 3R in developing countries, and thus created a center specifically working for such the challenge.

Activities of the center include:

- Mobilizing waste management and 3R technologies of Japan's private companies to Asia and other developing countries,
- Organizing seminars in and outside Japan, and
- Capacity development of engineers of local governments in developing countries.

## ABOUT SWAT



The Solid Waste Management Association Thailand (SWAT), established in September 2015 as a non-profit organization, has objectives to develop and support activities related to solid waste management, enhance waste management practices and technical standards, coordinate and cooperate with all stakeholders domestically and internationally on waste management and to disseminate knowledge and raise awareness among the public on waste and environmental management.

Reference activities include:

- Organized ASEAN Waste Management Forum 2016 and 2017 with speakers from more than 10 countries and more than 100 delegates.
- Organized Seminars and Site Visits on Waste to Energy including BMA (Bangkok) and EEP (Samut Prakarn).
- Research and policy formulation project on MSW, commissioned by the Department of Local Administration.
- Co-hosted international workshops such as "3RINCs" with JSMCWM and KSWM and "Regional Waste Management" with Economic Research Institute for ASEAN and East Asia and JETRO.
- Presented in local and international seminars organized by e.g. UN Environment, UNIDO, Waste Management Association of Malaysia (WMAM), United Nations University, Asia Pacific Waste and Environment Alliance (APWEA).

## PARTICIPANTS

### (Facilitator)

**So Sasaki**  
Professor  
Chuo University/  
Chulalongkorn  
University



Dr. So SASAKI is a professor at Faculty of Economics, Chuo University. He has also a visiting scholar, Faculty of Economics, Chulalongkorn University until March, 2020. He has studied waste management and recycling policy in Thailand and environmental business in the Asian region since 2001. He is member of SATREPS “The Project for Formation of a Centre of Excellence for Marine Plastic Pollution Studies in the Southeast Asian Seas”. His recent publications are “*Economic analysis of the environmental services liberalization among APEC members*”, “Issues with Thai WEEE (Waste Electrical and Electronic Equipment) recycling bill: Comparison with other Asian countries”, and so on.

### (Speakers)

**Patarapol Tularak**  
Secretary General  
Solid Waste Management  
Association Thailand  
(SWAT)



Mr. Patarapol Tularak is the Secretary General of Solid Waste Management Association Thailand (SWAT) and also a Project Manager at Padaeng Industry (Public) Co., Ltd. He has more than 20-year experience in environmental management with the focus on hazardous waste. He was in charge of developing household hazardous waste management system for local governments, drafting the E-waste law and was a key person in the Basel Convention Focal Point while he worked at the Pollution Control Department. His recent works include promoting 3Rs and waste to energy in Thailand.

**Yasunori TANAKA**  
CEO  
REMATEC Holdings  
Corporation




Born in Osaka in 1973. After graduating from Keio University, he gained experience as a waste consultant before joining REMATEC.

He participated in a system design proposal for the Iwate-Aomori Prefectural Border Waste Recovery Project and received an order for consulting and construction management.


The company designs and builds the world's first subcritical water plant in Sakai City, Osaka Prefecture, and had been recycled waste using subcritical water technology. In the Great East Japan Earthquake Reconstruction Project, we led the project team, formulated a disaster waste treatment plan, and implemented a reconstruction support project to protect the lives and environment of local residents.

Since 2014, he has been the President and CEO of the REMATEC Group and has been involved in businesses that contribute to solving social issues in the environmental field, such as resource recycling and global warming countermeasures, mainly in Asia.

<p><b>Apipong Lamsam</b> Managing Director PAPOP</p> 	<p>Apipong Lamsam has doctoral of engineering from Asian institute of technology in Environmental Engineering And Management (EEM). He has over 10 years experience in development of waste to energy projects particularly on biogas and Municipal Solid Waste (MSW) as well as involving the design of biogas production plants, biogas cleanup systems for MSW, organic waste and various industrial wastewater. He is currently the Managing Director of Papop which is one of leading renewable technology providers in Thailand.</p>
<p><b>Gen TAKAHASHI</b> General Manager, JFE Engineering Corporation</p> 	<p>Gen Takahashi joined Nippon Kokan Ltd. (present JFE Engineering Corporation) in April 1990. After many years' experience in various business fields in this Company; production control at factory, marketing for sewage treatment plant project, management of sales branch, administration and secretary of the company,etc., he has worked for management and business development as a Director of PT. JFE Engineering Indonesia (subsidiary company of JFE Engineering) in 2011 and 2012. Since April 2013, he has been in charge of global business development with collaboration with ministry, local government, international organizations,etc., especially in the field of waste-to-energy.</p>
<p><b>Taisuke Odera</b> Manager, International Department, Eight-Japan Engineering Consultants Inc.</p> 	<p>Taisuke Odera is a Manager for the International business development at Eight-Japan Engineering Consultants Inc. with waste management consulting background, and working on master planning, feasibility study, financial planning, investment due diligence, and designing for the waste management facilities such as landfill, WtE, Renewable Energy projects over 15 years. In addition, he had been based in Bangkok for 6 years from 2013 to 2019 for operation of Bangkok office of the company.</p>

<p><b>Chindarat Taylor</b>  Vice President,  Solid Waste Management  Association Thailand,  SWAT  Founder and Director,  Resource Efficiency  Pathway</p> 	<p>Dr. Chindarat Taylor is the Founder and Director of Resource Efficiency Pathway, an environment and infrastructure consultancy advising on the development of waste and waste to energy infrastructure internationally, including the UK, Thailand and Australia. Her work focuses on strategic advice including project viability and deliverability.</p> <p>She has over twenty years' experience including management of three large joint ventures for BP/Amoco and various operations for ICI. She was a director at the UK Environment Agency where she established the innovative Pathway to Zero Waste Program involving 72 municipalities.</p> <p>Chindarat is Vice President of the Solid Waste Management Association of Thailand. She is also a Chartered Waste Manager (MCIWM) of the Chartered Institution of Waste Management, UK. She won an award as one of the 51 Most Impactful Green Leaders – a Global Listing at the World CSR Congress in February 2019.</p>
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**(Moderator)**

<p><b>Tomonori KIKUCHI</b>  Director  International Partnership  Department,  Support Center for  Overseas Waste  Management Business  Japan Waste Research  Foundation (JWRF)</p> 	<p>Tomonori KIKUCHI joined JWRF in 2017, dispatched from JICA (Japan International Cooperation Agency) as a secondment. He worked mainly for JICA for more than 30 years, in charge of many sectors in the Middle East, Africa, Central Asia (Former Soviet) and other areas for Japanese ODA projects. Also He has many experience of reconstruction support through social development in Palestine , Afghanistan, Mindanao and other conflict affected areas.</p> <p>Overseas assignment: (JICA and Japan Embassy)  Saudi Arabia, Afghanistan, Philippines etc.</p> <p>Currently working for Support Center for Overseas Waste Management Business of JWRF, in charge of promotion of Japanese companies' waste management business, such as support for F/S (Feasibility Study )of WtE (Waste to Energy) in foreign countries etc.</p>
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