



Sep 24 ► Sep 28, 2018

Tokyo and Kitakyushu

Program

Technical Deep Dive : Solid Waste Management

Technical Deep Dive on Solid Waste Management

September 24 to 28, 2018 Tokyo and Kitakyushu

World Bank Tokyo Development Learning Center (TDLC)

Overview

The Technical Deep Dive (TDD) on Solid Waste Management, is organized by the Tokyo Development Learning Center (TDLC) in collaboration with the Government of Japan and City of Kitakyushu.

Japan's SWM experience presents unique opportunities for collaborative learning and knowledge sharing among SWM practitioners, particularly on national regulation and policy, municipal-level involvement, citizen engagement, collaboration from private entities and appropriate technologies.

The TDD program is designed to frame a common understanding of these and other aspects of Japan's SWM system and approaches as well as those of other countries. Key topics to be covered will include 1) institutional and organizational arrangements for provision of SWM services, 2) financing and cost recovery of SWM and 3) modalities for mobilizing citizen involvement and encouraging behavioral change with respect to solid waste; 4) private sector engagement in SWM services and 5) SWM technologies. Two World Bank reports on SWM will be launched during the course of the TDD.

Background and Rationale

The SWM TDD is being organized to deepen discussion around national regulations, roles of local authorities, and collaboration with citizen and private entities, all of which are critical elements of Japan's SWM experience.

The program will take place in Tokyo and Kitakyushu City. Sessions in Tokyo will offer an opportunity for knowledge exchange with officials from relevant national and local government agencies. Kitakyushu City, one of TDLC's City Partnership Program (CPP) partners, is recognized both nationally and globally for its success in addressing challenges of environmental pollution including solid waste management and air pollution through partnership with citizens, local small and medium, and large companies and central government. Kitakyushu City has been cooperating with 110 cities in Asia, sharing their "Kitakyushu Model".

Format

The program integrates workshops, site visits, peer-peer knowledge sharing and action planning activities. Delegates to the Technical Deep Dives will benefit from:

- Cutting-edge policy thinking and technical knowledge delivered through engaging learning sessions;
- Increased capacity to assess policy and regulatory frameworks across several sectors;
- Peer learning and networking through experience exchange sessions;
- Experimental knowledge exchanges through site visits;

- Opportunity to engage directly with Japanese municipalities, ministries, private sector, and citizens (including the elderly), to learn innovative solutions and to identify areas of further collaboration and knowledge exchange;
- Access to follow-up operational support to assist in the successful application of knowledge gained through the TDD, provided through TDLC's operational support component.

DAY 1	Monday, September 24th, 2018 Tokyo
08:15-9:00	Breakfast and Registration at TDLC, World Bank, Tokyo, Japan
09:00-09:30	Opening Session Welcome Remarks: <ul style="list-style-type: none"> • <i>Daniel Levine, Senior Officer, TDLC, GSURR, World Bank</i> Introduction to TDD Instrument <ul style="list-style-type: none"> • <i>Phil Karp, Lead Knowledge Management Officer, GSURR, World Bank</i> Icebreaker - Cultural Bingo
9:30-10:30	Framing Panel Discussion: A Global Picture of Solid Waste Management Format: Presentations followed by discussion <i>Panelists:</i> <ul style="list-style-type: none"> • <i>Frank Van Woerden, Lead Environmental Engineer, Environmental and Natural Resources GP, World Bank</i> • <i>Silpa Kaza, Urban Development Specialist, GSURR, World Bank</i> • <i>Kremena Ionkova, Senior Urban Development Specialist, GSURR, World Bank (using video – TED Talk on Ocean Plastic)</i> <i>Moderator: Shobha Shetty, Practice Manager, GSURR, World Bank</i>
10:30-10:45	Coffee Break
10:45-12:00	Shift and Share Format: Shift and Share <i>Facilitators: Phil Karp and Haruka Imoto, Knowledge Management Analyst, TDLC, GSURR, World Bank</i>
12:00-13:00	Lunch
13:00-14:30	International Experiences and Trends in SWM Format: Presentations followed by discussion <i>Presenters:</i> <ul style="list-style-type: none"> • <i>EU Experience: Nikola Doychinov, Director, N.A., Epc-Koc Ltd.</i> • <i>Singapore Experience: Wai Choong Kwok, Deputy Director Cluster Development, National Environment Agency, Singapore</i> • <i>US Experience: Tracie Bills, Northern California Director, Sustainable Materials Management, SCS Engineers</i> <i>Commentator: Hana Huzjak, Policy Officer, Secretariat-General, Structural Reform Support Service, European Commission</i> <i>Moderator: Frank Van Woerden, Lead Environmental Engineer, Environmental and Natural Resources GP, World Bank</i>
14:30-14:45	Coffee Break
14:45-16:00	Shift and Share II Format: Shift and Share <i>Facilitators: Phil Karp and Haruka Imoto, World Bank</i>
16:00-16:45	Solid Waste Management: Laws, Policies, Institutional Structure and Financial Mechanism in Japan Format: Presentation followed by discussion <ul style="list-style-type: none"> • <i>Shiko Hayashi, Programme Director, Institute for Global Environmental Strategies (IGES)</i> <i>Moderator: Kremena Ionkova, World Bank</i>
16:45-17:00	Introduction to Action Planning and TDLC Operational Support

	<ul style="list-style-type: none"> <i>Daniel Levine, Senior Officer, TDLC, GSURR, World Bank</i>
17:00-17:30	Reflections on Day 1 <i>Moderator: Phil Karp, World Bank</i>
17:30	Free dinner

DAY 2	Tuesday, September 25 th , 2018 Kitakyushu
07:00-08:00	Breakfast at Hotel and Check-out
08:30-09:30	Bus ride to Haneda Airport and Flight Check-in
10:15-11:55	Flight from Haneda Tokyo to Kitakyushu (JAL 373 10:15-11:55)
11:55-12:30	Transfer to Session Venue (Room Hisho, 5 th floor, Station Hotel Kokura)
13:00-14:00	Lunch
14:00-15:00	Experiences from Japanese Cities Format: Presentations followed by discussion Select cities of Japan will present on their SWM challenges, strategies, implementation activities, and lessons learned. <ul style="list-style-type: none"> <i>Makoto Mihara, Manager, Environmental Policy, Environment Bureau of Osaka City Government</i> <i>Junko Katsumi, Director in Charge of Technology, Waste Reduction Promotion Section, Environment Policy Bureau, Kyoto City</i> <i>Shinji Tsushiro, Director, Environment Bureau, Facility Department, Fukuoka City Government</i> <i>Kazunori Nibu, Subsection Chief, Environment Bureau, Facility Department, Fukuoka City Government</i> <i>Overview: Daniel Levine, Senior Officer, TDLC, GSURR, World Bank</i> <i>Moderator: Haruka Imoto, World Bank</i>
15:00-16:00	Overview of the Kitakyushu Model: Enabling Municipality to act on Solid Waste Management Format: Presentation followed by discussion <i>Presenters:</i> <ul style="list-style-type: none"> <i>Yuji Aoyagi, Executive Director in charge of International Environmental Cooperation, Environment Bureau, City of Kitakyushu</i> <i>Junichi Sono, Director, Kitakyushu Asian Center for Low Carbon Society, City of Kitakyushu</i> <i>Shiko Hayashi, Institute for Global Environmental Strategies (IGES)</i> <i>Moderator: Yuko Okazawa, World Bank</i>
16:00-16:15	Coffee Break
16:30-18:00	Public Launching Event: Municipal Solid Waste Management Roadmap of Reform for Policy Makers Introductory Remarks for the Session <i>Tetsuro Sakuka, Executive Director, International Environmental Economic Affairs Department, Environment Bureau, City of Kitakyushu</i> Format: Presentation and Panel Discussion (Davos Style)

	<p><i>Presenter:</i></p> <ul style="list-style-type: none"> • <i>Kremena Ionkova, World Bank</i> <p><i>Panelists:</i></p> <ul style="list-style-type: none"> • <i>Shiko Hayashi, Institution for Global Environmental Strategies (IGES)</i> • <i>Nikola Doychinov, Epc-Koc Ltd.</i> • <i>Frank van Woerden, World Bank</i> <p><i>Moderator:</i> ☐ <i>Daniel Levine, Senior Officer, TDLC, GSURR, World Bank</i></p>
18:00-19:00	Networking Reception

DAY 3	Wednesday, September 26th, 2018 Kitakyushu
07:00-07:50	Breakfast at Hotel
08:00-08:30	Bus ride to collection site
08:30-09:30	<p>Site Visits (Split into 2 groups)</p> <p>Part I: Collection</p> <p>Group 1 and Group 2 directed to separate collection sites</p> <p><i>Guide for Group 1:</i></p> <ul style="list-style-type: none"> • <i>Hiroyuki Mimura, Assistant Manager, Resource Recycling Promotion Section, Hiagari Waste Management Center, Environment Bureau, City of Kitakyushu</i> <p><i>Guide for Group 2:</i></p> <ul style="list-style-type: none"> • <i>Yoshiaki Ogawa, Assistant Manager, Resource Recycling Promotion Section, Hiagari Waste Management Center, Environment Bureau, City of Kitakyushu</i>
09:30-09:45	Bus ride to Site (Recycling site)
09:45-11:20	<p>Site Visits (Split into 2 groups)</p> <p>Part II: Recycling</p> <p>Part III: Incineration</p> <p><i>Guides:</i></p> <ul style="list-style-type: none"> • <i>Junichi Hiraishi, Managing Director, Hiagari Incineration Facility, Hiagari Waste Management Center, Environment Bureau, City of Kitakyushu</i> • <i>Yusuke Higuchi, Manager, Hiagari Recycling Center for waste cans and bottles</i> <p>(09:45-10:40) Group 1: Hiagari Recycling Center for waste cans and bottles Group 2: Hiagari Incineration Facility</p> <p>(10:40-11:20) Group 1: Hiagari Incineration Facility Group 2: Hiagari Recycling Center for waste cans and bottles</p>
11:20-13:00	Bus ride and Lunch
13:00-14:20	<p>Site Visits (Split into 2 groups)</p> <p>Part IV: Hibiki Nada Landfill</p> <p>Group 1 and Group 2 directed to separate landfill location</p> <p><i>Guide:</i></p> <ul style="list-style-type: none"> • <i>Yoshio Sakazaki, Manager, Facilities Management Division, Resource Circulation Department, Environment Bureau, City of Kitakyushu</i>
14:20-15:00	Bus ride to session venue (Room Hisho, 5th floor, Station Hotel Kokura)
15:00-15:45	<p>Thematic Session 3: Extended Producer Responsibility in Waste Management (as a source of financing and increased recycling)</p> <p>Format: Presentation/Guided interview followed by discussion</p>

	<p><i>Presenters:</i></p> <ul style="list-style-type: none"> • <i>Nikola Doychinov, Epc-Koc Ltd.</i> • <i>Shiko Hayashi, Institution for Global Environmental Strategies</i> <p><i>Moderator: Kremena Ionkova, World Bank</i></p>
15:45-16:30	<p>Thematic Session 4: Leveraging Private Sector Engagement in Solid Waste Management Format: Market Place/Presentation/Guided interview followed by discussion</p> <p><i>Presenters:</i></p> <ul style="list-style-type: none"> • <i>Yasuhiro Nishihara, President Director, Nishihara Corporation</i> • <i>Emiko Murakami, Director of Business Promotion, Kitakyushu Asian Center for Low Carbon Society, City of Kitakyushu</i> • <i>Jerome Le Borgne, Senior Project Development Manager, Recycling and Recovery South East Asia, Suez Environment</i> • <i>Tracie Bills, Northern California Director, Sustainable Materials Management, SCS Engineer</i> <p><i>Moderator: Daniel Levine, Senior Officer, TDLC, GSURR, World Bank</i></p>
16:30-17:15	<p>Thematic Session 5: Common Technologies Format: Market Place/Presentation/Guided interview followed by discussion</p> <p><i>Presenters:</i></p> <ul style="list-style-type: none"> • <i>Silpa Kaza, World Bank</i> • <i>Frank van Woerden, World Bank</i>
17:15-18:00	<p>Thematic Session 6: Social Dimensions of Solid Waste Management</p> <p><i>Presenter:</i></p> <ul style="list-style-type: none"> • <i>Bharati Chaturvedi, Director, Chintan Environmental Research and Action Group</i> <p><i>Moderator: Phil Karp, World Bank</i></p>
18:15-19:45	Group Dinner at TORITON (Japanese chicken skewers restaurant)

DAY 4	Thursday, September 27th, 2018 Kitakyushu and Tokyo
07:00-07:45	Breakfast at Hotel
08:00	Check-out and walk to bus stop
08:15	Bus ride to site visit venue
09:00-12:00	<p>Site Visits Part V: Eco Town Center Overview of Kitakyushu Eco Town Project</p> <p>(Split into 2 groups)</p> <p>(10:00-11:00) Group 1: The Merry Corporation (Compost of organic waste) <i>Guide: Takaki Matsuo, Executive Director, the Merry Corporation</i> Group 2: West-Japan Auto Recycle Co.,Ltd</p> <p>(11:00-12:00) Group 1: West-Japan Auto Recycle Co.,Ltd Group 2: The Merry Corporation (Compost of organic waste) <i>Guide: Takaki Matsuo, Executive Director, the Merry Corporation</i></p>
12:00-13:00	Bus ride to Kitakyushu Airport
13:35-15:10	Flight from Kitakyushu Airport to Haneda Airport (Lunch in the flight/SFJ 82 13:35-15:10)

15:10-15:40	Bus ride to World Bank TDLC Office
16:00-17:00	Group Discussions on Crowdsourced Topics at Rossini (light meal provided)
17:00-18:30	<p>Public Launching Event: What a Waste 2.0</p> <p>Format: Presentation and Panel Discussion (Davos Style)</p> <p>Introductory Remarks for the Session</p> <p><i>Maitreyi B Das, Practice Manager, GSURR, World Bank</i></p> <p>Presenters:</p> <ul style="list-style-type: none"> • <i>Sameh Wahba, Director, Urban and Territorial Development, World Bank</i> • <i>Silpa Kaza, World Bank</i> • <i>Frank Van Woerden, World Bank Group</i> • <i>Shiko Hayashi, Institution for Global Environmental Strategies</i> • <i>Sei Kondo, Director of Environment Management Team 2, Global Environment Department, Japan International Cooperation Agency</i> • <i>Client Representatives</i> <p><i>Moderator: Daniel Levine, Senior Officer, TDLC, GSURR, World Bank</i></p>

DAY 5	Friday, September 28 th , 2018 Tokyo
7:00-7:45	Breakfast at hotel
8:00-9:00	Action Plan Preparation
9:00-10:00	<p>Thematic Session 7: Disruptive Technologies (VC connection)</p> <ul style="list-style-type: none"> • <i>Erin Schenck, Germany Managing Director, Senseable City Lab, Massachusetts Institute of Technology</i> • <i>Fábio Duarte, Research Scientist, Senseable City Lab, Massachusetts Institute of Technology</i> <p><i>Moderator: Phil Karp, World Bank</i></p>
10:00-11:00	Action Plan Preparation
11:00-12:30	Action Plan Presentations (1)
12:30-13:15	Lunch
13:15-15:00	Action Plan Presentations (2)
15:00-16:00	Action Plan Presentations (3)
16:00-16:30	Wrap-Up, Closing Remarks, Goodbye Toast

TECHNICAL DEEP DIVE ON SOLID WASTE MANAGEMENT SEP 24 TO SEP28, 2018: TOKYO AND KITAKYUSHU

SPEAKERS AND COLLABORATORS



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Makoto Mihara
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Manager
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SPEAKERS AND COLLABORATORS



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Kazunori Nibu
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Yuji Aoyagi
TDD Speaker

Executive Director in charge of International
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Junichi Sono
TDD Speaker
Director

Kitakyushu Asian Center for Low Carbon Society
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Tetsuro Sakuka
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SPEAKERS AND COLLABORATORS



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Yoshio Sakazaki

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Resource Circulation Department, Environment Bureau
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Yasuhiro Nishihara

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President Director

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Emiko Murakami

TDD Speaker

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Jerome Philippe Le Borgne

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Senior Project Development Manager

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Takaki Matsuo

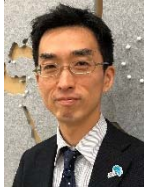
TDD Speaker

Executive Director

The Merry Corporation

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SPEAKERS AND COLLABORATORS



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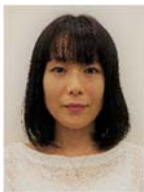
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(in order of speaking)

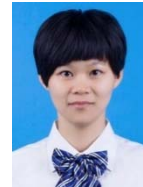
TECHNICAL DEEP DIVE ON
SOLID WASTE MANAGEMENT
SEP 24 TO SEP28, 2018: TOKYO AND KITAKYUSHU

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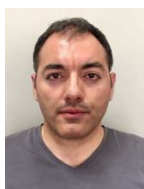
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TECHNICAL DEEP DIVE ON SOLID WASTE MANAGEMENT SEP 24 TO SEP28, 2018: TOKYO AND KITAKYUSHU

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TECHNICAL DEEP DIVE ON SOLID WASTE MANAGEMENT SEP 24 TO SEP28, 2018: TOKYO AND KITAKYUSHU

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Kwetal Muke Wan-Wour

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