Technical Deep Dive: Solid Waste Management

Sep 24 - Sep 28, 2018
Tokyo and Kitakyushu
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:
- Daniel Levine, Senior Officer, TDLC, GSURR, World Bank
Introduction to TDD Instrument
- Phil Karp, Lead Knowledge Management Officer, GSURR, World Bank
Icebreaker - Cultural Bingo

9:30-10:30 Framing Panel Discussion: A Global Picture of Solid Waste Management
Format: Presentations followed by discussion
Panelists:
- Frank Van Woerden, Lead Environmental Engineer, Environmental and Natural Resources GP, World Bank
- Silpa Kaza, Urban Development Specialist, GSURR, World Bank
- Kremena Ionkova, Senior Urban Development Specialist, GSURR, World Bank (using video – TED Talk on Ocean Plastic)
Moderator: Shobha Shetty, Practice Manager, GSURR, World Bank

10:30-10:45 Coffee Break

10:45-12:00 Shift and Share
Format: Shift and Share
Facilitators: Phil Karp and Haruka Imoto, Knowledge Management Analyst, TDLC, GSURR, World Bank

12:00-13:00 Lunch

13:00-14:30 International Experiences and Trends in SWM
Format: Presentations followed by discussion
Presenters:
- EU Experience: Nikola Doychinov, Director, N.A., Epc-Koc Ltd.
- Singapore Experience: Wai Choong Kwok, Deputy Director Cluster Development, National Environment Agency, Singapore
- US Experience: Tracie Bills, Northern California Director, Sustainable Materials Management, SCS Engineers
Commentator: Hana Huzjak, Policy Officer, Secretariat-General, Structural Reform Support Service, European Commission
Moderator: Frank Van Woerden, Lead Environmental Engineer, Environmental and Natural Resources GP, World Bank

14:30-14:45 Coffee Break

14:45-16:00 Shift and Share II
Format: Shift and Share
Facilitators: Phil Karp and Haruka Imoto, World Bank

16:00-16:45 Solid Waste Management: Laws, Policies, Institutional Structure and Financial Mechanism in Japan
Format: Presentation followed by discussion
- Shiko Hayashi, Programme Director, Institute for Global Environmental Strategies (IGES)
Moderator: Kremena Ionkova, World Bank

16:45-17:00 Introduction to Action Planning and TDLC Operational Support
### 17:00-17:30 Reflections on Day 1
**Moderator: Phil Karp, World Bank**

### 17:30 Free dinner

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### DAY 2  
**Tuesday, September 25th, 2018 Kitakyushu**

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>07:00-08:00</td>
<td>Breakfast at Hotel and Check-out</td>
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<tr>
<td>08:30-09:30</td>
<td>Bus ride to Haneda Airport and Flight Check-in</td>
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<tr>
<td>10:15-11:55</td>
<td>Flight from Haneda Tokyo to Kitakyushu (JAL 373 10:15-11:55)</td>
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<tr>
<td>11:55-12:30</td>
<td>Transfer to Session Venue (Room Hisho, 5th floor, Station Hotel Kokura)</td>
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<tr>
<td>13:00-14:00</td>
<td>Lunch</td>
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<td>14:00-15:00</td>
<td>Experiences from Japanese Cities</td>
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<td><strong>Format: Presentations followed by discussion</strong></td>
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<tr>
<td></td>
<td>Select cities of Japan will present on their SWM challenges, strategies,</td>
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<td>implementation activities, and lessons learned.</td>
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<td></td>
<td>- Makoto Mihara, Manager, Environmental Policy, Environment Bureau of</td>
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<td></td>
<td>Osaka City Government</td>
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<td></td>
<td>- Junko Katsumi, Director in Charge of Technology, Waste Reduction</td>
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<tr>
<td></td>
<td>Promotion Section, Environment Policy Bureau, Kyoto City</td>
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<td></td>
<td>- Shinji Tsushiro, Director, Environment Bureau, Facility Department,</td>
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<tr>
<td></td>
<td>Fukuoka City Government</td>
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<td></td>
<td>- Kazunori Nibu, Subsection Chief, Environment Bureau, Facility</td>
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<td></td>
<td>Department, Fukuoka City Government</td>
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<td><strong>Overview:</strong> Daniel Levine, Senior Officer, TDLC, GSURR, World Bank</td>
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<tr>
<td>15:00-16:00</td>
<td>Overview of the Kitakyushu Model: Enabling Municipality to act on Solid</td>
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<td>Waste Management</td>
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<td><strong>Format: Presentation followed by discussion</strong></td>
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<tr>
<td></td>
<td><strong>Presenters:</strong></td>
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<tr>
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<td>- Yuii Aoyagi, Executive Director in charge of International Environmental</td>
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<td>Cooperation, Environment Bureau, City of Kitakyushu</td>
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<td></td>
<td>- Junichi Sono, Director, Kitakyushu Asian Center for Low Carbon Society,</td>
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<td></td>
<td>City of Kitakyushu</td>
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<td></td>
<td>- Shiko Hayashi, Institute for Global Environmental Strategies (IGES)</td>
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<td></td>
<td><strong>Moderator: Yuko Okazawa, World Bank</strong></td>
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<tr>
<td>16:00-16:15</td>
<td>Coffee Break</td>
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<td>16:30-18:00</td>
<td>Public Launching Event: Municipal Solid Waste Management Roadmap of Reform for Policy Makers</td>
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<td><strong>Introductory Remarks for the Session</strong></td>
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<td>- Tetsuro Sakuka, Executive Director, International Environmental Economic</td>
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<td></td>
<td>Affairs Department, Environment Bureau, City of Kitakyushu</td>
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<td><strong>Format: Presentation and Panel Discussion (Davos Style)</strong></td>
</tr>
</tbody>
</table>
**Presenter:**
- Kremena Ionkova, World Bank

**Panelists:**
- Shiko Hayashi, Institution for Global Environmental Strategies (IGES)
- Nikola Doychinov, Epc-Koc Ltd.
- Frank van Woerden, World Bank

**Moderator:** Daniel Levine, Senior Officer, TDLC, GSURR, World Bank

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**DAY 3**  
**Wednesday, September 26th, 2018 Kitakyushu**

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<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>07:00-07:50</td>
<td>Breakfast at Hotel</td>
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<tr>
<td>08:00-08:30</td>
<td>Bus ride to collection site</td>
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</tbody>
</table>
| 08:30-09:30 | Site Visits (Split into 2 groups)  
Part I: Collection  
**Group 1 and Group 2 directed to separate collection sites**  
**Guide for Group 1:**  
Hiroyuki Mimura, Assistant Manager, Resource Recycling Promotion Section, Hiagari Waste Management Center, Environment Bureau, City of Kitakyushu  
**Guide for Group 2:**  
Yoshiaki Ogawa, Assistant Manager, Resource Recycling Promotion Section, Hiagari Waste Management Center, Environment Bureau, City of Kitakyushu |
| 09:30-09:45 | Bus ride to Site (Recycling site)                                                                                                           |
| 09:45-11:20 | Site Visits (Split into 2 groups)  
Part II: Recycling  
Part III: Incineration  
**Guides:**  
Junichi Hiraishi, Managing Director, Hiagari Incineration Facility, Hiagari Waste Management Center, Environment Bureau, City of Kitakyushu  
Yusuke Higuchi, Manager, Hiagari Recycling Center for waste cans and bottles |
| (09:45-10:40) | Group 1: Hiagari Recycling Center for waste cans and bottles  
Group 2: Hiagari Incineration Facility |
| (10:40-11:20) | Group 1: Hiagari Incineration Facility  
Group 2: Hiagari Recycling Center for waste cans and bottles |
| 11:20-13:00 | Bus ride and Lunch                                                                                                                          |
| 13:00-14:20 | Site Visits (Split into 2 groups)  
Part IV: Hibiki Nada Landfill  
**Group 1 and Group 2 directed to separate landfill location**  
**Guide:**  
Yoshio Sakazaki, Manager, Facilities Management Division, Resource Circulation Department, Environment Bureau, City of Kitakyushu |
| 14:20-15:00 | Bus ride to session venue (Room Hisho, 5th floor, Station Hotel Kokura)                                                                      |
| 15:00-15:45 | Thematic Session 3: Extended Producer Responsibility in Waste Management (as a source of financing and increased recycling)  
**Format:** Presentation/Guided interview followed by discussion |
15:45-16:30  Thematic Session 4: Leveraging Private Sector Engagement in Solid Waste Management
Format: Market Place/Presentation/Guided interview followed by discussion

Presenters:
• Yasuhiro Nishihara, President Director, Nishihara Corporation
• Emiko Murakami, Director of Business Promotion, Kitakyushu Asian Center for Low Carbon Society, City of Kitakyushu
• Jerome Le Borgne, Senior Project Development Manager, Recycling and Recovery South East Asia, Suez Environment
• Tracie Bills, Northern California Director, Sustainable Materials Management, SCS Engineer

Moderator: Kremena Ionkova, World Bank

16:30-17:15  Thematic Session 5: Common Technologies
Format: Market Place/Presentation/Guided interview followed by discussion

Presenters:
• Silpa Kaza, World Bank
• Frank van Woerden, World Bank

17:15-18:00  Thematic Session 6: Social Dimensions of Solid Waste Management

Presenter:
• Bharati Chaturvedi, Director, Chintan Environmental Research and Action Group

Moderator: Phil Karp, World Bank

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  Site Visits
Part V: Eco Town Center
(9:00-10:00)
Overview of Kitakyushu Eco Town Project
(Split into 2 groups)

(10:00-11:00)  Group 1: The Merry Corporation (Compost of organic waste)
Guide: Takaki Matsuo, Executive Director, the Merry Corporation
Group 2: West-Japan Auto Recycle Co., Ltd

(11:00-12:00)  Group 1: West-Japan Auto Recycle Co., Ltd
Group 2: The Merry Corporation (Compost of organic waste)
Guide: Takaki Matsuo, Executive Director, the Merry Corporation

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  Public Launching Event: What a Waste 2.0
Format: Presentation and Panel Discussion (Davos Style)
Introductory Remarks for the Session
Maitreyi B Das, Practice Manager, GSURR, World Bank
Presenters:
• Sameh Wahba, Director, Urban and Territorial Development, World Bank
• Silpa Kaza, World Bank
• Frank Van Woerden, World Bank Group
• Shiko Hayashi, Institution for Global Environmental Strategies
• Sei Kondo, Director of Environment Management Team 2, Global Environment Department, Japan International Cooperation Agency
• Client Representatives
Moderator: Daniel Levine, Senior Officer, TDLC, GSURR, World Bank

DAY 5  Friday, September 28th, 2018 Tokyo
7:00-7:45  Breakfast at hotel
8:00-9:00  Action Plan Preparation
9:00-10:00  Thematic Session 7: Disruptive Technologies (VC connection)
• Erin Schenck, Germany Managing Director, Senseable City Lab, Massachusetts Institute of Technology
• Fábio Duarte, Research Scientist, Senseable City Lab, Massachusetts Institute of Technology
Moderator: Phil Karp, World Bank
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 SEP 28, 2018: TOKYO AND KITAKYUSHU

SPEAKERS AND COLLABORATORS

Sameh Naguib Wahba Tadros
Management Director
GSURR World Bank

Jyoti Shukla
Management Director
Singapore Infrastructure & Urban Development Hub World Bank

Shobha Shetty
Management Practice Manager
GSURR World Bank

Maitreyi B Das
Management Practice Manager
GSURR World Bank

Daniel Levine
Team Lead of TDLC Senior Officer
Tokyo Development Learning Center World Bank

Phil Karp
TDD Team Lead Knowledge Management Specialist
GSURR World Bank

Silpa Kaza
TDD Team Urban Development Specialist
GSURR World Bank

Kremena Ionkova
TDD Team Senior Urban Specialist
GSURR World Bank
SPEAKERS AND COLLABORATORS

Haruka Imoto
TDD Team
Lead Knowledge Management Analyst
Tokyo Development Learning Center
World Bank

Nikola Stanoev Doychinov
TDD Speaker
Director
Epc-Koc Ltd.

Wai Choong Kwok
TDD Speaker
Deputy Director
Cluster Development
National Environment Agency, Singapore

Tracie Onstad Bills
TDD Speaker
Director
Sustainable Materials Management
SCS Engineers

Hana Huzjak
TDD Speaker
Policy Officer
Secretariat-General, Structural Reform Support Service
European Commission

Shiko Hayashi
TDD Speaker
Programme Director
Kitakyushu Urban Centre
Institute for Global Environmental Strategies

Yuko Okazawa
TDD Team
Urban Specialist
Tokyo Development Learning Center
World Bank

Makoto Mihara
TDD Speaker
Manager
Environmental Policy
Environment Bureau of Osaka City Government
TECHNICAL DEEP DIVE ON
SOLID WASTE MANAGEMENT
SEP 24 TO SEP 28, 2018: TOKYO AND KITAKYUSHU

SPEAKERS AND COLLABORATORS

Junko Katsumi
TDD Speaker
Director in Charge of Technology
Waste Reduction Promotion Section
Environment Policy Bureau, Kyoto City

Shinji Tsushiro
TDD Speaker
Director
Facility Department, Environmental Bureau
Fukuoka City Government

Kazunori Nibu
TDD Speaker
Subsection Chief
Facility Department, Environmental Bureau
Fukuoka City Government

Yuji Aoyagi
TDD Speaker
Executive Director in charge of International
Environmental Cooperation
Environment Bureau, City of Kitakyushu

Junichi Sono
TDD Speaker
Director
Kitakyushu Asian Center for Low Carbon Society
City of Kitakyushu

Tetsuro Sakuka
TDD Speaker
Executive Director of the International Environmental
Economic Affairs Department, Environment Bureau
City of Kitakyushu

Hiroyuki Mimura
TDD Speaker
Assistant Manager, Resource Recycling Promotion
Section, Hiagari Waste Management Center,
Environment Bureau, City of Kitakyushu

Yoshiaki Ogawa
TDD Speaker
Assistant Manager, Resource Recycling Promotion
Section, Hiagari Waste Management Center,
Environment Bureau, City of Kitakyushu
TECHNICAL DEEP DIVE ON SOLID WASTE MANAGEMENT
SEP 24 TO SEP 28, 2018: TOKYO AND KITAKYUSHU

SPEAKERS AND COLLABORATORS

Junichi Hiraishi
TDD Speaker
Managing Director
Hiagari Incineration Facility, Hiagari Waste Management Center, Environment Bureau, City of Kitakyushu

Yusuke Higuchi
TDD Speaker
Manager
Hiagari Recycling Center for waste cans and bottles

Yoshio Sakazaki
TDD Speaker
Manager, Facilities Management Division
Resource Circulation Department, Environment Bureau
City of Kitakyushu

Yasuhiro Nishihara
TDD Speaker
President Director
Nishihara Corporation

Emiko Murakami
TDD Speaker
Director of Business Promotion
Kitakyushu Asian Center for Low Carbon Society
City of Kitakyushu

Jerome Philippe Le Borgne
TDD Speaker
Senior Project Development Manager
Project
Suez Environment

Bharati Chaturvedi
TDD Speaker
Director
Director’s Office
Chintan Environmental Research and Action Group

Takaki Matsuo
TDD Speaker
Executive Director
The Merry Corporation
SPEAKERS AND COLLABORATORS

Sei Kondo
TDD Speaker
Director, Environment Management Team 2
Global Environment Department
Japan International Cooperation Agency

Khee Giap Tan
TDD Collaborator
Co-Director, Asia Competitiveness Institute
Lee Kuan Yew School of Public Policy
National University of Singapore

Michael Koh
TDD Collaborator
Fellow
Centre for Liveable Cities
Ministry of National Development

Khosoda Kaori
City Partnership
Manager
International Environmental Strategies Division,
Environment Bureau, City of Kitakyushu

Masahiro Nakamura
City Partnership
Deputy Director
International Environmental Strategies Division,
Environment Bureau, City of Kitakyushu

(in order of speaking)
TECHNICAL DEEP DIVE ON
SOLID WASTE MANAGEMENT
SEP 24 TO SEP 28, 2018: TOKYO AND KITAKYUSHU

PARTICIPANTS

Yi Lingyuan
Ningbo, China
Deputy Director
Ningbo Domestic Solid Waste Separation Management Office, Municipal Administration Bureau

Peipei Wang
Ningbo, China
Staff Member
Division Of Publicity And Promotion
Ningbo Domestic Solid Waste Separation Management

Sing Cho
Ningbo, China
Senior Water And Sanitation Specialist
Water Global Practice
World Bank

Vimeanreaksmey Dek
Cambodia
Deputy Director
Department of Solid Waste Management
Ministry of Environment

Lim Soktay
Cambodia
Deputy Director
Sewerage Management and Construction Department (Smcd), Ministry of Public Works and Transport (Mpw)

Frank Van Woerden
Cambodia
Lead Environmental Engineer
GP Environment and Natural Resources
World Bank

Yashwant Bhimrao Dange
Maharashtra, India
Chief Officer
Urban Development
Maharashtra Urban Development Department

Amita Sanjay Patil
Maharashtra, India
Chief Officer
Urban Development
Urban Development Department, Maharashtra
TECHNICAL DEEP DIVE ON
SOLID WASTE MANAGEMENT
SEP 24 TO SEP 28, 2018: TOKYO AND KITAKYUSHU

PARTICIPANTS

Raghu Kesavan
Maharashtra, India
Senior Infrastructure Specialist
GSURR
World Bank

Faheem Akhtar Junejo
Karachi, Pakistan
Director (Pm&Ec)
Local Government
Local Government Department, Government of Sindh

Nadir Khan
Karachi, Pakistan
Secretary
Sindh Solid Waste Management
Sindh Solid Waste Management Board

Sohaib Athar
Karachi, Pakistan
Young Professional
GSURR
World Bank

Ali S.A. Barhoum
Gaza, Palestine
Executive Director
Solid Waste Sector, Joint Service Council for Solid Waste Management in Southern Gaza

Ahmad Mohammad Sokkar
Gaza, Palestine
Executive Manager, Solid Waste Management
The Higher Joint Service Council for Hebron and Bethlahem

Philipp Petermann
Gaza, Palestine
Resilience Specialist (JPO)
GSURR
World Bank

Waleed Ahmed Al-Abbasi
Yemen
Director of the Technical Office
Technical Office
Ministry of Public Works & Highways
TECHNICAL DEEP DIVE ON
SOLID WASTE MANAGEMENT
SEP 24 TO SEP 28, 2018: TOKYO AND KITAKYUSHU

PARTICIPANTS

Mohammed Mohammed Almaswari
Yemen
Assistant Deputy of Externally Funded projects Sector
Programing Projects Sector

Tahir Akbar
Yemen
Senior DRM Specialist
GSURR
World Bank

Arif Karimov
Azerbaijan
Deputy Head of Department
Utilization of household Waste Department
Tamiz Shahar JSC

Turkan Karim-zada
Azerbaijan
Adviser
International Cooperation Division
Ministry of Ecology and Natural Resources

Hadji Huseynov
Azerbaijan
Senior Infrastructure Specialist
GSURR
World Bank

Gale Tracy Rigobert
St. Lucia
Minister, Policy and Administration
Ministry of Education, Innovation, Gender Relations and Sustainable Development

Justin Roosevelt Sealy
St. Lucia
General Manager
Sustainable Development and Environment Department
Solid Waste Management Authority (SLSWMA)

Keren Charles
St. Lucia
Disaster Risk Management Specialist
GSURR
World Bank
TECHNICAL DEEP DIVE ON
SOLID WASTE MANAGEMENT
SEP 24 TO SEP 28, 2018: TOKYO AND KITAKYUSHU

PARTICIPANTS

Angela Healy
Panama
Secretaría General
AAUD

Agustin Ordoñez
Panama
General Sub-Coordinator
Panama Sanitation Program
Ministry of Health

Alida Spadafora
Panama
Head
Integrated Waste Management
Municipality Of Panama

Haris Sanahuja
Panama
Senior Disaster Risk Management Specialist
GSURR
World Bank

Peter Miriti Bundi
Nairobi, Kenya
Metropolitan Development, State Department of
Housing and Urban Development, Ministry of Transport
Infrastructure, Housing and Urban Development

Julius Kariuki Mwangi
Nairobi, Kenya
Director
Environment
Murang’A County

Bontje Marie Zangerling
Nairobi, Kenya
Urban Specialist
GSURR
World Bank

Ousmane Ndao
Senegal
Coordinator
National
Unité de Coordination de la Gestion des Déchets Solides
TECHNICAL DEEP DIVE ON
SOLID WASTE MANAGEMENT
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PARTICIPANTS

Mbicine Khady Sarr
Senegal
Manager
Cellule Etudes et Planification
Unité de Coordination de la Gestion des Déchets Solides

Sylvie Debomy
Senegal
Lead Urban Development. Specialist
GSURR
World Bank

Pierrot Ikaba
Kinshasa, Democratic Republic of Congo
Permanent Secretary of Project Management and Public Markets Cell, Provincial Ministry of Environment
Provincial Government of Kinshasa

Kwetal Muke Wan-Wour
Kinshasa, Democratic Republic of Congo
Expert in Planification Planning
RASKIN (Régie d'Assainissement de Kinshasa)
- Local Government Sanitation service

Qingyun Shen
Kinshasa, Democratic Republic of Congo
Urban Specialist
Africa Urban and Disaster Risk Management
World Bank

Abdi Abdalla Ali
Zanzibar, Tanzania
Assistant Head
Urban Planning
Zanzibar Urban Municipal Council

Mzee Khamis Juma
Zanzibar, Tanzania
Head of Department / Chief Municipal Engineer
Town Planning and Construction
Urban Municipal Council - Zanzibar

Fredrick Manase Nkya
Zanzibar, Tanzania
Urban and DRM
GSURR
World Bank
Tokyo and Kitakyushu  Sep 24 ➤ Sep 28, 2018

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