



11th hour to MDGs

3rd Asian Sanitation Dialogue

27–29 May 2014
Asian Development Bank, Manila, Philippines

Program



DAY 1 (27 May 2014)

7:30 Registration

Session 1: Introduction

9:00 **Video: Sustainable Sanitation - How Do We Get There?**

9:05 **Welcome Remarks**

Stephen P. Groff, *Vice President (Operations 2), ADB*

9:15 **Video: Message from Bill Gates and the Bill & Melinda Gates Foundation**

Keynote Speech

Sanitation: Achievements, Failures, and Post-2015 Goals

Payden, *World Health Organization*

Innovative Sanitation Technology

Michael R. Hoffman, *Professor, California Institute of Technology*

10:00 Group Photo, Launching of Knowledge Products

10:15 Coffee/tea break

10:35 **Keynote Speech: Innovations and Making Sanitation Happen**

Patrick Rousseau, *CEO and Managing Director, Veolia Water - India*

Session 2: Navigating the Paradigm Shift

10:50 **Introduction**

Chair: Amy Leung, *Director, Urban Development and Water Division, Southeast Asia Regional Department, ADB*

10:55 **Institutional Reforms**

• **Nepal and South Asia: Triggering and Sustaining Behavior Change**

Kishore Thapa, *Secretary, Ministry of Urban Development, Nepal*

• **Viet Nam: Meeting the MDGs, Policies and City Sanitation Strategies**

Hubert Jenny, *Principal Urban Development Specialist, ADB*

• **Indonesia: Capacity Development of Sanitation Service Operators**

Jose Cordovilla, *CEO, Solvere*

12:30 Lunch Break

1:30 **Keynote: Vision for Water and Waste in the 21st Century**
Henry Saint Bris, *Senior Vice President, International Institutional Relations and Marketing, Suez Environnement*

Session 3: Mythbusters: Technologies for Today's Sanitation Challenges

1:45 **Introduction**

1:50 **Technology Options and Enabling Conditions**

Sally C. Gutierrez, *Director, Environmental Technology Innovation Cluster Development and Support Program, United States Environmental Protection Agency (USEPA)*

2:05 **Moderated panel discussion**

Topics:

- Enabling conditions, regulations and incentives
- Innovative technologies for on-site sanitation, septage & wastewater management
- Choosing between centralized and decentralized systems
- Upgrading old and poor-performing wastewater treatment plants
- Comparison of costs and performance
- Working with communities

Moderator: Sally C. Gutierrez, *USEPA*

Panelists:

- **Technology for Sanitation: An Indian Experience**
Sideek Ahmed, *Chairman and Managing Director, Eram Scientific Solutions*
- **Decentralized Solutions: Agile and Appropriate**
Jens Bruns, *Board Member, Bremen Overseas Research & Development Association (BORDA)*
- **Comparing Technologies: The Case of Maynilad Water Services**
Francisco Arellano, *Senior Vice President, Maynilad Water Services, Inc.*
- **Technology Advances – Driven by Regulations and Sustainability**
Rodney Chapin, *Senior Vice President, CDM Smith*

3:10 **Synthesis by the Session Chair**

3:15 **Launching of the Sanitation Website**

Val Gonzales, *Consultant, Sustainable Infrastructure Division, RSDD (RSID), ADB*

3:30 Coffee/tea break

Session 4: Green from Brown: Greening our Urban Wastes

- 4:00 **Introduction**
Chair: Arjun Thapan, *Chair, Board of Trustees, Waterlinks*
- 4:10 **Video: Bayawan - Small City Sanitation Solutions**
- 4:15 **Sustainable Urban Development**
Paul Fleming, *Manager, Seattle Public Utilities, USA*
- 4:30 Moderated panel discussion
Topics:
- Wastewater in the context of the water-energy-food nexus
 - Solid waste management, resource recovery, and sustainable disposal
 - Pollution reduction and river clean up
 - Water efficiency and water reuse
 - Energy efficiency and low-carbon services and buildings
 - Climate change and waste management
- Moderator: Arjun Thapan
Panelists:
- Paul Fleming, *Manager, Seattle Public Utilities, USA*
 - Luis Lopez, *INCLAM*
 - Iñigo Aizpuru, *Project Manager, IDOM*
 - Jakyum Kim, *Korea Water Resources Corporation (K-Water)*
- 5:45 Synthesis of the Session
Jingmin Huang, *Senior Urban Development Specialist, Sustainable Infrastructure Division, RSDD (RSID), ADB*
- 6:00 Welcome Reception

DAY 2 (28 May 2014)

Session 5: The Big Necessity: Integrated Solid Waste Management

- 8:30 **Introduction**
Chair: Diwesh Sharan, *Director, Urban and Social Sectors Division, EARD (EASS), ADB*
- 8:35 **Green Solutions for Integrated Solid Waste Management**
Surendra Shrestha, *Director, International Environmental Technology Centre (IETC), United Nations Environment Programme*
- Working Models:
- **Solid Waste Management in City of Kitakyushu, Japan**
Takashi Ikeda, *Expert, City of Kitakyushu*

- **City Solid Waste Management Plan, Cost Recovery and Revenue Generation: Quezon City, Philippines**
Herbert Bautista, *Mayor, Quezon City, Philippines*
- **Municipal Solid Waste Management in Developing Countries: Lessons learned and suggestions for the coming years**
Henry Saint Bris, *Senior Vice President, International Institutional Relations and Marketing, Suez Environnement*

9:35 Open forum / Q&A

10:05 Synthesis by the session chair

10:10 Coffee/tea break

Session 6: From Waste to Resource

10:30 **Introduction**

Chair: Anthony Jude, *Senior Advisor, RSOD concurrently Practice Leader (Energy), ADB*

10:35 **Packaging Waste-to-Energy Projects**

Shuji Hashizume, *Investment Specialist, PSOD, ADB*

10:50 **Fecal Sludge to Electricity**

Roshan Shrestha, *Bill & Melinda Gates Foundation*

11:05 **Moderated Panel Discussion**

- **Carbon Credits from Wastewater Treatment**

Taitusi Vakadravuyaca, *General Manager, Water Authority of Fiji*

- **National Biodigester Programmes in Cambodia, Lao PDR and Viet Nam**

Bastiaan Teune, *Sector Leader of the Renewable Energy, SNV*

- **Waste Recycling and Recovery Business**

Derek Flynn, *Regional Asia Director, RosRoca Environment*

11:50 Open forum / Q&A

12:25 Synthesis by the session chair

12:30 Lunch

Session 7: Filling in the Financing Gaps

1:30 **Introduction**

Chair: Anand Chiplunkar, *Director, Urban Development and Water Division, CWRD (CWUW), ADB*

1:40 **Video: Transforming Thanh Hoa – Urban Sanitation in Viet Nam**

1:45 **Modalities for Financing and Sustaining Sanitation**
Bastien Simeon, *Global Head of Water, KPMG Corporate Finance*

Moderated Panel Discussion

Topics:

- Evaluating the life cycle cost
- Tariff setting and ring fencing for cost recovery
- Financing mechanisms and incentives for wastewater and septage management:
 - o national government subsidy
 - o credit enhancements
 - o connectivity-based incentives and output-based aid
 - o microfinancing
 - o revolving fund

Moderator: Anand Chiplunkar

Panelists:

Catarina Fonseca, *Senior Programme Officer, IRC International Water & Sanitation Centre*

Mitsuo Kitagawa, *Sewerage Works Expert, Japan Sanitation Consortium*

Dominic Schwalger, *Water Division, Samoa Water Authority*

Foot Buistraan, *Deputy Chief of Party, IUWASH/USAID*

3:00 Open forum / Q&A

3:30 Synthesis by the session chair

3:35 Coffee/tea break

Session 8: Supporting Sanitation Innovations

3:55 **Introduction**

Chair: FeiYue, *Director, Urban Development and Water Division, SARD (SAUW), ADB*

4:00 **Video: Sanitation Innovations in Urban Bangladesh**

4:05 **Objectives of the Sanitation Trust Fund**

Roshan Shrestha, *Bill & Melinda Gates Foundation*

4:15 **Why we need the Sanitation Trust Fund**

Amy Leung, *Director, SEUW, ADB*

4:25 **Accessing financing from the Sanitation Trust Fund**

Neeta Pokhrel, *Urban Development Specialist, SAUW, ADB*

4:35 Open Forum / Q&A

5:20 Synthesis by the session chair

5:30 **Partners Meeting: 7th World Water Forum (WWF) Regional Process: Asian Perspective**

DAY 3 (29 May 2014)

Session 9: Making a Business Case for Sanitation and Septage Management

8:30 **Introduction**

Chairs: Jan Willem Rosenboom, *Senior Program Officer, Bill & Melinda Gates Foundation*
Antoinette Kome, *Global Sector Coordinator, SNV Netherlands*

8:35 **Moderated Panel Discussion**

- Paulo Serias, *Manila Water Company, Inc.*
- Sthaeven Sugden, *Water for People*
- Ani Vallabhaneni, *SANERGY*
- Nirjhor Rahman, *Water and Sanitation for the Urban Poor*

9:35 Synthesis by the session chair

9:40 Coffee/tea break

Session 10: Rising to the Challenge: Roundtable with the Decision-makers

Topics:

- The biggest barriers to sanitation, and overcoming them
- How to make things happen
- Working with political champions

Introduction

Gil-Hong Kim, *Director, RSID, ADB*

Panel Discussion

Moderator: Gil-Hong Kim

Panelists

- John G. Bongat, *Mayor, Naga City, Philippines*
- Md. Maruful Islam, *Mayor, Jessore Pourashava, Bangladesh*
- Dwityo Aekoro Soeranto, *Deputy Director, Directorate General of Human Settlements, Ministry of Public Works, Indonesia*
- Parmod Kumar, *Director, Ministry of Urban Development, India*
- Yoshiharu Imajima, *Deputy Manager, Japan Sewage Works Agency*

Reactors: the Youth Group

11:40 Closing Remarks

Woochong Um, *The Secretary, Office of the Secretary, ADB*

11:50 Lunch Break

Field Visit

12:30 Assembly at the Main Lobby

12:40 Bus A:

- Septage treatment plant (Taguig City)
- Wastewater treatment plant (Muntinlupa City)

Bus B:

- Wastewater treatment plant with MBBR technology (Quezon City)
- Payatas waste disposal facility with waste-to-energy (Quezon City)
- Wastewater treatment plant (Quezon City)

Knowledge Networks for Innovative Sanitation

Chairs: Roshan Shrestha (BMGF) and Vivian Castro-Wooldridge (ADB)

This session will explore how knowledge and experience can best be used to accelerate innovative urban sanitation practices across Asia. The experiences of the South Asia Urban Knowledge Hub (K-Hub) partners in developing sanitation business plans will be presented for discussion amongst practitioners, researchers, donors, and others.

1:30 Welcome and introductions

1:45 Current status of urban sanitation and future hopes

2:15 K-Hub sanitation strategies

3:15 Coffee/tea break

3:35 Mapping of knowledge networks

4:15 Group Activity