



## Agenda

### WORKSHOP

## Strengthening Governance for Low-carbon Integrated Solid Wastes Management (ISWM) and Circular Economy

24~27 April 2018

Jeju-do, Korea

### Background

In this era of rapid urbanization and industrialization, solid and hazardous wastes are increasing and diversifying in their amount and kinds. Consequently, central and local governments are facing difficulties in managing wastes in a sustainable and efficient manner. Moreover, globally an ample amount of ever increasing quantity of solid wastes are being produced every day which requires enormous costs to be treated and disposed of properly.

In an effort to tackle issues and problems related to wastes management, the cities of Wuxi in China and Pune in India have served as testbeds for the Integrated solid wastes management (ISWM) system. The city government's response to the trial management system has been positive, and the trial experiment proved that with a properly established segregation and recycling system, a massive amount of wastes could be turned into resources rather than being sent to landfills as wastes. This, in due course, will contribute to achieving a circular economy which marks tangible progress toward achieving sustainable patterns of production and consumption.

The above trial clearly showed the need of establishing the ISWM system based upon the 3R (Reduce, Reuse and Recycle) in countries in which most of wastes are sent to landfills due to the absence of a proper wastes management system. In order for the ISWM system to be well established and to perform efficiently, government officials in those countries and cities need to properly understand how to implement the ISWM system.

This workshop will provide in-depth understanding of integrated solid wastes management (ISWM) and why it is urgently needed, an appreciation of its need, explain facets of ISWM applicable cases, and introducing ISWM related policies and technologies and other economic, environmental and social effects of ISWM.

### Event objectives

This overall goal of the course is to enhance the participants' knowledge and skills for applying integrated solid wastes management (ISWM). Participants will learn about: the purpose, scope and

application of ISWM; on-site application of ISWM technical processes; and Korea's wastes management strategies and policies. Participants will have an opportunity to apply the knowledge to different exercises and tests, so they will be prepared to implement an ISWM master plan that suits each of their unique national contexts.

## Learning objectives

To enable participants to:

- gain knowledge of Korea's wastes management systems and policies;
- understand the implication of integrated solid wastes management (ISWM) for circular economy;
- analyze and compare the technological gaps among countries with Korea's technological trends in wastes management;
- identify potential wastes management needs of cities and villages; and
- select appropriate wastes management approaches to establish a policy master plan.

## Content and structure

The course content will include the following topics:

- topic 1: changes and trends in wastes management policies
- topic 2: wastes-to-energy technologies
- topic 3: landfill site management and recycling system
- topic 4: integrated solid wastes management (ISWM) and technological application
- topic 5: wastes situation analysis for greenhouse gas (GHG) reduction
- topic 6: circular economy for sustainable wastes managements

## Methodology

The workshop will be comprised of:

- presentations and discussions
- self-assessment exercise and group work
- UNITAR 'City-Share methodology'
- study visit

## Target audience

This workshop is open to those in central and local governments, non-profit and academic sectors in the Asia-Pacific region who wish to implement integrated solid wastes management (ISWM) policies and technologies in both urban and rural settings, or make their contribution to reducing wastes and greenhouse gases (GHG) through circular economy.

## Requirement

Selected applicants are required to:

- submit necessary documents on time, i.e., registration form etc.
- complete and submit pre-training readings and assignments, i.e. case studies, self-assessment, etc.
- actively participate in the training program and **be fluent in written and spoken English.**

## Event detail

- Title: Workshop on Strengthening Governance for Low-carbon Integrated Solid Wastes Management and Circular Economy
- Date and Venue: 24~27 April 2018 / Jeju-do, Korea
- Organizers: UNITAR CIFAL Jeju, Green Technology Center, UN Environment, Jeju Special Self-Governing Province and SWITCH-Asia
- Content: Presentation, discussion and study visit  
(A certificate will be awarded at the end of the workshop.)

## Application and deadline

Send the following 7 documents to [cifaljeju.env@gmail.com](mailto:cifaljeju.env@gmail.com) by **30 March 2018 (Friday)**:

1. Download forms or guidelines from [www.cifaljeju.org](http://www.cifaljeju.org) (Notice → Upcoming events)
  - 1.1. Application
  - 1.2. Letter of nomination
  - 1.3. Letter of commitment
  - 1.4. Case study description (see guidelines)
  - 1.5. Acknowledgement, waiver and release of liability
  - 1.6. Consent to collection, usage and disclosure of personal information
2. Curriculum vitae (CV) – form of your own (※Late application will not be accepted.)

## Note

- Participation is subject to approval of the application by UNITAR CIFAL Jeju.
- Selected applicants will be notified individually.

## Assistance with travel expenses

- UNITAR CIFAL Jeju provides a **LIMITED financial assistance with the airfare** to Jeju-do, Korea.

Point of departure	Airfare assistance limit
Eastern Asia <sup>[1]</sup>	US\$ 300 (from Mongolia US\$ 400)
South-Eastern Asia <sup>[2]</sup>	US\$ 450 (from Cambodia, Lao PDR and Myanmar US\$ 650)
Southern Asia <sup>[3]</sup>	US\$ 800 (from Sri Lanka US\$ 700 and from Nepal US\$ 950)

\* Other points of departure – please contact UNITAR CIFAL Jeju

- Local expenses (venue-to-venue transportation, accommodation and meals) during the workshop will be covered by UNITAR CIFAL Jeju.
- All other expenses are the responsibility of the participants.

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[1] China, Hong Kong, Japan, Macau, Mongolia and Taiwan

[2] Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam

[3] Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka

## Program (draft)

Date	Time	Content
24 April (Tue)	<b>Session 1-1</b>	<b>Opening ceremony</b>
	09:00~09:20	Registration
	09:20~10:00	Opening ceremony (Organization introduction, opening remarks and group photo) Opening remarks <ul style="list-style-type: none"> <li>• Mr. Young-sam MA, Director, UNITAR CIFAL Jeju</li> <li>• Mr. Sung-Nyun KIM, Deputy Director, Ministry of Science and ICT</li> </ul>
	10:10~11:00	Keynote speech <ul style="list-style-type: none"> <li>• Mr. Youngsam MA, Director, UNITAR CIFAL Jeju</li> </ul>
	11:00~11:15	Coffee break
	11:15~12:00	Course introduction <ul style="list-style-type: none"> <li>• Dr. Jiwhan KIM, Principal Researcher, Green Technology Center</li> </ul>
	12:00~13:30	Lunch
	<b>Session 1-2</b>	<b>Governance &amp; Technology for Low-carbon ISWM</b>
	13:30~14:30	Governance case & Technology for ISWM <ul style="list-style-type: none"> <li>• Ms. Yong-mi AHN, Manager, Korea Environment Corporation</li> </ul>
	14:40~15:40	Technologies of wastes management I <ul style="list-style-type: none"> <li>• Dr. Sang-hoon Lee, Dean, Catholic University of Korea</li> </ul>
	15:40~16:00	Coffee break
	16:00~17:00	Technologies of wastes management II <ul style="list-style-type: none"> <li>• Dr. Sang-hoon Lee, Dean, Catholic University of Korea</li> </ul>
	<b>Session 1-3</b>	<b>Green and low carbon growth</b>
17:10~18:10	Green and low carbon growth <ul style="list-style-type: none"> <li>• Dr. Jeong-in KIM, Professor, Chung-Ang University</li> </ul>	
18:30~19:30	Welcome dinner by UNITAR CIFAL Jeju	
25 April (Wed)	09:00~09:10	Daily report
	<b>Session 2-1</b>	<b>Sustainable Production and Consumption</b>
	09:10~10:30	Sustainable production and consumption I <ul style="list-style-type: none"> <li>• Dr. Mushtaq A MEMON, Regional Coordinator, UN Environment</li> </ul>
	10:30~10:50	Coffee break
	10:50~12:00	Sustainable production and consumption II <ul style="list-style-type: none"> <li>• Dr. Mushtaq A MEMON, Regional Coordinator, UN Environment</li> </ul>

	12:00~13:30	Lunch
	<b>Session 2-2</b>	<b>ISWM Management Strategy</b>
	13:30~14:20	Wastes Management Strategies in Developing Countries ● <i>Dr. Subin Pinkayan, Professor, Asian Institute of Technology</i>
	14:30~15:20	Technology Diffusion & Governance for Wastes management ● <i>Dr. Subin Pinkayan, Professor, Asian Institute of Technology</i>
	15:20~16:30	Coffee break
	<b>Session 2-3</b>	<b>UNITAR City-Share methodology</b>
	16:30~18:00	UNITAR City-Share Methodology ● <i>Ms. Sunwoo BAE, Programme Officer, UNITAR CIFAL Jeju</i>
	18:30	Dinner
<b>26 April (Thu)</b>	09:00~09:10	Daily report
	<b>Session 3-1</b>	<b>Green city and resource efficiency</b>
	09:10~10:30	Wastes management and green city planning ● <i>Dr. Ali Gul QURESHI, Associate Professor, Kyoto University</i>
	10:30~10:40	Coffee break
	10:40~12:00	ISWM and resource efficiency ● <i>Dr. Mushtaq A MEMON, Regional Coordinator, UN Environment</i>
	12:00~13:30	Lunch
	<b>Session 3-2</b>	<b>UNITAR City-Share methodology</b>
	13:30~14:30	UNITAR City-Share Methodology ● <i>Ms. Sunwoo BAE, Programme Officer, UNITAR CIFAL Jeju</i>
	<b>Session 3-3</b>	<b>Wastes management Master planning</b>
	14:40~15:40	Method of Wastes management Master planning ● <i>Dr. Dukwoo-Jeon, Senior Researcher, GTC</i>
	15:40~16:30	Practice of Wastes management Master planning ● <i>Dr. Dukwoo-Jeon, Senior Researcher, GTC</i>
	<b>Session 3-4</b>	<b>Closing ceremony</b>
	16:40~17:00	Closing ceremony
17:30	Dinner	
<b>27 April (Fri)</b>	<b>Session 4-1</b>	<b>Study visit</b>
	10:00~	Study visit