



# Consultative Meeting on Water and Wastewater Management

Co-organized by  
*UNEP-DTIE-IETC and International Lake Environment Committee (ILEC)*

19-20 April 2010, Shiga, Japan

## AGENDA

19 April 2010 (Monday)

Schedule	Session
9:30 – 9:40	<b>Welcome Remarks</b> <ul style="list-style-type: none"><li>• <b>Dr. Takehiro Nakamura</b>, Director, International Environmental Technology Centre, UNEP Division of Technology, Industry and Economics (UNEP-DTIE-IETC)</li><li>• <b>Mr. Toshiaki Kagatsume</b>, Secretary General, International Lake Environment Committee Foundation (ILEC)</li></ul>
9:40 – 9:50	<b>Participant Introduction</b>
9:50 – 10:00	<b>Meeting Aims and Objectives</b> <ul style="list-style-type: none"><li>• <b>Dr. Takehiro Nakamura</b>, UNEP-DTIE-IETC</li></ul>
10:00 – 10:40	<b>Session 1</b> <b>Presentations: Role of UNEP in Water and Wastewater Management</b>  Chair: <b>Dr. Takehiro Nakamura</b> , UNEP-DTIE-IETC  The presentation will provide an overview on recent and current programming of UNEP on water and wastewater management, with a focus on the role of IETC and other key programmes. <ul style="list-style-type: none"><li>• Water and Wastewater Management - Contributions of UNEP and IETC: <b>Dr. Chizuru Aoki</b>, Senior Programme Officer, UNEP-DTIE-IETC</li><li>• Healing the Sick – The Water / Wastewater Challenge: <b>Mr. David Osborn</b>, Coordinator, Global Programme of Action for the Protection of the Marine Environment from Land-based Activities (GPA), UNEP</li></ul>
10:40 – 11:00	Tea Break

### Division of Technology, Industry and Economics

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11:00 – 12:30	<p><b>Session 2</b>  <b>Presentation and Discussion: Sharing Results and Lessons Learned from Water and Wastewater Initiatives</b></p> <p>Chair: <b>Mr. Surya P. Chandak</b>, Deputy Director, UNEP-DTIE-IETC</p> <p>In this session, presentations on key completed initiatives on Water and Wastewater Management undertaken and/or supported by IETC will be provided.</p> <ul style="list-style-type: none"> <li>• Transfer of Environmentally Sound Technologies (ESTs) and Management Practices: Iraqi Marshlands Project: <b>Dr. Ali Al-Lami</b>, National Coordinator, UNEP Iraqi Marshlands Project</li> <li>• Decision-Making Support - Modeling Applications for Phytotechnology: <b>Dr. Brent Wootton</b>, Director and Senior Scientist, Center for Alternative Wastewater Treatment (CAWT), Fleming College</li> <li>• Making Right Choices: A framework for Sustainability Assessment of Technology (SAT): <b>Mr. Surya P. Chandak</b>, UNEP-DTIE-IETC</li> <li>• <i>Every Drop Counts</i> - Environmentally Sound Technologies for urban and domestic water use efficiency: <b>Dr.-Ing. Thorsten Schuetze</b>, Assistant Professor, Faculty of Architecture, Environmental Design &amp; Smart Architecture, Delft Technical University</li> </ul> <p><b>Discussion</b></p>
12:30 – 13:30	Lunch
13:30 – 14:45	<p><b>Session 3</b>  <b>Presentations and Discussion: Sharing Plans and Expected Results for Water and Wastewater Initiatives</b></p> <p>Chair: <b>Dr. Takehiro Nakamura</b>, UNEP-DTIE-IETC</p> <p>In this session, presentations will introduce recently initiated or suggested activities to be undertaken in partnership with UNEP.</p> <ul style="list-style-type: none"> <li>• Promoting Ecological Sanitation and Urban-Rural Linkage: <b>Mr. Dan Lapid</b>, Center for Advanced Philippine Studies, Inc.</li> <li>• Enhancing Ecosystem Management of the Iraqi Marshlands utilizing the World Heritage Inscription Process (UNEP-UNESCO Natural and Cultural Management of the Iraqi Marshlands as a World Heritage): <b>Mr. Ryuichi Fukuhara</b>, Project Officer, UNEP-DTIE-IETC</li> <li>• Water Footprint: <b>Mr. Yoshihiro Mizutani</b>, Director, Project Division &amp; <b>Mr. Makoto Fujita</b>, Manager, Planning and Coordination Department, Project Division, Global Environment Centre Foundation (GEC)</li> </ul> <p><b>Discussion</b></p>
14:45 – 15:15	Tea Break

15:15 – 16:00	<p><b>Session 4</b>  <b>Perspectives from the Government of Japan and Shiga Prefecture</b></p> <p>Chair: <b>Dr. Satoru Matsumoto</b>, Associate Director, ILEC</p> <p>This session provides an update on water and wastewater priorities from the perspectives of the Government of Japan and Shiga Prefecture, including recent programming priorities and international technical cooperation in the areas of technology support, water efficiency, decentralized approaches, and linkages to climate change, and lake management.</p> <ul style="list-style-type: none"> <li>• MoE’s International Cooperation in Water Environment: <b>Mr. Takatoshi Wako</b>, Deputy Director, Water Environment Division, Environmental Management Bureau, Ministry of the Environment, Japan</li> <li>• Japan’s Activities in the Water and Sanitation Sector: <b>Ms. Noriko Kobayashi</b>, Deputy Director, Global Environment Division, International Cooperation Bureau, Ministry of Foreign Affairs, Japan</li> <li>• Our Challenge for Comprehensive Conservation of Lake Biwa: <b>Mr. Nobuhiko Miwa</b>, Deputy Associate Director, Lake Biwa Restoration Division, Department of Lake Biwa and the Environment, Shiga Prefectural Government, Japan</li> </ul>
16:00 – 17:30	<p><b>Session 5</b>  <b>Discussions on Water and Wastewater Initiatives towards Developing IETC Programmatic Package</b></p> <p>Co-Chairs: <b>Dr. Viet-Anh Nguyen</b>, Hanoi University of Civil Engineering and <b>Dr. Chizuru Aoki</b>, UNEP-DTIE-IETC</p> <p>IETC is developing a programmatic package on water and wastewater portfolio, which encompasses IETC’s current areas of concentration, including decentralized sanitation, water use efficiency, and EST transfer, as well as emerging areas that merit further attention. This session focuses on providing thematic and programmatic inputs to guide the development of this document. The following questions will be addressed to obtain feedback on the current areas of concentration:</p> <ul style="list-style-type: none"> <li>• What have been successful/unsuccessful in promoting the above areas of concentration, and why?</li> <li>• What are the potentials and drawbacks, and why?</li> <li>• What additional support and interventions are needed to fill the gaps in the current programming of IETC vis-à-vis the above mentioned areas of concentration?</li> </ul> <p>In addition, the participants are requested to comment on additional areas that merit further programmatic attention and enhancement beyond the current scope and timeframe. The participants are requested to reflect on the above, proposed partnerships and potential commitments during discussions on Day 2.</p>

20 April 2010 (Tuesday)

Schedule	Session
9:30 – 10:45	<p><b>Session 6</b>  <b>Presentations and Discussion: Linkage to Integrated Lake Basin Management (ILBM)</b></p> <p>Chair: <b>Dr. Saburo Matsui</b>, Professor Emeritus of Kyoto University, ILEC Board member</p> <p>Integrated Lake Basin Management, advocated by ILEC, aims to strengthen basin level environmental management. In this session, recent initiatives to enhance and implement this concept are presented. Discussions will focus on identifying areas of complementarities and priorities to enhance water and wastewater management in the next several years.</p> <ul style="list-style-type: none"> <li>• Integrated Lake Basin Management (ILBM) and its Application to Water Quality Management in Lake Victoria Basin: <b>Dr. Victor Muhandiki</b>, Associate Professor, Graduate School of Environmental Studies, Nagoya University</li> <li>• ILBM approach to improving water and sanitation in East Africa (ILEC Project sponsored by Ministry of the Environment): <b>Dr. Tomohiro Sato</b>, Researcher, ILEC</li> <li>• Water management of the Lake Biwa and Yodo River Basin from the perspective of virtual pollutant loads: <b>Dr. Shinji Ide</b>, Professor, University of Shiga Prefecture</li> <li>• <b>Dr. Masahisa Nakamura</b>, Professor, Research Center for Sustainability and Environment, Shiga University</li> </ul> <p><b>Discussion</b></p>
10:45-11:00	Tea Break
11:00-12:30	<p><b>Session 7</b>  <b>Presentations and Discussion: How to Enhance Technology Transfer for Decentralized and Augmentation-Oriented Applications</b></p> <p>Chair: <b>Mr. Ryuichi Fukuhara</b>, Project Officer, UNEP-DTIE-IETC</p> <p>Transferring and replicating environmentally sound technologies (ESTs) for water and wastewater management require both private and public sector engagement. While there have been gains in the large-scale applications, less focus has traditionally been placed on decentralized water and wastewater applications and augmentation-oriented ESTs and management practices. Examples of emerging programmes and innovative approaches for facilitating water and wastewater technology transfer for such application areas will be presented in this session.</p> <ul style="list-style-type: none"> <li>• Go beyond the choice either "Centralized" or "Decentralized": <b>Mr. Osamu Fujiki</b>, Chair of Managing Committee, Global Center for Urban Sanitation (GCUS)</li> <li>• How to enhance technology transfer for decentralized and augmentation-oriented applications – ADB &amp; ADBI's activities: <b>Mr. Tadashige Kawasaki</b>, Asian Development Bank Institute (ADB Institute)</li> <li>• Enhancing sanitation in Vietnam through Decentralized wastewater treatment technology transfer: <b>Dr. Viet-Anh Nguyen</b>, Hanoi University of Civil Engineering</li> </ul>

12:30 – 13:30	Lunch
13:30 – 15:00	<p><b>Session 8</b>  <b>Presentations and Discussion: How to Enhance Partnerships and Networking</b></p> <p>Chair: <b>Dr. Olivia la O’Castillo</b>, United Nations Secretary General Advisory Board on Water and Sanitation (UNSGAB)</p> <p>Partnerships across different institutions and stakeholders are recognized as a foundation to build capacity for Wastewater Management in developing countries. This session features key institutions that have established partnership- and network-oriented programming. The presentations will feature their strategies for partnerships and networking to enhance water and wastewater management, including information dissemination, policy dialogues, capacity building, and will identify and assess potential areas of collaboration with UNEP.</p> <ul style="list-style-type: none"> <li>• Networking and partnerships in water management: <b>Ms. Bedoshruti Sadhukhan</b>, Manager – Sustainability, ICLEI South Asia</li> <li>• Sustainable Sanitation Alliance (SuSanA) – “Sanitation in cities – a framework for action”: <b>Dr.-Ing. Thorsten Schuetze</b>, Delft Technical University</li> <li>• Enhancing partnerships &amp; networking with industry at local &amp; national levels in India: <b>Mr. Pradeep Sethi</b>, Corporate Insight, India</li> <li>• UNSGAB’s role in enhancing partnerships: <b>Dr. Olivia la O’Castillo</b>, United Nations Secretary General Advisory Board on Water and Sanitation (UNSGAB)</li> <li>• International cooperation in water and wastewater management by JICA: <b>Ms. Eriko Tamura</b>, Advisor, Global Environment Department, JICA</li> </ul> <p><b>Discussion</b></p>
15:00-15:45	<p><b>Session 9</b>  <b>Presentation and Discussions: Strategies and Approaches for Water and Wastewater Management and EST Replication</b></p> <p>Co-chairs: <b>Dr. Viet-Anh Nguyen</b>, Hanoi University of Civil Engineering and <b>Dr. Chizuru Aoki</b>, Senior Programme Officer, UNEP-DTIE-IETC</p> <ul style="list-style-type: none"> <li>• Proposed Programmatic Packages: <b>Dr. Viet-Anh Nguyen</b>, Hanoi University of Civil Engineering</li> </ul> <p>Based on the presentations and discussions so far, the following questions will be addressed in this session:</p> <ul style="list-style-type: none"> <li>• What are some of the key barriers identified, and how to start addressing them? What is the role for UNEP to address such gaps?</li> <li>• How does ILBM support water and wastewater management and vice versa, particularly for EST implementation?</li> <li>• What is the potential for integrated programming, such as water and waste management?</li> <li>• What are emerging areas of partnership with UNEP? Specifically, what can your institution do with/for IETC, and what can IETC do with/for your institution?</li> </ul>
15:45 – 16:00	Tea Break

16:00 – 17:15	<p><b>Session 10</b> <b>Discussions on the Proposed Programmatic Package on Water and Wastewater Management</b></p> <p>Chair: <b>Dr. Takehiro Nakamura</b>, UNEP-DTIE-IETC</p> <p>Following the discussions from day 1 the participants are requested to provide comments and identify partnerships and commitments on the proposed Programmatic Packages presented during this session.</p>
17:15 - 17:30	<p><b>Summary and Closing Remarks</b></p> <ul style="list-style-type: none"><li>• <b>Dr. Takehiro Nakamura</b>, UNEP-DTIE-IETC</li><li>• <b>Mr. Toshiaki Kagatsume</b>, ILEC</li></ul>