



Consultative Workshop on Water Footprint, Neutrality and Efficiency 1- 3 June 2010, Osaka, Japan

Co-organized by
United Nations Environment Programme
Division of Technology, Industry and Economics
International Environmental Technology Centre
(UNEP-DTIE-IETC)
 &
Global Environment Centre Foundation (GEC)

AGENDA

1 June 2010 (Tuesday)

Schedule	Session
9:30–9:45	<p>Welcome Remarks</p> <ul style="list-style-type: none"> • Dr. Takehiro Nakamura, Director, International Environmental Technology Centre, UNEP Division of Technology, Industry and Economics (UNEP-DTIE-IETC) • Mr. Kazuhiko Mitsuoka, Managing Director, Global Environment Centre Foundation (GEC)
9:45–10:00	<p>Participant Introduction</p>
10:00–10:45	<p>Session 1: Water footprint: introduction to initiatives undertaken by UNEP and GEC</p> <p>The session will introduce water footprint initiatives undertaken by UNEP and GEC. UNEP's Water Footprint, Neutrality and Efficiency (WaFNE) umbrella project will be presented, including an overview of ongoing activities and updates from the Water Accounting and Efficiency Stocktaking Workshop organized by UNEP in November 2009. GEC will introduce its initiatives and also summarize the current Japanese perspective on the water footprint concept.</p> <ul style="list-style-type: none"> • UNEP's Water Footprint and Efficiency Initiatives: Dr. Takehiro Nakamura, UNEP-DTIE-IETC • GEC's Survey and Review on Water Footprint from Japanese Perspective: Mr. Makoto Fujita, Manager, Planning and Coordination Department, GEC
10:45–11:00	<p>Tea Break</p>

Division of Technology, Industry and Economics
International Environmental Technology Centre (IETC)

2-110, Ryokuchi koen, Tsurumi-ku, Osaka 538-0036, Japan, Tel: +81.6.6915.4581; Fax: +81.6.6915.0304
 1091 Oroshimo-cho, Kusatsu, Shiga 525-0001 Japan, Tel: +81.77.568.4581; Fax: +81.77.568.4587
 E-mail: ietc@unep.org / URL: <http://www.unep.or.jp>

11:00–12:30	<p>Session 2: Methodologies and tools for water footprint and water accounting: geographical applications</p> <p>Water footprint and accounting applications at the geographical level have the potential for governments and industry to make more informed decisions about water-intensive investments and to provide an innovative tool to enhance water efficiency and water quality among potentially competing uses. Some governments and regions are beginning to quantify and report on their water footprint, with the view of informing cross-sectoral water efficiency improvement and equity in allocation. UNEP and the Water Footprint Network have been cooperating to address the need to refine methodologies and tools for geographical applications. The session will introduce recent activities and methodological refinements for the water footprint applications within geographic boundaries, and articulate issues where further work is needed.</p> <ul style="list-style-type: none"> • Water footprint application in specific geographical areas: Mr. Derk Kuiper, Executive Director, Water Footprint Network (WFN) • Case Water Footprints of Milk Production – A Case Study in the Moga district of Punjab, India: Dr. Herath Manthirithilake, Head, International Water Management Institute (IWMI) <p>Discussion</p>
12:30–14:00	Lunch reception
14:00–15:45	<p>Session 3: Status of standardization and harmonization and Needs for Industrial applications</p> <p>The process of proposing an International Standard for water footprinting is ongoing within the International Standards Organization (ISO) since 2009 in order to specify requirements and guidelines to assess and report water footprint based on the Life Cycle Assessment (LCA) concept. In this session, the objectives of the proposed standard and the progress of the ISO process will be presented. Commonalities and differences among related methodologies, such as carbon and ecological footprinting, need clarification for water footprint applications in the industrial sectors for water use efficiency and environmental sustainability. The session also features a briefing on the current status of UNEP's work on corporate water accounting for industry application.</p> <ul style="list-style-type: none"> ▪ Corporate Water Accounting - Methods and Tools for Industry Application, Dr Guido Sonnemann, Programme Officer, UNEP-DTIE-SCP (via tel-link) ▪ Water footprinting, life cycle assessment, and standardisation – Update on ISO activities on water footprinting: Mr. Sebastien Humbert, Scientific Director, Quantis, Switzerland and Co-convenor of ISO ▪ Assessing the Water Footprint versus Ecological and Carbon Footprints: Dr. Maite Aldaya, Post-doctoral Researcher, Twente University, WFN <p>Discussion</p>
15:45–16:00	Tea Break

16:00–17:00	<p>Session 4: Discussion on methodologies and tools for water footprint accounting: Finance (via Tele-conference)</p> <p>This session provides an update on the recent progress on the use of water footprint and water accounting in the financial sector, particularly for disclosure.</p> <ul style="list-style-type: none">• Assessing the Water Footprint versus Ecological and Carbon Footprints: Mr. Ivo Mulder and Mr. Remco Fischer, Programme Officers, Biodiversity and Ecosystem Services / Water & Finance, UNEP Finance Initiative <p>Discussion</p>
-------------	--

2 June 2010 (Wednesday)

Schedule	Session
9:30–11:00	<p>Session 7: Geographical level applications and assessment of conceptual validity and impacts for improving water use efficiency</p> <p>The UNEP project plans to carry out pilot testing and demonstrations in at least 3 countries to identify and implement options to reduce negative impacts of water usage and evaluate feasibility of offsetting residual impacts of water footprint. In this session, representatives of candidate pilot countries will present the current status, opportunities, and potential challenges of water footprint applications.</p> <ul style="list-style-type: none"> • Water Utilization and Efficiency in Vietnam, the Challenges and Solutions: Ms. Tran Thi Hien Hanh, Senior Officer, Pollution Control Department (PCD), Vietnam Environment Administration (VEA), Ministry of Natural Resources and Environment (MONRE), Viet Nam • Water Footprints of Sri Lanka & Impacts for Improving Water Use Efficiency and Sustainability: Dr. Herath Manthirithilake, International Water Management Institute (IWMI), Sri Lanka • Sustainable Production of the Nefzaoua Oases, Tunisia: Mr. Mohamed Fadhel Meddeb, Water/Sanitation and Disaster Management Consultant, Tunisia <p>Discussion</p>
11:00-11:15	Tea Break
11:15-12:00	Session 7: Continued
12:00-13:30	Lunch
13:30-14:00	<p>Session 8: Status of GEF project development for Water Footprint, Neutrality and Efficiency</p> <ul style="list-style-type: none"> • Dr. Chizru Aoki, Senior Programme Officer, UNEP-DTIE-IETC •
14:00-15:30	<p>Session 9: Way forward for UNEP project implementation and key issues for pilot application as water-offsetting and neutrality measures</p> <p>Participants are invited to discuss key conceptual and methodological issues to be articulated for wider applications and acceptance of the water footprint and related concepts, particularly to inform the UNEP project implementation. The issues to be discussed include:</p> <ol style="list-style-type: none"> 1. Methodological improvements for grey water, water quality management, and water reuse/recycling 2. Applicability of water footprint in the national Integrated Water Resource Management (IWRM) Plan and Water Efficiency Plan, particularly in the developing country context 3. Virtual Water trade as offsetting measure of the temporal and spatial variance of water through the international “water-fair” trade 4. Other areas that merit UNEP’s attention and involvement <ul style="list-style-type: none"> • Some issues for UNEP’s pilot geographical applications in the developing countries” context: Mr. Ryuichi Fukuhara, Project Officer, UNEP-DTIE-IETC <p>Discussion</p>
15:30–16:00	<p>Summary and Closing Remarks</p> <ul style="list-style-type: none"> • Dr. Takehiro Nakamura, UNEP-DTIE-IETC • Mr. Kazuhiko Mitsuoka, GEC

Special Open Session on Water Footprint

Co-organized by
United Nations Environment Programme
Division of Technology, Industry and Economics
International Environmental Technology Centre
(UNEP-DTIE-IETC)
&
Global Environment Centre Foundation (GEC)

3 June 2010 (Thursday)

13:00 – 17:00	<p>International Standards Organization (ISO) standard on Water footprint and perspective from public and private sectors in Japan</p> <p>The special session is organized to facilitate dialogue among experts and practitioners of water footprinting and related concepts, and to build better understanding among the public and private sectors in Japan about the opportunities, impacts, and challenges of applying water footprinting. The session consists of presentations by experts and a panel discussion, followed by a questions and answers session.</p> <p>Opening remark:</p> <ul style="list-style-type: none"> • Water footprinting and role of UNEP: Dr. Takehiro Nakamura, Director, UNEP-DTIE-IETC • Perspective of the Ministry of the Environment on water footprint: Mr. Takatoshi Wako, Deputy Director, Water Environment Division, Environmental Management Bureau, Ministry of Environment, Japan <p>Technical Presentations</p> <ul style="list-style-type: none"> • Water footprint as a tool for integrated water resources management: Dr. Maite Aldaya, Post-Doctoral Researcher, Twente University / Water Footprint Network • Creating Shared Value and Reducing the Corporate Water Footprint: Mr. Masazumi Takata, Director and Senior Managing Executive Officer, Nestlé Japan Ltd. • Issues on Water Footprint and Beyond: Dr. Taikan Oki, Professor, Institute of Industrial Science, University of Tokyo • Water footprinting, life cycle assessment, and standardisation – Update on ISO activities on water footprinting: Mr. Sebastien Humbert, Scientific Director, Quantis, Switzerland and Co-convenor of ISO <p>Panel Discussion Facilitator: Dr. Takehiro Nakamura, UNEP-DTIE-IETC</p> <p>Questions and Answers</p>
---------------	--

Japanese-English translation provided