

International Workshop
Improving Global Health through Safe Water
9-11 June 2007, Hamilton, Canada



UNITED NATIONS
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Inspiring Innovation and Discovery



World Health
Organization

Workshop Venue: Council Chambers, Gilmour Hall Room 111,
McMaster University

Workshop Agenda

9 June 2007

Opening Session

- 09:00 Opening remarks & introduction of workshop participants
Hans van Ginkel (United Nations University)
Susan Denberg (McMaster University, Canada)
Allison Sekuler (McMaster University, Canada)
- 09:30 Overview of the workshop objectives, agenda and modus operandi
Zafar Adeel, (UNU-International Network on Water, Environment and Health, Canada)
- 10:00 Keynote presentation: The overall water-health challenge
Ulisses Confalonieri (National School of Public Health, Brazil)
- 11:00 *Coffee break*
- 11:30 **Working Session 1: Driving factors for water-based health challenges**
Chairs: Mohamed Salleh bin Mohamed Yasin (UNU International Institute on Global Health) and Allison Sekuler (McMaster University)
Pressing water and health issues at the global level: policy challenges and capacity needs
Zafar Adeel (UNU-International Network on Water, Environment and Health, Canada)
New epistemologies for understanding the linkages between water and human health
Susan Elliott (McMaster University, Canada)
- 13:00 *Lunch*

14:00 **Working Session 2: Integration of water quality, sanitation and human health issues in developing countries**

Chairs: Ulisses Confalonieri (National School of Public Health, Brazil) and LeeNah Hsu (Mahidol University)

Water and Sanitation: A Challenge for Improving Health

Maria Hauengue (Ministry of Health, Mozambique)

Arsenic mitigation for water supply in Bangladesh: Technology and policy disconnects

Bilqis Hoque (Environment and Population Research Center, Bangladesh)

Considering pesticide pollution within the Ecosystem-Health-Water nexus

Fabrice Renaud (UNU –Institute for Environment and Human Security, Germany)

A New Approach for Evaluating Water Quality: Ecosystem and Human Health in Aquatic Environments: Nanoscale, Integrated Microbial and Geochemical Characterization

Lesley A. Warren (School of Geography and Earth Sciences, McMaster University)

15:30 *Coffee break*

16:00 Group discussion

17:00 Meeting adjourned

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09:00 **Working Session 3: Water as an ecosystem service**

Chairs: Bob Slater (Carleton University) and Bilquis Hoque (Environment and Population Research Center, Bangladesh)

Watersheds and EcoHealth: Ecosystems as a 'settings' for promoting health and sustainability

Margot Parkes (University of British Columbia)

Provision of safe drinking water by freshwater ecosystems: state of global knowledge and challenges in water quality monitoring

Richard Robarts (UNEP/GEMS Water Programme)

Managing water in diverse ecosystems to ensure human well-being

Caroline King (UNU-International Network on Water, Environment and Health, Canada)

Management of Non-point Sources of Water Pollution in North America

Yiping Guo (McMaster University)

Valuation of the Great Lakes Natural Assets

Gail Krantzberg (McMaster University)

10:30 *Coffee break*

11:00 **Working Session 4: Challenges in water provision - focus: capacity building**

Chairs: Karen Kun (Director, Waterlution - A Water Learning Experience) and Richard Robarts (UNEP/GEMS Water Programme)

Environment, water and health: educational strategies to build sustainable local, national and intercountry capacities

Virginia Schall (FIOCRUZ, Brazil)

Participatory capacity building for fresh water provision: A transdisciplinary ecosystems approach

LeeNah Hsu (Mahidol University)

Educational Strategies to Build Sustainable Capacities

Saad Jasim (Walkerton Clean Water Center)

Canadian experience in building capacity to provide safe water

Mark Servos (Canadian Water Network)

Development of an Alternative Latrine Design with Improved Pathogen and Nutrient Removal Capacity

David Blowes (University of Waterloo)

12:30 *Lunch*

- 14:00 **Working Session 5: The policy crossroads – addressing water provisioning to reduce health costs**
Chairs: Gail Krantzberg (Centre for Engineering and Public Policy in the School of Engineering Practice, McMaster University) and Maria Hauengue (Ministry of Health, Mozambique)
Safe Water and Sanitation issues within the overall framework of the Millennium Development Goals
Gordon Young (Former Coordinator, UN World Water Assessment Programme)
Health Care Cost and Burden of Unsafe Water and Sanitation in Developing Countries
Syed Mohamed Aljunid (UNU-International Institute for Global Health)
Safe water and sanitation on the international policy agenda
Velma I Grover (UNU-International Network on Water, Environment and Health, Canada)
Engaging Youth to Address Global Water Challenges
Vicki Saunders (Impactation)
- 15:30 *Coffee break*

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- 09:00 **Working Session 6: Identifying research gaps and need for capacity development**
Chairs: Adeel Zafar (UNU-International Network on Water, Environment and Health) and Virginia Schall (FIOCRUZ, Brazil)
Capacity needs assessment for improving global health through safe water
Colin Mayfield (UNU-International Network on Water, Environment and Health, Canada)
Linking University Based Research through Knowledge Production, Translation / Transformation, and Capacity Building
Bruce Newbold
Presentation of Chairs Summaries
Session Chairs
- 10:30 *Coffee break*
- 11:00 Open Discussion: Formulation of workshop recommendations
- 12:30 Summary of workshop and closing remarks
- 13:00 Workshop adjourned