



## **How to Develop a Tool Box to Facilitate Transboundary Water Resources Management with an Emphasis on Water Quality**

A 5<sup>th</sup> World Water Forum Learning Centre Course Sponsored by the Environmental and Water Resources Institute of the American Society of Civil Engineers

**When:** Thursday, March 19, 2009 2:30 – 7:00 PM

**Where:** Classroom 1; Mahmut II Hall; Feshane Venue

**Target Audience:** Policy makers, water managers, border officials involved in water and environmental management, NGOs, water resource scientists and engineers, teachers, water negotiators etc.

**Course Content:** The course describes a series of tools useful in facilitating transboundary water agreements. The course includes discussion on the “Comprehensive Transboundary Water Quality Management Model Agreement with Guidelines for the Development of Standards, a Management Plan, and Effective Agreements”, which is an ASCE Publication. This provides a framework for negotiation. The course then looks at an actual tools developed for water allocation and quality negotiations on the US-Mexico Border. The water quality and quantity tools were designed for use with stakeholders. Interactive models using the data are presented which can address stakeholder objectives. Finally the tools, including stakeholder involvement, are linked together to produce a recommended implementation plan for transboundary water management.

**The Instructors:** The instructors are affiliated with the University of Texas at Austin and the Environmental and Water Resources Institute

of ASCE. Dr. McKinney has over 20 years experience in teaching water resources management. He is a co-author of a recent textbook on transboundary water resources. He has consulted on transboundary water issues in the US, Mexico, Europe and Asia and spent 2 years in Central Asia as a special consultant for the United States Agency for International Development on transboundary water management issues. He has also taught transboundary water management courses at the US State Department. Mr. Killgore has 30 years of water resources experience and has worked in industry, government and academia and worked on transboundary water quality issues between the US and Canada. He taught at the Learning Center at the 4th World Water Forum in Mexico City. He participated in a complex settlement agreement on a hydroelectric project in the US involving multiple stakeholders including tribes, NGOs and agency official at the local state and federal level. He is currently a manager at Puget Sound Energy involved in implementing hydroelectric facilities. Both instructors participated in the Regional Process of the Americas leading up to the 5th World Water Forum.

**Additional Information - Links to key websites:**

<http://www.pubs.asce.org/>

<http://www.ewrinstitute.org/>

<http://www.ce.utexas.edu/prof/McKinney/McKinney.html>

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**Session I: Introduction to Transboundary Water Resources Management**

Time Topic

2:30 – 2:45 pm Welcome and Introductions

2:45 – 3:15 pm Transboundary Water Resources Management I: Introduction

3:15 – 3:30 pm Participants' Experience with Transboundary Water Resources

3:30 – 3:45 pm Break

**Session II: Agreements for Transboundary Water Resources Management**

Time Topic

3:45 – 5:00 pm Transboundary Water Resources Management II: Agreements

5:00 – 5:15 pm Participants' Experience with Transboundary Water Agreements

5:15 – 5:30 pm Break

**Session III: Tools for Transboundary Water Resources Management**

Time Topic

5:30 – 6:45 pm Transboundary Water Resources Management III: Information and Modeling

6:45 – 7:00 pm Participants' Experience with Transboundary Information and Modeling