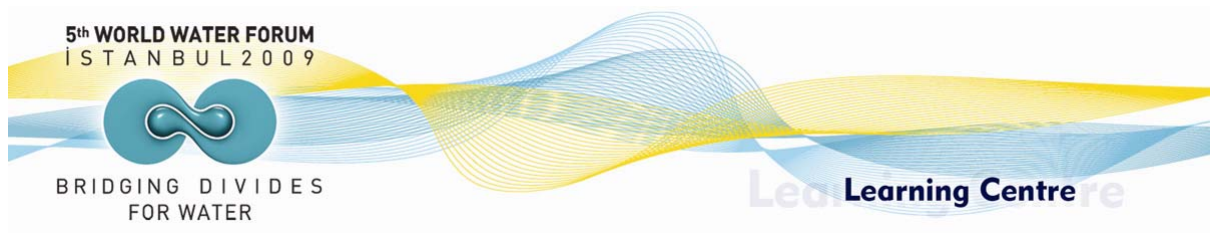
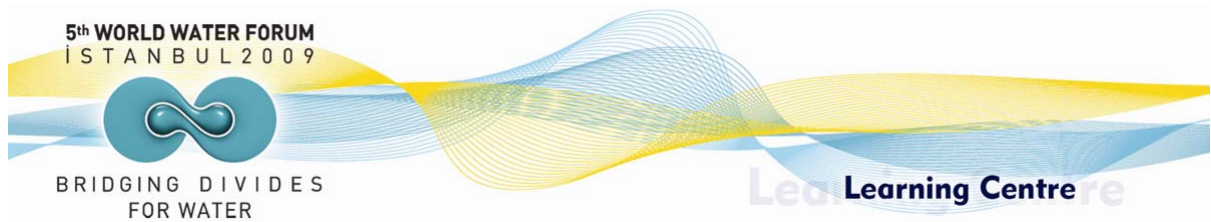


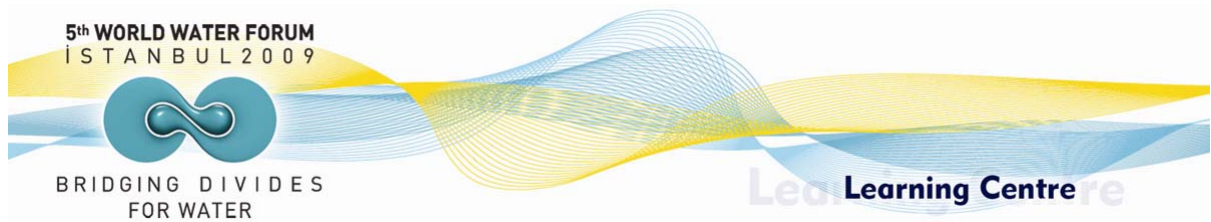
Title of the Training	How to Establish a Dam Safety and Emergency Action Plan
Time and date	08:30 - 13:00 - March 17th
Room	Classroom 4 (30 people)
Convening Organization	U.S. Bureau of Reclamation
Contact person	Michael S. Hood
Type of instruction	Lecture/Demonstration/Practical Exercise (all incorporated)
Relevance to the 5th World Water Forum	Theme 3: Managing and Protecting Water Resources & Their Supply Systems to Meet Human & Environmental Needs; Theme 6: Education, Knowledge & Capacity Development
Brief description	This will be a "how to" practical approach to establishing a risk analysis-based dam safety program, with emphasis on step by step approach to establishment and implementation. Additionally, emergency action planning in preparation for worst-case scenarios regarding dam failure will be covered in a practical manner as well.
Target Audience	Water facility managers in the developing world--especially in those countries that have not yet established a risk-based analysis program for dealing with dam safety and emergency planning.
Instructors and Affiliated Organizations	Michael S. Hood
Additional information/comments	
Region	Americas



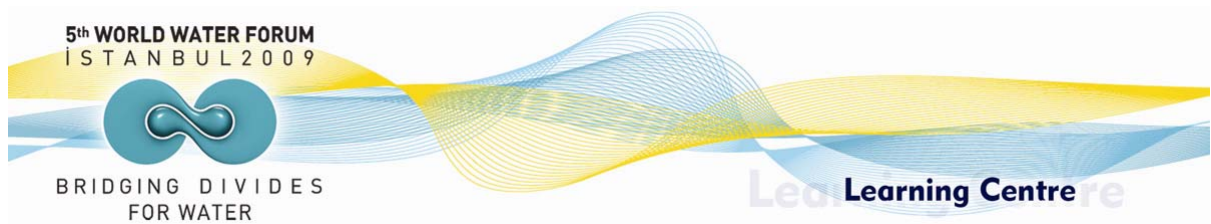
Title of the Training	How to transform wastewater into drinking water using innovative technologies
Time and date	08:30 - 11:00 - March 19th
Room	Classroom 2 (30 people)
Convening Organization	Tetra Tech, Inc.
Contact person	Mark Wilf
Type of instruction	Lecture and case study
Relevance to the 5th World Water Forum	The subject of evaluation feasibility of municipal wastewater reclamation is relevant to augmentation of water supply through multiple use of water (Topic 2.4) and as innovative solutions to water shortages (Topic 6.2)
Brief description	The workshop will include information on commercial wastewater reclamation technologies as they are applied at various locations to produce effluent of potable quality. Information on economics of construction and operation of such treatment systems will be provided. Approach to evaluate such projects will be discussed.
Target Audience	Water engineers, city planners, community leaders, local authorities.
Instructors and Affiliated Organizations	Mark Wilf
Additional information/comments	
Region	Americas



Title of the Training	How to Develop a Tool Box to Facilitate Transboundary Water Resources with an Emphasis on Water Quality
Time and date	14:30 - 19:00 - March 19th
Room	Classroom 1 (50 people)
Convening Organization	Environmental and Water Resources Institute
Contact person	Mark Killgore
Type of instruction	Lecture with actual demonstration of tools developed for US-Mexico transboundary region.
Relevance to the 5th World Water Forum	Topic is directly connected to theme 3 "Managing and protecting resources and their supply systems to meet human and environmental needs" - specifically topic 1 "Basin management and trans-boundary water cooperation".
Brief description	The course describes a series of tools useful in facilitating transboundary water agreements. The course begins with "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 actual tools developed for water allocation and quality negotiations on the U.S.-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.
Target Audience	Policy makers, water managers, border officials involved in water and environmental management, NGOs, water resource scientists and engineers, teachers, water negotiators etc.
Instructors and Affiliated Organizations	Mark Killgore; Daene McKinney (University of Texas at Austin)
Additional information/comments	
Region	Americas



Title of the Training	How to use the Sustainable Watershed Modeling Toolbox
Time and date	14:30 - 19:00 - March 17th
Room	Classroom 1 (50 people)
Convening Organization	Tetra Tech, Inc.
Contact person	Andrew Parker
Type of instruction	Lecture, case study, and demonstration
Relevance to the 5th World Water Forum	Will demonstrate applicability of publicly available decision-support tools used in IWRM (Topics 3.1 and 3.4, in particular). This will include operational tools to achieve better basin management and transboundary cooperation; and technological tools for informed stakeholders and decision makers, with regard to managing and protecting surface, ground, (soil) and rain water).
Brief description	Training will provide users with an understanding of specific components of the Toolbox. Depending on which modules are selected by the Learning Center organizers for presentation, this may include the following: 1: Overview of the linked modeling system for IWRM [presentation], 2: Basin scale simulation model (LSPC) [presentation, demonstration, case study], 3: High resolution receiving water model (EFDC) [presentation, demonstration, case study], and/or 4: Field-scale management and optimization model (BMP-DSS) [presentation, demonstration, case study]
Target Audience	Government ministries, local authorities, and policy makers
Instructors and Affiliated Organizations	Andrew Parker
Additional information/comments	Additional information on attached file.
Region	Americas

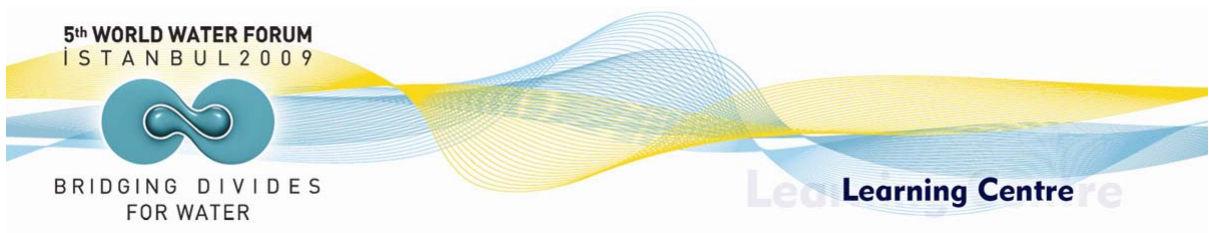


Title of the Training	How to preserve and rehabilitate Qanats (Kahriz/Aflaj/Fogarra) as a sustainable irrigational technique in arid and semi-arid regions
Time and date	14:30 - 19:00 - March 18th
Room	Classroom 2 (30 people)
Convening Organization	International Center on Qanats & Historic Hydraulic Structures
Contact person	Majid Labbaf Khaneiki
Type of instruction	Lecture
Relevance to the 5th World Water Forum	Topic 6.2 / Water Science and Technology: Appropriate and Innovative Solutions for the 21st Century to Address the Needs of Society
Brief description	A Qanat is a gently sloping subterranean conduit, which taps a water-bearing zone at a higher elevation than cultivated lands. Qanats are environmentally sustainable water harvesting and conveyance techniques through which groundwater can be obtained without causing damage to the tapped aquifer. The main objective of the course is to incorporate the indigenous knowledge into the new methods of construction, preservation, rehabilitation and operation of Qanat systems.
Target Audience	Local authorities, NGOs, engineers, and experts of the ministries of water or agriculture especially those coming from the qanat holding countries (Iran, Pakistan, Afghanistan, China, Saudi Arabia, Oman, Iraq, Azerbaijan, Algeria, etc)
Instructors and Affiliated Organizations	Majid Labbaf Khaneiki
Additional information/comments	Convening Organization - International Center on Qanats & Historic Hydraulic Structures (ICQHS),
Region	Asia-Pacific

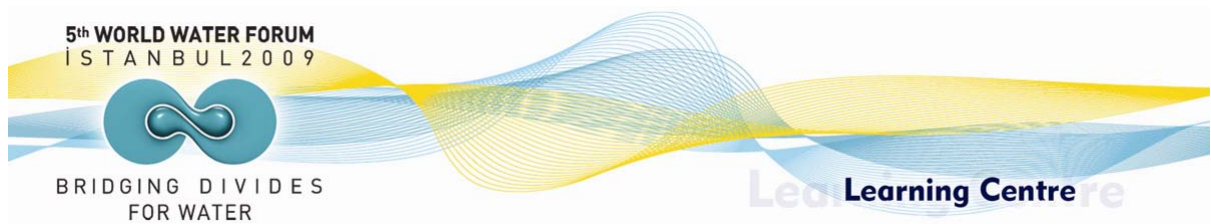
Title of the Training	How to Scale up Household Water Treatment Programs
Time and date	08:30 - 13:00 - March 17th
Room	Classroom 1 (50 people)
Convening Organization	Centre for Affordable Water and Sanitation Technology (CAWST)
Contact person	Camille Dow Baker
Type of instruction	Workshop, Discussion
Relevance to the 5th World Water Forum	Topic 2.1 "Ensuring water, sanitation and hygiene for all"
Brief description	<p>The hosts are the Scale-up Sub Group, Implementation Committee, WHO Network to Promote Household Water Treatment and Safe Storage. The purpose is to generate interest in promoting and implementing household water treatment programs globally.</p> <p>By the end of this workshop, participants will be able to:</p> <ul style="list-style-type: none"> • Understand the basic practices and technologies associated with household water treatment • Explain at an introductory level the rationale for initiating a household water treatment program • Contribute to generating solutions to the challenges identified in scaling up household water treatment programs • Identify one or two immediate actions to take to move forward the household water treatment agenda • Connect with other participants or international resources that can assist with implementation of HWTS programs
Target Audience	Policy makers, government ministries, NGOs
Instructors and Affiliated Organizations	Camille Dow Baker
Additional information/comments	<p>Learning Objectives:</p> <p>Understand the basic practices and technologies associated with household water treatment</p> <p>Explain at an introductory level the rationale for initiating a household water treatment program. This rationale includes the link between HWTS and water supply and infrastructure objectives.</p> <p>Describe the characteristics of a successful HWTS program</p> <p>Contribute to generating solutions to the challenges identified in scaling up household water treatment programs</p> <p>Identify one or two immediate actions to take to move forward the household water treatment agenda</p> <p>Connect with other participants or international resources that can assist with implementation of HWTS programs</p> <p>Identify what information is available on household water supply and treatment, and how to access it.</p>

	<p>Confirmed Speakers:</p> <p>Organization Description Representative</p> <p>CAWST Canadian NGO which provides training and consulting in W&S for those who serve the poor globally Camille Dow Baker President & CEO</p> <p>DHAN Foundation Indian NGO which promotes innovations with the potential to help the poor; supports development of institutions which serve the poor; and educates young professionals to participate in the development sector. A.Gurunathan, Chief Executive of DHAN Vayalagam (Tank) Foundation</p> <p>Eawag/ Sandec Swiss Research Institute which promotes and supports SODIS (solar disinfection) practices globally. Martin Wegelin Senior Advisor</p> <p>Medentech Irish private sector manufacturer of Aquatabs, a water purification tablet Kevin O’Callaghan Sales and Marketing Mgr</p> <p>PATH US NGO which conducts and promotes evaluations of the effectiveness and efficiency of new and existing health care technologies. Glenn Austin</p> <p>PSI US NGO with significant expertise and experience in social marketing globally Sally Cowal Snr Vice President & Chief Liaison Officer</p> <p>Safe Water International US NGO dedicated to identifying clean drinking water solutions for the poorest and involving the local marketplace to deliver solutions.</p>
--	--

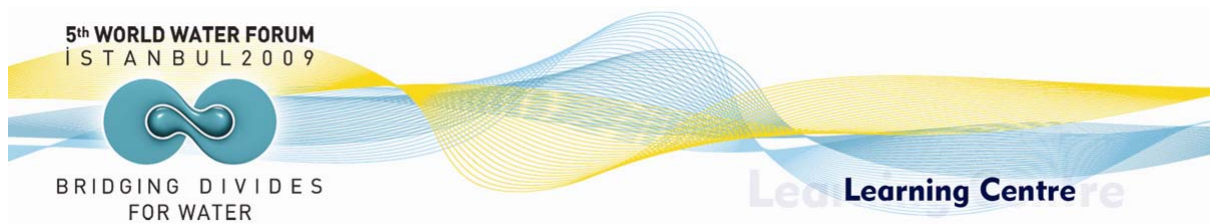
	<p>Larry Siegel</p> <p>UN Habitat Partners with Coca Cola to deliver HWTS Programs in Nepal, and, works actively to introduce HWTS to government agencies in the Mekong. Mr. Andre Dzikus, Chief Water and Sanitation Section II</p> <p>UNICEF Global promoter of HWTS programs To Be Confirmed</p> <p>Agenda The detailed agenda is being prepared. It is expected to follow the general outline of the Learning Objectives and incorporate the specific learnings of the contributing organizations.</p> <p>Pre- Reading The UNICEF document attached is recommended as pre-reading for the session.</p> <p>The following organizations have expressed interest in assisting in the convening of this session:</p> <ol style="list-style-type: none"> 1. Academy Of Education Development (AED), Nepal 2. Aquaatis, Netherlands 3. CAWST, Canada 4. Chujio Ceramics, Kenya 5. Connect International, Netherlands 6. Development of Humane Action (DHAN), India 7. Edeni Chemical Trading, Zambia 8. Environment and Public Health Organization (ENPHO), Nepal 9. Enterpriseworks, USA 10. HOPE, Pakistan 11. John Hopkins University, USA 12. London School of Hygiene and Tropical Medicine, UK 13. Medentech, Ireland 14. MIT, USA 15. PATH 16. Pure Water for the World, Honduras
--	--



	<ul style="list-style-type: none"> 17. Rural Africa Development Fund (RAWDP), Nigeria 18. Safe Water International, USA 19. Seeds of Hope International partnership (SHIP), Zambia 20. Single Drop for Safe Water, Philippines 21. Society for Sustainable Development, Pakistan 22. Solutions Benefitting Life, USA 23. International Federation of Red Cross and Red Crescent Societies 24. Hindustan Lever, India
Region	Americas

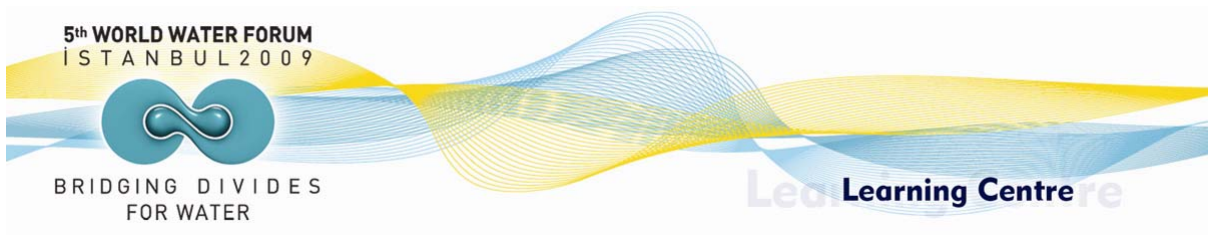


Title of the Training	How can water play a role in the political history in the arid and semi-arid regions? (case study: Iran)
Time and date	14:30 - 19:00 - March 19th
Room	Classroom 3 (30 people)
Convening Organization	International Center on Qanats & Historic Hydraulic Structures
Contact person	Majid Labbaf Khaneiki
Type of instruction	Lecture
Relevance to the 5th World Water Forum	Topic 6.5 / Water and Culture
Brief description	This training course takes up the role of water in the economic structures in Iran and its effect on the traits of the political systems in comparison to the ones in the surroundings of Iran. In this course we try to draw the trainees' attention to the fact that water is not only a chemical combination, but also it can give rise to the political systems in the arid and semi arid regions. So water management is crucial in political and even international interactions.
Target Audience	Local authorities, NGOs, and experts of the ministries of water or agriculture especially those coming from arid and semi-arid countries
Instructors and Affiliated Organizations	Majid Labbaf Khaneiki
Additional information/comments	
Region	Asia-Pacific



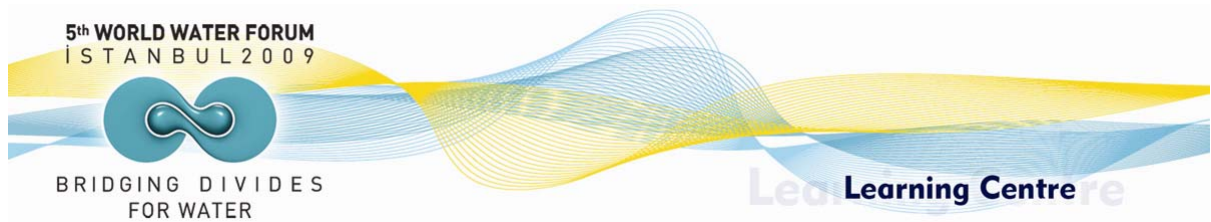
Title of the Training	How to enhance the economic efficiency of Qanat (Kahriz/Aflaj/Foggara)
Time and date	14:30 - 19:00 - March 20th
Room	Classroom 3 (30 people)
Convening Organization	International Center on Qanats & Historic Hydraulic Structures
Contact person	Majid Labbaf Khaneiki
Type of instruction	Lecture
Relevance to the 5th World Water Forum	Topic 2.4 / Multiple Use and Functions of Water Services
Brief description	A Qanat is a gently sloping subterranean conduit, which taps a water-bearing zone at a higher elevation than cultivated lands. Given that the maintenance cost of a qanat system is relatively high, we can consider other possibilities of the qanat to increase its income. In this course we mention four possible uses of qanat other than its main function: 1-breeding fish 2-generating electricity 3-tourism 4-setting up some modern irrigational methods
Target Audience	Local authorities, NGOs, engineers, and experts of the ministries of water, agriculture or tourism especially those coming from the qanat holding countries (Iran, Pakistan, Afghanistan, China, Saudi Arabia, Oman, Iraq, Azerbaijan, Algeria, etc)
Instructors and Affiliated Organizations	Majid Labbaf Khaneiki
Additional information/comments	
Region	Asia-Pacific

Title of the Training	How to Improve Water Information Systems to Support Water Management and Environmental Restoration: A Case Study of Capacity Development in Iraq
Time and date	14:30 - 19:00 - March 19th
Room	Classroom 5 (30 people)
Convening Organization	U.S Geological Survey
Contact person	WARD STAUBITZ (U.S Geological Survey)
Type of instruction	Case study
Relevance to the 5th World Water Forum	This learning session supports WWF5 Theme 6 "Education, knowledge, and capacity building strategies"
Brief description	The learning session will describe an effective process for capacity development in installing, operating, and sustaining hydrologic data networks. The learning session will be framed within a case study of a successful process followed in Iraq where upgraded hydrologic networks were implemented at an operational level to support regional water resources management and environmental restoration. The learning session will describe the experiences of both the donor nations and the receiving nation and will offer a description of a successful process and lessons learned that can be applied more broadly. The attendees will leave with a tool kit of information that can guide development of hydrologic networks in a variety of environments.
Target Audience	Donor countries, NGOs, and receiving country national and provincial ministry staff who have responsibility for the measurement and management of water resources at the river basin scale.
Instructors and Affiliated Organizations	Andrea Cattarossi
Additional information/comments	<p>Proposed Course Agenda</p> <p>How to Improve Water Information Systems to Support Water Management and Environmental Restoration: A Case Study of Capacity Development in Iraq</p> <p>14:30-14:45 Welcome and Introductions Review of learning session objectives and schedule; introduction of speakers and attendees.</p> <p>Facilitator</p> <p>14:45 – 15:15 Renovation of Iraqi hydrologic monitoring network High-quality, real-time streamflow, water-quality, and snow data are critical for meeting water resources management and environmental restoration objectives. This session describes the process of identifying water resources information needs, designing appropriate hydrologic networks, and installing operational networks in the field. The session describes the experience of the U.S. and Italian governments in collaborating with the Iraq Ministry of Water Resources (MoWR) to acquire instrumentation and provide technical expertise and training to improve their ability to acquire and manage water resources</p>

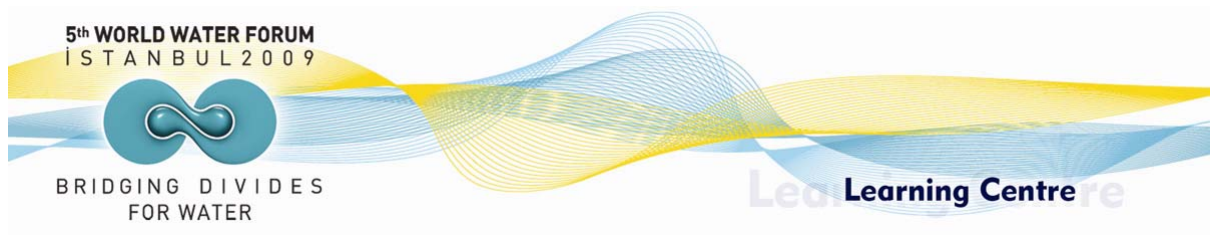


	<p>information Steve Lipscomb, USGS</p> <p>15:15 – 16:00 Rehabilitation of Iraq’s southern marshes Hydrologic information systems must be designed to meet specific water resources management or environmental restoration needs. This session describes how enhanced hydrologic information was used in the restoration of the Iraq marshes by the MoWR with support from IMET, The New Eden Group, and others. Andrea Cattarossi, IMET</p> <p>16:00 - 16:15 Coffee break</p> <p>16:15- 17:00 Tools for improved water management Development of reservoir and flow routing models based on unimpaired flow analyses were undertaken by the USACE HEC in collaboration with the MoWR. These tools and analyses are being used by the MoWR to better manage water resources for hydroelectric generation, irrigation, public water supply, and environmental flows. USACE, Chris Dunn</p> <p>17:00 - 17:30 Iraq MoWR perspective The MoWR has a long history of managing water resources in Iraq including the operation and maintenance of numerous large dams and other facilities on the Tigris and Euphrates Rivers, and their tributaries. The MoWR was at the center of the capacity development efforts and they will describe their experience with installing and sustaining hydrologic networks and other lessons learned. Iraq MoWR</p> <p>17:30- 18:00 Wrap-up and Discussion</p>
Region	Turkey and surrounding countries

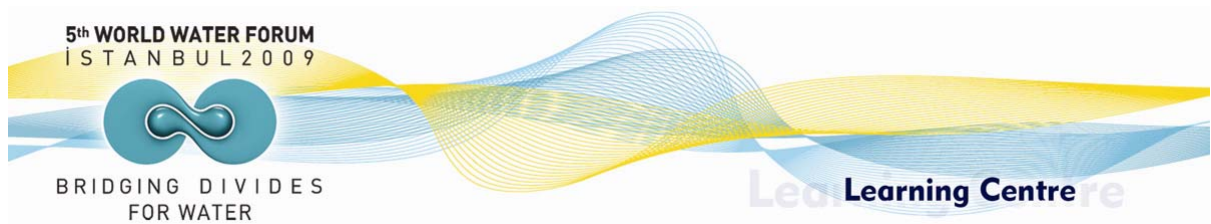
Title of the Training	How to Use Remote Sensing for Improved Water Management
Time and date	08:30 - 13:00 - March 18th
Room	Classroom 1 (50 people)
Convening Organization	Arab Water Council
Contact person	Safwat Abdel-Dayem (Arab Water Council)
Type of instruction	Lectures and Case Studies
Relevance to the 5th World Water Forum	This proposed Learning Center is pertinent to the following WWF themes and topics: Topic 1.1, Topic 1.3, Topic 2.3,, Topic 3.1, Topic 3.4, Topic 4.5, Topic 6.1, and Topic 6.2
Brief description	The course will present an approach based on NASA's Land Data Assimilation System, which brings together relevant remotely sensed information, results from model simulations and conventional ground-based data to produce organized, accessible information about water and energy balance variables at a variety of time and space scales. Some case Studies of Remote Sensing applications in water Management in Arab Countries will be presented.
Target Audience	Policy makers, government ministries, water managers, researchers, NGOs
Instructors and Affiliated Organizations	Bayoumi Attia; Chris Perry; David Toll
Additional information/comments	The Arab Water Council has partnered with NASA, U.S. Department of Agriculture, USAID, the World Bank and universities to pursue how the use of satellite data may improve water resources management for their region. In many cases where traditional data are lacking or unreliable, the space based remote sensing and associated modelling techniques may now enable the collection of accurate water data over numerous space (local to regional) and time (hourly to decadal) scales. Such data may be obtained over the internet and turned into information through water balance inventories, maps and graphs that allow stakeholders and decision makers to be involved and to take better, more informed decisions. These new sources of data present opportunities and challenges to those concerned with water resources management and adaptation to climate change. This proposed Learning Center Course in the 5th World Water Forum will serve as an example of how remotely sensed information may provide a valuable tool towards achieving sustainable water resources management.
Region	MENA / Arab Region



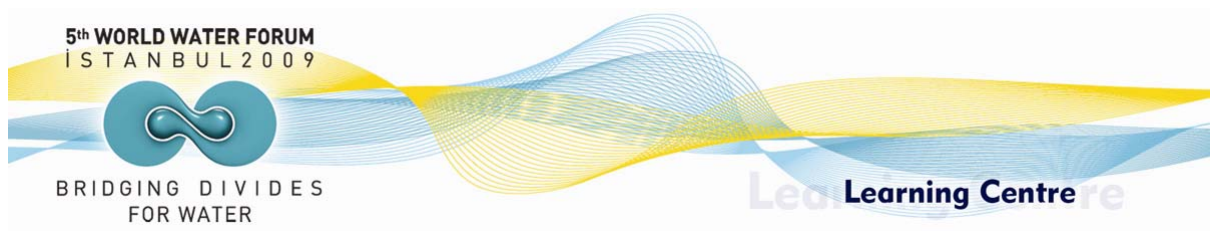
Title of the Training	Network of Conservation Educators and Practitioners: Open Educational Resources on Water-Related Issues and Stakeholder Engagement.
Time and date	19:00 - 21:00 - March 20th
Room	Classroom 2 (30 people)
Convening Organization	American Museum of Natural History, Center for Biodiversity and Conservation
Contact person	Erin Vintinner
Type of instruction	Demonstration and Practical Exercise
Relevance to the 5th World Water Forum	This learning centre course will closely linked with Theme 6: Education, Knowledge and Capacity Development.
Brief description	This learning center course will use open educational resources developed by the American Museum of Natural History's Network of Conservation Educators and Practitioners (http://ncep.amnh.org/) to train professionals and educators on issues related to water and stakeholder engagement. The following resources will be featured: "Exploring the Colorado River Basin: An Interactive Water Management Exercise", "Thirsty Metropolis: A Case Study of New York City's Drinking Water", and "Marine Reserves and Local Fishing: An Interactive Exercise." Participants will explore decision support models and case studies and learn how to use these resources to conduct their own training sessions on water-related issues.
Target Audience	Professionals and educators interested in training on issues related to water and stakeholder engagement.
Instructors and Affiliated Organizations	Erin Vintinner
Additional information/comments	
Region	Americas



Title of the Training	How to date groundwater samples?
Time and date	08:30 - 13:00 - March 18th
Room	Classroom 2 (30 people)
Convening Organization	Shahrood University of Technology
Contact person	Gholam Abbas Kazemi
Type of instruction	Lecture
Relevance to the 5th World Water Forum	3.4 Managing and Protecting Surface, Ground, Soil and Rainwater
Brief description	This course simply and clearly describes various techniques which are in use to determine the age of groundwater samples. For the management of groundwater resources, knowing the age of groundwater is a very valuable piece of information which is of sound scientific basis. About 20 various methods will be explained for dating groundwaters whose ages range from a few to a few millions years.
Target Audience	Water resources Authorities, graduate students in the field of Earth Sciences and groundwater management
Instructors and Affiliated Organizations	Gholam Abbas Kazemi
Additional information/comments	
Region	Asia-Pacific

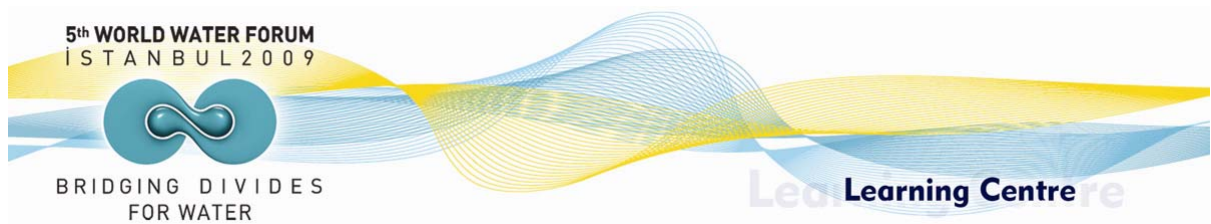


Title of the Training	How to use remote sensing technologies (satellite and radar) for environmental applications, especially for severe weather and flood potential risk.
Time and date	14:30 - 19:00 - March 20th
Room	Classroom 5 (30 people)
Convening Organization	Turkish State Meteorological Service
Contact person	Ali Umran Komuscu (Turkish State Meteorological Service)
Type of instruction	Demonstration-Case Study
Relevance to the 5th World Water Forum	Topic 1.3 Managing Disasters
Brief description	<p>How to use remote sensing technologies (satellite and radar) for environmental applications, especially for severe weather and flood potential risk. The demonstration will try to address the question of how such technologies can aid to determine flood risk areas with respect to meteorological conditions. Their potential use will be demonstrated by case studies.</p> <p>During the demonstration, use of satellite and radar technologies in identification of severe weather situation leading to flood hazards. An application of MSG Seviri, NOAA, and NWCSAF PPS data and products will be presented to show how such technologies can be beneficial to water-related hazards. A case study of Kocaeli and Istanbul Floods which occurred in 2007 and 2006 will be presented.</p>
Target Audience	Policy makers, local authorities, institutions, academicians
Instructors and Affiliated Organizations	Ali Umran Komuscu (Turkish State Meteorological Service)
Additional information/comments	
Region	Turkey and surrounding countries

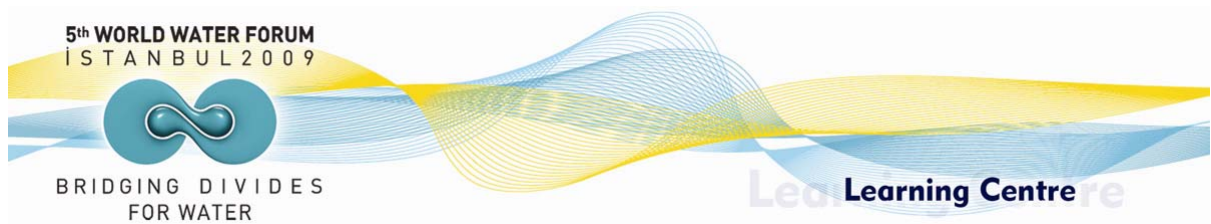


Title of the Training	Institutional Capacity Development. How to develop a training institute for professionals by professionals for the water sector?
Time and date	08:30 - 13:00 - March 19th
Room	Classroom 5 (30 people)
Convening Organization	SWO (Training Centre for water management)
Contact person	G.M.L. Wijffels
Type of instruction	Lecture
Relevance to the 5th World Water Forum	Theme 6: Education, Knowledge and Capacity Development
Brief description	A hands on workshop in which participants gain a first design for a training institute in their country. Via a step by step approach, the use of a checklist with do's and don'ts and intervision by colleagues, participants will work on a first design of a trainings institute that is appropriate to the situation in their country.
Target Audience	Policy makers, government ministries, local authorities, members of professional associations and networks and professionals of the water sector.
Instructors and Affiliated Organizations	G.M.L. Wijffels
Additional information/comments	
Region	Europe

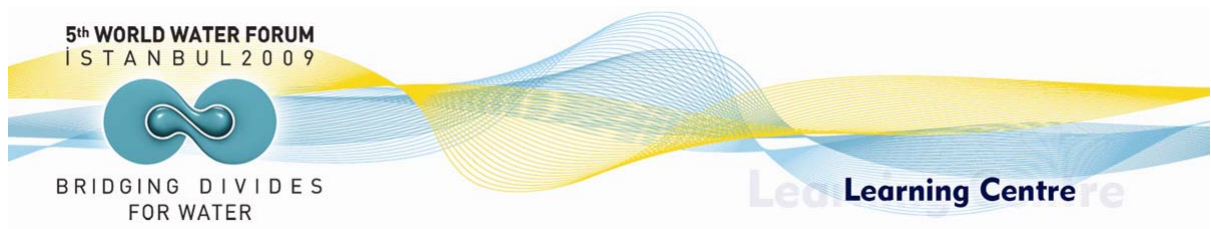
Title of the Training	How to Understand "Water's Own Voice": Practical Steps in Knowing Water's Intrinsic Nature
Time and date	08:30 - 13:00 - March 21st
Room	Classroom 1 (50 people)
Convening Organization	Water Research Institute of Blue Hill
Contact person	Jennifer Greene
Type of instruction	Instruction will be conducted through lecture/demonstration/practical exercises with handouts. There will be "how to" descriptions for water education programs for multicultural venues.
Relevance to the 5th World Water Forum	"Experiencing knowledge" leads to a wisdom-filled education and develops capacity building; this gives a deep foundation for water management that is human-based and environmentally sound. Observing and understanding water phenomena builds an objective bridge where Indigenous Cultures and western science can meet by understanding water's mediating relationships, which give a platform for comprehending and linking cultural/philosophical/religious thought, human /environmental rights and economic disparities. The intrinsic nature of water itself becomes a bridge.
Brief description	Water's intrinsic qualities such as openness, flexibility and tolerance, its capacities for forming, movement, change and integration, affect its fluidity and ability to sustain life. These tend not to be measured nor interpreted by fluid dynamics; therefore, understanding these qualities can make a difference in how we conceptualize water, improve and coalesce stakeholders to encourage holistic management practices, thus increasing the probability of success of keeping our earth as a place for life. By studying water phenomena through simple fluid dynamic experiments, participants will develop observational and water interpretive/education skills through strategic questioning, which will transform the way they look at and know water as a natural bridge builder. Foremost, this bridge buiding process is one of consciousness; of reading "the story" phenomena tells, and finding the language that describes this both scientiifically and metaphorically.
Target Audience	The Learning Centre course will be for water professionals, educators, activists, policy makers, NGOs and local authoritiesand for all who are interested in deepening their consciousness of water by knowing it directly.
Instructors and Affiliated Organizations	Darlene Sanderson; Jennifer Greene
Additional information/comments	
Region	Americas



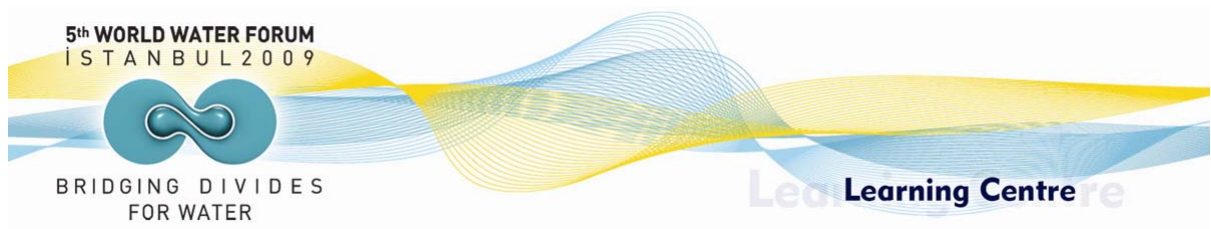
Title of the Training	How to provide an exciting hands-on activity on water resources education to students and educators. Experiences that can be utilized in or out of the classroom.
Time and date	08:30 - 13:00 - March 17th
Room	Classroom 3 (30 people)
Convening Organization	Project Wet International Foundation
Contact person	John Etgen (Project WET Foundation - Water Education for Teachers)
Type of instruction	Demonstration/presentation of water education activity
Relevance to the 5th World Water Forum	Relevant to Topic 6.1.4. Schools and Children: Building Bridges to the Future through Education about Water
Brief description	Participants will experience a hands-on activity and learn through experience how to model this activity with a group of students or community leaders. A copy of this activity will be made available to the participants.
Target Audience	This material will be appreciated by anyone who is interested in water resources; educators, community leaders, water resource managers, home school teachers, and parents.
Instructors and Affiliated Organizations	John Etgen (Project WET Foundation - Water Education for Teachers)
Additional information/comments	
Region	Americas



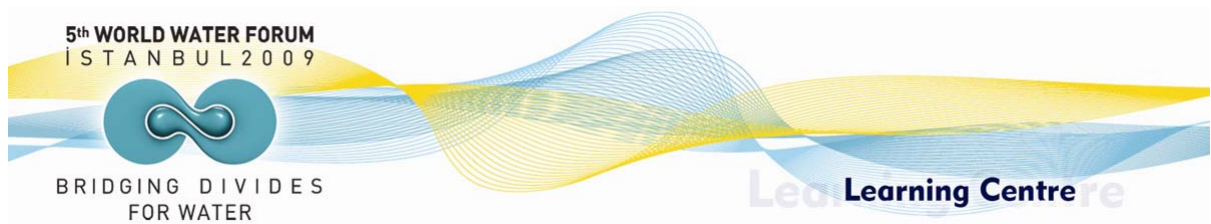
Title of the Training	How to present an exciting hands-on activity on water resource education to students and educators. Experiences that can be utilized in or out of the classroom. Popular activities being used by Project WET USA Coordinators.
Time and date	14:30 - 19:00 - March 17th
Room	Classroom 3 (30 people)
Convening Organization	Project Wet International Foundation
Contact person	Lauria Lyle
Type of instruction	Demonstration/presentation of water education activity with current pedagogical applications.
Relevance to the 5th World Water Forum	Relevant to 6.1.4 Schools and Children: Building Bridges to the Future through Education about Water.
Brief description	Participants will experience a hands-on activity and learn through experience how to model this activity with a group of students or community leaders. A copy of this activity will be made available to the participants and may be available in Turkish.
Target Audience	This material will be appreciated by anyone who is interested in water resources; educators, community leaders, water resource managers, home school teachers, parents.
Instructors and Affiliated Organizations	Lauria Lyle
Additional information/comments	
Region	Americas



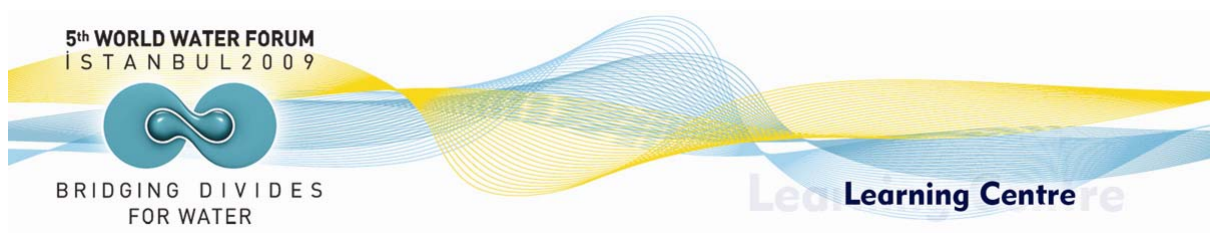
Title of the Training	How to present an exciting hands-on activity regarding hydration. This is a new activity slated to become part of the new Project WET Curricullum and Activity Guide. Take part in the review, practice and evaluation of this new activity.
Time and date	08:30 - 13:00 - March 18th
Room	Classroom 3 (30 people)
Convening Organization	Project Wet International Foundation
Contact person	Sandra DeYonge
Type of instruction	Demonstration/presentation of a brand new water education activity on "Hydration".
Relevance to the 5th World Water Forum	Relevant to 6.1.4 Schools and Children: Building Bridges to the Future through Education about Water.
Brief description	Participants will experience a hands-on activity and learn through experience how to model this activity with a group of students or community leaders.
Target Audience	This material will be appreciated by anyone who is interested in water resources; educators, community leaders, water resource managers, home school teachers, parents.
Instructors and Affiliated Organizations	Sandra DeYonge
Additional information/comments	
Region	Americas



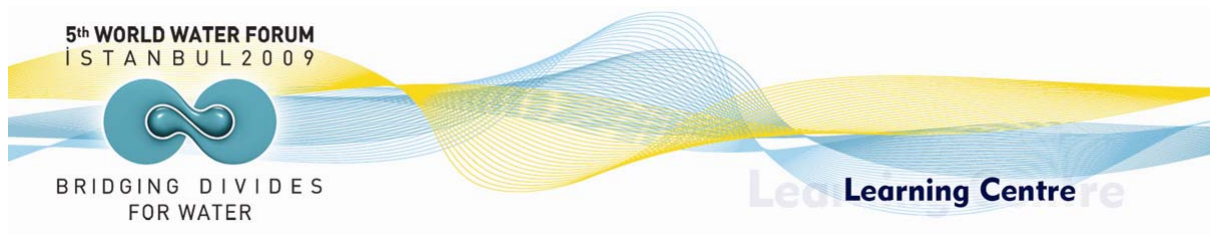
Title of the Training	How to present an exciting hands-on activity developed to increase consciousness about and an understanding of the importance of water quality and water conservation.
Time and date	08:30 - 13:00 - March 18th
Room	Classroom 5 (30 people)
Convening Organization	Project Wet International Foundation
Contact person	Marcene Seavey
Type of instruction	Demonstration/presentation of a water resources education activity dealing with water quality and water conservation.
Relevance to the 5th World Water Forum	Relevant to 6.1.4 Schools and Children: Building Bridges to the Future through Education about Water.
Brief description	Participants will experience a hands-on activity and learn through experience how to model this activity with a group of students or community leaders. Each participant may receive a copy of this activity.
Target Audience	This material will be appreciated by anyone who is interested in water resources; educators, community leaders, water resource managers, home school teachers, parents.
Instructors and Affiliated Organizations	Marcene Seavey
Additional information/comments	
Region	Americas



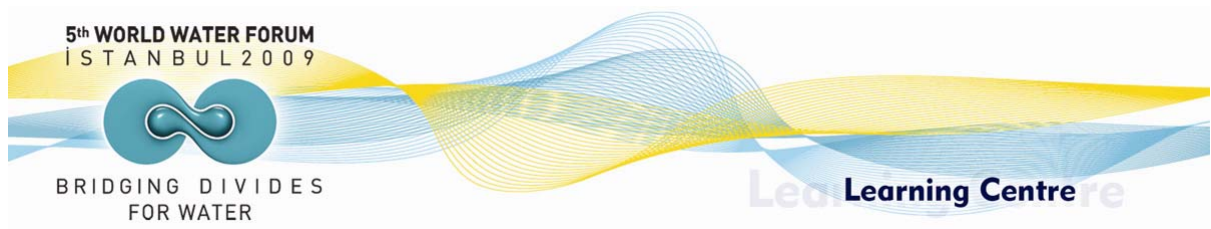
Title of the Training	How to present an exciting hands-on activity based on water health and sanitation. This is a new activity and is part of Project WET's Africa Education Initiative.
Time and date	08:30 - 13:00 - March 20th
Room	Classroom 4 (30 people)
Convening Organization	Project Wet International Foundation
Contact person	Teddy Tindamanyire
Type of instruction	Demonstration/presentation of a brand new water education activity on Healthy Water, Healthy Habits, Healthy People as published in the Educators Guide on Water, Health and Disease Prevention. Specific to Africa.
Relevance to the 5th World Water Forum	Relevant to 6.1.4 Schools and Children: Building Bridges to the Future through Education about Water.
Brief description	Participants will experience a hands-on activity and learn through experience how to model this activity with a group of students or community leaders. Each participant will receive a copy of this activity.
Target Audience	This material will be appreciated by anyone who is interested in water resources; educators, community leaders, water resource managers, home school teachers, parents.
Instructors and Affiliated Organizations	Teddy Tindamanyire
Additional information/comments	
Region	Africa



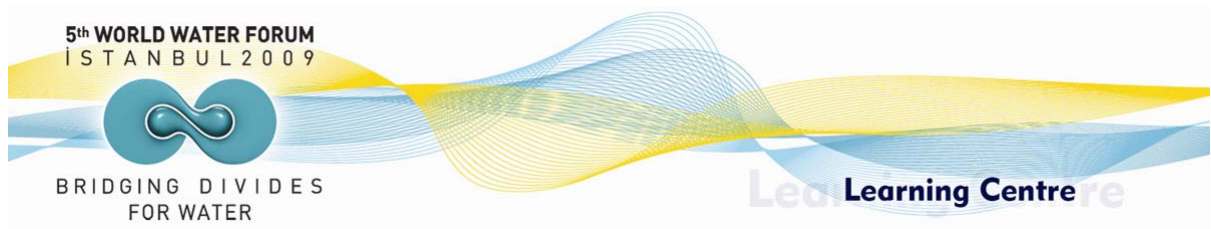
Title of the Training	How to present an exciting hands-on activity developed to increase consciousness about and an understanding of the importance of water resources specifically in Latin America and the Caribbean.
Time and date	08:30 - 13:00 - March 20th
Room	Classroom 5 (30 people)
Convening Organization	Project Wet International Foundation
Contact person	Vivian Vignaroli
Type of instruction	Demonstration/presentation of a brand new water education activity from the Agua y Educacion/Guia General para Docentes de las Americas y el Caribe. ..Water and Education, a General Guide for Teachers of Latin America and the Caribbean.
Relevance to the 5th World Water Forum	Relevant to 6.1.4 Schools and Children: Building Bridges to the Future through Education about Water.
Brief description	Participants will experience a hands-on activity and learn through experience how to model this activity with a group of students or community leaders. Each participant may receive a copy of this activity which is in both Spanish and English.
Target Audience	This material will be appreciated by anyone who is interested in water resources; educators, community leaders, water resource managers, home school teachers, parents.
Instructors and Affiliated Organizations	Vivian Vignaroli
Additional information/comments	
Region	Americas



Title of the Training	How to conduct a flood risk assessment
Time and date	08:30 - 11:00 - March 19th
Room	Classroom 1 (50 people)
Convening Organization	Tetra Tech, Inc.
Contact person	
Type of instruction	Demonstration
Relevance to the 5th World Water Forum	This demonstration could be linked to education, knowledge, and capacity building or risk management.
Brief description	An open source software solution has recently been developed by the World Bank for Yemen to help local officials assess the flood risk to the capital city, Sana'a. The software was developed to be transferrable to other countries interested in conducting risk assessments. This demonstration would show the data required, the methodology, and the outputs and applications. Tsunami and cyclone components will be added later this year.
Target Audience	Government ministries primarily.
Instructors and Affiliated Organizations	
Additional information/comments	
Region	Americas



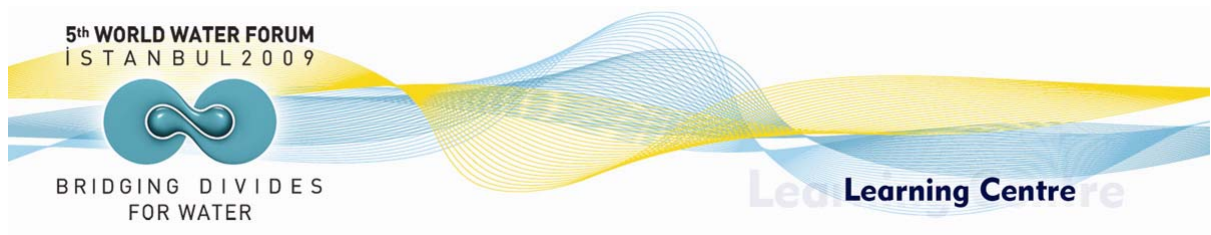
Title of the Training	Managing Rivers for Human and Environmental Needs - Track 1: environmental flows, ecosystem services and integrated planning (policy and management aspects)
Time and date	08:30 - 13:00 - March 18th
Room	Classroom 1 (50 people)
Convening Organization	The Nature Conservancy
Contact person	Jeff Opperman
Type of instruction	Lecture with practical exercise
Relevance to the 5th World Water Forum	Training session consistent with Theme 3: Managing and Protecting Water Resources and their Supply Systems to Meet Human and Environmental Needs
Brief description	Participants will learn about linkages between the flow regime and river processes, including defining environmental flows, the current methods and the range of tools for examining environmental flows. Participants will also learn about emerging strategies for integrating river protection with infrastructure planning and development. Although this can serve as a stand-alone course, this Learning Centre Session can also be taken in combination with a companion course - Managing Rivers for Human and Environmental Needs - Track 2 (technical aspects).
Target Audience	Policy makers, technical staff, government ministries, local authorities, NGOs.
Instructors and Affiliated Organizations	Jeff Opperman Christopher N. Dunn;
Additional information/comments	
Region	Americas



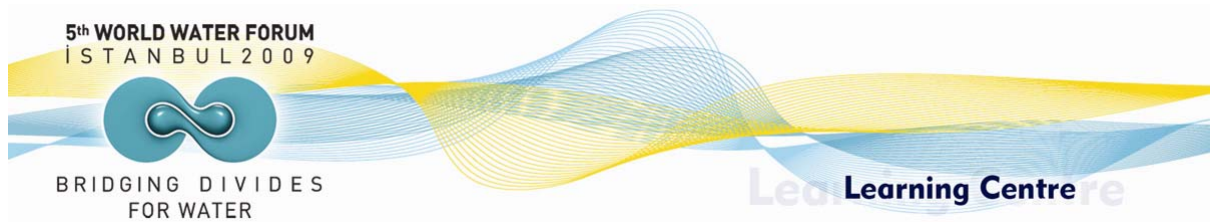
Title of the Training	Managing Rivers for Human and Environmental Needs - Track 2: environmental flows, ecosystem services and integrated planning (technical aspects)
Time and date	14:30 - 19:00 - March 18th
Room	Classroom 1 (50 people)
Convening Organization	U.S Army Corps of Engineers Civil Works
Contact person	Jeff Opperman
Type of instruction	Lecture with practical exercise
Relevance to the 5th World Water Forum	Training session consistent with Theme 3: Managing and Protecting Water Resources and their Supply Systems to Meet Human and Environmental Needs
Brief description	Participants will learn about linkages between the flow regime and river processes, including defining environmental flows, the current methods and the range of tools for examining environmental flows. Participants will conduct a hands on exercise for defining environmental flow requirements for different ecosystem components.
Target Audience	Policy makers, technical staff, government ministries, local authorities, NGOs
Instructors and Affiliated Organizations	Lisa Morales; Jeff Opperman; WARD STAUBITZ (U.S Geological Survey); Christopher N. Dunn
Additional information/comments	
Region	Americas

Title of the Training	Gender and Empowerment in Water, Sanitation and Waste Management: how to mainstream gender for empowerment of women and poor people, whilst making waste management efficient and sustainable.
Time and date	14:30 - 19:00 - March 17th
Room	Classroom 5 (30 people)
Convening Organization	Gender and Water Alliance
Contact person	Anamika Amani Anamika Amani
Type of instruction	Training and interactive lecturettes with practical excercises
Relevance to the 5th World Water Forum	The subject is directly related to Theme 2: Advancing Human Development and the MDGs, and within the theme to topic 2.1 Ensuring Water, Sanitation and Hygiene for All.
Brief description	Gender and empowerment will be explained in an inclusive way, applicable not only to relations between women and men, but also to minorities and vulnerable groups. The session will be interactive with participants contributing with their own opinion about gender. After this introduction, the framework will be applied to sanitation and waste management, to enable practitioners to mainstream gender in their implementing work, and to enable politicians to integrate social aspects in their documents.
Target Audience	Water, sanitation and waste managers; policy makers, local authorities, and other interested participants of the WWF5.
Instructors and Affiliated Organizations	Joke Muylwijk (Gender and Water Alliance); Chrisje VAN SCHOOT (Gender and Water Alliance); Margriet Reinders
Additional information/comments	
Region	Europe

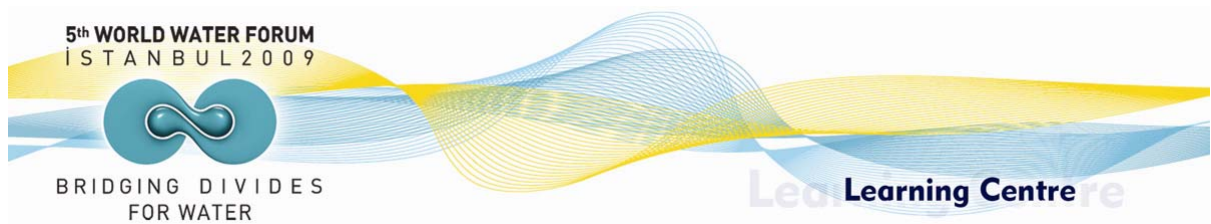
Title of the Training	"Integrated Urban Water Management: Addressing Governance Challenges" (training of trainers)
Time and date	14:30 - 19:00 - March 18th
Room	Classroom 1 (50 people)
Convening Organization	UNESCO-IHP - International Hydrological Programme - Intergovernmental Council Bureau
Contact person	Sarantuyaa Zandaryaa
Type of instruction	Training course (including lectures, case study presentation and an interactive discussion session)
Relevance to the 5th World Water Forum	THEME 4 - Governance and Management THEME 2 - Advancing Human Development and the MDGs
Brief description	<p>Education, training and awareness-raising have been identified as key elements in forging a worldwide strategy to prepare the cities for the challenges of the 21st century. With this in mind, the main training objectives aim to enhance knowledge and skills on integrated urban water management required for a paradigm shift in terms of improved urban water governance, which is fundamental in bringing about a positive change in the way water is used and managed in the cities.</p> <p>“How To” Skills Development:</p> <p>Skill 1: Participants will obtain knowledge on how to address urban water issues in an integrated and sustainable way, linking waterrelated issues with wider social, economic and institutional factors relating to urban water management.</p> <p>Skill 2: Participants will learn how to improve urban water governance through more effective institutional and economic approaches based on different types of decentralization and partnerships. Centralization versus decentralization solutions are analyzed in the context of socioeconomic conditions and urban planning and development.</p> <p>Skill 3: Participants will learn how to provide appropriate solutions to urban water problems by adopting innovative approaches such as demand management and replacing supply driven concepts by approaches to efficient water use, water saving, environmental sustainability, and integrated solutions.</p> <p>Finally, participants will gain insight into new directions in urban water management, as outlined in Paris-2007 Statement on urban water.</p>
Target Audience	Policy makers, local government authorities, urban water professionals, urban planners and managers, experts, researchers, trainers, civil society and major groups representatives.
Instructors and Affiliated Organizations	Sarantuyaa Zandaryaa
Additional information/comments	1. TRAINING COURSE PROGRAMME (tentative) Opening, Dr. Alberto Tejada-Guibert, Deputy-Secretary of UNESCO-IHP



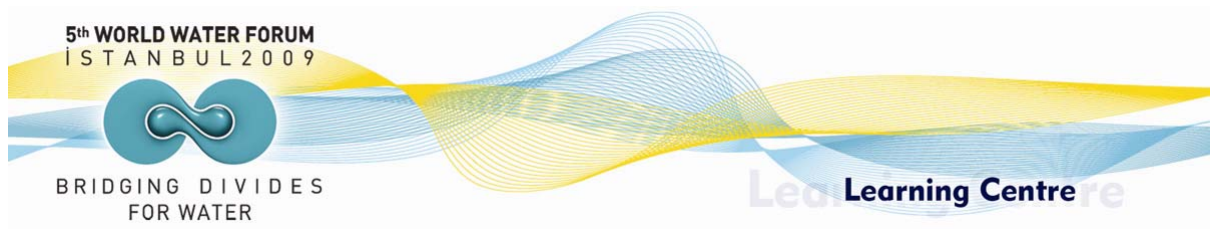
	<p>Lectures:</p> <ul style="list-style-type: none"> • Approaching urban water governance: Conceptual and theoretical introduction, Dr. Sarantuyaa Zandaryaa, UNESCO International Hydrological Programme • Urban water systems and services: Centralization vs. Decentralization Prof. Bernard Barraque, ENGREF-CIRED, AgroParisTech, France • Urban water demand management, Prof. David Butler, Centre for Water Systems, University of Exeter, UK • Urban water supply management Dr. Bhanu Neupane, UNESCO New Delhi Office <p>Demonstration(s):</p> <ul style="list-style-type: none"> • Presentation of a case study on urban water management <p>Interactive discussion session</p> <ul style="list-style-type: none"> • New directions in Urban water management (Paris-2007 Statement) • Group exercise <p>Conclusions and way forward</p> <ul style="list-style-type: none"> • Recommendations • Follow-up and next steps <p>Closing (evaluation questionnaires)</p> <p>2. A limited number of UNESCO-IHP publications (books, technical reports and documents) on urban water will be distributed free of charge.</p>
Region	Europe



Title of the Training	The Layer Cake Approach to Water Infrastructure Finance: From Revolving Funds to Community-Based Water Systems
Time and date	14:30 - 19:00 - March 19th
Room	Classroom 2 (30 people)
Convening Organization	U.S. Agency for International Development
Contact person	Anthony Vaganos
Type of instruction	Case Study and Interactive Discussion with Panel of speakers from Multilaterals, Bilaterals, and the private sector
Relevance to the 5th World Water Forum	Relates directly to Theme 5: Finance
Brief description	The learning center will present two case studies of financing water infrastructure that involve a "layer cake" approach. Presentations will be followed by a panel discussion including those that implemented the case study projects. The layer cake approach involves seeking multiple sources of funds such as grants, concessionary loans, commercial loans, and credit enhancements. The objective of the learning center is for participants to understand how to attract sustainable financing that is affordable to end-users by optimizing a mix of financing sources for water infrastructure.
Target Audience	Multilateral Agencies, Local Authorities, NGOs, Bilateral Agencies, Development Finance Institution, Policy Makers, and Government Ministries
Instructors and Affiliated Organizations	Anthony Vaganos
Additional information/comments	USAID has conducted similar learning centers and side events at past World Water Forums as well as at the Commission for Sustainable Development. All of these events have been heavily attended and met with great praise. We are very excited about the topic this year and plan to bring in dynamic speakers to go over this approach to financing water.
Region	Americas

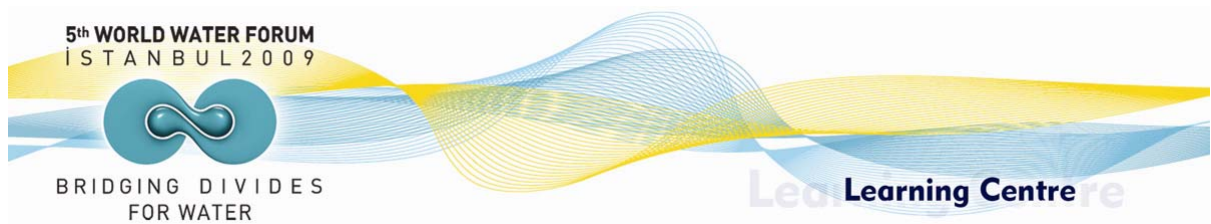


Title of the Training	Gender and Climate Change: Practical Tools for Addressing the Human Dimension of Disasters and Adaptation
Time and date	08:30 - 13:00 - March 19th
Room	Classroom 4 (30 people)
Convening Organization	Global Gender and Climate Alliance
Contact person	Rebecca Pearl
Type of instruction	Lecture and practical exercises
Relevance to the 5th World Water Forum	Theme 1: Global Changes and Risk Management.
Brief description	This workshop is modeled on a successful training of government delegates to the UNFCCC during the UN Climate Change Conference in Poland. Participants will learn methods for bringing a human and gender dimension to each of the major areas of climate change, including adaptation, mitigation, technology, and finance, as well as tools that are applicable to global negotiations, national programs, or local projects. A multi-media and interactive approach is used that allows for participants to actively participate and explore how to apply the new skills to their own context. Special emphasis will be given to the linkages between gender, water, and climate change.
Target Audience	Policy makers, government delegates, local authorities, NGOs, media
Instructors and Affiliated Organizations	Sara Ahmed; Rebecca Pearl; Lorena Aguilar
Additional information/comments	
Region	Americas

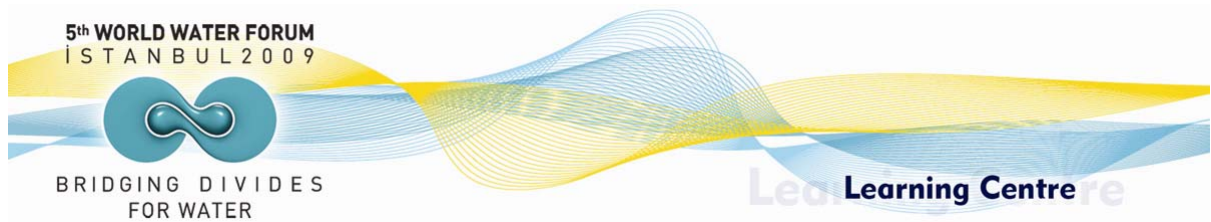


Title of the Training	How to institutionalize 'best' water management practices?
Time and date	08:30 - 13:00 - March 19th
Room	Classroom 3 (30 people)
Convening Organization	Radboud University Nijmegen The Netherlands
Contact person	Frans Padt
Type of instruction	Discussion of preselected casestudies.
Relevance to the 5th World Water Forum	Theme 4: Governance and Management.
Brief description	In order to make water management more effective, water management practices that work well at local levels need to be institutionalized at larger space and time scales. There is no standard game plan on this. Institutionalization is highly contingent upon regulatory frameworks, organizational capacities, engagement of civil society and prevailing discourses in society. Participants will learn how to define effective institutionalization strategies for their particular situation that anticipate these contingent factors. The instruction is theoretically and empirically informed.
Target Audience	River basin coordinators and local leaders.
Instructors and Affiliated Organizations	Frans Padt
Additional information/comments	This course is based upon consultancy done for the IUCN Water and Nature Initiative in 2008.
Region	Europe

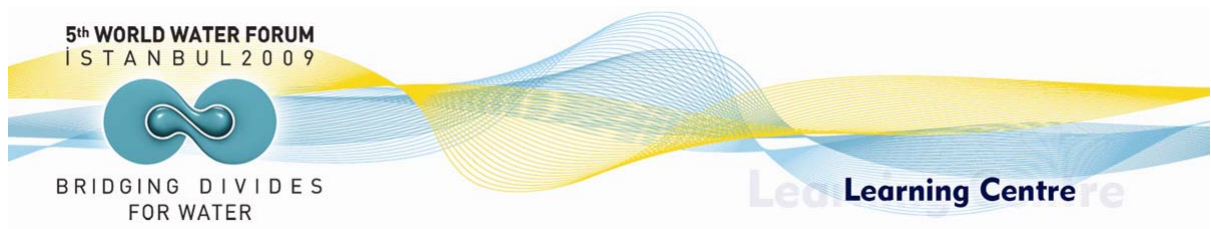
Title of the Training	The SWITCH Training Kit: Increasing awareness on the need for an integrated approach to urban water management as a response to global changes
Time and date	08:30 - 11:00 - March 21st
Room	Classroom 3 (30 people)
Convening Organization	ICLEI - Local governments for sustainability
Contact person	Barbara Anton (n/a)
Type of instruction	Training-of-trainers
Relevance to the 5th World Water Forum	Particularly relevant for Theme 1 and 6, but also for all other themes.
Brief description	The SWITCH Training Kit is the result of a global Learning Alliance of more than 30 universities, capacity-building organisations and local governments to develop an innovative approach to managing water in the City of the Future. The Training Kit has been developed for urban water practitioners and is suitable to make them aware about the practical implications of sustainability principles in urban water management. The participants of this session will be encouraged to take up these training materials, adapt them for their own training activities and integrate them into their own training curricula.
Target Audience	Representatives from capacity- building organisations specialising on the subject of sustainable water management and targeting local government employees and other urban water practitioners.
Instructors and Affiliated Organizations	Barbara Anton
Additional information/comments	This training session is an activity of the project SWITCH - Managing Water for the City of the Future, co-funded by DG Research, European Commission (www.switchurbanwater.eu). It is thus also linked to the session on the SWITCH approach and Integrated Urban Water Management in the main thematic programme that is led by Prof. Kala Vairavamoorthy. All announcements should include the SWITCH and the European Commission logo which we will provide once the session has been approved.
Region	Europe



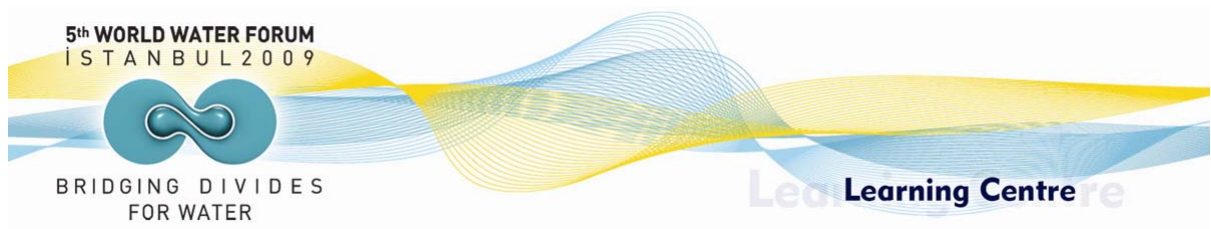
Title of the Training	Session 1: How to create and manage a project website using the freelyavailable IW:LEARN Toolkit
Time and date	14:30 - 19:00 - March 19th
Room	Classroom 4 (30 people)
Convening Organization	GEF International Waters Learning Exchange and Resource Network
Contact person	Richard Cooper
Type of instruction	Practical exercise
Relevance to the 5th World Water Forum	Theme 6 Education, Knowledge and Capacity Development
Brief description	The purpose of this course is to provide training for creating and managing a project website using the freely available IW:LEARN Toolkit. The Toolkit is based on the popular opensource Plone content managemetn system. In addition, related ICT subjects such as GIS and content syndication will be discussed. All participants will need to bring their own wifienabled computer.
Target Audience	The course is open to GEF IW projects and partners, and appropriate for information specialists, IT managers and project members who are responsible for developing and maintaining a website.
Instructors and Affiliated Organizations	Richard Cooper
Additional information/comments	Access to wifi internet is critical for all participants. All participants will need to bring their own wifi-enabled computer. A computer projector and screen are also needed.
Region	Asia-Pacific



Title of the Training	Session 2: How to create and manage a project website using the freelyavailable IW:LEARN Toolkit
Time and date	14:30 - 19:00 - March 20th
Room	Classroom 4 (30 people)
Convening Organization	GEF International Waters Learning Exchange and Resource Network
Contact person	Richard Cooper
Type of instruction	Practical exercise
Relevance to the 5th World Water Forum	Theme 6 Education, Knowledge and Capacity Development
Brief description	The purpose of this course is to provide training for creating and managing a project website using the freely available IW:LEARN Toolkit. The Toolkit is based on the popular opensource Plone content managemetn system. In addition, related ICT subjects such as GIS and content syndication will be discussed. All participants will need to bring their own wifienabled computer.
Target Audience	The course is open to GEF IW projects and partners, and appropriate for information specialists, IT managers and project members who are responsible for developing and maintaining a website.
Instructors and Affiliated Organizations	Richard Cooper
Additional information/comments	Access to wifi internet is critical for all participants. All participants will need to bring their own wifi-enabled computer. A computer projector and screen are also needed.
Region	Asia-Pacific

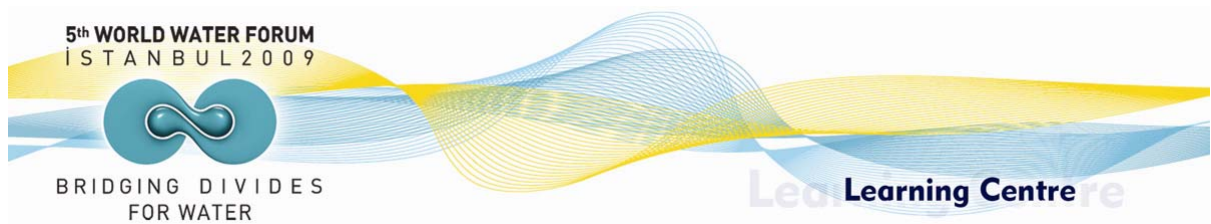


Title of the Training	How to encourage children to value water
Time and date	14:30 - 19:00 - March 18th
Room	Classroom 3 (30 people)
Convening Organization	Regional Environmental Center for Central and Eastern Europe (The REC)
Contact person	Pinar Akpınar
Type of instruction	Demonstration and practical exercise
Relevance to the 5th World Water Forum	6.1. Education, Knowledge and Capacity Development Strategies.
Brief description	The course will present an innovative approach towards educators and students developed and implemented by the REC in 14 countries from CEE, NIS and Turkey. The specific challenge before water will be presented in its global, European, local and personal context. The course emphasises on the formation of new values and the establishment of a new model of behaviour at school, at home and in society rather than simple accumulation of knowledge. It encourages students to take proactive approach to water challenges and asks them to share their newfound and skills with family members.
Target Audience	Educators, students, decision makers working in the field of education for sustainable development.
Instructors and Affiliated Organizations	Pinar Akpınar; Kliment Mindjov
Additional information/comments	
Region	Turkey and surrounding countries



Title of the Training	"Limitless" participation? How to deal with limits in participation in water management.
Time and date	08:30 - 13:00 - March 20th
Room	Classroom 3 (30 people)
Convening Organization	Deltares
Contact person	Bouke Ottow Bouke Ottow
Type of instruction	Lecture + practical exercise (workshop)
Relevance to the 5th World Water Forum	There is especially a clear link with theme 4 "Governance and management", topic 4.3 "Ethics, transparency, and empowerment of stakeholders" and topic 4.4 "Optimizing public and private roles in water services."
Brief description	Participants will get an overview of limitations of participation in water management of 5 different actor groups and also get an overview of possible ways to deal with them and then apply this overview on their own situations.
Target Audience	Organizers of and those responsible for participatory planning processes in water management and those interested in these. These might be staff of government agencies, local authorities or NGO's.
Instructors and Affiliated Organizations	Bouke Ottow Bouke Ottow
Additional information/comments	
Region	Europe

Title of the Training	How to establish a Transbordering Permanent Socio-Environmental Learning ProcessN
Time and date	19:00 - 21:00 - March 18th
Room	Classroom 1 (50 people)
Convening Organization	Center of Wisdom and Care for the La Plata Basin
Contact person	Marcelo Alves de Sousa
Type of instruction	Case study and Lecture
Relevance to the 5th World Water Forum	Theme 6: Education, Knowledge and Capacity Development
Brief description	<p>1-Environmental Education Methodology from the Permanent Learning Circles conceived in order to strengthen environmental education in the transbordering territories</p> <p>2-Case study of the Permanent Learning Circles methodology used in the program Cultivating Good Water in the Parana (Brazil) and Carapa (Paraguay) Basins, as a socio-environmental capacity matrix process which is being implemented in the La Plata Basin (Argentina, Bolivia, Brazil, Paraguay and Uruguay)</p> <p>3-Guidelines: water as the integration subject; the La Plata Basin as the operational territory; the environmental thought as the conceptual landmark of action; the environmental education as the social mobilizer; the collective building of knowledge, actions; and organization</p> <p>4-The Permanent Learning Circles are composed by representatives from government, civil society, university, media and traditional knowledge from the five La Plata Basin countries</p> <p>5-The Permanent Learning Circles network intends to prepare 4.500 educators in the La Plata Basin area by the end of 2011</p>
Target Audience	Public managers, NGOs, policy makers, environmental educators and journalists, academy
Instructors and Affiliated Organizations	Marcelo Alves de Sousa
Additional information/comments	
Region	Americas



Title of the Training	How to use a georef information system, based on free software, to have a diagnosis of the environmental quality at rural properties: the case of Parana River Basin.
Time and date	19:00 - 21:00 - March 20th
Room	Classroom 5 (30 people)
Convening Organization	International Hydroinformatics Centre
Contact person	Cicero Bley Jr.
Type of instruction	Lecture
Relevance to the 5th World Water Forum	3 - Managing and Protecting Water Resources and their Supply Systems to Meet Human and Environmental Needs
Brief description	The participants will learn from the experience of the International Hydroinformatics Centre (ICH), a UNESCO Category 2 water centre. ICH works with the development of management tools for the integrated management of river basin as well as with capacity building and communication. One of its main strategies is the use of a Multiple Purpose Cadastre as a basis for basin management, allowing for detailed information at the farm level and aggregating this information at various basin-level scales. This robust database allows policy makers and managers of water resources to have a detailed knowledge of the environmental, social and economical situation of the basin area. The audience will be exposed to this methodology as applied to the São Francisco Verdadeiro River basin, a HELP Basin located in Southern Brazil.
Target Audience	Policy Makers, local authorities, water resources managers, hydro power and water utilities technicians.
Instructors and Affiliated Organizations	Cicero Bley Jr.
Additional information/comments	
Region	Americas