



**European  
Water Resources Association  
(EWRA)**

EWRA Symposium on

**WATER RESOURCES  
MANAGEMENT:  
RISKS AND CHALLENGES  
FOR THE 21<sup>st</sup> CENTURY**

**2-4 September 2004  
Izmir, Turkey**

Organized by

**SUMER**  
Water Resources Management  
Research and Application Center  
Dokuz Eylul University  
Izmir, Turkey



## **SCOPE AND OBJECTIVES**

Proper management and protection of the world's water resources are recognized as prerequisites for sustainable development. This recognition has evolved through a series of international conferences, starting with the Mar del Plata Conference of 1977, the International Conference on Water and the Environment in Dublin in 1992, and the UN Conference on the Environment and Development (UNCED) in Rio in 1992. UNCED has resulted in Agenda 21, which is described as "an action plan for the 1990s and 21<sup>st</sup> century, elaborating strategies and integrated programme measures to halt and reverse the effects of environmental degradation and to promote environmentally sound and sustainable development in all countries". It was recognized in Agenda 21 that, due to rapid population growth, urbanization, industrial and agricultural development, water scarcity has become a significant problem in most parts of the world. The quality of surface waters, aquifers and coastal zones is continuously degrading throughout the world. There is significant concern over the slow rate of progress towards the sustainable use and development of water resources for health, food production, and income generation. Land resources reflect a similar situation; overuse or mis-use of these resources has resulted in land degradation, particularly in the form of deforestation and desertification. All these problems have gradually led to physical or ecological degradation of physical habitat for biodiversity. There are further environmental challenges due to ozone depletion and climate change, which affect various components in a number of interactive ways.

All the above problems have stemmed from unsustainable exploitation of living and nonliving resources, and the result is the alarming environmental crisis we live in today. Unfortunately, water resources lie at the core of this environmental crisis. At the beginning of the 21<sup>st</sup> century, water crisis still remains a major challenge the humankind has to face. International conferences such as the\*2nd World water Forum in The Hague in 2000, the International Conference on Freshwater in Bonn in 2001 the Rio+10 Summit in Johannesburg in 2002, and finally, the 3rd World water Forum in 2003 have delineated that the basic factor which underlies water crisis is the improper management of this resource. In recognition of this fact, the UN World Water Development Report of 2003 has identified 11 different challenges related to water resources, ranging from Basic Needs and the Right to Health to Governing Water Wisely for Sustainable Development.

The basic objective of the EWRA Symposium on "Water Resources Management: Risks and Challenges for the 21<sup>st</sup> Century" is to follow up on the assessment of water-related problems, provided by the UN World Water Development Report and to address the major challenges for the 21<sup>st</sup> century. In particular, the Symposium will focus on the preparations and arrangements for capacity building of the European countries to deal with the new challenges, risks and difficulties in water resources management.

## **SUBJECT**

The main themes of the Symposium cover the 11 major challenges identified in the UN World Water Development Report of 2003, namely:

- Basic Needs for Water and the Right to Health
- Protecting Ecosystems for People and the Earth
- Cities: Competing Needs in an Urban Environment

- Securing Food for a Growing World Population (related to agricultural uses of water)
- Promoting Cleaner Industry for Everyone's Benefit
- Developing Energy to Meet Development Needs
- Mitigating Risk and Coping with Uncertainty
- Sharing Water: Defining a Common Interest
- Recognizing and Valuing the Many Faces of water
- Ensuring the Knowledge Base
- Governing Water Wisely for Sustainable Development

## **VENUE**

The symposium will take place at the conference halls of Hilton Hotel, Izmir, Turkey.

## **PUBLICATION**

All accepted papers will be published and distributed to the participants during the Conference. A volume of selected papers will be published as a special volume in a scientific journal.

## **CALENDAR OF MAIN EVENTS**

November 1, 2003  
Issue of First Circular and call for abstracts

**December 31, 2003**  
**Deadline for submission of abstracts**

**February 27, 2004**  
**Notification of acceptance of abstracts**

March 1, 2004  
Issue of Second Circular

**July 1, 2004**  
**Deadline for submission of full papers**

July 1, 2004  
Issue of Third Circular

## **COST OF ATTENDANCE:**

The costs of attendance at the Conference are: 120 Euros for EWRA Members 150 Euros for Non-members There will be 20% discount for early registration by April 30, 2004.

## **ORGANIZED BY**

SUMER, Water Resources Management Research and Application Center Dokuz Eylul University, Izmir, Turkey <http://www.sumer.deu.edu.tr>

## **CONVENOR**

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## **SECRETARIAT**

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