

First Circular

*10th Inter-Regional Conference
on*
**WATER AND ENVIRONMENT
(ENVIROWAT 2007)**

Ensuring Water and Environment for Prosperity and Posterity



New Delhi, India

October 17-20, 2007

INDIAN AGRICULTURAL RESEARCH INSTITUTE
NEW DELHI, INDIA

Organized by

Indian Society of Water Management

In collaboration with

Indian Society of Agricultural Engineering and
International Commission on Agricultural Engineering



INTERNATIONAL ADVISORY COMMITTEE

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The ecological foundations, such as water, soil and biodiversity, essential for sustainable enhancement in productivity, are under a severe threat. Water is one such natural resource which influences all facets of human existence the most, but the ever increasing demands of fuel, feed, fodder and fibre to meet the spiralling demands of the escalating population are putting an enormous strain on this precious and finite resource in both irrigated and rainfed areas. Allocation of water to agriculture is facing a losing battle with the industrial, domestic, power and other sectors, as a consequence of which the share of water allocated to agriculture is expected to reduce by 10 to 15 per cent in the next two decades.

There is also a compulsion to intensify the agricultural production in an eco-friendly and sustainable manner with the added constraint of continuously declining per capita land and water availability in most developing countries. The already dismal situation is worsened further by the rapid rate of water pollution beyond unacceptable levels. Moreover, the impact of inefficient water management in many irrigated areas has resulted not only in large-scale water logging and secondary salinization, but also in significant productivity growth decline in recent years, and marked reduction in water use efficiency, while the conflicts arising from water shortages are increasing day by day. The quantity and quality of surface and ground waters are diminishing and deteriorating very rapidly. The adverse impact of expected climate change on precipitation, temperature and sea level rise as a consequence of global warming is no longer a theoretical conjecture and will further aggravate the precarious situation. Input costs are increasing, while farm productivity is decreasing. It is, therefore, imperative that any technology and policy for enhancing agricultural productivity must take into account the need for evolving programmes for efficient water management without a detrimental impact on the environment.

Considering the above emerging scenarios, the decade starting from 2005 has been declared as Decade of *Water for Life* by UN at the global level. This has, therefore, prompted the Indian Society of Water Management to organize the 10th Inter-Regional Conference on Water and Environment with the focus on a very relevant and important theme "Ensuring water and environment for prosperity

and posterity" in collaboration with the *International Commission of Agricultural Engineering*, Tsukuba, Japan and *Indian Society of Agricultural Engineering*, New Delhi. The Conference will provide a forum for university teachers, students, scientists, engineers, economists, planners and decision makers to meet together on one platform, exchange views and experiences on the state of art relating to various technologies in the field of water management and environmental protection and come out with a set of salient recommendations encompassing sound strategies for R & D programmes.

(A.K. Singh)

OBJECTIVES

The objectives of the international conference are to have in-depth deliberations on the state of art technologies on irrigated and rainfed water management, use of poor quality and waste waters in agriculture, pressurized irrigation systems, application of modern tools such as Remote Sensing, GIS for water resource management, integrated watershed management, participatory irrigation management, role of public/private institutions and ecological as well as economic aspects of water management. Eminent scientists, engineers and policy makers will be invited to deliver Special Lectures during the Symposium. In addition, there will be contributory oral and poster presentations on different themes.

CONFERENCE VENUE AND DATES

The 10th Inter-Regional Conference will be held at NASC Conference Hall/IARI Auditorium, New Delhi, India from 17-20 October 2007 at New Delhi, India.

GOAL

Ensuring Water and Environment for Prosperity
and Posterity.

CONFERENCE THEMES AND TOPICS

Water Quality and Quantity Concerns

- ◆ Status of Water Resources in Global, Asian and Indian context
- ◆ Assessment of surface and ground water resources
- ◆ Infrastructure for resource development
- ◆ Matching water demand and supply
- ◆ Water security and risk management
- ◆ Impact of climate change on water resources
- ◆ Interlinking of rivers

Water Quality and Environmental Safety

- ◆ Water quality criteria for various uses
- ◆ Waste Water Management
- ◆ Eco-system water requirement

Eco-friendly Water Management Technologies

- ◆ Indigenous traditional knowledge on water management
- ◆ Resource conservation technology including pressurized irrigation
- ◆ Water-nutrient interaction for enhancing crop productivity
- ◆ Precision farming
- ◆ Rainwater management
- ◆ Ground water management
- ◆ Conjunctive use
- ◆ Water management for maintaining coastal ecology
- ◆ Water management strategies for other sectors of economy

Non-agricultural and Multiple Uses of Water

- ◆ Domestic uses : – Urban – Rural
- ◆ Industrial uses
- ◆ Aquaculture
- ◆ Recreational uses
- ◆ Coastal ecology and water needs

Socio-Economic, Institutional and Policy Issues and their Implications

- ◆ Water shortage woes
- ◆ Water rights and pricing
- ◆ People's participation in water management
- ◆ Virtual water and its implication in import-export
- ◆ Capacity building for water governance

Land Use Planning for Managing Water Scarcity

- ◆ Water Scarcity Scenario at the Local, National, Regional and Global level
- ◆ Mitigating water scarcity impacts through appropriate farming system technologies for water stress areas
- ◆ Land use planning, tool and techniques, methodology for water stress areas
- ◆ Water management techniques for water scarce areas
- ◆ Crop management strategies for water scarce areas
- ◆ Cultural (Agronomic) practices for efficient utilization of available water resources

OFFICIAL LANGUAGE

English is the official language of the conference

DATES TO REMEMBER

Notice of Intent	March 31, 2007
Submission of Extended Summaries	March 31, 2007
Acceptance of Extended Summaries	April 30, 2007
Submission of full manuscripts	June 30, 2007
Registration fee without late fee	July 31, 2007
Registration with late fee	Open

The proceedings of the conference in print form containing accepted extended summaries would be provided to all the registered delegates. Full-length papers would be provided on a CD at the time of registration to all the delegates.

CALL FOR EXTENDED SUMMARIES

Extended Summaries of unpublished research/development related to one of the Symposium Themes are invited for presentation as oral / poster papers. Extended Summaries are to be submitted as an electronic copy in MS WORD, preferably accompanied by a set of hard copy (complete in all respects) in A4 size paper typed single space and not exceeding one page with 25 mm margins on all sides. The title (14 points / Arial) should be followed by the names of author / authors with the name of the person presenting underlined and their affiliation (12 point / Arial). Full text (10 point / Arial) of Extended Summary should follow the affiliation.

POSTERS

Each accepted Poster will be displayed on a 3' wide and 4' high poster board. Poster papers will be accepted on the basis of technical originality and significance of technical content. When submitting a poster, please indicate the symposium theme in which you would like to present your poster.

TOURS

Pre- and Post-Conference tours will be arranged for the registered delegates and accompanying persons in and around Delhi as well as for other places of interest on payment basis. The services of a Travel Agent would be available for these tours. Details would be included in the Second Circular.

REGISTRATION FEES

<i>Nature of participants</i>	<i>Indian delegates (Rs)</i>	<i>Foreign delegates (US \$)</i>
<i>Delegates (Before July 31, 2007)</i>	4000	300
<i>After July 31, 2007</i>	5000	400
<i>Students/ Research</i>		
<i>Scholars/Fellows (Before July 31, 2007)</i>	2500	150
<i>After July 31, 2007</i>	2500	200
<i>Accompanying persons</i>	1000	100

SECOND CIRCULAR AND OTHER INFORMATION

The Second Circular containing further information on programme, mode of submission of full length papers, reservation of accommodation, registration and pre- / post-conference tours will be sent only to those who send the Notice of Intent.

The information contained in this circular and all updates are available on the web <http://www.iswam.in/envirowat2007>

ABOUT DELHI

Delhi, the capital of India and Host City for the Commonwealth Games 2010, is one of the fastest expanding cosmopolitan cities in this part of the world. It represents a unique amalgamation of ancient history with modernity. The modern city of Delhi combines

magnificence of the relics of ancient (5000 year old) Hindu era, glory of Mogul Monuments and the grandeur of modern buildings and shopping centers. The varied cultural activities offer myriad experiences that speak of the unity in diversity of this country.

Besides the tourists' attractions at Delhi, the city is situated in close vicinity of a large number of tourist sites. At a short distance from Delhi, 200 km southeast is the famous city of Agra where Taj Mahal, one of the seven wonders of the world, is located. Arrangements will be made to take you to Agra. About 260 km southwest of Delhi is located the Pink City of Jaipur. The glory of the various Kings is beautifully reflected in the magnificence of its palaces. In the north of Delhi are the picturesque ranges of the Himalayas, including the Kashmir valley (Paradise on Earth), dreamland of the tourists.

The famous Tiger Reserve, the Corbett National Park is about 6 hours drive from Delhi. The park is located in the midst of the hills of Kumaon and provides a unique experience of Elephant Safari. For bird watchers, the Keola Deo Ghana Bird Sanctuary at Bharatpur is about 180 km from Delhi. The Sanctuary harbors the most exquisite birds from all over the globe. There are many other places of tourist interest, which might fascinate you. Our travel counter will be pleased to provide the information of your interest. Tours will be arranged subject to a minimum number of participants.

Delhi, the host city, is well connected by air, train and road. It is accessible from most world capitals and Indian cities.

WEATHER

Delhi experiences a pleasant weather during the last fortnight of October with temperatures around 25°C (maximum) and 15°C (minimum), Light woollens are recommended.

CURRENCY

The Rupee is the national currency of India. All the major international currencies can be exchanged at the International Airports, 5-Star Hotels and almost all Banks. Major currencies are

accepted at Hotels and some major shopping centres. International Credit Cards are widely accepted. The current conversion rate is Rs. 45 = 1 US\$ (Approximately).

ACCOMMODATION

A wide range of accommodation varying from 5-Star Hotels to Guest Houses will be available. The city has a large number of good hotels, which provide international comforts. Many of the hotels could be accessed through their websites, however, a list of few of them would be made available in the Second Circular. The tariffs at the current rates are in the range of US\$ 75 to US\$ 300 per day for single occupancy. Upward revision of about 20 to 30 per cent is likely by the time of the Conference. Limited accommodation would be made available to the delegates in various Guest Houses on the IARI Campus and hotels / guest houses in the vicinity of the IARI.

LETTER OF INVITATION

An official letter of invitation will be made available upon request for obtaining visa to attend the International Conference.

ADDRESS FOR CORRESPONDENCE

**Dr. A. K. Singh,
Organizing Secretary,**

10th Inter-Regional Conference on Water and Environment

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NATIONAL ORGANISING COMMITTEE

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2. Dr. N.K. Tyagi, Co-Chairman
3. Dr. J.S.P. Yadav
4. President, ISAE
5. Director General, National Water Development Agency*
6. Chairman, Central Water Commission*
7. Secretary, Ministry of Water Resources*
8. Dr. J.S. Samra
9. Dr. Ayyappan
10. Dr. S. A. Patil
11. Dr. M. Gopalakrishnan
12. Shri A. D. Joseph
13. Secretary, Ministry of Environment & Forests*
14. Chairman, Central Pollution Control Board*
15. Dr. P. S. Minhas
16. Dr. D. Datta
17. Dr. B. R. Sharma
18. Dr. C.D. Khoche
19. Dr. Gurbachan Singh
20. Dr. V. N. Sharda
21. Dr. K.M. Bujarbaruah
22. Dr. Alok Sikka
23. Dr. Pratap Narain
24. Dr. K.D. Sharma
25. Dr. Gajendra Singh*
26. Dr. Peter G. McCornick
27. Managing Director, UPLDC, Lucknow*
28. Dr. M.L. Chaudhry
29. Dr. N. B. Singh*
30. Dr. P.K. Joshi
31. Dr. Ashwani Kumar
32. Secretary, Department of Land Resources,
Ministry of Rural Development
33. Dr. A. K. Singh, Member Secretary

* Acceptance awaited

