

About Department of Water Resources Development & Management (WRD&M)

Department of Water Resources Development and Management (WRD&M), Indian Institute of Technology Roorkee (IITR) is a premier place for learning of international standing in post-graduate education, training and research in the discipline of water resources development and management. Since its creation in 1955 under the stewardship of ECAFE (now ESCAP) of the United Nations, the department has imparted post graduate education and training on water resources development and management to 2234 water resources professionals from 41 countries of Asia, Africa and Latin America. The department has creditably undertaken numerous national and international sponsored research and consultancy projects on hydraulic & hydrological modelling, remote sensing & GIS based studies for river basin geomorphology & flood-plain changes, stream bank protection & erosion control, flood estimation & management, hydro power development, irrigation water management, river engineering including inland navigation, planning & design of hydraulic structures for water resources management. Besides regular post-graduation programmes, the department has been conducting many short-term national and international training courses in different themes of water resources management for the purpose of capacity building of water resources professionals from India and abroad. The department has successfully completed major R&D projects on action research for effecting improvement in specific under-performing large irrigation systems in India under sponsorships from Ford Foundation, IWMI etc.

Registration Fee

The Registration fee for the Workshop will be Rs. 3000 per Indian delegates and US\$ 200 per foreign delegates. Registration fees for Indian students will be Rs. 1000/- only. The fee may be paid in the form of Demand Draft in favour of IWRM-2010 payable at Roorkee.

Date & Venue

The workshop will be held during December 14-16, 2010 in Delhi/Roorkee.

Call for Papers for Special Session

Papers from selected speakers on various themes will be invited from professionals in India and abroad. Also, abstract of papers of 100 words on the above session themes of the Workshop are invited latest by August 15, 2010 and the acceptance will be notified by September 15, 2010. The full length papers will be submitted by October 31, 2010. The abstract of the papers can be emailed to the Conference organizers at secretaryiwrs@gmail.com OR Nayanfwt@gmail.com.

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Er. R.D. Singh, NIH, Roorkee	Er. R.S. Ram, MoWR, New Delhi
Dr. Bhanu Neupane, UNESCO, India	Er. Ashok Kharya, CWC, New Delhi

Invited Keynote Speakers & Experts

Prof. Larry J. Weber, USA
Prof. Douglas Schnoebelem, USA
Prof. A. Jacob Odgaard, USA
Prof. Wolfgang Albert Flugel, Germany
Prof. Walter Hans Graf, Switzerland
Prof. Nayan Sharma, India
Two experts from US Army Corps of Engineers, USA

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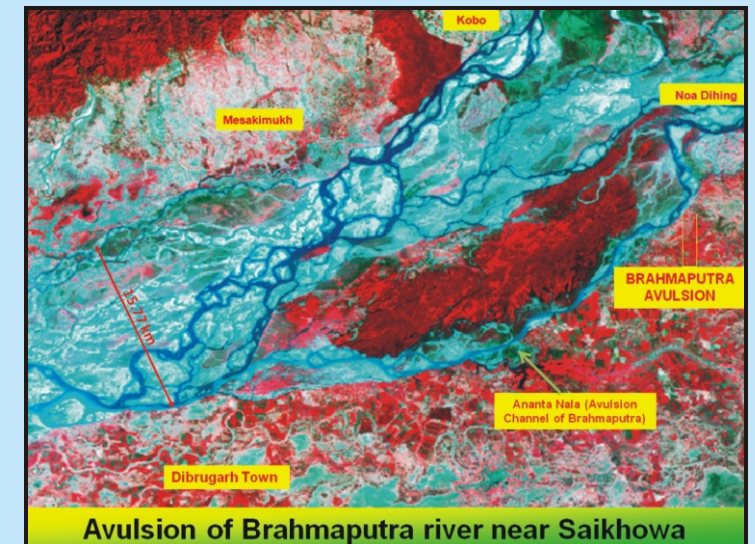
First Announcement

INTERNATIONAL WORKSHOP

ON

RIVER MANAGEMENT (IWRM-2010)

Roorkee, India
December 14-16, 2010



Avulsion of Brahmaputra river near Saikhowa

Organized by



Indian Water Resources Society (IWRS)

Roorkee 247 667, India

and

Department of Water Resources Development
and Management

Indian Institute of Technology Roorkee

Roorkee - 247 667, India

MAY 2010

Background

River management is a big challenge of the 21st century for the scientific community associated with water resources. River basins are complex systems. They are open systems with sometimes ill-defined boundaries. It refers to various aspects essential to achieve a sustainable development of river basins, including water demand and river management. Rivers may have shared delta, watershed limits in flatland areas are either vague or man-made (and alterable), and watershed limits often do not correspond exactly with aquifer limits. On top of this, river basins interact continuously with the atmosphere (precipitation and evaporation, airborne pollution) and the receiving waters (seas and sometimes lakes). Furthermore, the uses made of river basins often transcend river basin boundaries (eg. Inter-basin water transfers). Rivers are important as they fulfill many important functions, such as water supply for households, industry and agriculture, navigation, fishing, recreation, and 'living space'. Economic and social development and even life itself cannot be sustained without sufficient water at the right time and place and of right quality. Integrated river management is about all these things. It is much broader than traditional water management and includes significant parts of land-use planning, agricultural policy and erosion control, environmental management and other policy areas. It covers all human activities that use or affect freshwater systems. In brief, integrated river basin management is the management of water systems as part of the broader natural environment and in relation to their socio-economic environment. The problem has further been compounded by deforestation in catchment areas, siltation of rivers, diversion of water for irrigation and construction of cross structures such as bridges. India is largely lagging behind in river management. Many rivers like Brahmaputra, Ganga, Gandak, Koshi, etc. are facing problems of river course shifting, excessive bank erosion, excessive sediment load etc. These problems are the major concerns in India for maintaining essential ecological system, water needs, flows to deal with water scarcity during drought. The problems faced in river management are further complicated by the rigours of climate change phenomenon which is yet to be properly Understood.

This workshop is proposed to advance the profession of river management by providing managers, researchers, educators and others with a forum for sharing information about the appropriate use and management of river resources and developing expertise in all aspects of river management and stewardship including an ecosystem approach to recreation, water quality, riparian health, and watershed management.

Workshop Themes

This International workshop will provide a platform to the experienced and related expert professionals for intensive and threadbare deliberations to explore possible solutions to the vexed problem of stream flow management, channel improvement, sustainability of river eco-system & IWRM and inland water ways. The focuses of the workshop are as follows:

- Importance and challenges in river Management and channel improvement techniques in the backdrop of climate change.
- Canalization, flood control and erosion control.
- River morphology changes of large braided alluvial rivers
- Environmental friendly river management & sustainable development of ecosystem.
- Relevant Case Studies

After detailed deliberations on the issues listed above, it is proposed to hold an exclusive session which will be devoted to open Discussion and Documentation of Recommendation.

Workshop Sessions

Apart from Inaugural and Valedictory Sessions, the Technical Sessions & One Open discussion and Documentation Session will be arranged. The Key Note and Invited Speakers from abroad and India will present their valuable experience. The delegates will have enough opportunities for interaction during floor discussion and open discussion. All the accepted papers will be published in the proceedings of the workshop. The workshop papers will be peer reviewed and published in IWRS Journal. The detailed programme of the Inaugural, Technical and Valedictory Sessions will be published in the Final Announcement brochure which will be available to all the delegates well in advance.

About IIT Roorkee

The Indian Institute of Technology is the successor of the University of Roorkee and is the oldest technical institution of the country established as the Roorkee College in 1847 and rechristened as the Thomason College of Civil Engineering in 1857. It was elevated to the first Technical University of Independent India on November 25, 1949. In the year 2001, it was declared as the Institute of national importance and converted into the Indian Institute of Technology Roorkee on September 21, 2001.

About Indian Water Resources Society (IWRS)

Indian Water Resources Society (IWRS) was founded in 1980 as a society registered under the Societies Registration Act. IWRS Registered office is located in the Department of Water Resources Development & Management, IIT Roorkee. In addition, IWRS has local centers in most of the major cities. Subject to approval by the executive committee, membership of IWRS is open to any person who is interested in water sector. Presently, IWRS has about 7250 life members; 262 fellow members; and 22 institutional members,

The main objective of IWRS is advancement of knowledge in technical and policy aspects of water resources development and management. IWRS serves as a platform for free and frank discussions amongst those concerned with water related issues.

INTERNATIONAL WORKSHOP

ON

RIVER MANAGEMENT (IWRM-2010)

Roorkee, India
December 14-16, 2010

Name of the Candidate (Capital Letters):

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Address:

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Fax

Phone : (R)(O).....

(with STD Code)

Email :.....

Qualification :.....

Present Position :.....

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Relevant Experience:.....

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Details of Bank Draft :

Draft NoDt.

Drawn onfor Rs.

Date : Signature

(This form can be Xeroxed for more participation)