



# News Update

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INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

Established 1950

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*From Secretary General's Desk...*

Dear Friends,

We are at the threshold of World Water Forum 5. I am pleased to note the likelihood of a sizeable number of our ICID fraternity playing important roles this time in World Water Forum 5 (WWF5) in many themes and associated topics. But the crucial one is the theme addressing MDG and more precisely, Topic 2.3 on meeting the future food requirements ensuring adequate water for the purpose.

During his visit to India last week, President Chandra Madramootoo and I could discuss our role in different sessions during the forum week. A comprehensive coverage of them in a matrix form is seen elsewhere in the News Update and we are arranging fliers for distribution of this leaflet in the forum to drive home our significant role in water sector. Over 50 experts in our ICID fraternity have informed about their plans to join the World Water Forum 5 in Istanbul.

Our Journal has been our voice to the world; keeping in line, PH Bart Schultz has planned to bring out a Special Issue on "Water for Food and Poverty Alleviation" befitting the focus assigned for the topic during the forthcoming Forum. The Sessions on Topic 2.3 are slotted on 18 and 19 March; the outcome would be getting reflected in the Theme 2 discussions on MDG on 21 March where President Madramootoo would join the Thematic Wrap-up Session panel. The special Journal Issue (in fliers) would be available for distribution.

Not far off, the 23<sup>rd</sup> European Regional Conference is coming up in Lviv, Ukraine in May. Our colleagues in the Nigerian National Committee are busy organizing the 3<sup>rd</sup> African Regional Conference in Abuja scheduled in October. The 5<sup>th</sup> Asian Regional Conference coinciding with IEC meetings in December 2009 in New Delhi has attracted a large groups to explore special sessions. I am sure that the National Committees have received their hard copies of the Bulletin announcing the preliminary schedule. Please ask for copies from INCID if you need them or ask Central Office who can arrange them dispatched. The year 2009 is studded with more activities; I am sure that you would be in a position to join in more than one, as each one has its unique contribution to make towards our mission.

Best regards,

(M. Gopalakrishnan)  
Secretary General

## President's visit to India

President Chandra Madramootoo who was on a brief mission to India to attend ICRIASAT Governing Council Meeting held discussions with Secretary General (Hyderabad – 9 March 2009)



## President's visit to Morocco

Prof. Dr. Chandra A. Madramootoo (Canada), President of ICID visited Rabat in Morocco on 24 February 2009 to celebrate the 40<sup>th</sup> Anniversary of Moroccan National Committee of ICID (ANAFIDE). On the occasion, Prof. Madramootoo congratulated ANAFIDE for its active role in ICID and delivered a keynote on 'Solutions to the global food crisis' in the plenary session of the 'Academie des sciences'. President emphasized the importance of irrigation in overcoming the current global food crisis and highlighted some recent innovations in irrigation and drainage sector in Canada.

H.E. Hon'ble Minister of Agriculture Abdelaziz Akhannouch of Morocco covered Morocco's plan 'Vert' during the opening ceremony and Vice President Hon. Mohammed Ait Kadi spoke on the plans on the anvil to combat the 'Food crisis' in Morocco.

President Madramootoo took the opportunity and encouraged ANAFIDE members to resume their highly active role in the ICID Working Groups.

Morocco has been an active National Committee of ICID since 1959. It has provided one President and two Vice Presidents in the past. We felicitate ANAFIDE on its great achievements.

## INCID (India)

### Invitation for 60<sup>th</sup> IEC and 5<sup>th</sup> ARC

On the eve of the 60<sup>th</sup> year of ICID foundation, its Diamond Jubilee year, Indian National Committee on Irrigation and Drainage (INCID) takes pride to announce that India has the privilege to host the 60<sup>th</sup> IEC of ICID together with the 5<sup>th</sup> Asian Regional Conference.



The Indian National Committee extends a warm invitation to you and your colleagues to participate in the 60<sup>th</sup> IEC of ICID and 5<sup>th</sup> Asian Regional Conference, which will be held in New Delhi, India from 6<sup>th</sup> to 11<sup>th</sup> December 2009. The Conference will focus on the "Improvement in efficiency of irrigation projects through technology upgradation and better Operation

**& Maintenance**". As you are aware, the Central Office of ICID is in New Delhi and it would be an excellent opportunity to be here in the Diamond Jubilee Year of its foundation.

The history of irrigation development in India can be traced back to pre-historic times. Vedas and ancient Indian scriptures made references to wells, canals, tanks and dams which were beneficial to the community and their efficient operation and maintenance was the responsibility of the State. Civilization flourished on the banks of the rivers and harnessed the water for sustenance of life. In an agrarian economy like India, irrigation has played a major role in the production of food. There is an evidence of the practice of irrigation since the establishment of settled agriculture during the Indus Valley Civilization (2500 BC).

India's achievements have been spectacular during the past 60 years after the country became independent in 1947, inheriting an economy which was in a bad shape. Large quantities of food grains were required to be imported to feed its population. In order to make this country self sufficient in food production, large scale irrigation projects were undertaken during the various five year plans. As a result of this development, so far 4050 large dams have been constructed and about 87.23 million ha irrigation potential has been created. India has the third largest pressurized irrigation system in the world as well. It is estimated that irrigated agriculture alone has contributed 52 percent increase in food grain production and in the process has made the country not only self sufficient, but in a position to export of the food grains. It has been realized that unless the farmers are progressively involved, in an organized way, in the operation and maintenance of irrigation system, the objective of increased utilization and production from irrigation commands cannot be realized and even it cannot be sustained in the long run. Therefore, various Indian states have introduced Participatory Irrigation Management under which Water User Associations have been formed where representation from women has been ensured.

INCID looks forward to your participation in the 60<sup>th</sup> IEC of ICID and 5<sup>th</sup> Asian Regional Conference in December 2009 to share your experiences by way of submitting papers followed by your visit here for enlivening the proceedings with discussions. The Indian National Committee (INCID) and the Organizing Committee of the 60<sup>th</sup> IEC and 5<sup>th</sup> Asian Regional Conference will endeavor to provide you an enjoyable stay and exciting experience in India.

Contact: Member Secretary, Indian National Committee on Irrigation and Drainage (INCID), C/o Central Board of Irrigation and Power (CBI&P), Malcha Marg, Chanakyapuri, New Delhi 110021, India. Tel.: 91-11-26115984, 91-11-2611 1294, Fax: 91-11-26116347, E-mail: sunil@cbip.org; cbip@cbip.org [Source: INCID]

## ***A Report on the Southern African Regional Irrigation Association (SARIA)***

The annual workshop of the Southern African Regional Irrigation Association (SARIA) held in February 2009 looked into "*Rainwater harvesting and conservation in the Eastern and Southern region of Africa*".

Rainwater harvesting and conservation has been prioritized for research and extension in several Eastern and Southern African countries. The workshop facilitated an exchange of ideas and practices between researchers and advisory agents involved in rainwater harvesting and conservation. It also helped a shared understanding of the necessary activities and priority areas.

A total of 39 delegates attended the workshop. Participants included SARIA members from 9 of the 14 SADC countries, as well as Kenya. Workshop participants discussed various biophysical and socio-economic issues relating to rainwater harvesting and conservation.

During the steering committee meeting, SARIA member countries discussed the final wording of the Memorandum of Agreement and representatives from each country signed the document. Member countries without national committees on irrigation and drainage committed themselves to establish national interest groups in their countries which will eventually lead to the formation of national committees that will join the ICID family. Currently, the National Committees of Egypt, Ethiopia, Mali, Morocco, Niger, Nigeria, South Africa and Zambia are members of ICID.

## ***International ReSource Award for Sustainable Watershed Management 2010***

Swiss Re, the world's leading reinsurer, launched the "ReSource Award 2010" on 5 January 2009. Swiss Re established the International ReSource Award in 2002 to actively support the planning, evaluation and implementation of water-related projects with the aim of promoting awareness and encouraging the efficient use of this precious resource. The award

### ***World Water Day 2009***

International World Water Day is held annually on 22 March as a means of focusing attention on the importance of freshwater and advocating for the sustainable management of freshwater resources.

An international day to celebrate freshwater was recommended at the 1992 United Conference on Environment and Development (UNCED). The United Nations General Assembly responded by designating 22 March 1993 as the first World Water Day.

In 2009, the theme for World Water Day will be 'Shared Water - Shared Opportunities'. Special focus will be placed on transboundary waters. The main objective of the World Water Day 2009 is to raise awareness on the potential of transboundary water and induce cooperation. It is important to make the world become conscious of water as a source of cooperation instead of a source of conflict.

The Day's website ([www.worldwaterday.org](http://www.worldwaterday.org)) provides information on events organized on the day, slideshows, videos and other resources.

All National Committees are requested to send a summary of how they celebrated the World Water Day alongwith high resolution photographs. The feedback will be given due coverage in subsequent News Updates and Annual Report of ICID.

## ICID at the 5<sup>th</sup> World Water Forum

16-22 March 2009, Istanbul, Turkey

ICID is contributing to various themes / sessions at the 5<sup>th</sup> WWF as Co-ordinators / Contributors and also represented at many sessions as below:

### ICID as Coordinators of Topic 2.3: Water and Food for Ending Poverty and Hunger

Activity	In Cooperation With	Venue, Date
Session 2.3.1: How to achieve the required food production to meet the growing demand?	IWMI, ICARDA, FAO, GWA, Agriculture and Agri-Food (Canada), NIWRMC, Veolia Water, AWC, IFAP, IUCN, SIC ICWC, Govt. of India, Ministry of Jihad-Agriculture (IR of Iran), IWHR, UAN, Rubicon Systems Australia, CIHEAM, IAMB, IEICI, IATP	Date: 18 March 2009 (Wed) Time : 14:30-19:00 Venue: Amphitheatre 4, Sultuce
Session 2.3.2: How can food market measures boost rural development and poverty alleviation?	IFAD, UNESCO-IHE, IDE, CBE, Water Sector Project (Bangladesh), EP, CEGIS, SIC ICWC, DWAF	Date: 19 March 2009 (Thu) Time: 08:30-13:00 Venue: Amphitheatre 4, Sultuce
Session 2.3.3: Water for bioenergy or food?	CIFA, IUCN, IFAD, FAO, FWP, RSB, ANA, ICSTE (Ministry of Public Works, Indonesia), AFEID, BRBC, WBA, NAFU (South Africa)	Date: 19 March 2009 (Thu) Time: 08:30-13:00 Venue: Feshane Halic Hall, Room No.3
Session 2.3.4: How can better water management reduce poverty and hunger? A synthesis	McGill University, CGIAR CWPWF, FAO, FWP, Ministry of WR (China), GCAD (Morocco)	Date: 19 March 2009 (Thu) Time: 14:30-16:30 Venue: Amphitheatre 4, Sultuce

### ICID as contributors to the following sessions:

ICID Role	Cooperation With	Activity	Venue, Date
Partner	FAO, OECD, ADB and IWMI	Drops for Crops (Topic 5.2 and Topic 2.3)	Date: 17 March 2009 (Tue) Time: 08:30-13:00 Venue: Feshane Halic Hall, Room No.3
Contributor	IWA, IUCN, WWF, GEF	Session 1.1.3 of Topic 1.1: Adapting to Climate Change in Water Resources and Water Services.	Date: 17 March 2009 (Tue) Time: 14:30-19:00 Venue: Feshane Halic Hall, Room No.4
Panelist	WMO	Session 1.3.3 : Managing Water Related Risks in Changing Climate	Date : 17 March 2009 (Tue) Time : 14:30-19:00 Venue: Feshane Sadabad Hall, Room No.6
Contributor	FAO, UNCCD, Ministry of Agriculture (Turkey), INIFAD, IFAS	Session 1.2.3: Water and land degradation, tenure system, water rights, land coalition	Date: 18 March 2009 (Wed) Time: 08:30-10:30 Venue: Feshane Halic Hall, Room No.5
Panelist	UN Habitat, World Water Institute	Session 4.2.4 : Safe Reuse of Water	Date: 18 March 2009 (Wed) Time: 11:00-13:00 Venue: Sultuce, Amphitheatre 5

### ICID as contributors to the following sessions (Contd.):

ICID Role	Cooperation With	Activity	Venue, Date
Partner	OECD Water Task Team	Session 5.1.4: Financial Strategies to Support National Water and Sanitation Policies.	Date: 18 March 2009 (Wed) Time: 17:00-19:00 Venue: Feshane Halic Hall, Room No.5
Contributor	UN Water, IFAD, IRC, FAO, MUS Group, INWEPF, CPWF, IWMI, ODI	Session 2.4.2: Governance and institutional support for enabling multiple uses and functions of water services.	Date: 19 March 2009 (Thu) Time: 08:30-13:00 Venue: Sultuce Car Park, Room No.2.
Panelist	IHA	Session 2.2.1: Water and Energy for All: How to build new integrated policies?	Date: 19 March 2009 (Thu) Time: 14:30-16:30 Venue: Sultuce, Amphitheatre 5
Contributor	ICOLD, IWHR	Session 3.2.3: Ensuring adequate storage infrastructure to meet agricultural energy and urban and rural needs	Date: 20 March 2009 (Fri) Time: 11:00-13:00 Venue: Sultuce Car Park, Room No.1
Contributor	IAHR	Session 6.3.2 : Using the Assets of Professional Associations and Networks to Achieve the Millennium Development Goals	Date: 20 March 2009 (Fri) Time: 14:30-19:00 Venue: Feshane Halic, Room No.4
Sub-Convenor	FAO, Wetlands International, Wageningen UR	Session 3.3.3: Acting locally, thinking globally: What actions help preserve ecosystems?	Date: 21 March 2009 (Sat) Time: 08:30-10:30 Venue: Sultuce, Car Park, Room No.2
Contributor	WWC, GWP, UN-Water, The Nature Conservancy	3.3.4: Putting nature first: How to install change to ensure water and environmental security?	Date: 21 March 2009 (Sat) Time: 11:00-13:00 Venue: Sultuce, Car Park, Room No.2

### ICID will be represented at the following sessions:

Activity	Venue, Date
Session on Drought	Date: 16 March 2009 (Mon) Time: 14:30-19:00 Venue: Sultuce, Amphitheatre 4
Session on Water Management 2020	Date: 17 March 2009 (Tue) Time: 14:30-19:00 Venue: Sultuce, Amphitheatre 3
Session on Megadisasters	Date: 19 March 2009 (Thu) Time: 14:30-19:00 Venue: Feshane Halic Hall, Room No.4
Session on Irrigation	Date: 21 March 2009 (Sat) Time: 14:30-19:00 Venue: Sultuce, Amphitheatre 2

**All the National Committees or their representatives are requested to actively participate in as many ICID events as possible and make their presence felt at the 5<sup>th</sup> Forum. Contact : Er. M. Gopalakrishnan, Secretary General, ICID (E-mail:icid@icid.org)**

is an annual competition for innovative watershed management projects with a total value of USD 150 000. It will be granted to one or several projects selected by an international jury. The prize money is to be used exclusively for project implementation.

NGOs, private, scientific or public institutions and similar bodies are invited to apply for the ReSource Award 2010. The deadline for submissions for the ReSource Award 2010 is 30 April 2009. All information on the ReSource Award, can be found at <[www.swissre.com/resource](http://www.swissre.com/resource)>

## Events

### USBR Events:

- (i) 'Safety Evaluation and Visual Inspection of Existing Dams', International Technical Seminar and Study Tour during August 17-27, 2009 at Denver, Colorado, USA.
- (ii) Modern Methods in Canal Operation and Control, 4<sup>th</sup> International Technical Workshop and Study Tour' during 1<sup>st</sup> June to 11<sup>th</sup> June 2009.
- (iii) 1<sup>st</sup> Water Management, Operation and Maintenance, International

Seminar and Study Tour' during 13-22 October 2009.

Contact: Ms. Leanna Principe, International Affairs – Denver, Bureau of Reclamation, P.O. Box 25007, Denver, Colorado 80225, Phone: 1-303-445-2127, Fax: 1-303-445-6322; E-mail: [Lprincipe@do.usbr.gov](mailto:Lprincipe@do.usbr.gov); Website: [www.usbr.gov/international](http://www.usbr.gov/international)

**HYDRO 2009 International Conference and Exhibition during 26-28 October 2009, Lyon, France; Contact : Mrs. Margaret Bourke, Conference Project Manager, UK; E-mail : [mb@hydropowerdams.com](mailto:mb@hydropowerdams.com)**

## New Additions to ICID's TDS Database (February 2009)

The additions during the months to the TDS Database are:

### Article Section – 51 additions (Articles / Papers)

- (i) Irrigation and Drainage – The journal of the ICID, February 2009, Vol. 58, No. 1 (10 nos.)
- (ii) Irrigation and Drainage – The journal of the ICID, *Special Issue on Water for Food and Poverty Alleviation*, February 2009, Vol. 58, Supplement 1 (11 nos.)
- (iii) California Agriculture, January-March 2009, Vol. 63, No. 1 (5 nos.)
- (iv) Rural 21, 2008, Vol. 42, No. 4 (7 nos.); and 2008, Vol. 42, No. 6 (2 nos.)
- (v) Journal of the Institution of Engineers (India), August 2008, Vol. 89 (2 nos.)
- (vi) World Water and Environmental Engineering, September/October 2008, Vol. 31, No. 5 (2 nos.)
- (vii) Proceedings of the Institution of Civil Engineers – Water Management, December 2008, Vol. 161, No. WM6 (7 nos.)
- (viii) IAEA Bulletin, September 2008 (1 no.)
- (ix) Singapore Journal of Tropical Geography, November 2008, Vol. 29, No. 3 (4 nos.)

**Book Section – 39 additions;** till date 31198 additions have been made to TDS database. The Text Delivery Service (TDS) has received two requests during the period from Brazil and Iran.

The Text Delivery Service (TDS) database can be accessed by visiting ICID website: [www.icid.org](http://www.icid.org).

**3<sup>rd</sup> International Perspective on Current and Future State of Water Resources and the Environment** at IIT Chennai, India during 4-6 January 2010. Contact: Dr. Chandra S. Pathak (USA), Conference Chair, E-mail : [ewri@asce.org](mailto:ewri@asce.org); Website: [www.asce.org/conferences/india10](http://www.asce.org/conferences/india10)



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For 2009 Wiley has provided each ICID Office Bearer, work body member and subscriber a membership registration number. Your e-mail address is your user name and you can choose your own password.

Now available on the website Special Issue on '**Water for food and poverty alleviation**', published at the occasion of the 5<sup>th</sup> World Water Forum, Istanbul, Turkey, 16 – 22 March 2009. Guest editors: Henri Tardieu and Bart Schultz. Click on <http://www.interscience.wiley.com/journal/ird> for direct access to the home page of *Irrigation and Drainage* at the Wiley site, or at the abstract of the concerned paper for a direct link to the abstract of that paper.

**Chandra Madramootoo** – Editorial. Abstract

### Research Article

**Bart Schultz, Henri Tardieu, Alain Vidal**

Role of water management for global food production and poverty alleviation. Abstract

### Review Article

**Chandra Madramootoo, Peter S. Lee, M. Gopalakrishnan**

International commission on irrigation and drainage (ICID): its objectives, achievements and plans. Abstract

### Research Articles

**Shigetaka Taniyama**

Recommendations of the ICID task force for least developed countries in Asia. Abstract

**I. K. Musa**

Priority issues of least developed countries in Africa. Abstract

**Park Sang Hyun, Jonathan Simm, Henk Ritzema**

Development of tidal areas: some principles and issues towards sustainability. Abstract

**S.E. Cook, M.J. Fisher, L.W. Harrington, A. Huber-Lee, A. Vidal**

Agricultural water productivity and poverty: A conceptual pathway to link global, basin and local understanding. Abstract

**Barbara van Koppen, Stef Smits, Monique Mikhail**

Homestead- and community-scale multiple-use water services: unlocking new investment opportunities to achieve the Millennium development Goals. Abstract

**Maurits W. Ertsen**

From central control to service delivery? reflections on irrigation management and expertise. Abstract

**Hervé Plusquellec**

Modernization of large-scale irrigation systems: is it an achievable objective or a lost cause. Abstract

**Mark Svendsen, Nana Künkel**

Adapting to hydrologic impacts of climate change: an international development perspective. Abstract

**Hector M. Malano, Brian Davidson**

A framework for assessing the trade-offs between economic and environmental uses of water in a river basin. Abstract

**Jippe Hoogeveen, Jean-Marc Faurès, Nick van de Giessen**

Increased biofuel production in the coming decade: to what extent will it affect global freshwater resources? Abstract



## INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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