



From Secretary General's desk...

Dear Friends,

With less than two months go for pre-Council meetings and 62<sup>nd</sup> IEC in Tehran, Central Office is busy with the preparatory stretch for assisting the various meetings of the workbodies, Central Office Professionals are in touch with the Chairmen of the Working Groups to firm up annotated agenda. I look forward for your kind support.

I shall be representing ICID in several important meetings scheduled during World Water Week in Stockholm in the coming week which, inter alia, include (i) UN-Water meetings in which ICID as a UN-Water Partner will participate, (ii) FAO coordinated meeting of the Working Group on WUE/WP, (iii) Inputs for the WWF6 – particularly on the 'Thematic Priority Area, Contribute to Food Security by Efficient Use of Water'. A few other events in which ICID has an invitation are GWP Consulting Partners Meeting, IWALC and WWC. AFEID proposes to organize a Seminar on "Which Water Quality for Which Use? – A Regulator's and Practitioner's Perspective". This will be chaired by Mr. François Brelle, Chair, AFEID. A Special Session on "Water and Food Security: Call for Solutions" is also being convened in which ICID will be represented in the panel. For more details on these events, may I invite your kind attention to <http://www.worldwaterweek.org>. Your suggestions, if any, particularly on Theme 2.2 topic which addresses several subthemes, would be of great value. Our website has the



content of the Draft that is in consideration as prepared by PH Bart Schultz. Your observations on the Task Force being constituted by UN-Water on "Water Efficiency" which is particularly concerned with a globally acceptable water accounting terminology and definition, would also help me to interact during the meeting.

I am sure that your preparations to join the 62<sup>nd</sup> IEC in Tehran are in full swing. Should you require any assistance, please do not hesitate to contact IRNCID at [irncid@gmail.com](mailto:irncid@gmail.com), [icid2011@gmail.com](mailto:icid2011@gmail.com).

Last but not the least, let me invite your kind attention to the recently uploaded ICID Annual Report 2010-11 in our website. I hope that you find this interesting, covering key aspects of our activities during the last year.

Best regards,

Yours sincerely,

M. Gopalakrishnan  
Secretary General

## News from National Committees

### BANCID (Bangladesh)

BANCID has drawn up a Work Plan for the year 2011 in which the following shall figure as the key activities of the National Committee.

- Two Seminars related to Water Resources Development and Management in Bangladesh would be arranged by the seminar sub-committee of BANCID
- A yearly Newsletter would be published by the publication sub-committee of BANCID by February, 2012.
- An inventory of the studies on irrigation, drainage, river training works, environment and climate change would be prepared jointly by CEGIS and IWM. A student at undergraduate level of Department of Water Resources Engineering, BUET would be assigned as a part of his project work to prepare an inventory on the above studies in consultation with CEGIS and IWM.

### Greece (GRCID)

Greek National Committee in collaboration with other national organizations will be organizing an international training seminar – course on "Application of Satellite Remote Sensing Technologies in Management of Land Reclamation Projects and Environmental Management" to be held in Athens from 1<sup>st</sup> to 30<sup>th</sup> of November 2011.

The main objective of the Seminar is to intensively train the participants to operate remote sensing and GIS software packages and become competitive with the public as well as in private sector. It is strongly felt that the experience gained (through such courses) all these years of implementing satellite and geospatial technologies can be proved to be very useful and applicable in other countries exhibiting similar requirements.

ICID National Committees/Committee may nominate participants in the seminar, if desired. More information can be had from GRCID at Tel: 00 30 210 5294075, Cell: 00 30 6945 800369, E-mail: [gcid.course@gmail.com](mailto:gcid.course@gmail.com)

### UK.ICID (United Kingdom)

Prof. Dr. Bruce Lankford has assumed the role of ICID.UK Chairman, consequent to the stepping down of Dr. Ragab Ragab on 25 July 2011. Prof. Lankford is an acknowledged scientist and had been contributing to ICID richly. His contact details are:

Dr. Bruce Lankford, Chairman, British National Committee of ICID (ICID.UK), Head of School/Sr. Lecturer/Consultant, School of Development Studies, University of East Anglia, Norwich, NR4 7TJ UK, Tel: (44) (0) 1603 593378, Fax: (44) (0) 1603 451999, E-mail: [B.Lankford@uea.ac.uk](mailto:B.Lankford@uea.ac.uk)

ICID fraternity extends its warm welcome to Prof. Lankford in his new capacity as Chairman of UK.ICID and expresses its

thanks to Dr. Ragab Ragab, who has relinquished the position of Chair, UK.ICID after his 4-years term.

## MANCID Delegates visit ICID Central Office

MANCID delegation consisting of eight Senior Level Officers led by Vice President Hon. Ir. Mohd. Azhari bin Ghazalli visited the Central Office on 22 July 2011 and held discussions with ICID Professionals. Dr S.A. Kulkarni, Executive secretary welcomed the delegates and briefed them on how ICID has evolved over the years and role played by MANCID in ICID. VPH Ghazalli then informed about on-going activities of MANCID including the business arm of the MANCID. The delegates were taken to visit the Water Technology Center at Indian Agricultural Research Institute, New Delhi where they were introduced to low cost irrigation equipments for small land holding farmers. They also visited the National Agricultural Museum located in premises and were impressed with the exhibits.

production. The conference theme will have three sub-themes and two panels covering various aspects of the main theme. Besides the Conference, a Training Session on "Advanced technologies of drip irrigation" will also be held from 21 November to 3 December 2011.

The deadlines to receive abstracts are – **31 August 2011**, full papers for oral and poster sessions are **31 October 2011**. For more information about the Conference, please contact: Dr. Adama SANGARE, Secretary General, Association Malienne des Irrigations et du Drainage (AMID), Au Modibo Keita, Im Sulla and Fils, BP 1840, BAMAKO, Mali. Tel: (223) 222 75 21, Mobile No.: (223) 674 08 94, Fax: (223) 223 48 82, E-mail: [a.sangare@betico.net](mailto:a.sangare@betico.net); [betico@betico.net](mailto:betico@betico.net), Website: <http://www.amid-mali.org>.

## 2<sup>nd</sup> Edition of the 'Water for Life' UN-Water Best Practices Award

UN-Water has just launched the 2nd edition of the 'Water for Life' UN-Water Best Practices Award which will focus on the theme for World Water Day 2012 "Water for Food Security".

The purpose of the Award is to promote efforts to fulfill international commitments made on water and water-related issues by 2015 through recognition of outstanding best practices that can ensure the long-term sustainable management of water resources and contribute to the achievement of internationally agreed goals and targets contained in the Millennium Development Goals (MDGs), Agenda 21 and the Johannesburg Plan of Implementation.

The prize is awarded yearly in two categories, one in best water management practices and another one in best participatory, communication, awareness-raising and education practices. The application period is open up to 30 September 2011.

More information is available at <http://www.un.org/waterforlifedecade/waterforlifeaward.html>

### New Additions to ICID's TDS Database (July 2011)

The additions during the months to the TDS Database are:

#### Article Section – 48 additions (Articles / Papers)

- (i) Irrigation and Drainage – The Journal of the ICID, July 2011, Vol. 60, No. 3 (13 articles)
- (ii) Journal of Hydraulic Research, 2011, Vol. 49, No. 2 (15 articles)
- (iii) Canadian Journal of Plant Science, September 2010, Vol. 90, No. 5 (4 articles); November 2010, Vol. 90, No. 6 (4 articles)
- (iv) WMO Bulletin, 2011, Vol. 60, No. 1 (6 articles)
- (v) California Agriculture, April-June 2011, Vol. 65, No. 2 (3 articles)
- (vi) Hydro Nepal, January 2011, No. 8 (3 articles)

**Book Section – 11 additions;** till date 31836 additions have been made to TDS database. The Text Delivery Service (TDS) has received one request during the period from India.

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

## 3<sup>rd</sup> African Regional Conference of ICID on Irrigation and Drainage

The 3rd African Regional Conference on Irrigation and Drainage on the theme "*Food Security and Climate Change: How to Improve the Contribution of Irrigation*" will be held at Bamako, Mali 29 November to 05 December 2011. In conjunction with the Conference, the 3<sup>rd</sup> African Exhibition of Irrigation and Drainage (SAFID) will be organized by the African Regional Association of Irrigation and Drainage (ARID). The Conference aims to answer questions such as — How to reduce the effects of climate change on irrigation? What are the ways to enable irrigation to play a bigger role in food security without causing adverse impacts for the environment?

The conference theme, ***Food Security and Climate Change: How to improve the contribution of irrigation and drainage?*** aims to propose strategies and policies that will allow the irrigation to fully play its role in securing agricultural

## International Workshop on Floods in Pakistan

Pakistan National Committee of ICID (PANCID) / Federal Flood Commission of Pakistan and ICID organized an International Workshop on 'Floods in Pakistan in 2010 – Lessons Learnt & Way Forward' on 12 March 2011 at the auditorium of Pakistan Engineering Congress. This workshop was organized under the leadership of Vice President Engr. Husnain Ahmed, President of the Pakistan Engineering Congress in cooperation with Dr. Kamran Emami (Iran) Chairman of WG-CAFM.

The event was presided over by Chief Guest, H.E. Syed Naveed Qamar, Hon'ble Federal Minister of Water & Power and graced by Mr. Asjad Imtiaz Ali, Chief Engineering Advisor / Chairman, Federal Flood commission / Chairman, PANCID and Deputy Chairman, National Disaster Management Authority (NDMA). The workshop was well attended by experts from ICID and delegates from organizations like WWF and others.

### N.D. Gulhati Memorial Lecture

The N.D. Gulhati Memorial Lecture was instituted in 1981 in the loving memory of late President Hon. N.D. Gulhati (India). The continuity of the Lecture stood interrupted after 1993 but was restored in 2005 at Beijing, China. The Memorial Lecture is intended to bring out significant global developments and world knowledge in the fields of irrigation, drainage, flood management and river training including all allied aspects like Environment, Sociology, Economics, etc. The Memorial Lecture is delivered at each triennial ICID Congress by an eminent international personality. ICID Central Office had invited nominations from all National Committees for nominees to deliver the N.D. Gulhati Memorial Lecture.

A Selection Committee constituted for the purpose has proposed Dr. Charles Michael Burt (USA) for delivering the Distinguished Lecture on the occasion of the 21<sup>st</sup> ICID Congress at Tehran. Dr. Burt has opted to talk on "*Challenges of the Irrigation Engineering shift to Modernization, and away from Construction of Dams and Canals*". All are cordially invited to attend and grace the lecture during the Tehran congress in October 2011.

The aim of the workshop was to probe, analyze the phenomena of floods in the national and international perspective and to formulate a strategy to fight out the disastrous socio-economic fall-out. There were 15 presentations made by foreign and local delegates and later the workshop made recommendations to Federal Government for improving flood management in Pakistan. (Source: Pakistan Engineering Congress)

## Irrigation Australia Conference 2011- Countdown begins

The countdown to Irrigation Australia Conference 2011 is on and if one is planning to attend, it is time to register. The theme of the conference, being held 22-25 August at Launceston, is Irrigation – New Horizons, Fresh Ideas. There is a great line up of presenters, excellent post conference tours and this is a unique opportunity to see and hear about developments in irrigation in the Apple Isle, as well as catch up with policy and technical developments generally. To check out accommodation options, conference program, workshops and more, access the conference link:

<http://IAUS.informz.net/z/cjUucD9taT00MDI5NjYmcD0xJnU9NTAyNzUxNzM4JmxpPTE5NjZlZDc>

## 'Water Management in Motion' - DVDs on Water-Management and Allied Topics

Since *The Water Channel* was launched in 2009, there have been considerable demands for some of the videos are made available on discs. Most of this demand came from educational institutions in developing countries, where internet connectivity is often slow and limited.

Then a survey was carried out among members of Cap-Net, the international network for capacity building in IWRM, to assess the exact nature and extent of this demand. Based on the findings, 'Water Management in Motion,' a set of 6 DVDs containing videos and learning material covering important issues under

### Best Performing National Committee Award

The Panel of Judges for the 4<sup>th</sup> Award for the Best Performing National Committee (BPNCA-4) has selected the South African National Committee on Irrigation and Drainage (SANCID) for the Best Performing ICID National Committee Award (2008-2011). The performance of the SANCID was judged based upon its outstanding contributions towards the mandate and mission of ICID and impressive achievements during the last three years, i.e. between the 20<sup>th</sup> and 21<sup>st</sup> ICID Congresses.

It may be recalled that a Rolling Trophy together with a Citation Plaque is awarded to the winning National Committee in every Congress year. The Rolling Trophy remains with the winning National Committee for a period of three years after which it is transferred to the next winning Committee. The first Award was won by the Korean National Committee of ICID (KCID) in 2002 in Montreal, Canada and the second Award by the Egyptian National Committee of ICID (ENCID) in 2005 in Beijing, China from whom the Trophy was passed on to the Iranian National Committee of ICID (IRNCID) who won the BPNCA-3 in 2008 at Lahore, Pakistan. The trophy will now be passed on from IRNCID to SANCID as the winner of the BPNCA-4.

Heartiest Congratulations to SANCID!

6 themes: IWRM; Climate Change; Water Pollution, Water Quality and Waste Water; Rainwater Harvesting, Recharge, Retention and Reuse; Groundwater Management and Water, Sanitation and Hygiene was developed.

The package can be used for educational and training purposes, capacity building activities, and as an advocacy tool. It will be distributed free of cost among individuals and institutions engaged in water-related education. The project was supported by Cap-Net, GWP, IFAD, NUFFIC, RAIN, UNESCO-IHE and WGF.

For a copy, E-mail: [info@thewaterchannel.tv](mailto:info@thewaterchannel.tv) or visit URL [http://www.thewaterchannel.tv/index.php?option=com\\_content&view=article&id=51](http://www.thewaterchannel.tv/index.php?option=com_content&view=article&id=51) for more info on the package.

## King Hassan II Great World Water Prize

The Government of Morocco and the World Water Council invited candidatures for the 4<sup>th</sup> edition of the King Hassan II Great World Water Prize which will be awarded to an institution, organization, an individual or a group of individuals in honour of their outstanding contributions to the development and use of water resources, in any aspect such as scientific, economic, technical, environmental, social, institutional, cultural or political during the triennially held World Water Forum.

With the full nomination file, candidates should provide the completed application form, which can be found on the WWC website: <http://www.worldwatercouncil.org/index.php?id=1413> and return all materials no later than **31 August 2011**. The winner will be invited to the Prize Ceremony in Marseille at the opening of the 6<sup>th</sup> World Water Forum and will receive a sum of US\$ 100,000 accompanied by a trophy and a certificate.

For more information, contact the Prize Secretariat: +33 4 91 99 41 06 / [hassan2@worldwatercouncil.org](mailto:hassan2@worldwatercouncil.org)

## Forthcoming Events

### ICID Events

**The 21<sup>st</sup> Congress, 62<sup>nd</sup> IEC and 8<sup>th</sup> International Micro Irrigation Congress of ICID, 15-23 October 2011, Tehran, Iran.** For details of Congress, please access Congress website <<http://www.icid2011.org>>.

**3<sup>rd</sup> African Regional Conference, 29 November to 05 December 2011 at Bamako, Mali.** Contact: Dr. Adama SANGARE, Secretary General, AMID, Tel: +22366740894 Fax: +22320284883 and E-mail: [a.sangare@betico.net](mailto:a.sangare@betico.net). For details of Conference, please access their website <<http://www.amid-mali.org>>.

The ICID journal, *Irrigation and Drainage* is available online FREE via Wiley InterScience® for all ICID Office Bearers, Workbody Members and Subscribers.

- Papers are available in easy to read PDF format
- Provides access to the full text of all articles published in *Irrigation and Drainage* since 2001, as well as Tables of Contents and Abstracts
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**A.S. Shakir and Nasir Maqbool**  
Remodelling of the Upper Chenab Canal: A Case Study from Pakistan

**Sanidda Tiewtoy, Roberto S. Clemente, Sylvain R. Perret, Mukand Singh Babel and Sutat Weesakul**  
Irrigation Sustainability Assessment of Selected Projects in the Chin Basin, Thailand

**Thomas Bouisse, Jean-Pierre Baume and Mahamoud Gassama**  
The Use of Hydraulic Models to Optimize the Rehabilitation of an Open Channel Irrigation System: The Example of the Senegal River Delta Irrigation System

**S.P. Bhattarai, M.C. Palada, D.J. Midmore, D. Wu and R. Salas**

On-Farm Evaluation of Fertilizer Briquettes and Low-cost Drip Irrigation for Smallholder Vegetable Production in Cambodia

**Hassan Rahimi, Nader Abbasi and Hassan Shantia**

Application of Geomembrane to Control Piping of Sandy Soil Under Concrete Canal Lining (Case Study: Moghan Irrigation Project, Iran)

**Guohua Lv, Yaohu Kang, Lan Li and Shipping Liu**

Nutrient Distribution, Growth, and Water Use Efficiency in Maize Following Winter Wheat Irrigated by Sprinklers or Surface Irrigation

**Birendra K.C., Bart Schultz and Krishna Prasad**

Water Management to Meet Present and Future Food Demand

**Henk Ritzema and Bart Schultz**

Optimizing Subsurface Drainage Practices in Irrigated Agriculture in the Semi-Arid and Arid Regions: Experiences from Egypt, India and Pakistan

**Bassim Abbassi, Kamel Al-Zboon, Jamal Radaideh and Alaa' Wahbeh**

Using Constructed Wetlands to Improve Drainage Water Quality from Hydroponics Farms

**J.A. Rodríguez-Díaz, E.K. Weatherhead, J. García Morillo and J.W. Knox**

Benchmarking Irrigation Water Use in Golf Courses – A Case Study in Spain

**A. Taheri Tizro, K.S. Voudouris and K. Akbari**

Simulation of a Groundwater Artificial Recharge in a Semi-Arid Region of Iran

**Yu-Min Wang, Seydou Traore, Tienfuan Kerh and Jan-Mou Leu**

Modelling Reference Evapotranspiration Using Feed Forward Backpropagation Algorithm in Arid Regions of Africa

**A. Ghafoor, G. Murtaza, A.A. Maann, M. Qadir and B. Ahmad**

Treatments and Economic Aspects of Growing Rice and Wheat Crops During Reclamation of Tile Drained Saline-Sodic Soils Using Brackish Waters

## INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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