



# News Update

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INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

Diamond Jubilee Year (1950-2009)

October 2009

From Secretary General



Dear Friends,



I had the pleasure to join the 3<sup>rd</sup> International Forum on Water Resources and Sustainable Development held at Wuhan University in September 2009. ICID had the privilege of being invited to be co-organisers of this biennial event, a regular feature now, with the participation of experts of various water organizations around the world besides the Chinese academicians and professional experts. The forum, sponsored by Chinese Academy of Engineering and Ministry of Water Resources of Peoples Republic of China had very interesting presentations and case studies of basins using some of the comprehensive hydrologic models; inter-alia, the impact of Global Climate Change and its adaptation strategies also were the highlights of some of the papers. ICID's contribution in respect of agricultural water management was highlighted in the inaugural plenary when I had an opportunity to intervene.

The McGill Conference on Global Food Security, 2<sup>nd</sup> of a series that commenced since the last year concentrated this time on the effects of the global economic crisis on food security. The laudable initiative of

McGill University, following the sharp peaking of food prices as a result of shortage in global food stock resulting in the non-availability of essential food grains last year, reviewed actions taken by different countries in various fronts and reassessed future possibilities. Representatives of developing and emerging economy countries spoke on their country's experiences in the conference. Leading academics and officials from a wide range of international agencies, like the World Bank, the United Nations World Food Program, the United Nations Food and Agricultural Organization, the Organization for Economic Co-operation and Development, and the Canadian International Development Agency, among others spoke on their organisational perceptions. Specifically, food security in a challenging economic environment, effects of markets and trade, climate change and production of biofuels, access to farm credit, investments needed for agricultural development as well as the response of international agencies to challenges of food security were covered in the invited lectures. One of the conference co-chairs was President Chandra Madramootoo and his lead role in bringing the lead international agencies together at a time of great need to contribute for the Conference was lauded by the assembly.

As many of you would have noticed, the Agenda for the 60<sup>th</sup> IEC to be held in New

Delhi has been posted on our website on 30 September 2009. Kindly download the appropriate portions of the Working Group Agenda(s) or that IEC or Permanent Committees for your perusal; kindly ensure maximum fruitful transactions during the meetings to enhance the value of the outcome. All the National Committees have been supplied with a copy of our Annual Report also that was placed in the website last month. I am sure that you had a chance to peruse this document also.

INCID is working hard to ensure that the delegates for the Asian Regional Conference are able to find very interesting sessions. The papers for the conference accepted for presentations run over 152.

Sure enough, it is time for you to firm up your air travel itinerary and tie up hotel bookings in Delhi, if not done already. Kindly contact INCID / CBIP for any assistance, as required. The Central can help you in case of difficulty by liaising with INCID and Conference Secretariat.

Best regards,

M. Gopalakrishnan  
Secretary General

## Afghanistan Joins ICID Family

We take great pleasure in welcoming Afghanistan as an esteemed new member of ICID family. The Afghanistan National Committee (AFGICID) became active with effect from September 2009. Our warmest felicitations and hearty welcome to the Office Bearers and members of the Afghanistan National Committee. With the joining of

Afghanistan to ICID, the number of active country members rose to 64. The contact coordinates of AFGICID are:

Mr. Shojaudin Ziaie, Hon'ble Deputy Minister for Water, Ministry of Energy and Water (MEW), Kabul, Afghanistan; Tel: +93 752004810, E-mail: Shojaudin\_Ziaie@yahoo.com, and

Mr. Sultan Mahmood Mahmoodi, Afghanistan National Committee of ICID (AFGICID), Head of Hydrology and Water Management (MEW), Main Building of Ministry of Energy and Water, Opposite of Sanatorium Road, Main Darulaman Road, Kabul, Afghanistan; Tel: +93 799695011, E-mail: sul.mahmood@gmail.com

### Agenda for the 60<sup>th</sup> IEC and Workbody Meetings is Now Available Online

Agenda Notes for the 60<sup>th</sup> International Executive Council (IEC) and various Workbody meetings to be held during 6-10 December 2009 at New Delhi, have been posted on the ICID website

<<http://www.icid.org/agenda.html>> on 30 September 2009. All concerned are requested to access the website and view and/ or download the agenda notes for their use in the meetings. Please contact Central

Office for clarifications, if any. The hard copies of the entire agenda volume are being sent by post to all National Committees/ Committee, Office Bearers, and Chairs of various workbodies.

## President Madramootoo at ICRISAT Governing Board meeting

Prof. Dr. Chandra Madramootoo, President, ICID is on Governing Board (GB) of International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) located at Hyderabad, India. The 21<sup>st</sup> meeting of the ICRISAT's GB

was held in September 2009 at Bamako in Mali, where President contributed to issues discussed in their Program Executive and Audit Committees.

Mali is an active member of ICID since

2005 and has offered to host the ICID's 4<sup>th</sup> African Regional Conference in 2011. President Madramootoo also held discussions with the Office Bearers of Mali National Committee (AMID).

## Vice Pres. Hon. Hector Malano visits India

Prof. Hector M. Malano (Australia), Vice President Hon. ICID was in India to organize the Australia-India Workshop on 'The Future of Water Security under Climate Change' on 14 September 2009. The objective of the workshop was to bring together a multi-disciplinary group of researchers from Australian and Indian institutions to share their knowledge on how to overcome future climate change pressures on water security in both countries. As an outcome of the event, it was expected to develop a knowledge base available for researchers and policy makers in both the countries and to form a network of researchers, industries and institutions that deal with water security and its potential impacts on the economy and environment. Prominent speakers from India and Australia involved in the climate change research and policy development made presentations in the workshop. The event was attended by

Secretary General M. Gopalakrishnan and other professionals from the Central Office.

On 17 September 2009 Prof. Hector Malano, who is also the Chairman of ICID's Permanent Committee for Technical Activities (PCTA) visited the Central Office and held discussions with the Secretary General and other professionals. Besides the draft agenda for the 29<sup>th</sup> meeting of the PCTA, other issues/ topics discussed included desirability of constituting Task Forces on topics like 'sedimentation of reservoirs', 'bio-fuel policy'; and possibility of

rejuvenating 'Working Group on Capacity Building'. VPH Prof. Malano was also apprised with various preparations by the Indian National Committee (INCID) in organizing the 60<sup>th</sup> IEC meeting and 5<sup>th</sup> Asian Regional Conference in coming December and about ICID's future Conferences and their themes/topics.



## Vice Pres. Dr. Karim Shiati Visits Syria

Dr. Ir. Karim Shiati, Vice President, ICID and Chairman of ICID's Asian Regional Working Group (ASRWG) visited Syria in September 2009. The main purpose of his visit was to enhance the regional cooperation among the National Committees in the West Asia. He met H. E. Eng. Hussein Makhlof, Director, General Commission for Water Resources, Ministry of Irrigation, Syrian Arab Republic.

The visit commenced with a briefing on the organizational changes of the Syrian National Committee on Irrigation and Drainage (SYCID) by Eng. Makhlof,

followed by a presentation of Dr. Shiati on activities of the Iranian National Committee on Irrigation and Drainage (IRNCID). Mr. Joseph Jreige the new secretary of SYCID was also present in the meeting.

[Source: IRNCID]



**ICID Annual Report 2008-09 has been posted on ICID website: <http://www.icid.org/annualreport.html> and can be viewed and downloaded. The printed report has also been sent by post to all concerned.**

## Summary Reports of Workshops

### Third International Forum on Water Resources and Sustainable Development, China

The 3<sup>rd</sup> International Forum on Water Resources and Sustainable Development was held at Wuhan, China on 22-24 September 2009. The chief objective of the forum was to improve understanding of the complex and dynamic relationship between water resources and sustainable social development, and exchange experiences on water resources management, development and protection.

The Forum was jointly sponsored by Chinese Academy of Engineering, and Ministry of Water Resources; and organized by Wuhan University. The forum was inaugurated by H.E. Mr. Chen

Lei, Minister of Water Resources, P.R. China. The Forum was attended by more than 300 international and Chinese academicians, experts, and professionals. Experts from international organizations such as International Association of Hydraulic Engineering and Research (IAHR), International Commission on Irrigation and Drainage (ICID) and International Water Resources Associations (IWRA), International Water Management Institute (IWMI), Third World Centre for Water Management (TWCWM), and Universities from Australia, Russia and USA delivered key speeches. Er. M. Gopalakrishan,

Secretary General was invited to address at the opening ceremony wherein he underlined ICID's role in water resources development and management in achieving food security and environmental sustainability. Dr. S.A. Kulkarni, Executive Secretary, ICID made a presentation on 'Challenges and Threats in Participatory Irrigation Management' in one of the forum sessions. Among others, the forum was attended by VPH Dr. Gao Zhanyi, Prof. Jiesheng Huang, Ms. Wang Shaoli of the Chinese National Committee (CNCID). Following the Forum, a study tour to the three gorges dam was organized.

### International Workshop on Capacity Development for Farm Management Strategies to Improve Crop-Water Productivity using AquaCrop, China

A regional workshop on "Capacity Development for Farm Management Strategies to Improve Crop-Water Productivity, using AquaCrop" was held during 14-18 September 2009 at the China Agricultural University in Beijing. More than 30 participants, including mid-level managers, professionals and researchers in water and agriculture, met in Beijing to learn the practical applications of AquaCrop, a new crop-water productivity model developed by FAO.

The model focuses on simulating the attainable yield in response to water, which is the key driver for agricultural production.

The main objective of this 'train-the-trainer' workshop was to train participants in the practical applications of AquaCrop in order to improve their skills in strategic farm management practices towards increasing crop water productivity in rainfed and irrigated production systems,

and to identify possible paths of action towards implementation of the concept in their own field of work.

The participants were expected to carry the knowledge/ skills back to their institutions and countries and use and disseminate the tools during their teaching, research and project activities. The AquaCrop software can be downloaded for free from the FAO AquaCrop website. [Source: UNW-DPC, Bonn, Germany]

### Regional Workshop on Water Saving Irrigation Practices in Rice-based Canal Systems, Thailand

A regional workshop on 'Water Saving Irrigation Practices in Rice-Based Canal Systems' was held during 8-9 October at Asian Institute of Technology (AIT), Bangkok. The objective of the workshop was to review water saving issues and experiences in medium and large rice-based canal irrigation systems, for identifying knowledge gaps and fostering international collaboration on exchange of experiences, research, education and development. The workshop was attended by 50 participants comprising Ph.D students, scientists and practitioners from South and South-East Asia and Europe. The key observations and recommendations of the workshop are:

In addition to the drivers of population growth and increasing demands from

various competing sectors, overbuilding of basins with unbalanced and uncoordinated storage and water use schemes, with internal distribution problems, has "by design" created water scarcity within some basins and scheme areas.

Water saving measures, at the field and higher scales, need to be based on a thorough understanding of water balances and linkages between surface and groundwater and flow pathways.

Water saving irrigation practices, including alternate wetting and drying (AWD) techniques, should be promoted where applicable. Service and infrastructure requirements of these techniques need to be identified and applied.

Adoption of water saving measures will require a framework of incentives for farmers and water managers. Water pricing in itself is not likely to provide an incentive in irrigation canal systems, unless if combined with volumetric management and pricing.

Supporting policies and capacity building including training of farmers and managers are required to disseminate water saving practices at a larger scale. Furthermore, awareness of policy makers on the issue of water saving irrigation needs to be raised, and irrigation investment strategies should include measures for the adoption of water saving irrigation techniques at the farm level. [Source: Dr. M. S Babel, Associate Professor, and Workshop Coordinator, AIT, Bangkok, Thailand]



## Take advantage of Irrigation and Drainage Online

The ICID journal, *Irrigation and Drainage* is available online FREE via Wiley InterScience® for all ICID office bearers, work body 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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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 **Volume 58.4**, published in October. Right 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 or the PDF of the concerned paper for a direct link to respectively the abstract or the full paper.

### Research Articles

**Zhong Ruisen, Dong Xinguang, Ma Yingjie**  
Sustainable water saving: new concept of modern agricultural water saving, starting from development of Xinjiang's agricultural irrigation over the last 50 years. Abstract.

**Liwei Shao, Xiyang Zhang, Suying Chen, Hongyong Sun, Zhenhua Wang:** Effects of irrigation frequency under limited irrigation on root water uptake, yield and water use efficiency of winter wheat. Abstract.

**Daniel J. Van Rooijen, Hugh Tural, Trent Wade Biggs:** Urban and industrial water use in the Krishna Basin, India. Abstract.

**Man H. Hwang, Seung J. Maeng, Sang J. Lee, Bae S. Lee, Ick H. Koh:** Discharge

characteristics at the control point for rainfall runoff model application. Abstract.

**A. R. Kiani, F. Abbasi:** Assessment of the water-salinity crop production function of wheat using experimental data of the Golestan province, Iran. Abstract.

**Muhammad Latif, Muhammad Zakria Ahmad:** Groundwater and soil salinity variations in a canal command area in Pakistan. Abstract.

**Muhammad Akram Kahlowan, Muhammad Akram, Zamir Ahmed Soomro, W. D. Kemper:** Prospectus of growing barley and mustard with saline groundwater irrigation in fine- and coarse-textured soils of Cholistan desert. Abstract.

**Tooraj Honar, Alireza Keshavarzi:** Effect of rounded-edge entrance on discharge coefficient of side weir in rectangular channels. Abstract.

**Raj Kumar Jhorar, A. A. M. F. R. Smit, C. W. J. Roest:** Effect of model selection on computed water balance components. Abstract.

## Forthcoming ICID Events

Event	Date & Place	Contacts
<b>60<sup>th</sup> IEC Meeting and 5<sup>th</sup> Asian Regional Conference</b>	6-11 December 2009, New Delhi, India	Conference Secretariat: Secretary, Central Board of Irrigation and Power (CBI&P), Malcha Marg, Chanakyapuri, New Delhi 110021, India. Tel: 91-11-2611 5984, 91-11-2611 1294, E-mail: <a href="mailto:sunil@cbip.org">sunil@cbip.org</a> , <a href="mailto:cbip@cbip.org">cbip@cbip.org</a> , Website: <a href="http://www.incid2009delhi.org">http://www.incid2009delhi.org</a> or INCID Secretariat: Member Secretary, Indian National Committee on Irrigation and Drainage (INCID), CWC, Tel.: +91-11-26107086; 26101593; E-mail: <a href="mailto:arc5delhi@gmail.com">arc5delhi@gmail.com</a>
<b>61<sup>st</sup> IEC Meeting and 6<sup>th</sup> Asian Regional Conference</b>	10-16 October 2010, Yogyakarta, Indonesia	Indonesian National Committee of International Commission on Irrigation and Drainage (INACID), Ministry of Public Works, Directorate General of Water Resources, Main Building, 3rd Floor, Jalan Pattimura No. 20, Kebayoran Baru, Jakarta Selatan, Indonesia. Tel: +62 21 723-0317, +62 21 723-0318; E-mail: <a href="mailto:inacid_indonesia@yahoo.co.id">inacid_indonesia@yahoo.co.id</a> , <a href="mailto:inacid2010@gmail.com">inacid2010@gmail.com</a> , <a href="mailto:secretariat@icid2010.org">secretariat@icid2010.org</a> , Website: <a href="http://www.icid2010.org">http://www.icid2010.org</a>
<b>24<sup>th</sup> European Regional Conference</b>	16-20 May 2011, Groningen, The Netherlands	Dr. A.L. Hakstege, Netherlands National ICID Committee (NETHCID), Rijkswaterstaat Civil Engineering Division, P.O. Box 20,000, 3502 LA Utrecht, The Netherlands. Tel.: +31887972316 / +31653645227, E-mail: <a href="mailto:pol.hakstege@rws.nl">pol.hakstege@rws.nl</a> , Website: <a href="http://www.nethcid.nl">http://www.nethcid.nl</a>
<b>62<sup>nd</sup> IEC, 21<sup>st</sup> International Congress on Irrigation and Drainage, and 8<sup>th</sup> Intern'l Micro Irrigation Congress</b>	15-23 October 2011, Tehran, Iran	Dr. S.A. Assadollahi, Secretary General, Congress Secretary, Iranian National Committee on Irrigation and Drainage (IRNCID), No. 1, Shahrzaz Alley, Kargozar St., Zafar Ave., Tehran, Iran, Postal Code: 19198-34453. Tel: (+9821) 2225 7348 – 22250162, E-mail: <a href="mailto:irncid@gmail.com">irncid@gmail.com</a> , <a href="mailto:icid2011@gmail.com">icid2011@gmail.com</a> , Website: <a href="http://www.icid2011.org">http://www.icid2011.org</a>

## INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

48 Nyaya Marg, Chanakyapuri, New Delhi 110021, India, Tel : 91-11-2611 5679, 91-11-2611 6837, 91-11-2467 9532  
Fax : 91-11-2611 5962; E-Mail : [icid@icid.org](mailto:icid@icid.org); Website : <http://www.icid.org>

Editors : Dr. V.K. Labhsetwar, Director and Dr. S.A. Kulkarni, Executive Secretary; DTP : K.D. Tanwar, Central Office