



News Update

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INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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From Secretary General's Desk...



Dear Friends,



I was in Bangkok to join the IWMI- FAO- ADB workshop on Trends and Transition in Asian Irrigation during 19-21 January 2009 on special invitation. As a follow up of an earlier initiative of FAO with IWMI and others in Beppu 1st Asia Pacific Water Summit on 'Re-inventing Irrigation and Agricultural Water Governance in the Asia Pacific to meet MDGs, the workshop attempted to take further action to ensure Asia's Food security and committing assured water needs to the effect. Following the plenary with the introduction of an issue paper by IWMI and the FAO presentations on the outcome of some their regional workshops on the future of the large scale rice-based systems in Southeast Asia, discussions took place in regional groups aimed at covering Central Asia, East South East Asia and South Asia; the interim review of the issue paper flagged a few issues distinctly unique for the regions. One of the sub sessions concerned 'PIM as a tool of effective future water governance'. There were some mixed reactions on the appropriateness of PIM and some argued that it is a failure despite several decades of attempt in that direction in some countries in Asia. It is time that our National Committees bring out success stories for wider publicity as the perceptions emerging out of ICID congresses and Conferences are not well reflected in the base document that was circulated. This document was circulated to all the National Committees in the region. Central Office can provide copies again, if need be.

As decided in the Council meetings in Lahore during October 2008, I attended the FAO organized "High Level Conference on Water for Agriculture and Energy in Africa: The Challenges of Climate Change" in December 2008 in Sirte, Libya. Participated by many member countries of ICID family and in some cases at the highest levels, this was indeed a milestone in evolving declarations committing action to lift water agenda in Africa. Many of our colleagues from Africa had a chance to get together and participate in the sessions on evolving a 'Ministerial Declaration'. Kindly see the website for details. Our Work Team on Lake Chad basin held an interim meeting; on conclusion, they have urged the need of more ICID focus on Lake Chad issues and enrolling all the member countries impacted by Lake Chad. While joining the new initiative AgWA (Agricultural Water for Africa) with sister organisations (IPTRID, AfDB, FAO, IWMI etc.), I promised to extend assistance to AgWA. Utilising the opportunity, I made contacts with Libya to explore the possibilities and revive their interest in ICID. Libya's great efforts to promote agriculture in a challenging environment are unique; this is so because water is being assured with 'man made rivers', modern technologies that ensures water saving in a most difficult environ.

The upcoming ICID regional event is the 23rd European Regional Conference scheduled in May this year in Lviv, Ukraine. I have great pleasure to draw your kind attention to the invitation of VP Peter Kovalenko. This is a wonderful opportunity for our assembly, given the theme's relevance under the current settings. I hope that you will mark the dates in your diary and register for the event in time. I assure you that Ukraine has a lot to give us and your participation will help us to have very successful and fruitful sessions.

Many of you must also be preparing for the forum to be held in Istanbul. Elsewhere, you would find a brief on the status of Topic 2.3 for which ICID are the coordinators. That apart, many of you may have interest in other sessions and topics under different themes. Please visit the Forum and VMS for any contributions that you intend to make. ICID's fraternity is likely to join in a big way and I am sure that you would be one amongst them. See you in Istanbul.

Best regards,

M. Gopalakrishnan
Secretary General

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Dr. Peter Kovalenko, Vice President

International Commission on Irrigation and Drainage • Commission Internationale des Irrigations et du Drainage

Dear colleagues and friends,



The Organizing Committee of the Conference and the Ukrainian National Committee on Irrigation and Drainage (UKCID) have the honour to invite all of the National Committees of the International Commission on Irrigation and Drainage (ICID) to participate in the 23rd European Regional Conference on "**Progress in Managing Water for Food and Rural Development**". The event will take place in Lviv, Ukraine, from 17 till 24 May 2009.

The Conference is devoted to the issues of current importance on water and land resources management, especially it will focus on progressive methods and technologies developed and applied in the European countries. UKCID hopes for an active participation of scientists, researchers, experts and young professionals from across the globe. Holding this important international event will promote exchange of experience and practical applications of progressive methods for water resources management, and also it will be useful for an expansion of business and scientific connections of Ukrainian experts with their foreign colleagues.

Ukraine is a very hospitable country and UKCID will try to do its best for your participation in the Conference and stay in Ukraine will be made useful and pleasant.

Welcome to Ukraine!

Sincerely yours,

Peter Kovalenko
Vice President of ICID
Head of the Ukrainian National Committee of ICID
Director of Institute of Hydraulic Engineering and Land Reclamation of Ukrainian Academy of Agrarian Sciences

Central Office

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Capacity Development Workshop for Improving Agricultural Productivity, Water Use Efficiency and Rural Livelihoods (An Inter-sessional Meeting for CSD-17)

Representatives of various Governments, international and academic institutions, and major groups participated in a Capacity Development Workshop for Improving Agricultural Productivity, Water Use Efficiency and Rural Livelihoods, organized jointly by United Nations - Department of Economic and Social Affairs (UNDESA), UN-Water Decade Programme on Capacity Development (UNW-DPC) and United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) in Bangkok from 28-30 January 2009.

This workshop aimed to accelerate and advance the implementation of key elements of the sustainable development agenda.

In the workshop, issues and challenges concerning agricultural development and food security, agricultural water management, rural development, land use planning and management, and the need for adaptation to climate change were discussed including lessons learned on the pros and cons of various policy options and practical measures that contribute in addressing the challenges identified under each of the thematic areas being considered under the current CSD cycle, i.e. agriculture, rural development, drought, desertification and Africa.

The meeting recognized that achieving food security remains an important goal

especially in developing countries. The food crisis endangers millions of the world's most vulnerable, and threatens to reverse the achievements made so far to achieve the MDGs and sustainable development. Policies and measures aimed at addressing the food security goals should address completion between food and energy crop production in a balanced manner. Recent food crisis have also demonstrated the need to develop safety net programs so that governments could react more quickly to rising food and input prices. Impact of these policies need to be monitored regularly to identify gaps and solutions. The following messages were relayed to the United Nations Commission on Sustainable Development.

The workshop concentrated on key elements like (i) Increasing Agricultural Productivity; (ii) Promote integrated management of land and water resources; (iii) Provide access to social capital; (iv) Secure access to tenure; (v) Adapt to climate change; (vi) Scale up successful practices.

All presentations as well as other related workshop documents will be accessible shortly from www.un.org/esa/sustdev/calendar/work_bkk09.htm hosted by UN DESA. The workshop webpage is also linked to from the UNW-DPC webpage <www.unwater.unu.edu>

5th World Water Forum

The 5th World Water Forum, to be held in Istanbul, Turkey (16-22 March, 2009) is fast approaching .

Under the overarching theme of 'Bridging Divides for Water', thousands of water experts, political and economic decision makers, social leaders, environmentalists, engineers and water users will come together to tackle the most critical water-related challenges.

The 3rd Announcement of the 5th World Water Forum is now available for download from the Forum website <www.worldwaterforum5.org>

The Forum envisages a special Theme 2 on "Advancing Human Development and the Millennium Development Goals (MDG)". This theme is divided into various topics of relevance and one such relates to "Water and Food for Ending Poverty and Hunger" (Topic 2.3). This topic is coordinated by ICID. The details of the questions and issues relating to the Topic 2.3 may be seen in the Forum website as well as ICID website. Please visit ICID webpage (http://www.icid.org/wwf5/wwf5_ds_situ.pdf) and click the appropriate box on Topic 2.3 for details. The Forum Organizers entertain responses through virtual meeting space (VMS).

remarks. Prof. Dr. W.G.M. Bastiaanssen (The Netherlands) will be delivering a talk on 'The Advances in Irrigation Technology'. Mr. A.S. Gueddari, Director of Irrigation in Morocco will also be speaking on 'The Future of Irrigation in Morocco' during the ceremony.

In the past, Morocco had held the privilege of providing one President and two Vice Presidents. It had played a significant role in the ICID francophone group. We felicitate Moroccan National Committee on its great achievements in the past four decades and wish them a very successful 40th Anniversary celebrations. [Source: ANAFIDE]

The GWP 2009-2013 Strategy

Pushing Water Higher up the Development Agenda

The Global Water Partnership (GWP) announced its new global strategy, one that focuses on the achievement of four major goals during the period 2009-2013. The new strategy aims to build on those successes by pushing water higher up the development agenda.

The GWP 2009-2013 Strategy is available at www.gwpforum.org. [Source : GWP Forum]

News from National Committee

ANAFIDE (Morocco)

40th Anniversary of ANAFIDE

The Moroccan National Committee of ICID (ANAFIDE) is celebrating its 40th Anniversary this year. On this occasion ANAFIDE is organizing a ceremony on 24 February 2009 in Rabat, Morocco, where Prof. Dr. Chandra A. Madramootoo, President of ICID has been invited as a keynote speaker to deliver his address on 'The Future of Irrigation'. Mr. Abdellah Bekkali, President of ANAFIDE will welcome the guests with opening

ICID WatSave Awards 2009

Invitation for Nominations

ICID instituted 'WatSave Awards' in 1997 to recognize 'outstanding contribution to water saving in agriculture' across the world. Entries for the nominations are now open.

Lessons to Learn from the History of Water Management in Large River Basin and Drought : A Report

Prof. N. Hacho (Japan)

Development and management of water in large river basins has progressed with the development of construction machinery and the availability of power source, first by the colonial governments and then new governments after independence, particularly during the 1960s and 1970s, together with the construction of large dams. However, many of large irrigation systems could not achieve expected performance due mainly to the problems associated with the management of water. Excessive use of water in upper reach and shortage of water downstream has often been observed, resulting in water conflicts, waterlogging, salinization, and low productivity of water. With poor performance and productivity, operation and maintenance costs are not fully covered, and the system deteriorates, falling in a vicious cycle.

On the other hand, the performance of small and traditional systems has been comparatively high and well managed. How can we upscale the approach of water management of small/traditional systems to the management of large systems? How water users association can be organized at the tertiary level, and then they are integrated into a larger federation at a system level.

In a Seminar held in Lahore alongwith 59th IEC in October 2009, historical wisdom and knowledge accumulated in the experiences of managing small and traditional system were discussed, and the approach of translating these lessons into the management of water of large systems, particularly during the period of drought or water shortage, were examined.

There were 11 full papers contributed to the seminar. Region wise, there were 3 contributions from Pakistan, two contribution from India and the remaining 6 were one each from the Philippines, Chinese Taipei, The Netherlands, Hungary, U.K., and Japan. Seven papers were presented in the History Seminar on 14 October 2008 during the Lahore Congress.

One paper (not presented) discussed traditional community based irrigation system and the wisdom of local users on managing such system. Important elements for sustainable management were efficiency/productivity, equality, no negative impacts and effective participation. These requirements are also applicable to a large system, however

due to its size and complexity it would be very difficult to ensure such factors for good governance and sustainability (*Charles L. Abernathy, UK*). Social and economic impacts of intervention should be fully analyzed and shared among stakeholders, and effective control and mitigation measures should be adopted under the framework of national water policy (*Z. Habib, Pakistan*).

Circumstances surrounding (irrigated) agriculture changes suddenly, and needs arise to cope with emerging opportunities and threats (*Z. Habib, Pakistan; L.G. Hayde, Hungary; Asrar-Ul-Haq, Pakistan; and Shahid Ahmad et al, Pakistan*) such as political change (war, independence), economic situation (price rise, trade opportunities), and environmental conditions (climate changes). Thus the management and development of water resources should be more inclusive and flexible (*Z. Habib*). Changes in political situation can often lead to the need for reallocation of water, at national or international level, and construction of new infrastructure (*Z. Habib, L. Hayde and S. Ahmad et al*).

Approach of development, including participatory vs. top-down, colonial/authoritarian vs. self governance was discussed in several papers (*L. Hayde and S. Ahmad et al*), but question still remains if participatory or self-governance approach can be applied for a very large system.

In the end, we need to make appropriate design and planning to ensure timely and sufficient delivery of water, under the constraints of water scarcity and quality degradation with impacts of climate change. Also the delivered water should be shared equitably among users without causing negative impacts on environment, achieving high productivity of water and land. In addition circumstances surrounding irrigated agriculture should be favorable to ensure enough returns to water users with appropriate policy and strategies. As such, there are so many challenges we need to face in assuring sustainable management of a very large system. At present, many of these conditions needed for achieving sustainable management of a large system are not fully satisfied. Then the question comes if we can satisfy these conditions by strengthening current practices or do we need to adopt different approach? The history has not told any concrete lessons on this issue.

New Additions to ICID's TDS Database (January 2009)

The additions during the months to the TDS Database are:

Article Section – 42 additions (Articles / Papers)

- (i) California Agriculture, Oct.-Dec. 2008, Vol. 62, No. 4 (3 nos.)
- (ii) Indian Journal of Power and River Valley Development, Nov.-Dec. 2008, Vol. 58, Nos. 11 & 12 (1 no.)
- (iii) Journal of Hydraulic Research, 2008, Vol. 46, No. 6 (7 nos.)
- (iv) Paddy and Water Environment, Dec. 2008, Vol. 6, No. 4 (8 nos.)
- (v) Journal of Environmental Science & Engg., April 2008, Vol. 50, No. 2 (3 nos.); and July 2008, Vol. 50, No. 3 (3 nos.)
- (vi) Journal of the Institution of Engineers (India), Dec. 2008, Vol. 89 (8 nos.)
- (vii) International Water Power & Dam Construction, July 2008, Vol. 60, No. 12 (5 nos.)
- (viii) Agricultural Research, July 2009, Vol. 57, No. 1 (4 nos.)

Book Section – 35 additions; till date 31159 additions have been made to TDS database. The Text Delivery Service (TDS) has received five requests during the period from Brazil and India.

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

Awards are given in three categories viz. (i) Technology, (ii) Innovative Water Management, and (iii) Young Professionals. Each award carries prize money of US\$ 2000 and a Citation. The ICID WatSave Awards will be presented at the 60th meeting of the IEC scheduled to be held in December 2009 at New Delhi, India. The Awards are only made in respect of actual realized savings and not for promising research results, plans and/or good ideas/ intentions to save water.

Nominations are invited for the 'WatSave Awards 2009' from individuals/ team through National Committees/ Committee. The entries are open to all professionals/ teams from ICID member countries as well as non-member countries. In case of an entry from a 'non-member' country, the nomination has to be routed through

and validated by an active National Committee of ICID, who should be in touch with the nominee and is aware of his work'. The contact coordinates of the ICID National Committees/ Committee, the 'Nomination Form', 'Conditions and Criteria', 'Check list' of the documents to be submitted and 'Evaluation Proforma' are available for download at <www.icid.org/awards.html>. The deadline for receipt of the entries from the applicants along with a completed 'Nomination Form' etc. to the National Committee (NC) is **31 July 2009** and from NCs to Central Office ICID, New Delhi is **31st August 2009**. The entries should be submitted electronically to respective National Committees well in advance of the deadlines to facilitate processing. The nominations sent directly to the Central Office, ICID will not be entertained.

The selection of the winners from amongst the nominations received will be made by an International Panel of Judges. National Committees are urged to give a wide publicity to these awards in their country among actual farming communities and persons actively engaged in water savings/conservation practices. For further information, please contact Director, ICID at E-mail: <icid@icid.org>

Events

Joint International Convention: 8th IAHS Scientific Assembly and 37th IAH Congress on Water: A vital resource under stress – How science can help, 6-12 September 2009 at Hyderabad, India. Contact: Convention Secretariat, National Geophysical Research Institute, Hyderabad, E-mail: iahs_iah@yahoo.com; Website: <http://www.appliedhydrology.org/iahs/>

International Forum on Water Resources and Sustainable Development, 22-24 September 2009, Wuhan University, China. Contact: Prof. Dr. Jiesheng Huang, E-mail: jshuanga@public.wh.hb.cn, Prof. Dr. Zhixian Cao, E-mail: zxcao@whu.edu.cn, Prof. Dr. Lihua Xiong, E-mail: xionglh@whu.edu.cn, Assoc. Prof. Dr. Bin Dong, E-mail: dongbin@whu.edu.cn, Website: <http://2009.waterlab.cn/en/index-en.html>

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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 web site **Volume 58.1**, to be published in February. 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.

Volume 58, Issue 1 Research Articles

Jianxin Mu, Shahbaz Khan, Munir A. Hanjra, Hao Wang

A food security approach to analyse irrigation efficiency improvement demands at the country level. Abstract.

Murat Yakubov, Herath Manthirithilake
Water for food as food for thought: case study of applying the PODIUMSim model to Uzbekistan. Abstract.

O. Bozorg Haddad, M. Moradi-Jalal, M. Mirmomeni, M. Kh. Kholghi, M. A. Mariño

Optimal cultivation rules in multi-crop irrigation areas. Abstract.

Gideon Sinai, Ben-Zion Dalins, Daniel Cohen, Uri Shamir

Design of irrigation water supply systems using the Q-C feasibility domain concept: I. Introduction and theory. Abstract.

G. Sinai, Ben-Zion Dalins

Design of multiquality irrigation water supply systems using the Q-C feasibility domain concept: II. QCFD model and applications. Abstract.

Yih-Chi Tan, Jihn-Sung Lai, Keshav Raj Adhikari, Alan Yun Lu

Who benefits from allocating agricultural water to other sectors in Taiwan? Abstract.

Satyendra Kumar, M. Imtiyaz, A. Kumar

Studying the feasibility of using microirrigation systems for vegetable production in a canal command area. Abstract.

Paschalis S. Dioudis, Agathos T. Filintas, Aristotelis H. Papadopoulos

Corn yield response to irrigation interval and the resultant savings in water and other overheads. Abstract.

Hossein Dehghanisanij, Mohammad M. Nakhjavani, Adel Zeggaf Tahiri, Hisao Anyoji

Assessment of wheat and maize water productivities and production function for cropping system decisions in arid and semiarid regions. Abstract.

H. Ahmadi, H. Rahimi, J. Abdollahi

Optimizing the location of contraction-expansion joints in concrete canal lining. Abstract.

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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