

News Update

August 2012

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INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID)

Managing Water for Sustainable Agriculture



From Secretary General's Desk....

Dear Friends,

Agricultural development plans are no longer concerned almost exclusively with staple food production. The new diversified agricultural activities provide considerable income and employment opportunities but are highly volatile not only to the given market situations but also to the variability of water available for agriculture, particularly in arid and semi-arid regions. Changing climate would further increase this vulnerability, thereby enhancing the need for efficient irrigation and drainage management.

The water, food and energy inter-linkages have emerged strongly within the national policies, paying far more attention to diversification into new crops, products, and markets. Water and natural resources management issues are complex and require innovative solutions. Institutional arrangements that facilitate innovative approaches based on best knowledge will be a key challenge for optimal use of irrigation water. Partnerships will be key drivers to the holistic systems approach.

It is widely recognized that scientific research that creates new knowledge and technology and that can be transferred and adapted to different situations has a crucial role in sustainable management of natural resources. Increasingly, decentralization of decision making process requires farmer's participation in a variety of platform which draws heavily on their time, energy and resources. ICID in collaboration with World Bank and FAO has made efforts in the past in that direction through International Program for Technology



To enable Irrigation and Drainage to play its pivotal role in enhanced agriculture production and rural development, ICID plans to orient its new Research Agenda to integrate within the emerging agricultural innovation systems that are increasingly proving effective. ICID therefore lays emphasis on demand driven research and technology, accompanied by the development of wider competencies, linkages, enabling attitudes, practices, governance structures, and policies that allow the knowledge generated through Irrigation and Drainage research to be put into productive use. Such an approach requires developing platforms for learning, sharing, communicating, and innovating.

Creating such an enabling environment to support the use of knowledge requires structural changes not only at the national level but also in networking institutions like ICID that make the irrigation and drainage knowledge available through research and dissemination mechanisms. ICID has revisited its membership and the means of networking and sharing and has taken steps to fill the gaps in its interaction mechanism.

Broadbasing of its National Committees to include all stakeholders within irrigation and drainage sector started a few years back. As a step further, ICID has now opened its membership beyond the National Committees, to include individuals, institutions and companies as direct members.

ICID also proposes to organise a World Irrigation Forum, once every three years, with an effort to bring together all stakeholders, particularly engaged within the irrigation, drainage and flood management, on one platform. The First World Irrigation Forum will be held in Mardin, Turkey in September-October 2013.

Best regards,

Avinash C. Tyagi
Secretary General

ICID at World Water Week 2012

The World Water Week, the leading annual global meeting place for supported international processes and programmes in water and development, taking place during August 26-31, with the theme: "Water and Food Security" will feature following workshops:

- Best use of blue water resources for food security
- Rainfed production under growing rain variability: Closing the yield gap
- Safeguarding global food security and life supporting ecosystems
- Health and food security
- Securing water and food in an urbanizing world
- Towards a green economy: The water-food-energy nexus
- Trade and food security
- Governance for water and food security

ICID is co-convening the Workshop: "Best Use of Blue Water Resources for Food Security" along with Stockholm International Water Institute (SIWI), International Water Management Institute (IWMI) and Food and Agriculture Organization of the United Nations (FAO) on 28th August 2012 from 8.00 to 17.30 hrs in Room K 12.

In addition, at the World Water Week 2012, ICID will be participating in the following events: (1) Governance for water and food security and (2) Safe use of wastewater in agriculture. Besides, Prof Gao Zhanyi, President of ICID, President Hon. Prof Chandra Madramootoo, Vice President Mr. François Brelle and Mr. Avinash Tyagi, Secretary General of ICID will be participating in these sessions, either as Chairman of the workshop or a keynote speaker and/or as a panelist. President Gao has also been invited by ADB to be a panelist in the session



'Eye on Asia: Water and Food Security'. Representatives from other ICID National Committees will also be participating in this week.

With a substantial increase in the demand for food and other agricultural commodities coupled with more irregular rainfall pattern and higher temperatures as a result of climate change, different types of water storage and allocation to agriculture will, however, continue to be critically important. The Workshop will explore the kind of innovations that may lead to improved efficiency in irrigation; the potential for an expansion of supplementary irrigation and the scale of investments that are needed in blue water management for food security in a context of multiple and competing uses.

International Commission on Irrigation and Drainage (ICID) is co-convenor of some of these sessions with UN-Water Decade Programme on Capacity Development (UNW-DPC), World Health Organization (WHO), Food and Agriculture Organisation of the United Nations (FAO), United Nations Environment Programme (UNEP), United Nations University Institute for Water, Environment and Health (UNU-INWEH), and International Water Management Institute (IWMI). Contact: Mr. Avinash C. Tyagi, Secretary General, ICID; e-mail: icid@icid.org

Agricultural Drainage Needs and Future Priorities

ICID's 11th International Drainage Workshop (IDW) is being organized by the Egyptian National Committee on Irrigation and Drainage (ENCID), from 23-27 September 2012 at Cairo, Egypt.

The main theme of the Workshop is "Agricultural Drainage Needs and Future Priorities". The workshop has five main topics with 28 subtopics for paper submission. The main topics are: (i) Planning and Design of Drainage Systems; (ii) Improvement of Drainage Technology and Techniques; (iii) Drainage Management; (iv) Environmental Aspects and Climatic Change; and (v) Research Development and Capacity Building.

Registration: Please hurry up and register before 22 August 2012 to avail the early bird registration fee of US dollar 500 for ICID members. The On-line registration is available at <http://encid.org.eg/nwrc/Registration.htm>.

Contacts: Prof. Dr. Mohamed Hassan Amer, ENCID Chairman, Tel. No.: (+2

ICID Opens its Doors to all Stakeholders in Irrigation

Established on 24 June, 1950, **International Commission on Irrigation and Drainage (ICID)** is a Scientific, Technical and Voluntary Not-for-profit Non-Governmental International Organization (NGO) headquartered in New Delhi, India. ICID carries out its activities through 110 participating countries spread all over the world.

ICID Mission is

To stimulate and promote the development and application of the arts, sciences and techniques of engineering, agriculture, economics, ecological and social sciences in managing water and land resources for irrigation, drainage, flood management, including research and development and capacity building for achieving sustainable irrigated agriculture.

Not just engineering

ICID works towards creating a synergy between land, agricultural and water policies, improvement of irrigation schemes, increased investment both from public and private sectors for expansion of irrigated area and modernization of infrastructures. ICID focus is not just limited to the engineering aspects of irrigation and drainage. Its technical workbodies deal with all aspects including agronomic, environmental and management of irrigation, drainage and flood management.

In tune with changing times

Recognizing that the benefit of science and technology can only be realized through innovation and moving with the changing times, ICID bring all stakeholders in its core activities under one umbrella. Thus, born the idea of granting membership in ICID through DIRECT MEMEBERSHIP to companies, institutions, individuals associated with irrigation, drainage and flood management for sustainable agriculture and rural development.

Providing all stakeholders a platform ...

By Joining ICID, individuals, companies and institutions working or concerned with irrigation, drainage and flood-related issues would:

1. **Be part of an international platform** which offers opportunities to exchange knowledge and experience with others and to establish partnerships.

2. **Make their voice heard** and contributing to improved understanding between stakeholders, while enabling new ideas on water policy to surface.

3. **Benefit from worldwide exposure** of their organization's activities by using the Commission's name, logo and communication tools and by participating in the Commission's activities.

4. **Stay informed** on recent irrigation, drainage and flood management news and events through Commission's publications.

5. **Influence policy makers** to develop sound irrigation-related policies and give it greater priority in the political agenda through the latest updates on upcoming water events, access to articles, posters and abstracts and papers from our series of ICID Congresses.

6. **Avail the opportunity** to engage in professional networking and information exchange activities through participation in National Committees and Regional Working Groups, and in international programmes and processes as representatives of ICID.

7. **Benefits from membership**, such as:

- a. receiving electronic copy of the ICID Journal on Irrigation and Drainage, Annual Report and ICID News free of cost¹
- b. in addition, receiving 2,4 and 6 copies of the ICID Journal on Irrigation and Drainage at 50 percent price based on the type of company or institution.
- c. special discount on all ICID publications;
- d. special advertisement rates in ICID publications, website, etc.; and
- e. special exhibition rates and registration fees during ICID events.

Contact: Dr. S.A. Kulkarni², Executive Secretary, ICID, New Delhi, India.

1. Except when hardcopies are requested, nominal charges plus postal charges will have to be paid.

2. Please contact Dr. Kulkarni at icid@icid.org for Direct Membership.

02) 44464505 / 010-16419861; E-mail: <encid@link.com.eg> The workshop website <<http://www.encid.org.eg/idw11>> provides more details.

Irrigation in a Changing Environment

The South African National Committee on Irrigation and Drainage (SANCID) will be organizing the SANCID 2012 Symposium during 20-23 November 2012 at Alpine Heath Resort, Drakensberg, South Africa. The theme of the Symposium is 'Irrigation in a Changing Environment'. The Symposium has the following four sub-themes, besides a special session:

- Humans at the forefront of watershed management
- Climate change and irrigation: Adaptation and resilience
- Impact of irrigation on natural resources and ecology and impact of the natural environment on irrigation
- Design and management responses to economic challenges

Special Session: Coping with change: Farmers' perspectives

For more information regarding the Symposium programme, please contact Michael van der Laan, Chairman of the Organizing Committee, E-mail: michael.vanderlaan@sugar.org.za; Tel: 076 793 3597

Call for Papers — 22nd ICID Congress on Irrigation and Drainage

ICID Congresses are held once in three years in any one of its member countries. The **22nd Congress of ICID** will be held during **14-20 September, 2014 at Gwangju Metropolitan City, South Korea**. The theme of the Congress is "**Securing Water for Food and Rural Community under Climate Change**".

During the Congress, papers are presented and discussed for two Questions, a Special Session, a Symposium, and numerous Workshops. For the Questions, authors can submit papers through their National ICID Committees. For the Special Session, Symposium and Seminar, only one paper per country can be submitted. The detailed 'Call for Papers' will be available shortly. The topics for the two Questions, Special Session and Symposium are:

Question 58: How Irrigation and Drainage play an important role in Climate Change Adaptation?

58.1: Understanding Impacts of Climate Change on Land and Water Use

For any additional information regarding Symposium arrangements (registration and accommodation), please contact Lalique Smit, E-mail: congress@internext.co.za, Tel: (051) 436 8145.

Online learning tutorial on "IWRM"

The increasing conviction of the reality of climate change provides a new impetus for reforming water management. The IWRM approach provides management instruments and tools for effective adaptation. For simple self-learning on IWRM and adaptation to climate change, Cap-Net, WMO/APFM, UNESCO-IHE and other partners have developed an online tutorial based on the training manual and facilitators guide "IWRM as a Tool for Adaptation to Climate Change".

The tutorial is intended to contribute to a better understanding of the use and effectiveness of application of IWRM concepts and principles when strategizing for climate change adaptations. The target audience includes water managers and high level officials responsible for developing adaptation strategies, besides academicians and students.

For more information, access their website at <http://www.thewaterchannel.tv/tutorial/index.html>

58.2: Revisiting Design and Operation Criteria for Irrigation and Drainage Facilities

58.3: Managing Frequent Floods and Droughts

Question 59: How do Irrigation and Drainage Interventions secure food production and livelihood for rural community?

59.1 Securing Water and Livelihood of Rural Community

59.2 Improving Irrigation Efficiency

59.3 Water Sharing and Water Transfer in Water Stressed Areas

Special Session: New Partnership for Rural Development

Symposium: Non-point Sources Pollution (NPS) and Best Management Practices (BMPs)

Contact: Dr. Vijay K. Labhsetwar, Director, ICID and Congress Coordinator (E-mail: icid@icid.org)

Obituary



It is with deep regrets that we place on record the sad and untimely demise of Vice President Hon. Prof. Qishun Zhang on 7th August 2012. Prof. Zhang was born in 1931, had a long experience of over 37 years in the field of research, design and construction related to irrigation, flood control and sedimentation. He had vast experience of the Irrigation and Drainage in the lower reach of Yellow river and had worked as an expert / team leader for several projects. He started his work with the China Institute of Water Resources and Hydropower Research (IWHR) as Engineer in 1958.

He was Vice President of ICID for the term 1997-2000 and Vice President of China Institute of Water Resources and Hydropower Research (IWHR) since January 1985. Prof. Zhang was a member of IWRA, China Society for Sustainable Development and Vice President and Secretary General of the Chinese National Committee of ICID (CNCID). He had been associated with several UNDP, EC and ADB projects and was an expert in joint team on flood control and river training projects in Brahmaputra River in Bangladesh. Prof. Zhang had published several technical papers in journals in China and abroad. Prof. Qishun Zhang's contribution and dedication to ICID are widely recognized in the ICID fraternity and will be long remembered. His valuable contribution as an outstanding professional in the field of research, design and construction related to irrigation, flood control and sedimentation are well-known.

At this time of great grief, ICID fraternity records its profound sympathy and heartfelt condolences to the bereaved family and to the members of the Chinese National Committee of ICID. May his soul rest in peace!

New Publication: Small-scale finance for water and sanitation

In the race to achieve the Millennium Development Goals (MDGs), the role of small-scale WATSAN (water and sanitation) providers is indispensable. However, as this report claims, there is little awareness or cohesion among external support agencies (ESAs), including EU donors, on the best way to increase financing for small-scale providers.

The objective of the report is to identify ways in which governments and ESAs can increase access to finance for small-scale WATSAN providers by channeling

public funding to support the market and leverage private sector financing. The ultimate objective in doing so is to increase access to services for poor households.

The report finds that households in developing countries invest more than donors or governments in water and sanitation services, but these investments are often 'sub-optimal' because of limited access to finance. WATSAN entrepreneurs, although providing critical services particularly for the poor, often find that their financing needs fall in the 'missing middle' (estimated roughly at between USD 2000 and 100,000). Limited access to financing is a key obstacle for small-scale finance recipients to deliver sustainable services.

The report has been developed as part of a component of the work programme of the European Union Water Initiative – Finance Working Group (EUWI-FWG). More publications by the EUWI-FWG are available at <http://www.gwptoolbox.org/index.php?option=com_content&view=article&id=111&Itemid=70>

IAH Canada 2012 Congress 40th Anniversary of IAH in Canada

The Canadian National Chapter of IAH will celebrate its 40th Anniversary of the formation of the International Association of Hydrogeologists in Canada by hosting the 39th IAH Congress in Niagara Falls, Canada, from 16-21 September 2012. The Congress will allow the world's hydro geological community to celebrate together.

The 2012 Congress will allow presentations on a wide variety of new and evolving hydro geological issue – (i) Energy and Climate Change; (ii) Groundwater Resource Analysis and Management; (iii) Groundwater / Surface Water Interaction (Ecohydrology); (iv) Groundwater Quality; (v) Karst Hydrogeology; and (vi) General Hydrogeology and Geotechniques.

More information is available at <<http://www.iah2012.org/index.php>> and <<http://www.iah2012.org/anniversary.php>>

News from ICID National Committees

CNCID (China)

New postal address of Dr. Gao Zhanyi, President, ICID, is:

China Institute of Water Resources and Hydropower Research, A1, Fuxing Road, Beijing 100038, China, Tel: +86-10-68781831, Fax: +86-10-68781153

New E-mail address of CNCID Secretariat

The new E-mail address of Chinese National Committee on Irrigation and Drainage (CNCID) is <cncid_office@sina.cn>

PANCID (Pakistan)

The new e-mail address of Vice President Hon. Engr. Dr. Illahi B. Shaikh (Former Chief Engineering Adviser and Chairman, Federal Flood Commission, Ministry of Water & Power) is <ibshaikh3@hotmail.com>

SANCID (South Africa)

The new postal address of Dr. Michael van der Laan (Secretary of Working Group on Environment) is University of Pretoria, Private Bag X20, Hatfield, Pretoria 0028, South Africa, Tel.: +27 12 420 3665; Fax +27 12 420-4120, E-mail: michael.vanderlaan@up.ac.za

Congratulations to Jain Irrigation

Jain Irrigation Systems Ltd (JISL), India's largest and world's second largest micro irrigation company has been declared a winner of the prestigious '**G20 Challenge on Inclusive Business Innovation**' award. The Company received this globally acclaimed honor at a high profile event at the G20 Leaders Summit held at Cabos, Mexico in June 2012. The G20 Challenge recognizes businesses that have succeeded in developing innovative, scalable and commercially viable inclusive business models that addresses the particular needs of people living at the base of pyramid. This is for the first time when 15 global companies from different fields have been awarded for their efforts

Global Water Framework

The 6th World Water Forum (WWF6) Organizing Committee and the international forum committee has recently presented the 'Global Water Framework' document as its final report. This report brings together the outcomes of various sessions held at WWF 6. The document can be accessed at <<http://www.worldwaterforum6.org/en/documentation/publications/>>

in inclusive business innovation. JISL has bagged the award for its contribution to the agricultural sector.

Readers may recall that Mr. Anil Jain, Managing Director of Jain Irrigation Systems Ltd. delivered a keynote on the occasion of ICID's 62nd Foundation Day celebration at New Delhi in 2011. In his address, Mr. Jain emphasized the need for boosting training and knowledge transfer to farmers through Farm Schools, Agricultural Science Centre, satellite communication and digital media in the operation and maintenance of micro irrigation systems, irrigation scheduling, supply of crop water requirement data to farmers for faster and successful implementation of the micro irrigation technology.

Please access <http://economictimes.indiatimes.com/news/news-by-company/corporate-trends/jain-irrigation-wins-g20-award/articleshow/14318318.cms> for more information.

Forthcoming Events

ICID Events

11th International Drainage Workshop (IDW), 23-27 September 2012, Cairo, Egypt. Contact: Prof. Dr. Mohamed Hassan Amer, ENCID Chairman (Egypt), E-mail: encid@link.com.eg, IDW website: <http://www.encid.org.eg/idw11>

ICID's 1st World Irrigation Forum (WIF), 29 September - 5 October 2013, Mardin, Turkey. Contact: Mrs. Serpil KOYLU, Turkish National Committee, ICID (TUCID), Delvet Mahallesi İnönü Bulvarı No. 16, 06100 Cankaya, Ankara, Turkey, Tel/Fax: + 90 312 425 4614, E-mail: tucid@dsi.gov.tr, serpil.koylu@dsi.gov.tr, Website: <http://www.icid2013.org>

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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