INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

ICID•CIID

NEWS UPDATE

Managing Water for Sustainable Agriculture | May 2013

From Secretary General's Desk...

Dear Friends,

The scale of the global sustainable development challenge is unprecedented. The post-2015 sustainable development goals for a greener growth are nudging the world to focus on the vital challenges of sustainable development. UN Sustainable Development Solutions Network (UN SDSN) launched by UN Secretary General Ban Ki Moon in August 2012 is expected to facilitate innovative ways to draw upon worldwide expertise through greater participatory decision making.

As Professor Jeffrey D. Sachs, Director of the Earth Institute and UN SDSN points out, sustainable agriculture through improved traits, agro-ecology, smart tillage, irrigation, micro dosing and ocean management will play a crucial role in sustainable development.

Irrigation and drainage managers have therefore tremendous responsibility to make agriculture water management that forms one of the main pillars of sustainable development more efficient and environmentally sustainable. At the high level dialogue organized on the occasion of IWMI's Board meeting in New Delhi earlier this month, Prof Johan Rockstrum underline the importance of recognizing and respecting a set of nine planetary boundaries within which humanity can continue to develop and thrive for generations to come.Two among these nine planetary boundaries are already transgressed.

The upcoming International Day for Biodiversity on 22nd May and the World Day to Combat Desertification on 17th June will provide opportunity to the water managers in general and irrigation managers in particular for further diversify our knowledge on the environmental services.

The challenge for irrigation today is to produce more with less water. An improvement of water use efficiency is therefore expected from the irrigation sector as a small percentage improvement in irrigation water use has the potential to release large quantities of water for other users. This goal can only be achieved through a high level performance and provision of irrigation services. Modernization of irrigation systems is, without doubt, one of the most promising strategies to meet these challenges. Active involvement of those being served in the decision making processes is equally important.

To improve the performance there is a huge need to modernize and rehabilitate the existing irrigation schemes. The 7th International Workshop on "Using 21st Century Technology to Better Manage Irrigation Water Supplies" organised by USCID last month highlighted these issues. It was pointed out that the multiple purposes of irrigation systems must be considered during the planning of modernization of irrigation schemes and new technologies on water management and water conservation have to be adopted with the implementation of modernization of irrigation systems.

In order to get the feedback that is so essential to get the complete buy in from the various stakeholders of irrigation and drainage scheme the First World Irrigation Forum scheduled from 29th Sept to 3rd October 2013 in Mardin, Turkey provides such an opportunity. The recommendations and inputs generated by interactions at the World Irrigation Forums would enable NCs to conceive sustainable solutions as part of their national plans and move towards provision of 'irrigation services'.

May I take the liberty of reminding you to make use of "Early Bird" registration opportunity till **1st July 2013** and avail the concessional registration fee.

Preparations for WIF1 are in full swing. We are expecting a number of Ministers, President WWC, DG of IWMI, representatives of the Water User Associations from Pakistan, Egypt, Turkey and many other countries. There has been an enthusiastic response to the World Irrigation and Drainage Prize 2013, nominations for which closed on 15th May 2013.

I take this opportunity to welcome our Malawian National Committee (MALCID) to IEC and congratulate them for reactivating the participation of MALCID in ICID. A word of appreciation for SARIA the regional irrigation outfit in Southern Africa will not be out of place for invigorating the NCs in the region.

This month we are introducing a new feature on our website. It is an exclusive section for the members of ICID. You must have received your passwords and explored the features therein. We are looking forward to your suggestions as to what features/documents you would like to see in your exclusive section.

With Regards,

Avinash C. Tyagi
Secretary General

WORLD IRRIGATION FORUM

'Early Bird' Registration

Hurry ! Save Money!! Register Now!!!

The **'Early Bird"** registration is now open for the **First World Irrigation Forum together with 64th International Executive Council (IEC) and its pre-council meetings** scheduled to be held during 29 September to 05 October 2013 at Mardin, Turkey.

'Early Bird' registration fees (on or before **01 July 2013**) for the participants are – (i) US$ 750 (Forum + Council meetings) and US$ 550 for WIF only; (ii) US$ 375 for Young Professionals (Forum +Council Meeting) and US$ 275 for WIF only. Other categories (daily registration, exhibitors, accompanying person and non members) of registration fee can be seen at the website.

Contact: The Secretariat, Turkish National Committee on Irrigation and Drainage (TUCID); ANKARA-TURKEY, E-mail: icid2013@dsi.gov.tr. Website: <www.worldirrigationforum.org>

ICID Members Login Only

Special access zone for 'Members ONLY" – a new source of information for ICID members! This new "Members ONLY Section" can be accessed by all Office Bearers, National Committee Members and Workbody members and Direct members of ICID. This section can also be directly accessed at **<http://www.icid.org/members_icid.php>** A **'Members Login"** button has also been placed on the Home Page for easy access.

Letters have already been issued to all members listing the procedure to access the member's only section. Just to refresh, after clicking 'Members Log In' icon, a 'Members Log In' page will appear. Your "User Name" is same as your e-mail ID registered with ICID Central Office. Getting password may appear slightly tricky but is simple. Click 'Forgot Password' and you will be prompted to enter your e-mail ID once again. Upon submitting your e-mail ID, you will receive an e-mail at your ID giving you your password. You are now ready to access the members' only section.

Now that you have accessed the members' only section and looked around the information available, please tell us as to what more you would like to see in these "Members ONLY" pages. The contents of the **"Members ONLY"** section will keep on evolving based on your requirements and feedback.

The COUNTDOWN Begins for WatSave Awards 2013

Countdown for the WatSave Awards 2013 has begun as the last date for nominations, **31st May 2013,** approaches closer. Nominations are invited for the 'WatSave awards 2013' from individuals/ team through National Committees/ Committee. The nominations sent directly to the Central Office, ICID cannot be entertained. The contact coordinates of the ICID National Committees/ Committee, the 'Nomination Form', 'Conditions and Criteria', and 'Check list' of the documents to be submitted are available at <http://www.icid.org/awards.html>. Just to remind, the WatSave awards are given in four categories: (i) Technology; (ii) Innovative Water Management; (iii) Young Professionals; and (iv) Farmer. The selection of the winners from amongst the nominations received will be made by an International Panel of Judges established by International Executive Council of ICID. The WatSave Award consists of a citation plaque along with a cash prize US $ 2000 each. The Turkish National Committee of ICID bags the honor of sponsoring the WatSave Awards 2013.

The awards will be presented at the 64th International Executive Council (IEC) meeting scheduled to be held on 5th October 2013 at Mardin, Turkey. For further information, please contact Dr. Vijay K. Labhsetwar, Director, ICID at Email: <icid@icid.org>.

Know your National Committees

"Human centric solutions achieved through team work".

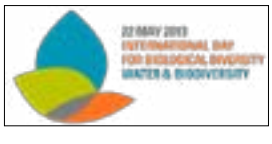
Mr. Akif OZKALDI, Director General of General Directorate of State Hydraulic Works (DSI), is Leader who works with his team of more than 20,000 personnel working at the Headquarters in 15 Departments and 26 Regional Directorates. He believes and practices the principle that "Human centric solutions achieved through team work". Mr Ozkaldi is engaged in solving the water problems and to improve the water management in Turkey and is the President of Turkish National Committee of ICID (TUCID). DSI working under the Ministry of Forestry and Water Affairs is the main governmental agency responsible for development of water resources all over Turkey.

Mr. Akif Ozkaldi, is closely involved in determining the implementation strategies of the DSI investment portfolios in all water related sectors such as agriculture (water storage facilities and irrigation canals), energy (hydroelectric power plants), environment (waste water treatment facilities and torrent control facilities) and services (drinking water treatment plants) in cooperation with the Ministry. He has provided leadership to regional development projects such as İstanbul Melen Water Supply Project, South-eastern Anatolian Project (GAP), Konya Plain Project (KOP) and East Anatolian Project (DAP).

Mr. OZKALDI, a graduate from Civil Engineering Department at Istanbul Technical University in 1986, he obtained MSc. from Irrigation Engineering Department at Utah State University (USA) in 1991. He was the Head of the DSI Project and Design Department from 2004-2007 and became the Deputy Director General and Vice President of TUCID from 2007-2011. He was the Turkish Representative on the Board of Governors of the World Water Council (WWC) during the same period. He serves as the National Focal Point of Turkey at the Euro-Mediterranean Information System (EMWIS) on know-how in the Water sector. Besides, under his dynamic leadership, DSI was pivotal in organizing a number of National and International Workshops, Meetings, Seminars and Conferences in the water sector such as 5th World Water Forum (WWF5) in 2009; 2nd Istanbul International Water Forum (IUSF) in 2011; Islamic Development Organization (OIC) Ministers meeting in 2012; D-8 Countries Water Cooperation Meeting in early 2013.

He took up the challenge of organizing ICID's inaugural 1st World Irrigation Forum (WIF) scheduled to be held during 29thSeptember - 5th October 2013 at Mardin, Turkey along with the 64th International Executive Council (IEC) Meeting at a very short notice. ICID congratulates Mr. Akif OZKALDI for the above achievements and looks forward to his continued involvement in the activities of ICID towards fulfilling the mission of ICID.

International Day for Biodiversity, 22 May 2013



The theme of this years' International Day for Biodiversity (22 May) is "Water and Biodiversity". The theme Water and Biodiversity was chosen to coincide with the United Nations designation of 2013 as the International Year of Water Cooperation. Water and Biodiversity is the theme for International Day for Biological Diversity (IDB) in 2013. Designation of IDB 2013 on the theme of water provides Parties to the Convention on Biological Diversity (CBD) and the public at large the opportunity to raise awareness about this vital issue, and to increase positive action. Read the notification. Coincidently, the period 2005-2015 is the International Decade for Action 'WATER FOR LIFE'.

The emphasis is looking at how biodiversity, which contributes to "environment", "ecosystem services", and "natural infrastructure", can help us manage water better. That is – how biodiversity influences water. It is not about how the "impact of water use on biodiversity" – although there are still significant problems with those impacts. Taking this approach CBD has just released a booklet on the topic which is illustrative and answers a number of questions that agriculture water managers face. It can be down loaded from: https://www.cbd.int/idb/2013/booklet/ .

World Day to Combat Desertification, 17 June 2013

Freshwater is valuable. Of all the water on Earth, only 2.5 per cent is freshwater. And of all this freshwater, the total usable supply for ecosystems and humans is less than 1 per cent. When demand for water exceeds available supply, it results in water scarcity. Dry lands are particularly vulnerable to water scarcity. The projected intensification of freshwater scarcity will cause greater stresses in dry lands. While each person needs at least 2,000 cubic meters of water for human well-being, the people in the dry lands have access to only 1,300 cubic meters. This led to the theme "Drought and water scarcity" for the World Day to Combat Desertification 2013.

The goal of the World Day to Combat Desertification 2013 is to create awareness about the risks of drought and water scarcity in the dry lands and beyond, calling attention to the importance of sustaining healthy soils as part of post Rio+20 agenda, as well as the post-2015 sustainable development agenda.

This year's slogan, "Don't let our future dry up" calls for everyone to take action to promote preparedness and resilience to water scarcity, desertification and drought. The slogan embodies the message that we are all responsible for water and land conservation and sustainable use, and that there are solutions to these serious natural resource challenges. Land degradation does not have to threaten our future. For more information please access <http://

www.unccd.int/en/programmes/Event-and-campaigns /WDCD/WDCD2013/Pages/default.aspx?HighlightID=168>

Share with us know if you or your National Committee has organized an event to promote the preparedness and resilience to water scarcity, desertification and drought. We will be happy to provide due coverage to your activity in forthcoming News Updates.

Global Challenges and Local Solutions – A high level dialogue

In conjunction with the meeting of IWMI Board of Governors, IWMI organized a high level policy dialogue on water food and environmental security "Global Challenges and Local Solutions". This dialogue on 3rd May 2013 was held between the policy planners, secretaries and senior officers of Government of India and the members of the Board of the International Water Management Institute and the members of the steering committee of CGIAR Research Program on Water, Land and Ecosystems focused on the issues related to water sector as a whole vis a vis the global developments and the changes taking place elsewhere in the world. Professor Johan Rockstrom, Head of Stockholm Resilience Center summarized the dilemma that the world is facing today in the face of limiting natural resources. He pointed out that the research clearly indicates that there are a number of tipping points of which the development process has to be aware of and account for. He emphasized that sustainability should not be the goal but the entry point in any development process. Dr. Donald Blackmore, former CEO of the Murray Darling Basin Commission focused at the basin approach to development and how different models are being followed. Prof Mihir Shah Members Planning Commission and Rajesh Kumar, Chairman Central Water Commission and Chair of INCID took part in the discussions. Secretary General Avinash C. Tyagi who participated in the dialogue took the opportunity to meet Vice President Hon. Dr. Alain Vidal (France), Prof Charolette de Freiture, Chair NENCID and Dr. Seduto Pasquale and discussed issues of interest.

Take advantage of Irrigation and Drainage Online

The ICID Journal, Irrigation and Drainage is available online FREE via Wiley Online library for all ICID office bearers, work body chairs & members and national committees. **Volume 62.2, April 2013** is now available on the website. Click on **<http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1531-0361>** for direct access to the page for papers in this issue of Irrigation and Drainage.

Kick-off meeting of the WWF7

More than 200 representatives from the world water community participated in the Kick-off meeting of WWF7 held on 14-15 May 2013 at Daegu-Gyeongbuk, Republic of Korea. This two-day event was inaugurated by World Water Council President Ben Braga together with distinguished guests Mr. Seoung-hwan Suh, Minister of Land, Infrastructure and Transport of the Republic of Korea; Mr. Bum-il Kim, Mayor of Daegu;

Mr. Jung-moo Lee, Chair of National Committee for the 7th World Water Forum and Mr. Kwan-yong Kim, Governor of Gyeongbuk Province. Earlier, on 13 May, Mr. Hongwon Chung, Prime Minister of the Republic of Korea welcomed all the visiting dignitaries in a reception ceremony. Mr. Yong Jiao, Chinese Vice-Minister of Water Resources and representative of the Mayor of Marseille, Martine Vassal were also present.

The ICID contingent was led by President Dr. Gao Zhany (China) at the kick-off meeting. Other members were Vice President Prof. Tai-Cheol Kim (Korea), Vice President Dr. Hüseyin Gundogdu (Turkey), Vice President Hon. Prof. Victor Dukhovny (Uzbekistan) and Vice President Hon. Shinsuke Ota, Chairman of Task Force for ICID input to WWF7 besides several Chairmen of National Committees of ICID.

The 7th World Water Forum is expected to put the solutions emerged from the last Forum to its use/implementation. Apart from political, thematic and regional processes, the WWF7 will introduce science and technology processes. The guiding principles for WWF7 have been prepared for leading the four working processes – thematic, regional, political, and science and technology.

BoG meeting

Prior to Kick-off meeting, the World Water Council (WWC) also held its 49th Board of Governors (BoG) meeting on 12-13 May 2013 at Seoul. As a member of Board of Governors of President Dr. Gao Zhanyi represented ICID in the BoG..

President Gao and Mr. Akif Ozkaldi, President of Turkish National Committee of ICID (TUCID) from DSI Turkey introduced the ICID's new initiatives '1st World Irrigation Forum' (1st WIF) to the august gathering. Prof. Ben Braga, President of WWC accepted President Gao's invitation to participate in the 1st WIF, scheduled to be held on 29th September-03 October 2013 at Mardin in Turkey.

President Gao also participated in the 48th BoG meeting of WWC held during 1-2 February 2013 at in Marseille, France. During both these meetings of WWC, the development strategy of WWC was discussed vividly. Taking advantage of the occasion, President Gao highlighted the issues of water and water management for food production, food security, poverty alleviation and rural development. President Gao was later appointed as a member of the Steering Committee of Water and Food Security Project jointly supported by WWC and the Qatar National Food Security Programme (QNFSP).

News from ICID National Committees

Irrigation Australia Limited (IAL), Australia

Change of Guards at IAL

Irrigation Australia Limited (IAL) (incorporating Irrigation Australia's Committee on Irrigation and Drainage, IACID) has informed that Mr. Ian Moorhous and Mr. Duane Findley have taken over as new Chairman and Chief Executive Officer (CEO), respectively. The contact coordinates are as follows:

Mr. Ian Moorhouse, Chairman, Irrigation Australia Limited Board, P.O. Box 863,Mascot, NSW 1460, Australia. Tel: 03 5824 1866; E-mail :ianm56@iinet.net.au

Mr. Duane Findley, Chief Executive Officer, Irrigation Australia Limited (IAL), P.O. Box 863, Mascot, NSW 1460, Australia. Tel : +61 08 1300 949 891; E-mail :duane.findley@irrigation.org.au

ICID fraternity extends its warm welcome to both the new Chairman and CEO. We thank Mr. Peter Toome, Former Chairman and Mr. Ian Atkinson, Former Chief Executive Officer of IAL, respectively, for their valuable contributions to ICID.

ENCID (Egypt)

New e-mail address of Vice President Hon. Dr. Hussein El-Atfy is <hielatfy@arabwatercouncil.org>.

At present, VPH Dr. El-Atfy is the Acting Secretary General of Arab Water Council (AWC), Cairo, Egypt. His postal address is: Arab Water Council (AWC), 9 El-Mokhayam Al-Da'em St., Al-Hay Al-Sades, Nasr City, 11471, Cairo, Egypt. Tel Nos. : +2 02 2260 0312 (Direct); +2 02 2402 3276 / 53 - # 102, Fax: +2 02 2260 0218 and Website: www.arabwatercouncil.org

JNC-ICID (Japan)

The new e-mail address of Prof. Dr. Tsugihiro Watanabe (Vice-Chairman of ICID Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE) is <nabe@kais.kyoto-u.ac.jp>

MALCID (Malawi)

Hearty welcome to Malawi

We take great pleasure in welcoming Malawi National Committee on Irrigation and Drainage (MALCID) back into ICID's network of member countries. Our warmest felicitations and hearty congratulations to members of MALCID for their faith in ICID and willingness to contribute towards the mission of ICID. We appreciate the hard efforts of Mr. Winston Sataya, who was instrumental in reactivating the MALCID. The contact coordinates of Malawi National Committee on Irrigation and Drainage are :

Mr. Winston Sataya, Malawi National Committee on Irrigation and Drainage (MALCID), Deputy Director of Irrigation Services, Department of irrigation, Malawi, E-mail :winstonsataya@yahoo.co.uk

Warmest felicitations and hearty congratulations!

NENCID (Nepal)

Mr. Shiva Kumar Sharma will be the new Director General of Department of Irrigation, Nepal and in turn the Chairman of Nepal National Committee of ICID (NENCID) in place of Mr. Anil Kumar Pokharel. ICID fraternity extends its warm welcome to Mr. Sharma and looks forward to his active contributions in the activities of ICID.

Chairman, Nepal National Committee of ICID (NENCID), Director General, Department of Irrigation, C/o Nepal National Committee, ICID (NENCID), Deputy Director General, Deptt. of Irrigation (Irrigation Management Division)

Sinchai Bhawan, In front of St. Xavier's School, Jawalakhel,Lalitpur, Nepal, Tel: +977 1 537136; 537310; 527151/ Fax: +977 1-527985; 537169, E-mail: uttam-timilsina@live.com

We thank Mr. Anil Kumar Pokharel, Former Director General of Department of Irrigation and Chairman of Nepal National Committee of ICID (NENCID) for his active support and contributions to ICID.

CEYRD (Spain)

31st Spanish National Congress on Irrigation

The Spanish National Committee on Irrigation and Drainage (CERYD), together with the Spanish Association of Irrigation and Drainage (AERYD) will be organizing the 31st Spanish National Congress on Irrigation during 18-20 June 2013 at Orihuela (Alicante) in Spain.

The Technical Sessions during the Congress will be held on topics such as hydrology, crop water requirements, soil-water-plant relations, irrigation water quality, irrigation engineering, application methods and crops response, institutional water management, legal aspects, water rights, etc More than 65 papers have been accepted so far and about 150 delegates from Spain, Mexico and Argentina are expected to participate in the Congress. .

A special Round Table will be organized to present the Development of Orihuela (Irrigated Area in "Lower Segura Plain"). The Round Table is divided into four sessions: (i) History of the Plain Irrigation; (ii) Water resources availability; (iii) Modernization of irrigation structures, and; (iv) Effect of irrigation in the regional socio-economic development. To enrich the Congress, a Special Session on the theme "Present situation and safety of Irrigation Ponds in Spain", will also be held to stress the irreplaceable role of these structures for the regulation of irrigation systems along with the traditional exhibition of irrigation materials and equipments. More information of 31st Spanish National Congress on Irrigation is available at <http://www.aeryd.es>

ICID.UK (UK)

Water and the Green Economy

British National Committee of ICID (ICID.UK) will be hosting a one-day seminar on "Water and the Green Economy" on 8 November 2013 at Institution of Civil Engineers, London. This will be from an agricultural point of view. However, the interpretation of agriculture, water and the economy will be wide, and include the farm production, water conservation, productivity, the food chain, the private sector and consumer demand and behaviours. The term green economy implies economic growth alongside a decreasing consumption of natural capital - UNEP's working definition considers a green economy to be one which results in improved human well-being and social equity, while significantly reducing environmental risks and ecological scarcities. You may like to get in touch with Dr. Bruce Lankford, Chairman of ICID. UK, E-mail <b.lankford_at_uea.ac.uk> or click at <http://www.icid.org.uk/shownews.php?item=36> for more information.

USCID (USA)

Using 21st Century Technology to Better Manage Irrigation Water Supplies

President Dr. Gao Zhanyi (China) delivered a keynote speech upon invitation from the U.S. National Committee on Irrigation and Drainage (USCID) in their 7th International Workshop on 'Using 21st Century Technology to Better Manage Irrigation Water Supplies' held during 16-19 April 2013 at Phoenix, Arizona, USA. In his keynote on 'Water Management for Food Security and Multiple Purposes', he highlighted the huge need to modernize and rehabilitate the existing irrigation schemes. The age old traditional problems of irrigation infrastructures exist in many developing and the least developed countries. These problems lead to poor performance and low water use efficiency and water productivity in many irrigation schemes.

Presently many irrigation schemes, not only supply water for irrigation purpose, but also supply water to other sectors for various purposes, including supplying water for hydropower generation, for domestic uses, for industry, for tourism services besides fishery and ecological system. New technologies on water management and water conservation must be considered during the planning of modernization of irrigation schemes.

The workshop otherwise covered a wide range of technologies from farm scale to basin scale, from drip irrigation to remote sensing technology, from water use efficiency to water productivity. The technology and knowledge was discussed and shared for improvement of water management for achieving food security and sustainability. An exhibition on new technologies for irrigation water management was also held during the workshop.

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