



### From Secretary General's Desk...

Dear Friends,

Importance of irrigation and agriculture water management, under the increasing climate variability and looming water crisis is once again being realized. Every drop of water counts and ICID is committed to 'more crop per drop'. But managing water for sustainable agriculture and ensuring food and water security is not about counting drops alone, as each drop of water carries four distinct but inter-related attributes: the quantity, the quality, the time of its availability at a given place and the potential energy it carries with it. The last attribute underpins the nexus between water, land, food and energy.



Improved efficiency of water use in agriculture, the largest user of water, by providing due attention to all the four attributes, has the potential to help mitigate climate change, adapt to the global challenges and obviate conflicts between various users and uses. Water use efficiency is one of the contentious issues within agriculture water management that has eluded a consensus approach. Answers to what, why and how of water use efficiency depend on a variety of complexly intricate perspectives. The water use efficiency

canvass needs coherent approaches with multi-disciplinary inputs that require further research and innovations. Sharing his expertise with Indian water fraternity, VP Laurie Tollefson (CANCID), chaired a session directed at Research and Innovation for Increasing Water Use Efficiency at the 'India Water Week 2013' organized from 08-12 April 2013 at New Delhi, India with "Efficient Water Management: Challenges and Opportunities" as its theme.

The First World Irrigation Forum scheduled from 29 September – 3 October 2013 in Mardin, Turkey will also address this emerging challenge. Preparations for Forum are in full swing. All the authors have been informed of the status of their abstracts and they are now busy preparing full length papers. The last date for submitting 'short communication' is also drawing closer. The new website <http://www.worldirrigationforum.org> for World Irrigation Forum has been re-commissioned that provides all the latest information. It is time that National Committees take active part in disseminating to all their stakeholders the objectives of the World Irrigation Forums and encourage them to attend the Forum and make use of this opportunity to exchange experiences and good practices. May I suggest that all NCs and partner organizations establish a link to the First World Irrigation Forum website from their home pages.

The tentative program for the entire event that includes the World Irrigation Forum from 29th

September to 3rd October followed by (and partly overlapping) the meetings associated with 64th International Executive Council meeting on 5th October is also available on the website. Please finalize your itinerary keeping in view of the various events including technical tours that follow the IEC meeting. Most important information among others is registration and logistics. I encourage you to register before 1st July 2013 and avail yourself of the **Early Bird** benefits.

Last month we introduced a new feature in our NEWS UPDATE "Know your National Committees". Continuing the effort further, this month we present the Netherlands National Committee, headed by its new Chair Prof. Dr. Charlotte de Fraiture. At the same time, this month we are starting another new service for our members by creating exclusive 'Members ONLY pages' on our web site. Login procedure and related information have been e-mailed to all the members. We seek your feedback as to what all you would like to see in these Members ONLY pages.

Last but not the least, please do provide nominations for our World Irrigation and Drainage Prize and WatSave Awards.

Best regards,

Avinash C. Tyagi  
Secretary General

## The COUNTDOWN Begins Nominations for World Irrigation and Drainage Prize 2013

Countdown to the nominations for the WID Prize has begun as the last date for nominations, 15th May 2013 approaches closer. Nominations can be submitted by National Committees of ICID; Governments of ICID Member countries, International organizations and Non-governmental organizations / institution maintaining formal relations with ICID, especially those concerned with Irrigation and Drainage. The candidates nominated for this prize shall have made exceptionally significant contribution through innovations in the field of irrigation and drainage, fulfilling the criteria listed in the announcement.

The 'World Irrigation and Drainage Prize 2013' (WID Prize), a unique award instituted by the International Commission on Irrigation and Drainage (ICID), shall be awarded to recognise the work of dedicated professionals

and institutions who have actively contributed to the development of irrigation and drainage during the past 15 years. The award will be conferred upon an individual, a group of individuals or an institution.

The Prize (US\$10,000 in cash and a 'Citation Plaque') will be awarded during the triennial World Irrigation Forum. The Prize would be awarded by the President of ICID at an official ceremony to be held for the purpose in the presence of the participants of the First World Irrigation Forum scheduled from 29 September – 03 October, 2013 at Mardin, Turkey.

The prize winner(s) would be encouraged to give an acceptance speech/lecture on the subject relevant to the work for which the Prize has been awarded. More information is available at [http://www.icid.org/wid\\_prize.html](http://www.icid.org/wid_prize.html)

## First World Irrigation Forum 'Early Bird' Registration – Now open

'Online' and 'off-line (manual)' registrations are now open for the mega ICID event the First World Irrigation Forum (1st WIF) to be held in Turkey. First World Irrigation Forum together with 64th International Executive Council (IEC) and its pre-council meetings will be held during 29th September to 05th October 2013 at Mardin, Turkey. The main theme of the 1st World Irrigation Forum is "Irrigation and Drainage in a Changing World: Challenges and Opportunities for Global Food Security" with three sub-themes. In addition, other International Workshops, Special Sessions and Side events will be organized. Short communications would provide an opportunity to describe new/promising products (equipments,

software, models, management practices, institutional arrangements etc).

1st WIF is being organized in cooperation with the host Turkish National Committee of Irrigation and Drainage (TUCID) and in partnership with FAO, IWMI, ADB, World Bank, GWP, ICRISAT, IFPRI, AWC, ICARDA and ECB. The event will bring together all stakeholders in irrigation and drainage sectors, policymakers, experts, researchers, non-governmental members etc.

'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](mailto:icid2013@dsi.gov.tr). Website: [www.worldirrigationforum.org](http://www.worldirrigationforum.org)

## Efficient Water Management: Challenges and Opportunities

Increasing pressure on water from different sectors, decreasing per capita water availability and increasing variability due to climate change makes it obligatory on the agriculture sector to manage its water use more efficiently. Research and innovation in the increasing water use efficiency plays a crucial role in such an effort. Vice President Laurie C Tollefson chaired a session on "Research and Innovation for Increasing Water Use Efficiency" at the India Water Week on 11 April 2013 in New Delhi. Chairing the session, VP Laurie Tollefson, member CANCID who was on invitation from the organizers of the 'India Water Week' (IWW) from 08-12 April 2013 at New Delhi, India with Efficient Water Management: Challenges and Opportunities" as its theme, presented an in-depth analysis on the subject.

ICID was actively involved in the IWW-2013 with, SG Avinash. C Tyagi and SGH Mr M Gopalakrishnan involved as members of Technical Organizing Committee. SGH chaired the session titled 'Hydropower Generation – Impact on Environment', while SG Avinash C. Tyagi chaired the



With more than 20 years of experience in the field of agriculture water management including irrigation engineering and construction, research and project management, Prof. Dr. Charlotte de Fraiture (b. 1962) has been chosen the Chairperson of the Netherlands National Committee of ICID (NETHCID). She has a grounding in water economics, water pricing, global water supply and demand, water and biofuels, wastewater development, irrigation management, irrigation performance, participatory irrigation management and transfer. During her first five years (1990-1995), she was involved in implementation and management of irrigation and rural development project in Senegal and Nepal. Prof. Charlotte worked in International Water Management Institute (IWMI) from 1996 to 2011 and was based in Colombia, Sri Lanka, Ghana and Burkina Faso. She was also involved in several research projects leading to the development and application of the global water and food model which has been applied for global future scenarios on water, food and the environment as part of the Comprehensive Assessment on Water Management in Agriculture.

As a project leader of Agricultural Water Management (AWM) Solutions Project under the consortium of IFPRI, FAO, SEI, IDE and IWMI, she identified promising investment options in West Bengal, and Madhya Pradesh (India), Ethiopia, Zambia, Tanzania, Ghana and Burkina Faso and formulated business models for BMGF to engage in agricultural water management. Project leader of Agricultural Water Management in challenging contexts project, in Nepal, Sri Lanka, Ethiopia, Ghana and Burkina Faso, funded by IFAD, formulate guidance on how to design and implement context specific AWM projects in different institutional set-ups.

Besides research, she fulfilled several management tasks; being Head of Office of the West-Africa office, Theme Leader in Basin Water Management and Group Head of the

Panel Discussion on 'Technological Advances and Improvement in Water Use Efficiency' and spearheading a Brain storming session on "Increasing Water Use Efficiency – Case for Setting Aside Gains for Environmental Flow". For more information and the presentations please visit <http://www.indiawaterweek.in/html/download.html>.

While in New Delhi, Mr. Tollefson paid the first ever visit to the Central Office, after becoming the Vice President of ICID in June 2012 in Adelaide. The VP saw for himself the rehabilitation work – the deferred maintenance - undergoing at the Central Office building, taking advantage of

## Know your National Committees

International Water Management Institute. At present, she holds (since January 2012) the position of Professor of Hydraulic Engineering for Land and Water Development, Department of Water Engineering, UNESCO-IHE Delft, The Netherlands.

She obtained Ph.D in Civil Engineering - Water Resources Management (2003), M.A. in Economics (2002) from University of Colorado, Boulder, USA and MSc in Tropical Land and Water Management (1990) from Wageningen Agricultural University, The Netherlands. Some of the topics that she has researched include "The impact of volumetric water pricing on agricultural water use and farmer profit: A multi-scale modelling framework" submitted to University of Colorado, and Participatory irrigation design of a village irrigation scheme in Senegal, submitted to Wageningen Agricultural University, the Netherlands (1990)

A prolific writer, she has authored and co-authored numerous publications, book chapters and journal papers and has been involved in developing the training units in the field of water resources management and water scarcity; water use in agriculture: small and large scale irrigation; and rainwater harvesting. She was a Guest Editor (2009-2011) of two special issues of the Journal of Agricultural Water Management.

NETHCID has a widely representative membership of governmental, semi-governmental and private organizations, as well as learned societies and interested individuals involved in various facets of irrigation, drainage and flood management.

Over the years, NETHCID has continuously provided leadership to ICID through the active involvement of its members in various activities. Particularly, Prof. Bart Schultz has been active in the management of the affairs of ICID and gave directions over the years, as the President of ICID from September 1999 to July 2002.

ICID congratulates Prof. Dr. Charlotte de Fraiture for the above achievements. We look forward to her continued active involvement in the activities of ICID towards fulfilling the mission of ICID.

the reorganization opportunity just before re-releasing the office on rent. Professionals and staff extended a warm welcome to VP Tollefson. During the meeting with professionals and staff that followed, issues like reactivation of National Committees in Americas and reinvigorating AMRWG, position paper by WG-POVERTY, technical report of WG-CROP, framework for TF-Bio-energy papers, building renovations and issues related to financial health of ICID were discussed. VP Tollefson appreciated the dedicated services of the Central Office staff. He appreciated various new initiatives having been taken such as the e-Bulletin, re-organized ICID website, besides other endeavours appraised by the staff.

## Water Storage and Hydropower Development in Africa: Africa 2013

Importance of water storage in meeting the various demands for water, particularly due to increased variability, is beyond question. While various kinds of water storage mechanisms such as soil moisture, groundwater, ponds and tanks can meet the needs of agriculture water management, hydropower development requires medium to large storage structures to increase potential energy stored in water. An International Conference and Exhibition on the theme "Water Storage and Hydropower Development to Africa" titled Africa 2013 was organized by Aqua-Media International, in cooperation with International Commission on Large Dams (ICOLD) and Ethiopian Electric Power Corporation (EPCO), in partnership with ICID at African Union Congress Centre, Addis, Ethiopia from 16 to 18 April 2013.

Dr. Adama Sangare (Mali), Vice President, ICID and President of Malian National Committee of ICID (AMID) participated in the Africa 2013 and made a presentation on "Irrigation and Food Security Challenges in Africa" during Opening Plenary Session of the Conference. The session on "Multipurpose water storage facilities" with focus on irrigation and food security was of particular interest to ICID. More information is available at <[http://www.hydropowerdams.com/africa-2013.php?c\\_id=89](http://www.hydropowerdams.com/africa-2013.php?c_id=89)>

### Water Security and Water related Disaster Challenges

President Dr. Gao Zhanyi and Vice President Prechawit Chaiwat will be participating in the 2nd Asian Pacific Water Summit (2nd APWS) that will be held during 14-20 May 2013 at Chiang Mai, Thailand. The theme of the APWS is "Water Security and Water related Disaster Challenges: Leadership and Commitment". President Gao will be a panelist in the Focus Area Session on Economic, Food and Water Security, jointly organized by FAO, UNESCAP and other Lead Organizations during the Summit. VP Chaiwat will be participating with the Royal Irrigation Department in workshop on "Technology for water related disasters"

under subtheme 7. Please access their website at <<http://www.apwatersummit2.org>> for more information.

### The Importance of Irrigation in the New Water Management Planning

The 15th Conference of the National Federation of Spanish Federation of Irrigators' Communities (FENACORE) on 'The Importance of Irrigation in the New Water Management Planning' was held on 12 March 2013 in Spain. The conference was supported by CERYD (Spanish National Committee of ICID) members. Ms. Liana Ardiles, Director General of Water, Ministry of Agriculture, Food and Environment (MAGRAMA), Chaired the 'Opening Session' along with Mr. Andrés del Campo, President



of FENACORE and referred to the new Basin Management Plans in which the Government aims to join the interests of all stakeholders in order to achieve the common good and guarantee the water supply to all sectors, both in quality and quantity, and is committed to achieve a 'National Agreement on Water' to allow a new National Water Management Plan to be passed before the end of 2013.

Ms. Isabel García Tejerina, Secretary General of Agriculture and Food, Chaired the 'Closing Session' and in order to move forward in Water Management Planning, said that an effort shall be made to improve the irrigation water use efficiency and reduce its total consumption while keeping up the productivity and rural employment. She pointed out the need to consider irrigation water use together with other competing uses keeping in mind that irrigated agriculture consumes 65% of water. She looked forward to the Ministry of Agriculture

### 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 members and national committees.

Now available on the website is Volume 62.1, April 2013. Click on [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1531-0361](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1531-0361) for direct access to the page with the papers in this issue of Irrigation and Drainage.

for drafting a National Innovation Programme for the Food and Agriculture Industry.

### Winners of 2013 edition of UN-Water "Water for Life" Best Practices Award

3rd edition of the 'Water for Life' UN Water Best Practices Award focused on the topic "Water Cooperation" during the ceremony of World Water Day 2013 held on 22 March 2013 at Hague, The Netherlands. The purpose of the Annual Award is to promote efforts to fulfil international commitments made on water and water-related issues by 2015 through the recognition of outstanding best practices that can ensure the long term sustainable management of water resources and contribute to the achievements of internationally agreed goals and targets contained in the Millennium Development Goals (MDGs), Agenda 21 and the Johannesburg Plan of Implementation.

Category 1, best water management practices, has been awarded to a project implemented in the city of Kumamoto in Japan. Category 2, best participatory, communication, awareness-raising and education practice, has been awarded to the project "Water and sanitation for all" from the Republic of Moldova. Please click on: <<http://www.un.org/waterforlifedecade/waterforlifeaward.shtml>> for more information.

### New WWC Executive Director



The World Water Council (WWC) has appointed Mr. Henk Sterk as its new Executive Director. Mr. Sterk will take up his responsibilities with effect from 2nd May 2013 and will provide important leadership as the Council implements its strategic plan for the year 2013-2015. Mr. Sterk has vast experience in water management and expertise in political and technical issues which will come in good stead in his new role at the Council. Please access <<http://www.worldwatercouncil.org/>> for more information about the WWC and its events.

Many hearty congratulations to Mr. Henk Sterk.

### ICID Invites Nominations for the WatSave Awards 2013

Nominations are invited for the 'WatSave Awards 2013' from individuals / team through National Committees / Committee. Awards are given in four categories viz. **(i) Technology; (ii) Innovative Water Management; (iii) Young Professionals; and (iv) Farmer.** Entries for the nominations for the 2013 awards are now open.

The WatSave Awards will be presented during the 1st World Irrigation Forum (1st WIF) and 64th meeting of the International Executive Council (IEC) scheduled to be held during 29 September to 05 October 2013 at Mardin, Turkey.

The last date for the receipt of the entries through the National Committees, along with a completed 'Nomination Form' in the ICID Central Office, New Delhi, India, is **31st May 2013**. The nominations sent directly to the ICID Central Office will not be entertained. Please visit <<http://icid.org/awards.html>> for other details. For further information, please contact Dr. Vijay K. Labhsetwar, Director, ICID at E-mail : [icid@icid.org](mailto:icid@icid.org)

## National Committees Celebrate World Water Day

### Bangladesh (BANCID)

On 23 March 2013, the Bangladesh National Committee of ICID (BANCID) organized a Seminar on "International Year of Water Cooperation", the theme of the World Water Day - 2013. Eminent Water Experts and Engineers from different organizations, academicians, representatives from NGO's attended the Seminar. A Special supplement was published in the National Daily 'The Ittefaq'.

Mr. Shaik Altaf Ali, Senior Secretary, Ministry of Water Resources, Government of the People's Republic of Bangladesh was the Chief Guest while the seminar was chaired by Mr. Md. Azizul Haque, Director General, Bangladesh Water Development Board (BWDB) and Chairman, Bangladesh National Committee of ICID (BANCID).

Nine distinguished experts discussed the theme paper by Mr. Malik Fida A. Khan, Director, Climate Change Study Division, Center for Environmental and Geographic Information Services (CEGIS) under the Chairmanship of Mr. Md. Azizul Haque, Director General, Bangladesh Water Development Board (BWDB) and Chairman, BANCID.

Water is a scarce resource with high economic value. As such, its judicious use would have paramount importance and need to develop and manage the water resources of this region in an integrated and cooperative manner. Realizing the fact that the meaningful utilization of the water resources in this region through collaborative efforts would result in economic prosperity, peace and social harmony, and environmental sustainability of the region, a number of observations

### News from ICID National Committee

#### BANCID (Bangladesh)

Mr. Md. Azizul Haque will be the new Director General of Bangladesh Water Development Board (BWDB) and in turn the Chairman of Bangladesh National Committee of ICID (BANCID) in place of Mr. K.A.M. Shahiduzzaman. ICID fraternity extends its warm welcome to Mr. Md. Azizul Haque and looks forward to his active contributions in the activities of ICID. Mr. Haque's contact details are:

Director General (DG), Bangladesh Water Development Board (BWDB), Chairman, Bangladesh National Committee of ICID

and recommendations emerged from the Seminar: the constructive and meaningful dialogue with the neighboring countries in order to receive due shares of water of the common rivers and resolve all water related issues.

Readers may contact Mr. Md. Ahasan Ullah, Member-Secretary, BANCID (E-mail: jrbc@qubeemail.com.bd, jrcombd@gmail.com) for more information.

### Pakistan (PANCID)

Pakistan Engineering Congress, member of PANCID, celebrated the World Water Day on the theme "Water Cooperation" on 25 March 2013. During the event, Engr. Riaz Ahmad Khan, President of Pakistan



Engineering Congress delivered the Welcome Address. Dr. Ch. Mazhar Ali, Past President of Pakistan Engineering Congress was the Chief Guest. More than 16 technical papers were presented by leading Water Resources, Agriculture, Environmentalists and Irrigation Experts. Numerous engineers /Students from various colleges in Lahore participated in the program. The Chief Guest, at the conclusion of the event, distributed the Shields/Certificates amongst the Speakers.

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We thank Mr. K.A.M. Shahiduzzaman, Former Director General of BWDB for his active support and contributions to ICID.

#### JNC-ICID (Japan)

ICID fraternity extends its warm welcome to Mr. Kanehiko Shindo (Japan), who has become the new Secretary General of Japanese National Committee of ICID (JNC-ICID). The contact coordinates of Mr. Shindo are:

Japanese National Committee, ICID (JNC-ICID), Overseas Land Improvement Cooperation Office, Design Division, Rural Infrastructure Department, Rural Development Bureau, Ministry of Agriculture, Forestry and Fisheries, 1-2-1, Kasumigaseki, Chiyoda-Ku, Tokyo 100-8950, Japan. E-mail: jncid@nm.maff.go.jp

We thank you Mr. Nobuyoshi Fujiwara, Former Secretary General of JNC-ICID for his active support and contributions to ICID.

## Forthcoming Events

### ICID Events

**ICID's 1st World Irrigation Forum (WIF) and 64th IEC meeting, 29 September - 05 October 2013, Mardin, Turkey.** Contact: Mrs. Serpil KOYLU, Turkish National Committee, ICID (TUCID), Tel/Fax : + 90 312 425 4614, E-mail : tucid@dsi.gov.tr, serpil.koylu@dsi.gov.tr, Website: <http://www.icid2013.org>; [www.worldirrigationforum.org](http://www.worldirrigationforum.org)

**12th International Drainage Workshop (IDW), June 2014, St. Petersburg, Russia.** Contact: Ms. Irena G. Bondarik, Secretary General, National Committee of the Russian Federation on Irrigation and Drainage (RuCID), E-mail: [ibond@online.ru](mailto:ibond@online.ru), [rusiptrid@mail.ru](mailto:rusiptrid@mail.ru)

**22nd ICID Congress and 65th IEC, 14-20 September, 2014, at Gwangju Metropolitan City, Republic of Korea.** Contact: Ir. Hun Sun Lee, Korean National Committee on Irrigation and Drainage (KCID), E-mail: [kcidkr@gmail.com](mailto:kcidkr@gmail.com), [kcid@ekr.or.kr](mailto:kcid@ekr.or.kr), Website : : <http://www.icid2014.org>

### Other Events

**2013 Water for Food Conference, 5-8 May 2013 at the Cornhusker Marriott Hotel in Lincoln, Nebraska, USA.** All information is available at <http://waterforfood.nebraska.edu/wff2013>

**2nd Asian Pacific Water Summit (2nd APWS) on the theme "Water Security and Water related Disaster Challenges: Leadership and Commitment", 14-20 May 2013 at the International Convention and exhibition Centre at Chiang Mai, Thailand.** All information is available at <http://www.apwatersummit2.org>

**5th Delft Symposium on Water Sector Capacity Development titled "Developing Capacity from Rio to Reality - Who's Taking the Lead?" 29-31 May 2013 at UNESCO-IHE, Delft, The Netherlands.** All information is available at <http://www.unesco-ihe.org/About/News/5th-Delft-Symposium-on-Water-Sector-Capacity-Development-29-31-May-2013>

**2nd Asia-Netherlands Water Learning Week, 17-21 June 2013 at Delft, The Netherlands.** All information is available at <http://www.adb.org/news/events/2nd-asia-netherlands-water-learning-week?ref=sectors/water/events>

**XXXI National Irrigation Congress, 18-20 June 2013 at Orhuela (Alicante), Spain.** All information is available at <http://www.congresoriegos-aeryd.org/>

**1st Inter-regional Conference on Land and Water Challenges entitled "Water, Environment and Agriculture: Challenges for Sustainable Development", 10-14 September 2013 at Bari, Italy.** All information is available at <http://www.landandwater2013.iamb.it>

**3rd Annual World Congress of Agriculture, 23-25, September 2013 at Hangzhou, China.** All information is available at <http://www.bitconferences.com/wca2013/>

## INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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