

**From Secretary General's Desk...**

Dear Colleagues,

24th June marks the day for the establishment of International Commission on Irrigation and Drainage. Coming Monday, the 24th June 2013, ICID will be completing 63 years of its establishment. It is important that we keep this day in our remembrance by organizing technical events or Annual meetings around this day. We will be happy to know and share as to how you remembered and celebrated this day.

ICID has come a long way in fulfilling its objectives but still has a long way to go as new challenges to Global Food Security are likely to emerge, reformed and reshaped with time, and the irrigation community will be called upon to tackle these challenges in a more resource constrained world. The opportunity to seek solutions to these challenges will be knocking soon in the form of the First World Irrigation Forum.

Preparations for the First World Irrigation Forum, scheduled from 29 September to 3 October in Mardin, Turkey, are moving on the right trajectory. TUCID, the host organization has been actively working with various sponsors to raise the required resources, to get the side events going, get the technical papers reviewed, rope in the national exhibitors and so on. More details are given inside.

We are thankful to our partners who are



enthusiastically working with us for the success of the Forum. So far the response to the Forum from various stakeholders has been great and encouraging. National Committees may like to get their national stakeholders involved and participate in this Forum to broaden their horizon of possible options to the emerging new and local challenges. The second meeting of the Steering Committee for WIF will take stock of the situation in the first week of July 2013. We look forward to your participation and hope you will be able to make up your mind early to take advantage of the Early Bird Registration.

The 2nd Asia-Pacific Water Summit (2nd APWS) on the theme "Water Security and Water-related Disaster Challenges", once again has highlighted the looming challenges which the increasing climate variability and climate change pose to the water security and potential for more frequent floods and drought related disasters. President Dr Gao Zhanyi, presented the Irrigation and Drainage perspective at the summit.

ICID is extremely happy to note that 2013 Stockholm Industry Water Award is being given to M/s Netafilm, one of the pioneering companies that have supported the irrigation community in better agricultural water management by providing innovative tools for "drip irrigation". ICID is privileged to have worked with them closely through its Working Group on On-Farm Irrigation Systems (WG-ON-FARM). We congratulate the management and staff of M/s Netafilm on this achievement and wish them well on the journey forward to make the world water secure.

The fact that both the food and water sector have recognized "micro-irrigation" as an important tool to achieve better water security

and increased food production with less water, sets a challenge for the irrigation community at large, and the ICID community in particular, to make this tool more widely applicable, even at the smallest of the farms, and ensure its sustainability. It may be recalled that 2012 World Food Prize had been awarded to Dr Daniel Hillel for his work on "micro-irrigation".

Digitisation along with the broader data transmission bandwidths are making it possible to digitise and disseminate all kinds of information including engineering drawings. This enables digitization and distribution of historical books, drawings, correspondence and other archive material more easily than ever.

This year Central Office has taken up digitization of all its Congress Transactions, IEC proceedings and other old publications / reports. Efforts have been made to digitize the records in searchable format so that they can be searched and accessed via ICID's Integrated Library Management System (ILMS). This development will have a significant impact on the research in irrigation and drainage history and benefits beyond those who could not make use of these publications by physically visiting the Central Office technical library. The existing ILMS also incorporates the earlier Text Delivery Services (TDS) provided by ICID since 2000.

We look forward to your feedback on the newly introduced ILMS and Members' exclusive web pages initiated last month.

Best regards,

Avinash C. Tyagi  
Secretary General

**World Irrigation Forum: A Glimpse of things to come**

If the attendance of more than 130 guests at the dinner meeting organized for the private sector and other governmental sectors of Turkey on 10 June 2013 is any gauge of the interest that the First World Irrigation Forum, has generated, courtesy Turkish National Commission on Irrigation and Drainage (TUCID), the Forum is going to be a great success. The aim of the meeting was to brief Turkish stakeholders about the developments of WIF1. The Chairman of TUCID, Mr. Akif OZKALDI delivered an opening speech and a brief about the significance of the Forum. Mr. Mustafa Eldemir, Deputy Secretary of Ministry Forestry and Water Affairs, Mr. Yakup Basoglu, the Head of National Organizing Committee, Dr. Huseyin Gundogdu, Vice President of ICID were among the Chief Guests.



# WORLD IRRIGATION FORUM

29 September - 03 October 2013, Mardin, Turkey

The WIF is organized in cooperation with the host Turkish National Committee on Irrigation and Drainage (TUCID) of ICID and in partnership with FAO, IWMI, GWP, ADB, IFPRI, IFAD, ICARDA, ICRISAT, Arab Water Council, WWC, World Bank, WMO, UNESCO-IHE, Institute for Water Education, etc.

With the main theme of “**Irrigation and drainage in a changing world: challenges and opportunities for global food security**” and three sub-themes: (1) Policy, Science and Society Interactions, (2) Challenges and Developments in Financing Irrigation and Drainage Sector and (3) Integrated Water Management Approaches for Sustainable Food Production, more than 40 oral and 100 poster presentations along with 20 Short Communications will be presented in numerous plenary and parallel sessions. Besides, there will be three international workshops addressing the themes such as ‘Water Wisdom and Sustainability’, ‘Developing Management Strategies for Coping with Drought and Water Scarcity’ and ‘Management of Water, Crops and Soils under Climate Change’.

The opening ceremony will be star studded with numerous Ministers from developing, developed and least developed countries together with international keynote speakers, such as Prof Roberto Lenton, Dr Jerney Bird, Dr Unver Olcay, Dr Irfan Aker and many representatives from international organizations in the Water and Food sectors during the plenary sessions.

Many International Organizations are schedule to organize Side Events related to the main theme of the forum providing opportunity for giving a closer at the issues such as modernization of irrigation systems, participatory irrigation management, filling generational knowledge gap in irrigation, and various tools that have the potential to meet the challenges. **WMO** through its side event on “Climate services to optimize irrigation use and improve farmer management in agriculture” will set out a mechanism to build links between the climate service providers in the region as well as countries and the irrigation managers. “Challenges and opportunities for global food security: Inter-generational knowledge transfer in the Agriculture Water Management sector” will be the focus of the side event organized by **IFAD**. “Participatory Irrigation Management” which is an important tool for institutional building has a chequered history and uncertain future. **JNC-ICID** will attempt to look at

the progress so far and how the future of PIM can be made more meaningful. “Use of remote sensing and GIS tools in the irrigation commands to assist planning and management” will be the focus of the side event organized by **IWMI**. “Investment in agricultural water management in Africa”, “Promoting sustainable water resource management in the Mesopotamia” and “Collaborative centres” by **FAO** are the key events not to be missed by irrigation enthusiasts around the world. Organization of Special Sessions, Panel Discussion, Film screening, Have Your Say and some Training activity will make the conference experience rich and rewarding.

Another first of its kind in the World Irrigation Sector is the institution of **First World Irrigation and Drainage Prize** consisting of a citation plaque and **US\$ 10000** in cash which will be presented to the winner during the Forum.

An Exhibition with the participation of manufacturers and suppliers from irrigation and drainage sectors is all set to be a success with only a few stall left for grabs will be held in conjunction with first WIF.

For more information about the programme, registration, accommodation, etc. please visit the Forum website <<http://www.worldirrigationforum.org/en/>>.

## ‘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 will 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](mailto:icid2013@dsi.gov.tr). Website: <[www.worldirrigationforum.org](http://www.worldirrigationforum.org)>

## Water Security and Water-related Disaster Challenges

The 2nd Asia-Pacific Water Summit (2nd APWS) on the theme “Water Security and Water-related Disaster Challenges” was successfully held during 16-20 May 2013 at the International Convention and exhibition Centre in Chiang Mai, Thailand. The four-day submit and related events concluded in the presence of 9 Heads of State and Government and 18 Ministerial-level representatives. More than 1000 delegates from 40 countries attended the Conference.



On behalf of ICID President Dr. Gao Zhanyi (China) attended the Summit as a Panelist in the Workshop on ‘Achieving Economic, Food and Water Security in the Asia Pacific: Key Challenges and Key Actions’ on 18 May 2013 and ‘Focus Area session on Economic, Food and Water Security’ on 19 May 2013, jointly organized by FAO and ESCAP. The objectives of workshops were to identify the key challenges and elements of a supportive framework for action to concurrently eliminate hunger in our life times and achieve economic and water security within an inclusive green growth strategy and develop key messages on economic, food and water security (EFWS).

During 2nd APWS, the Organizing Committee of the WWF7 also organized the 7th WWF – Kick off event on 17 May 2013. As member of Board of Governors of WWC, President Gao delivered a welcome speech in august presence of Prof. Ben Braga, President of WWC.

## Integrated Library Management System (ILMS)

Text Delivery System (TDS) maintained by ICID since 2000 acts as a virtual library for the benefit of irrigation and drainage professionals around the world. It stores difficult-to-obtain, low circulation reports and papers and makes them available free of cost. Special emphasis is given to grey literature, not covered under copyright restrictions.

The new and extended possibilities with the Internet technology, has now made

it possible to include graphics and text simultaneously. Taking advantage of the new technology, ICID is upgrading the TDS into an Integrated Library Management System (ILMS). The online database will be in addition to (1) Books and (2) Articles, includes (3) CD Computers, Journals, Maps, Video / DVDs etc. The entire ICID Technical Library Catalogue is also available in electronic format for online searching through keywords, author, and title etc. All the available grey literature is listed under Articles section and can be searched by using keywords, title, author, ISBN, ISSN, and publisher. Complete documents wherever available can be viewed / downloaded through the provided links.

When a requested document is not readily available online a "Request for Resources" link appears on the page and users can request for the document by providing name, e-mail address and country. If the document can be found it can be mailed within two working days, however, Central Office is making efforts to make all the available documents, articles for direct download free of charge.

### Celebrating 64th Foundation Day of ICID

International Commission on Irrigation and Drainage (ICID) will be celebrating its 64th Foundation Day on 24 June 2013. It is a matter of great pride for ICID fraternity spread across the globe to observe the '64th ICID Foundation Day'. It gives us the opportunity to re-dedicate ourselves to the mission of ICID. With this communication, we encourage all National Committees/Committee to commemorate the day as 'ICID Foundation Day'.

All National Committees/Committee are requested to celebrate the '64th Foundation Day of ICID' by organizing variety of events like scientific / professional meetings, brainstorming sessions, essay and drawing competitions to create awareness about the current hot issues on water and food security etc.

Please also provide a brief feedback on the celebration of the Foundation Day along with some high resolution pictures to the Central Office for its publicity in the forthcoming News Update.

### Stockholm Water Prize: 2013

Netafim, a leading provider of drip irrigation worldwide, was named winner of the 2013 Stockholm Industry Water Award. Globally, 70% of our finite freshwater is used for irrigation and with rapidly expanding demand for agricultural products there is a dire need to improve water productivity. This prize is the recognition

## Know your National Committees



The French Association for Water Irrigation and Drainage (AFEID), a non-profit organization is the French Committee of ICID. The Association has expertise on issues of water supply and development of rural areas and contributes to the debate on agricultural and environmental issues related to water through regular regional and national meetings and conferences.

Since 2008, Mr. François Brelle, a graduate from the Ecole Nationale Supérieure des Arts et Métiers in 1973 and post graduate from Centre des Hautes Etudes de la Construction in 1974 is the President of AFEID. He has more than 38 years professional experience in engineering of water projects related to irrigation, urban water supply, flood protection and urban drainage at the famous Société du canal de Provence (SCP), a public water utility in charge of hydraulic development, water resource management and water supply to agriculture and domestic use in rural areas, industries and cities (50 000 customers, 200 million m<sup>3</sup>/year). He has vast experience in design of hydraulic structures and has worked as a project manager for SCP in Sri Lanka, Haiti, Morocco and Mauritania, where he supervised numerous irrigation and urban hydraulic projects.

Mr. Brelle has particular interests in rehabilitation and modernization of irrigation systems, with a view to evaluate and improve the operation & maintenance (O & M) conditions and lays great emphasis on associated training requirements. He has also addressed institutional issues of water management, such as delegation of service and user associations. In 2010, he was appointed as Technical Director, in-charge of O & M of the entire hydraulic system operated by SCP. Since 2012 as Engineering Director, he manages a staff of 130 engineers and technicians, producing studies, providing work supervision, technical assistance and expertise either for SCP itself or for

external customers, public and private, in France and abroad. He is also the Vice Chair of the Evaluation Committee of the Water Cluster of Montpellier, and Member of the Scientific Committee of Montpellier Supagro High School.

Mr Brelle was elected as the Vice President of ICID for the term 2012-15 following the footsteps of eminent French experts like Dr. Alian Vidal, and Late Dr. Henri Tardieu, who have been strong supporters of the objects of ICID and have contributed immensely to the works of the Commission. Mr. Brelle was the Vice Chairman of ICID TF-WWF6 and has actively participated and contributed to the 6th World Water Forum (WWF6) held at Marseille in March 2012. He is a Member of PCSO, PCTA, PFC and TF-WWF7.

AEFID membership includes both the individual members as well as the corporate members and is governed through a Board of Directors and a General Assembly that takes place every year. A Technical Committee, appointed by the Board of Directors develops, manages and coordinates the actions decided by the Board of Directors, both at the national level and within the ICID. French experts representing AFEID currently participate in many ICID workbodies, annual conferences and contribute to various ICID publications including review of ICID Journal 'Irrigation and Drainage'.

AEFID has been providing support to the Central Office in meeting the organizations obligation of continuing French as the second official language by providing French translation for various articles, publications from time to time.

In the past, AFEID has hosted Congress in 1981, IEC meetings in 2003 and 1981, and Regional Conferences in 2011, 2003, 1971 and is keen to host the 66th IEC meeting in 2015 at Montpellier.

ICID congratulates AEFID for the above achievements and looks forward to the continued active involvement of AEFID and Vice President Brelle in the activities of ICID towards fulfilling its mission.

of the fact that irrigation has to play its role in overall integrated water resources management by reducing its consumptive use. Already, more than 10 million hectares of farmland are irrigated with drip irrigation, a technology pioneered by Netafim that dramatically improves water, energy and labour productivity. Netafim's remarkable achievements, helping farmers across the world to 'grow more with less', are directly contributing to a more water and food secure world.

Renowned sanitation innovator Dr. Peter Morgan was named the 2013 Stockholm

Water Prize Laureate. Dr. Peter Morgan has invented and advanced low-cost practical solutions to provide access to safe sanitation and clean water for millions of people worldwide.

The Stockholm Water Prize is the world's most prestigious prize honouring outstanding achievements in water-related activities. The prize is awarded annually to the most visionary individuals, institutions or organisations whose accomplishments contribute broadly to the conservation and protection of water resources and to the improved health of the planet's

inhabitants and ecosystems. Both prizes will be presented by the Stockholm International Water Institute (SIWI) during the 2013 World Water Week in Stockholm in September 2013. For more details, please access their website <[www.siwi.org/swp2013](http://www.siwi.org/swp2013)>

### UNESCO-IHE's e-learning Course

UNESCO-IHE offers e-learning course on "MSc in Water Science and Engineering – Advanced Water Management for Food Production" to the prospective students, scheduled to be held in October 2013 (duration 20 months) at University of Nebraska-Lincoln at Nebraska, USA and UNESCO-IHE Institute for Water Education at Delft, The Netherlands.

This program is unique and targets experienced international students who are interested in learning more about water resource identification and development, water allocation and distribution, about food production, plant-water interactions, and maximizing crop yield while minimizing water usage. Students who successfully complete this double degree program will be awarded two Masters Degrees: one from UNESCO-IHE and another from University of Nebraska-Lincoln (UNL). UNESCO-IHE is the MSc degree in Water Science and Engineering with a specialization in Land and Water Development. UNL will award the MS degree in Agricultural and Biological Systems Engineering, with a specialization in Advanced Water Management for Food Production. Further details of the course are available at the website <<http://www.unesco-ihe.org/Education/MSc-Programmes/MSc-in-Water-Science-and-Engineering/Advanced-Water-Management-for-Food-Production>>

### 'Direct Membership' of ICID

Individuals, businesses and organizations/institutions from countries that do not have a National Committee can now join ICID directly and receive the benefits of ICID membership. This new opportunity has great potential to enhance the working of ICID and hopefully will result in greater global exchanges of experiences and multidisciplinary innovations. Opening membership to such companies, institutions and individual, the 'Direct Membership' will widen the repertoire of knowledge and experiences within ICID and benefit all its stakeholders. The direct members would be able to receive:

- (i) Electronic version of the ICID Journal on Irrigation and Drainage, Annual Report, ICID News, and News Update free of cost,
- (ii) Extra copies of the ICID Journal on Irrigation and Drainage at concessional price based on the type of company or institution,
- (iii) Special discount on all ICID publications;
- (iv) Special advertisement rates in ICID publications and on website; and
- (v) Special exhibition rates and registration fees during ICID events.

Many individuals, institutions and companies have become DIRECT MEMBERS of ICID and already reaping the benefits.

For details of categories of Direct ICID Membership and procedure for application and subscription amount, etc., please access <[http://www.icid.org/dir\\_mem.html](http://www.icid.org/dir_mem.html)>. Alternately, you could contact Dr. S.A. Kulkarni, Executive Secretary, ICID at <[icid@icid.org](mailto:icid@icid.org)> and <[kulkarni@icid.org](mailto:kulkarni@icid.org)> for more information and/or clarifications, if any.

### Using IWRM for Climate Change Adaptation

The complex river basin system of the Nile basin is one of the most important ecosystems in Africa, hosting around 40% of the population. The nine countries of the Nile river basin share not only the world's longest river, but also the challenges arising from climate change, such as land degradation, extreme events such as floods, droughts, and reduced river flow. GWP Eastern Africa organized a regional training workshop on the use of IWRM as a tool for effective adaptation to climate change in Nairobi, Kenya on 29 April-2 May 2013, to strengthen the capacities of various actors in the basin.

The workshop underlined that "Climate change is not just rhetoric, but a real phenomenon, ever happening. Therefore, people need to adapt measures that minimize its negative impacts. One of these measures is to adopt IWRM process." Participants noted that due to dependence on natural ecosystem such as rain-fed agriculture alongside low adaptive mechanisms such as capacity gaps, "by 2015, around 480 million of people in Africa will face either water scarcity or stress due to climate change."

Trends of change in seasons, drought, floods, landslide escalations and cases of receding water levels for the lakes Victoria, Albert, Kyoga, Masinga Dam and lake Turkana were demonstrated to

indicate the existing linkages between climate change and water insecurity in Eastern African region. How the IWRM tool played an important role in resolving water related conflicts in Berki Water Catchment of Ethiopia was also presented as an example. The trigger for positive change in the Ethiopia's Berki River Basin was a two-year pilot Project 2006-2008 run by GWP Eastern Africa through the Ethiopia Country Water Partnership.

### Mr. Ian Makin (ADB) in New Delhi



Mr. Ian Makin, Principal Water Resources Specialist, Regional and Sustainable Development Department of Asian Development Bank, Philippines, during the visit to ICID Central Office on 31st May 2013 at New Delhi, discussed with Er. Avinash C. Tyagi, Secretary General and the professionals the progress on the preparation of First World Irrigation Forum in Mardin, Turkey in Sept - October 2013, Direct Membership (DM), and other mutually beneficial collaborative initiatives between the two institutions. Mr. Makin explained his efforts to get ADB joining ICID as an institutional member.

### News from ICID National Committees

#### NETHCID (The Netherlands)

The new e-mail address of Mr. Bert Pijpers (Treasurer of the Netherlands National ICID Committee, NETHCID) is <[bert.pijpers@duo-advies.nl](mailto:bert.pijpers@duo-advies.nl)>

#### ITAL-ICID (Italy)

Dr. Marco Arcieri will be the new Secretary General of Italian National Committee of ICID (ITAL-ICID) in place of Late Dr. Maria Elisab Scarascia. ICID fraternity extends its warm welcome to Dr. Arcieri and looks forward to his active contributions in the activities of ICID.

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