



From Secretary General's Desk...

Dear Colleagues,

The World leaders, through a UN General Assembly resolution last year, adopted 17 Sustainable Development Goals (SDGs) to take the world to the "Future we want". The seventeenth SDG rightly seeks to "Strengthen the means of implementation and revitalize the global partnership for sustainable development". It very appropriately lays emphasis on enhancing north-south, south-south and triangular regional and international cooperation on and access to science, technology and innovation and enhance knowledge sharing on mutually agreed terms.

ICID, over the years has used this cooperation and technology exchange mechanism to achieve its mission and objectives. In addition to sharing the technology and innovations at the annual working group meetings experts share their experiences through technical deliberations at the Congresses and specialized workshops. In addition various National Committees (NCs) have been making bilateral arrangements to collaborate on mutually interesting topics and exchanging technical visits among



their members. National Committees from China, Indonesia, Malaysia, Korea, Turkey and Iran are actively collaborating through various exchanges. The one such agreement has been inked between Korean National Committee on Irrigation and Drainage (KCID) and Iranian National Committee on Irrigation and Drainage (IRNCID) recently and reported herein.

Bilateral cooperation also includes the visit of technical expert teams. Detailed report of the visit of technical teams from Philippines National Committee (PNC-ICID) under the leadership of the Assistant Secretary to the President on Food Security and other issues is available in this issue. The team visited a couple of centers of excellence.

In the recent years through its International Research Program in Irrigation and Drainage (IRPID), with the establishment of two regional centers, one in Tehran and another in Beijing. Last week the Management Board took the decision to establish a mechanism to strengthen and support the coordination between various regional centers.

The Indian National Committee (INCSW), organized the 4th India Water Week (IWW) from 4-8 April 2016 at New Delhi, presented all the water sector stakeholders from within the country a platform to exchange information, experiences and concerns. Water professionals from various states participated in the India Water

Week. Central Office supported the NC in inviting some of the international experts to the Week and organized a couple of side events, particularly the India Irrigation Forum on the lines of World Irrigation Forum.

I am happy to inform that the preparations for the 2nd World Irrigation Forum are right on track. More than 300 abstracts have been received and are being reviewed. Most of the successful abstracts have been informed and the rest will be intimated about the acceptance of their abstracts within a couple of days. The teams preparing Background Papers are busy finalizing them. We are likely to close the receiving proposals for Side Events by this month end.

A number of NCs have informed and shared the activities undertaken by them during World Water Day with theme Water and Jobs. I thank them and encourage the other NCs to share the technical activities undertaken by them at national level, with other NCs.

The 4th African Regional Conference will be starting in the last week of this month at Aswan, Egypt. I wish the Conference a great success.

Best Regards,

Avinash C. Tyagi
Secretary General

High-Level Philippines Delegation Visits India

A Philippines delegation comprising eight officials from National Irrigation Administration (NIA) of the Republic of the Philippines and Philippines Embassy in India, under the leadership of H.E. Fredelita C. Guiza, Presidential Assistant for Food Security and Agri-mondernization, visited India from 1-4 April 2016.

The delegation held technical discussions with Er. G.S. Jha, Chairman of Indian National Committee and members of Central Water Commission (CWC), along with other technical experts. The two delegations exchanged the experiences in dealing with emerging challenges in water sector. Er. Florencio F Padernal, Chairman of PNC-ICID and Expert from



National Irrigation Administration (NIA) showed keen interest in the ways farmers were participating in the management of various irrigation systems. The delegation was informed of various arrangements, including legislative, in which different states within India were enabling its farmers in irrigation management.

The team visited the Central Office and had discussions with Vice President Er. A.B. Pandya, Secretary General Er. Avinash C. Tyagi and other officials of ICID on various recent initiatives taken, particularly the development of ICID Vision 2030; Heritage Irrigation Structures (HIS); establishment of Technical Support Unit (TSU); activities on Capacity Development and training etc. Secretary General informed the delegation about 2nd World Irrigation Forum (WIF2) to be held in November 2016 at Chiang Mai, Thailand, and invited the honorable Minister to the Ministerial Roundtable during the Forum. He urged the Chairman of PNC-ICID to sponsor experts from Philippines to participate in the Forum. The PNCID was requested to nominate experts

from NIA and other affiliated ministries to from Philippines to take active part in ICID work bodies/TFs etc.

ICID team escorted the Philippines delegation on a field visit to the Indo-Israel Centre for Excellence for Vegetables, at Gharanda, Karnal. The team witnessed the excellent extension work being undertaken by the center by providing seedlings to farmers and popularizing the modern tools of drip and micro-irrigation. The team visited Haryana Irrigation Research and Management Institute (HIRMI), Kurukshetra and were given a presentation on 'Overview



of the Haryana Irrigation System'. The team also visited Bhakra Irrigation Canal System, interlinking at Moonak head, that operates the inter-basin transfer of water and interacted with the Water User's

Associations in Haryana. The Minister also visited the Indo-Israel Centre for Horticulture at Ladwa.

On 4th April 2016, the delegation attended the 'Inaugural Function' of the 4th India Water Week 2016 and had the opportunity to interact with Union Minister of Water Resources and various government officials and stakeholders. The visiting team appreciated the opportunity to have been exposed to the variety of issues that India faces in the water sector.

Water for All: Striving Together

The 4th India Water Week (IWW) on the theme 'Water for All: Striving Together' was organized by Ministry of Water Resources, River Development & Ganga Rejuvenation in cooperation with a number of other ministries, expert organization and international partners from 4-8 April 2016 at New Delhi, India. IWW provided a platform for the stakeholders, professionals and experts from India and abroad for a multi-disciplinary dialogue and knowledge sharing for addressing the challenges in water sector on the issues related to management and effective use of water in : (a) agriculture and irrigation; (b) energy generation (hydro and thermal), industrial production and demand management; (c) water supply for rural and urban areas along with quality, quantity and re-cycling/regeneration issues; and (d) water quality management and strategies for recycle and reuse.

H.E. Uri Ariel, Agriculture Minister of Israel inaugurated Water Week along with Hon'ble Union Minister of Water Resources Sushri Uma Bharati; Union Finance Minister Shri Arun Jaitley; Union Agriculture Minister Shri Radha Mohan Singh; Union Environment Minister Shri Prakash Javadekar; and Chief Minister of Madhya Pradesh Shri Shivraj Singh Chouhan. During the IWW, as the partner country of the Water Week, Israel and India committed to collaborate in the area of water technology in the water sector. Live recording of the inaugural session can be seen at: <https://www.youtube.com/watch?v=f23qGFUx03A>

A large number of technical sessions Seminars, Brainstorming Sessions, Panel Discussions, Case Study including Side Events and Exhibition named as 'India Water Expo 2016' were as part of the 4th India Water Week.

The Valedictory Function of 4th India Water Week was attended by President

Pranab Mukherjee. In his address he called for undertaking a multi-disciplinary



approach to water management in the country, but stated that any strategy for efficient water management would remain incomplete without the active involvement of the community. Full version of the speech can be accessed at http://presidentofindia.nic.in/writereaddata/Portal/Speech/Document/510/1_Speech_at_Valedictory_Function.pdf.

First India Irrigation Forum (IIF1)

The First India Irrigation Forum (IIF1) was organized by ICID on 7th April 2016 as a Side Event during IWW. The theme of the Forum was "Innovative Techniques for Improving Water Use Efficiency (WUE) of Irrigation Systems and Farm Application".

The aim of the IIF was to provide platform for networking, interaction, exchanging experiences and sharing of knowledge amongst professionals engaged in agriculture water management which included staff of state irrigation department, experts from irrigation utilities, extension staff, professional bodies involved in area of



irrigation and water resources development, management and research, professionals of allied disciplines related to agriculture water management.

The management session was chaired Dr. Takashi Matsuo (ADB). A wide range of topics were presented, such as 'Overview of IIF and Welcome Address' by Er. Avinash C. Tyagi, Secretary General of ICID; 'Inaugural Address' by Dr. Madhav A. Chitale, Secretary General Hon., ICID; 'Innovative Techniques for Improving Water Use Efficiency (WUE) of Irrigation Systems and Farm Application' by Vice President Ian Makin and Theme Leader of Irrigation Modernization of IWMI; and 'Water Management Issues at the Farm Level' by Dr. Martin Burton (UK)..

Vice President Ian Makin chaired the Session II which includes presentations on 'Institutional Reforms in Maharashtra' by Dr. Suresh Kulkarni, Secretary of MWRR and former Executive Secretary of ICID; 'Status of Irrigation and Drainage Education in India' by Dr. Rama Raju, Ex-Engineer-in-Chief, Andhra Pradesh; and 'Water Users' Associations: Need for Institutional Strengthening' by Mr. Mohan Sharma, Development Support Center, Gujarat were presented.

Dr. Martin Burton (UK) chaired the Session III which includes presentations on 'Application of GIS and Remote Sensing in Irrigation and Drainage' by Ms. Jyotsna Chuchra Senior Research Analyst-Agriculture Division Geospatial Media and Communications Pvt. Ltd; 'Innovative Irrigation Technology towards improving irrigation efficiency in the field' by Dr. Yafit Cohen (Israel); 'Global experience in automation of irrigation systems' by Mr. Sumith Choy, Director of Rubiconwater, Australia; and 'Case Study-Closed pipe irrigation distribution systems implementation in Narmada command' by Dr. M.B. Joshi, General Manager (Technical), Sardar Sarovar Nigam, Gujarat were also presented.

Water Management: Learning from Ancient Wisdom and Traditional Practices



ICID organized a panel discussion on 'Water Management: Learning from Ancient Wisdom and Traditional Practices' on 05 April 2016 during the Water Week. Secretary General Er. Avinash Tyagi initiated the discussion with his presentation on ICID initiatives to recognize Heritage Irrigation Structures and Water System Heritage. Secretary General informed various steps taken by ICID to recognize the heritage irrigation structures and also informed about

the present "ICID Register on Heritage Irrigation Structures" maintained on ICID website http://www.icid.org/icid_his1.html consists of more than 25 structures.

The other distinguished speakers who participated in the sessions and presented their views on: "Water management practices in Tamil Nadu Cauvery Delta System" by Mr. S.S. Rajagopal, Ex-Director of State Water Resources Management Agency Tamil Nadu; "Traditional water management practices of Maharashtra" by Dr. D.M. More, Maharashtra; "Water management practices in Zimbabwe" by Eng. Israel Rwodzi, Water Supplies Operation Director, Zimbabwe National Water Authority; "Ancient irrigation systems of Karnataka" by Mr. M.G. Shivakumar Superintending Engineer, Karnataka Neeravari Nigam Limited (KNNL); "The Saga Krishna and Godavari Delta systems (KDS & GDS)" by Dr. Rama Raju, Ex. Engineer-in-Chief, Andhra Pradesh; "Relevance of traditional Indian methods

of water management in the present era" by Mr. Vivek P. Kapadia, Narmada, Water Resources, Water Supply and Kalpsar Department, Gujarat.

Besides, two Panel Discussions moderated by Secretary General Avinash Tyagi - Panel I: Need for capacity development of professionals and farmers engaged in agriculture water management; and Panel II: The way forward for India Irrigation Forum, were also held. The Panels discussed the capacity development needs of various stakeholders engaged in irrigation and drainage sectors at various levels and the existing mechanisms available in the country. The panels concluded that there was a need for a permanent mechanism to bring various stakeholders together in order to address the capacity development needs as well as to bring the experts from different disciplines and sectors to collaborate and address a number of decision making and policy issues.

WatSave Awards 2016 – Call for Nominations

Nominations are invited for the 'WatSave Awards 2016' from individuals/team through National Committees/ Committee latest by **30 June 2016**.

The WatSave Awards are given in four categories: (i) Technology; (ii) Innovative Water Management; (iii) Young Professional; and (iv) Farmers.

The award(s) is/are presented to an individual or a team for an innovation that contributes to water conservation / water saving for increasing the beneficial and/ or efficient use of water to develop and improve the sustainable use of the critical resource.

The nominations are routed through the National Committee (NC) in order to receive only one nomination per category per country after an initial scanning of the nominations for a sequential ordering based on merit and recommending only one. ICID member country can also support one nomination from a nonmember country.

NC can nominate newly developed works of previous WatSave Award winners provided it is for a different innovation. The nomination could come on behalf of an individual or a team of named individuals, but not from an organization itself. An entry or innovation once rejected for the WatSave award by ICID

should not be re-nominated, even under a different category.

In order for the Jury to adjudicate the awards, which are highly dependent on the actual application of the technology in the field, the nominating National Committee/ Committee has to play a crucial role since members of the Jury will often not have detailed first hand knowledge of the situation in a particular country, and thus would not be in a position to judge the realism of individual submissions.

NCs should undertake initial screening of the nominations, through a broad based National Screening Committee for WatSave Awards against the criterion laid down in this Scheme, and in the process recommending them, authenticating the research, the application cited in the nominated work and ensure that the nomination is for the original work carried out by the authors.

The awards will be presented at the 67th International Executive Council (IEC) meeting scheduled to be held during November 2016 at Chiang Mai, Thailand. The last date for receipt of the entries from NCs along with a completed 'Nomination Form' etc. to the ICID Central Office, New Delhi is 30 June 2016. For more information, please visit http://www.icid.org/ws_scheme.pdf

Virtual Management Board meeting



The First Meeting (1/2016) of Management Board (Virtual Meeting) was held on 29 March 2016. The meeting was attended by: President Dr. Saeed Nairizi, Chairman; and members Vice President Hon. Felix B. Reinders, Chairman, PCTA; Vice President Hon. Laurie C. Tollefson, Chairman, PFC; Vice President Hon. Dr. Huseyin Gundogdu, Chairman, PCSO; and Er. Avinash C. Tyagi, Secretary General as Member Secretary.

President Dr. Saeed Nairizi welcomed the participants and discussed some of the important issues which includes: To establish a mechanism to support the coordination between IRPID regional centers; Strengthening ICID membership network; Action plan to implement ICID Vision 2030; WIF2 preparation; Task Force for WWF8; Setting up of International Technical Advisory Committee (ITAC) for 23rd ICID Congress.

The 2nd World Irrigation Forum (WIF2), together with 67th International Executive Council (IEC) Meeting will be hosted by Thai National Committee on Irrigation and Drainage (THAICID) during 6-12 November 2016 at the beautiful Chiang Mai, Thailand and in partnership with FAO, IWMI, GWP, ADB, ICRISAT, WWC, AIT and 2iE.

With the main theme of “**Water management in a changing World: Role of Irrigation in Sustainable Food Production**” and three sub-themes are: (1) Key issues of irrigation and drainage in balancing water, food, energy and ecology; (2) Management of climatic extremes with focus on floods and droughts; and (3) Key and smart actions to alleviate hunger and poverty through irrigation and drainage covered in the Forum.

Extended Abstracts/Papers

The last date for submission of ‘Extended Abstracts’ expired on 31st March 2016. More than 300 papers were submitted for various sub-themes. Very soon authors will be receiving request to submit their full papers. The last date for submission of full papers is **15 June 2016**.

Short communication of maximum of 4 pages (A4 size) are invited focusing on New products, Innovations and Approaches to the Themes and Sub-themes of WIF2. EasyChair submission process is open for Short Communications till 15 April 2016.

The Guidelines for submission of the full papers can be accessed at http://worldirrigationforum.net/?page_id=18

‘Early Bird’ Registration – Now open

The registration is now open for the 2nd World Irrigation Forum (WIF2) and 67th International Executive Council (IEC) and its pre-council meetings. Potential participants can avail the ‘**Early Bird**’ benefits by **registering on or before 31st July 2016**. The applicable ‘Early Bird’ charges are – Full participation (i) USD 700 (Forum + Council meetings); and (ii) USD 500 for Forum only; **Young Professional¹/ Retired Professional²** (i) USD 350 (Forum + Council meetings); and (ii) USD 200 (Forum only); and (iii) Companion (i) USD 250 (Forum + Council meetings); and USD 150 (Forum only); (iv) **Daily Participation³**: USD 150; (v) Exhibitor : USD 550 (Forum only); and (v) Non-member countries: (i) USD 800 (Forum + Council meetings); (ii)

USD 600 (Forum only); (vi) Technical Tour: USD 100 per head per trip; and (v) **Student fee**: USD 200 for WIF participants only. For more information, please access http://worldirrigationforum.net/?page_id=384

Venue

The venue of the 2nd WIF and 67th IEC Meetings will be held at the International Convention and Exhibition Centre Commemoration His Majesty’s 7th Cycle Birthday Anniversary. It is located in Chang Phuak sub-district, Mueang district, the center covers an area of 521,600 m² and seat up to 10,000 participants. About three billion baht has been used to construct the center, which is a 10-minute drive from the city Chiang Mai. Various facilities will also be offered, such as WIFI internet, a first-aid room, ATM booths, etc. Please access http://worldirrigationforum.net/?page_id=19 for more information.

Please CONTACT:

2nd WIF and 67th IEC Secretariat: Dr. Somkiat Prajamwong, Secretary General of THAICID (Tel: +662 243 7883; Fax: +662 243 7883), E-mail: thaicid@hotmail.com; Website: <http://www.worldirrigationforum.net>

ICID Secretariat: Dr. Vijay K. Labhsetwar, Director, ICID, India. Tel: +91-11-26116837, +91-11-26115679, Fax: +91-11-26115962, E-mail: icid@icid.org, labhsetwar@icid.org, Website: <http://www.icid.org>

2nd World Irrigation and Drainage Prize 2016

ICID invites nominations for the **2nd ‘World Irrigation and Drainage Prize 2016’** (WID Prize) instituted to recognize the contributions made by an individual or an institution promoting sustainable irrigation and enhanced agriculture production around the world.

The World Irrigation Drainage Prize, a unique award instituted by ICID, is awarded to recognize 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 is conferred upon an individual, a group of individuals or an institution without any discrimination whatsoever on the grounds of nationality, religion, race, gender, age or political belief. The Prize that includes a cash award of US\$10,000 and a ‘Citation Plaque’ will be awarded during the 2nd World Irrigation Forum (WIF2) scheduled from 6-8 November 2016 at Chiang Mai, Thailand.

Nominations are invited for the 2nd WID Prize from National Committees of ICID; Governments of ICID Member countries; International organizations and Nongovernmental organizations / institution maintaining formal relations with ICID, especially those concerned with Irrigation and Drainage. Nominations must be submitted latest by 30 June 2016. The candidates nominated for this prize shall have made exceptionally significant contribution through innovations in the field of irrigation and drainage by way of (a) research, (b) management, (c) technical services, (d) advocacy, (e) operationalization of innovations and (f) sensitization of decision makers and public; resulting in increased agriculture production, at national, regional and/ or international level.

The prize winner(s) would be encouraged to give an acceptance speech/lecture on the subject relevant to the work for which the Prize is awarded. More information, including the detailed procedure for nomination and other conditions and criterion for awarding the Prize can be accessed at http://www.icid.org/wid_sel_proc_n_criteria.pdf

Venue



- 1 To be eligible for the young professionals rate (the person should be less than 40 years as on date of commencement of the event), young professionals are required to upload copy of their passport.
- 2 To be eligible for the retired professional rate (older than 65 years of age as on date of commencement of the event) retired professionals are required to upload copy of their passport.
- 3 This fee is applicable for those who will attend the Forum only one day.

Innovation Towards Water Resources Security

A two-day Malaysia-Korea Seminar on Healthy River Basin was organised by Concrete Society of Malaysia in collaboration with National Hydraulic Research Institute of Malaysia (NHRIM) and the University of Seoul, Republic of Korea from 17-18 February 2016 in Kuala Lumpur, Malaysia. The theme for the seminar was "Innovative Towards Water Resources Security, Quality and Sustainability".

H.E. YB Dato Sri Dr. Haji Wan Junaidi Bin Tuanku Jaafar, Minister of Natural Resources and Environment was the Chief Guest at the Seminar. Several delegations from the Republic of Korea led by Prof. Dr. Won Yun-Hi, President of University of Seoul attended the seminar.

The objective of seminar was to provide a platform and opportunity for the



government, universities, private sectors and stakeholders, who involved directly in water research in Malaysia and Korea to share information, expertise, and experience and to exchange opinions. Three keynote speakers and twelve technical papers were presented by presenters from both countries in the seminar. The seminar was attended by 85 participants in which, 25 participants from

Korea and 60 participants from Malaysia were also attended.

The Hon'ble Minister launched the Malaysia Korea Water Research Association (MKWR) established upon the joint initiative of NAHRIM and the University of Seoul to promote exchange of information, expertise and technology between two countries in the field of river basin. At the same time, NAHRIM has also taken the opportunity to commercialise two innovation products i.e. NAHRIM Integrated Drainage System (NIDS) and NAHRIM Hydraulics Marker (NhM).

Please access <http://www.nahrim.gov.my/en/laporan-ringkas-malaysia-korea-seminar-on-healthy-river-basin-17-18-februari-2016.html> for more information.

Climate Services for the Third Pole Region

A three-day Regional Consultation on Climate Services for the Third Pole and other High Mountain Regions, was jointly organized by India Meteorological Department (IMD) and World Meteorological Organization (WMO), from 9-11 March 2016 at Holiday Inn Jaipur City Centre, Jaipur, Rajasthan, India. Secretary General Avinash Tyagi, attended the regional consultation representing the needs of climate information from the perspective of irrigation managers.

More than 50 experts from 12 countries (Afghanistan, Bangladesh, Bhutan, China, India, Kyrgyzstan, Mongolia, Myanmar, Nepal, Pakistan, Tajikistan and Uzbekistan) of 3rd Pole region, WMO, Geneva, RIMES Thailand, and experts from USA, Australia, Germany and other global and Indian Institutions attended the consultation. Eight Technical Sessions were held. The Third Pole regional consultation aimed to produce the following outcomes:

- Enhanced understanding of the needs for climate services in the following user sectors: agriculture and food security, water, health, disaster risk reduction and energy;
- Improved knowledge of the existing interface mechanisms and recommendations for improvements where needed;
- Clear understanding of capacity development needs to implement the GFCS at regional and national levels;
- Agreement on the necessary steps to develop a robust plan for the development of climate services for the Third Pole and other high mountain regions; and



- Strategic guidance on institutional arrangements, partnerships and processes required to operationalize the Global Framework for Climate Services (GFCS) at the regional and national level.

Dr. M. Rajeevan, Secretary of Ministry of Earth Sciences, as the Chief Guest, inaugurated the Session and emphasized the need for more observations, development of models with usable skills and partnership in 3rd Pole region. He deliberated on the programs under Ministry of Earth Sciences in the region and assured India's support in developing road map, setting priorities and sharing expertise in climate change and climate services.

Climate change poses a major challenge that requires identification of current status of capacity in the region, such as data generation, dissemination to users, information requirement, institutional mechanisms and probable impacts on different sectors. Dr. Laxman Singh Rathore, Director General of Meteorology, PR of India with WMO and Co-Vice Chair of

Inter-Governmental Board for Climate Services of WMO focused on capacity building needs and developing national and regional plans to operationalize climate services. In his welcome address made by Dr. S.D. Attri, DDGM, IMD, presented a holistic view of 3rd Pole region and its complexities, session details and expected outcomes. Dr. V. Grasso, GFCS Office, WMO gave detailed insight in to climate service requirements and challenges in the 3rd Pole region. Dr. R.K. Kolli, Chief of World Climate Applications and Services Division, WMO gave a holistic view of climate services in the world and over 3rd Pole in particular. He also presented WMO priorities and capacity building needs to make effective climate services.

A Concept Note of Regional Consultation on Climate Services for the Third Pole and the other High Mountain Regions is available at http://www.wmo.int/pages/prog/wcp/wcasp/meetings/documents/3rd-PoleStakeholdersConsultation2016_Concept_Note_Draft_.pdf

MoU between IRNCID and KCID

A Memorandum of Understanding (MoU) was signed between Iranian National Committee on Irrigation and Drainage (IRNCID) and Korean on Irrigation and Drainage on Irrigation and Drainage (KCID) on 28 February 2016 based on the promotion water cooperation on agricultural and rural development.

Mr. Mohammad Hajrasouliha, Senior Advisor to the Minister of Energy, I.R. Iran and Managing Director of Iran Water Resources Management Company (IWRM Co.) as IRNCID High Council Vice Chair & Mr. S. A. Assadollahi (Iran), Secretary General of Iranian National Committee on Irrigation and Drainage (IRNCID), and Vice President Bong Hoon Lee (Korea), President of Korean National Committee



on Irrigation and Drainage (KCID) and Ir. Jeon - Yong Ryu (Korea), Director General of Korea Rural Community Corporation (KRC) signed and exchanged the MoU at IRNCID Secretariat, Tehran. Iran. The MOU cover following activities: (a) Technical Cooperation on Water Resources Management in Agriculture

and Rural Development; (b) Technical Cooperation on Water and Agricultural Information and Communications Technologies; (c) Technical Cooperation on Development, Operation and Maintenance, of Groundwater and Monitoring System; (d)

Bilateral Exchange of Information and Technology, Studies and Researches on Irrigation and Drainage Scientific and Technical Development; and (e) Performing Technical visits from the capabilities of water and agricultural industries.

Water and Jobs

On the occasion of the World Water Day 2016 with the theme 'Water and Jobs' various National Committees organized technical activities which are presented herein.

India

On the occasion of the World Water Day, a panel discussion on '**Water Matters: Water for All**' was organized by Maharashtra Water Resources Regulatory Authority (MWRRA) at World Trade Centre (WTC), Mumbai, on 23 March 2016. Secretary General Avinash Tyagi was invited as a panelist to participate in the Panel Discussion on 'Water Matters: Water for All'.



Mr. Ravi B. Budhiraja, Chairman of Maharashtra Water Resources Regulatory Authority (MWRRA), in his welcome address highlighted the poor urban water management which poses the biggest threat to water security, discharging of untreated sewage water in to rivers and other water bodies. Dr. Mihir Shah, Former Member of the Planning Commission, Government of India who made the Keynote Address on 'Water Crisis in India: Key Challenges and Possible Solutions' and Mr. Nikhilesh Jha, Additional Secretary & Mission Director of National Water Mission, Govt. of India

delivered a Special Address on 'National Water Mission'.

Other panelists were Mrs. Malini Shankar, Additional Chief Secretary - Environment; Ms. Parineeta Dandekar, Associate Coordinator, South Asia Network on Dams, Rivers and People; and Mr. Suresh V. Sodal, Water Expert & Former Member of MWRRA. Access <https://www.wtca.org/locations/world-trade-center-mumbai/news/experts-raise-alarm-over-water-crisis> for more information about the World Water Day.

Bangladesh (BANCID)

Bangladesh National Committee of ICID (BANCID) organized a Seminar in Bangladesh University of Engineering and Technology (BUET), Dakha and in association with Ministry of Water Resources, Bangladesh Water Development Board (BWDB), Water Resources Planning Organization (WARPO), Institute of Water Modelling (IWM), Center for Environmental and Geographic Information Services (CEGIS), and Bangladesh Water Partnership (BWP). Barrister Anisul Islam Mahmud, Hon'ble Minister of Ministry of Water Resources, graced the occasion as Chief Guest while Dr. Zafar Ahmad Khan, Secretary was the Special Guest.

Keynote addresses on the theme "**Water and Jobs**" were delivered by Dr. Md. Abdul Matin, Professor, Department of Water Resources Engineering, BUET and Dr. K. Azharul Haq, President of BWP. Eminent water experts and engineers



from different government and non-government organizations, academicians, representatives from NGOs attended the seminar, chaired by Engr. Md. Masud Ahmed, Director General, BWDB and Chairman, BANCID. The Seminar discussed about coordinated, coherent policies and integrated management plans among the water related organizations for sustainable water resources development in Bangladesh. It was noted that there is need to save the Barind area of Northwest region of Bangladesh from desertification and overall environmental degradation and sustainable water resources management in the coastal region. It was emphasized that priority should be given for constructive and meaningful dialogue with the neighboring countries in order to receive Bangladesh's equitable shares of water of the common rivers. A special supplement was published in three well circulated national dailies. The following recommendations emerged from the seminar emphasized on:

- Implementation of Bangladesh Water Act.(20 13) for better water management;

- The need to explore potentials of surface water resources to increase food production instead of over exploitation of ground water;
- Strengthening the existing water related organizations through timely and need-based engagement of man-power as appropriate;
- Development of proper adaptation plan and management to address challenges of climate change induced impacts such as extreme;
- Implementation of Ganges Barrage Project should be taken up on an urgent basis to meaningfully utilize the water of the Ganges under the provision of the Ganges Water Treaty of 1996;
- Construction of Brahmaputra Barrage should be undertaken to provide irrigation water to regions of Bangladesh for sustainable water management; and
- Equitable sharing and integrated water resources management of the transboundary waters;

Malaysia (MANCID)

On 24th March 2016, Ministry of Natural Resources & Environment in partnership of UNESCO-IHP Malaysia, Ministry of Energy, Green Technology and Water, Department of Irrigation and Drainage organized the World Water Day at the Water Sport Complex, Putrajaya Malaysia. On behalf of Deputy Prime Minister, H.E. YB Dato Sri Dr. Haji Wan Junaidi Bin Tuanku Jaafar, Minister of Natural Resources and Environment inaugurated the event and focused on the importance of wise water consumption towards sustainable development of the country as well as preventing water scarcity in the future due to climate change.



In addition, the event included other activities such as water theme-based competition (e.g : Selfie Contest, Forum on Water Resources from Multi-Racial Perspective, Dialogue Programme, Talk-Show, Young Leaders Camp) followed by environmental and water exhibition by NGOs, public and private sectors and universities and interactive games.

Sudanese National Committee, ICID (SNCID)

Workshop on 'The Development of the Rahad Irrigation Scheme' was organized by the Water Management and Irrigation Institute (WMII) at University of Gezira, Sudan. More than 100 participants from various departments and institutions attended the workshop. The Commissioner of Al Fau Locality, the Director-General of Rahad Agricultural Corporation (RAC), the Dean of the Water Management and Irrigation Institute (WMII), the Director of the Agricultural Research Station (ARS) at Al Fau along with the irrigation and agricultural staff of the schemes, Directors of the local banks, a group of farmers, students, media and NGOs representatives participated in the workshop.

Director-General of Rahad Agricultural Corporation delivered the welcome address and appreciated the good gesture from WMII organized the World Water Day with the theme "Water and Jobs". The Commissioner of Al Fau, representing the Governor of Gedarif State, welcomed the Guests and highlighted the role of Rahad Scheme in the development of the area, creating job opportunities, delivering services - drinking water supply, electricity, and supporting the State programme in schools and medical services.

The Dean of WMII delivered expressed his satisfaction with the joint programme with RAC which reflected the involvement of the Gezira University in support of the agricultural production using research findings. During the workshop, Chair of the Farmers Union focused on cooperation with the management of the scheme to increase the agricultural production and achieve the national goals in securing food security.

Dr. Ahmed Mohamed Adam, Chairman of the Sudanese National Committee of ICID (SNCID) addressed the main topic of the workshop "Development of the Rahad Scheme" with an area of 126,000 ha. Dr. Adam made his PowerPoint presentation on the various components of the Scheme constructed in 1977. He presented various components Meina Pump Station, (11 units) on the Blue Nile R., the supply canal (81Km), Dinder siphon has passed the pumped water underneath Dinder R., main canal (101km), major canals (10 No.), minor canals (100 No.) and drainage system (12 collectors and 6 protection drains). He also focused on the productivity of the Scheme for the main crops, cotton, sorghum and groundnuts in the period from 1977 to 2007. Dr. Adam presented the components of the scheme which was rehabilitated in 2014 in phase 1 and financed by OBEC and Sudan Government (\$20m + \$5.0m). A large number of participants actively

participated in the open discussions and expressed their valuable comments and observations.

Pakistan National Committee on Irrigation Drainage (PANCID)

On 22 February 2016, a Technical Presentation on 'Use of Dredgers for De-silting of Canals' was organized by Pakistan National Committee on Irrigation and Drainage (PANCID) with the support of Government of Baluchistan and M/s. Better Engineered Solutions (BES) at Islamabad, Pakistan. Mr. Asjad Imtiaz Ali, Chairman of Pakistan National Committee on Irrigation and Drainage (PANCID) addressed the participants and expressed that they would have gained useful knowledge for use in their work of maintenance of huge canal system of the country. Mr. Javeed Iqbal Bokhary, Secretary and Dr. Qazi Tallat Mahmood Siddiqui from PANCID Secretariat also attended the technical presentation.

The presentation was delivered by Mr. Ryon Horton (USA), Vice-President of Innovative Material System (IMS) Dredger in the Conference Room of Office of Chief Engineering Adviser/Chairman, Federal Flood Commission, Islamabad, Pakistan. More than 30 experts from all over the country participated.



Mr. Ryon Horton explained the technical features and operational details of the dredgers by multimedia presentation. The current use of IMS Dredgers for de-silting of canals in India, Philippines, Malaysia, Indonesia and Mexico etc. were highlighted. It was highlighted that the Hydraulic dredging was considered more suitable for canals. These dredgers use hydraulic centrifugal pumps to provide dislodging and lifting force and remove the material in a liquid slurry form. During the event, a detailed question/answer session was conducted and shared their views about practicability of dredging. They also expressed their views about improvement and implementation of dredging in Pakistan context. The Commercial Counselor of US Embassy in Islamabad, Ms. Cheryl J. Dukelow also attended the presentation and explained various financing options available for import of the equipment.



News from ICID National Committees

ICACID (Australia)

Mr. Bryan Ward (Australia) has taken over as new Chief Executive Officer (CEO). The contact details are:

Chief Executive Officer
Irrigation Australia Limited (IAL)
(Incorporating ICACID)
12/56 Church Avenue MASCOT
NSW 2020, PO BOX 863 MASCOT
1460, Australia

Email : Bryan.ward@irrigation.org.au
Tel : 612 8335 4000, 612 8335 4040; Mob : 0437 557 808; and
Fax : (02) 8335 4099

ICID fraternity extends its warm welcome to Mr. Bryan Ward and expresses its thanks to Mr. Duane Findley, former Chief Executive Officer for his valuable contributions to ICID.

Irrigation – For prosperity and wellbeing

2016 Irrigation Australia International Conference and Exhibition will be held

from 24-26 May 2016 at the Melbourne Convention & Exhibition Centre, Victoria, Australia. Please visit Conference website <http://irrigationaustralia.com.au/conference/> for more information.

ABID (Brazil)

New e-mail IDs of Ing. Helvecio Mattana Saturnino, President of Brazilian National Committee of ICID (ABID) are: <abid.agriculturairrigada@gmail.com> and <helvecio.ms@gmail.com>

RuCID (Russia)

Mr. Daniil P. Putyatin (Russia) has taken over as new Chairman of RuCID. The contact details are:

Chairman of National Committee on Irrigation and Drainage of the Russian Federation (RuCID), \ Director, Department of Land Reclamation, Ministry of agriculture of the Russian Federation, 1/11, Orlikov per., 107139, Moscow, Russian Federation

Tel.: (495) 607-88-374, E-mail: d.putyatin@mel.mcx.ru, info@mel.mcx.ru, pr.depmel@mcx.ru, rucid@mail.ru

ICID fraternity extends its warm welcome to the Mr. Putyatin and expresses its thanks to Mr. Pavel V. Semenov, former Chairman of RuCID, for his valuable contributions to ICID.

CERYD (Spain)

34th Spanish National Congress on Irrigation

The Spanish National Committee on Irrigation and Drainage, together with the Spanish Association of Irrigation and Drainage (AERYD) will organise its 34th Spanish National Congress on Irrigation during 7-9 June 2016 at Sevilla, Spain. For more information, please access at www.congresorios-aeryd.org

USCID (USA)

A four-day USCID Water Management Conference titled "Water Shortages and Drought: From Challenges to Solutions" will be held from 17-20 May 2016 at the San Diego, California, USA. Please access <http://www.uscid.org/16caconf.html> for more information of the conference.

Forthcoming Events

ICID Events

4th African Regional Conference, 26 to 28 April 2016 at Cairo, Aswan City, Egypt with the main theme as "Agricultural Land and Water Management for Sustainability under Climate Variability". Refer www.encid.org.eg for more information.

2nd World Irrigation Forum (WIF2) and 67th IEC, 6-12 November 2016, Chiang Mai, Thailand with the theme 'Water management in a changing world: Role of Irrigation for sustainable food production'. E-mail: thaicid@hotmail.com; Website: <http://www.worldirrigationforum.net>

13th International Drainage Workshop (IDW), 4-7 March 2017, Ahwaz City, Iran with the theme 'Drainage and Environmental Sustainability'. Contact: Dr. S.A. Assadollahi, Secretary General, Iranian National Committee on Irrigation and Drainage (IRNCID), E-mail: irncid@gmail.com, Website: <http://www.irncid.org>

23rd ICID Congress and 68th IEC, 8-14 October 2017, Mexico City, Mexico with the theme 'Modernizing Irrigation and Drainage for a new Green Revolution'.

Contact: Dr. Luis Rendón Pimentel, President of MXCID, E-mail: info@icid2017.org; info@mxcid.org; Website: www.icid2017.org

Other Events

ICE Gerald Lacey Lecture 2016, London on the theme: "Irrigated Agriculture in the 21st Century – A Suitable Career Choice?" Speakers: Vice President Ian W Makin, Lead Specialist – Revitalizing Irrigation, IWMI, Colombo, and Mr. Simon Howarth, Chairman, Irrigation Water Forum Committee, Mott MacDonald Group. For more details please visit <<https://www.ice.org.uk/events/ice-gerald-lacey-lecture-2016-london#overview>>

USCID is organizing a Water Management Conference with the theme "Water Shortages and Drought: From Challenges to Solutions". from 17-20 May, 2016, San Diego, California. For more details please visit <<http://www.uscid.org/16caconf.html>>

2016 Irrigation Australia International Conference and Exhibition, 24-26 May, 2016 at the Melbourne Convention & Exhibition Centre, Victoria, Australia. For

details, visit <http://irrigationaustralia.com.au/conference>

Ninth International Dialogue on Water in Agriculture: 'Public-Private Partnership in Irrigation: experiences, benefits and risks', 1-2 June 2016 at Bonn, Germany. For details, visit: <http://www.die-gdi.de/veranstaltungen/public-private-partnerships-in-irrigation/>

European Water Association (EWA) Post-Conference on Water and Wastewater Management -Challenges in Cold Climate, 25-27 June at Spitzbergen, Norway. For details, visit: <http://www.ewa-wmcc2016.org/>

Stockholm World Water Week on the theme "Water and Sustainable Growth", 28 August – 02 September 2016 at Stockholm, Sweden. For details, visit <http://www.siwi.org/>

19th International River Symposium: Green Rivers of the World: Management for Shared Benefits, 12-14 September 2016 at New Delhi, India. For details, visit <http://riversymposium.com/>

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID)

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