



From Secretary General's Desk...



Dear Colleagues,

How close are we to Zero Hunger? Well not close enough, according to "The State of Food Security and Nutrition in the World, 2017" Report by FAO released earlier in March this year. After steadily declining for over a decade, global hunger appears to be on the rise. It is presently affecting 11 percent of the global population. At the same time the estimated number of people undernourished increased to 815 million in 2016. Food availability in many of the affected countries has resulted from reduced import capacity while access to food has deteriorated in part due to reduced fiscal potential to protect poor households against rising domestic food prices. These countries need to gain greater self-sufficiency in food in order to tide over global geo-political mishaps.

There is more than enough food produced in the world to feed everyone, yet these 815 million people go hungry. As reflected in Sustainable Development Goal 2, one of the greatest challenges the world faces is how to ensure that a growing global population has enough food to meet their nutritional needs. To feed another two billion people by 2050, food

production will need to increase by 50 percent globally. Increasing climate variability due to climate change requires the food production systems to be more resilient to the vagaries of the climate, both at local level as well as at global level.

Considering such a global scenario, ICID has reoriented its vision and direction and developed a Road Map to take its member National Committees on a path to "The Future We Want" and enable them to fulfil their national mandates in respect of food security through better agriculture water management. In order to align political powers behind the irrigation and drainage sector, during the 2nd World Irrigation Forum (WIF2), the participating Ministers had decided to establish a High Level Advisory Group (HLAG) on "Partnership for Agriculture Water Management". I am happy to inform that the first meeting of HLAG has been scheduled on 10 October 2017 wherein Ministers and high officials from more than 10 countries are participating.

The 23rd ICID Congress with the theme "Modernizing Irrigation and Drainage for a new Green Revolution" will start with the Congress Plenary on 8 October 2017, with "N D Gulhati Memorial Lecture" to be delivered by Dr. Felipe Areguin followed by General Reports on the two Questions 60, and 61. Detailed programme at a glance is made available inside this issue. Patrons are requested to please check the 'Daily Program' during the meeting that would be made available, for any updates.

The Road Map developed after intensive discussions over the past two years will be launched by President Dr. Saeed Nairizi during the Plenary Session of the 68th Meeting of the International Executive Council. The Council, scheduled for 14 October, apart from electing the

new President and three new Vice Presidents for the next three years, will be debating some very important issues that would help the network realize the ICID Vision 2030, such as: Financial sustainability of the ICID network; Monitoring mechanism for smooth implementation of the Road Map; Some constitutional changes required for implementation of the Road Map; Enhancing international cooperation; Strengthening NCs; New membership subscription formulae; and Appointment of a new Secretary General.

The Agenda Notes for the meetings associated with 68th IEC have already been sent to members and are also available for download from <<http://www.icid.org/agenda.html>>. I would like to remind ourselves that ICID remains committed to keep the carbon footprints of its events to a minimum and had therefore decided not to distribute hard copies of the Agenda at the meeting. Patrons are, therefore, requested to download the Agenda Notes from ICID website to their laptops/ tabs before they leave for Mexico and be on the lookout for the updated version of the Agenda during the meeting.

A couple of interesting Technical Tours have been arranged by the host National Committee which would give you a better picture of agriculture water management in Mexico. I look forward to see you all in the historical city of Mexico. Please arm yourself with a suitable Spanish Dictionary before you board the plane.

With Best Wishes

Avinash C. Tyagi
Secretary General

Webinar Highlights

Water Accounting in context of growing uncertainty (in Arabic)

Dr. Yasir A. Mohamed

Water scarcity has many implications, and it is possible that different reporting approaches, generally called Water Accounting systems, can be appropriate to addressing them. The Water Accounting + framework is a tool for quantifying and reporting the status of water resources at the basin or administrative unit level.

To elaborate more on the topic, ICID in coordination of the Webinars organized



on the topic on 3 April 2017 by Dr. Wim Bastiaanssen and 18 July 2017 by Dr Amgad Elmahdi (Australia) organized its seventh webinar. The first in Arabic on 5 September 2017 on the theme Water Accounting+ (قضايا المياه في ظل عدم اليقين). The webinar is a part of the World Water Council (WWC) initiative

on Water Accounting & Water for Food, especially for the Arab region.

Helmed by Dr. Yasir A. Mohamed, Director General of the Hydraulics Research Centre, HRC-Sudan along with Amani Alfara, FAO panelist, the webinar highlighted water scarcity in Middle East and North Africa and the status of water resources that are not systematically measured or reported due to absence of a reporting system. To cease the ongoing crisis, Water

Accounting (based on open access data) provides a methodology to collect data in a systematic manner. Recurrent water accounting information can timely inform all the stakeholders about the situation- better or worse.

Around 50 participants from all over the world participated. Ms Amani Alfarra from FAO, initiated the webinar with her opening remarks and a brief introduction. Dr. Amgad from Australia and VP Dr. Wahaba from Egypt were part of the panel. Dr. Yasir Mohamed introduced the Water Accounting concept, the multiple types of approach and the WA+ with examples for

better comprehension of the subject matter. He also discussed about better planning of water use in agriculture, thereby linking it to the issue of climate change preparedness.

The online discussion and the expert consultations aimed to consult a broad group of stakeholders – experts in the topic or people interested to learn more - to build a common understanding on “what is water accounting”, “how it can be done and used”, and gather evidence on why and how “water accounting” can help decision making and planning, and in particular, to manage water scarcity for a very demanding sector i.e. agriculture.

Through this webinar, ICID aims to introduce standardized water accounting procedures that quantify the watershed process, assess a safe level of exploitable water volume and fix the maximum amount of water that could be allocated/used by the irrigation sector.

For those who missed the webinar may access the ICID website for live recording info on the topic supported with presentations and collected resources.

For more info visit- http://www.icid.org/icid_webinars_past.html



Drought at the Focus of International Development Partners

Drought, a devastating natural hazard, affects a significant proportion of the global population, particularly those living in semi-arid and arid regions. Drought can also exacerbate social tensions and fuel civil unrest. The consequences for agricultural communities can be stark, often reversing gains in food security and poverty, hampering efforts to reach SDG1 and 2.

In recent years, the world has watched drought unfold in many countries, devastating the livelihoods of farmers across the continent. And recently in Somalia, it raises the spectre of famine.

Building on the momentum provided by the SDGs, the Paris Climate Agreement and recent efforts by UN Water, FAO, and others, to support national drought management policies, the COP13 event was held in Ordos, China from 6-16 September, 2017 on the theme Predict-Plan- Prepare: Stop Drought becoming a famine. The conference aimed to promote a proactive, integrated action to engage



stakeholders within and beyond the drought community.

Presented by the Global Framework on Water Scarcity (WASAG), the UNCCD event featured presentation highlighting the existing best practices drawn from different contexts, sharing of knowledge and promoting an integrated, holistic drought intervention.

The World Meteorological Organization and Global Water Partnership have joined with other partners to launch an online HelpDesk for the Integrated Drought Management Programme (IDMP) designed to provide tailored guidance

to drought-impacted populations around the world.

The HelpDesk is in line with the mission of IDMP to provide stakeholders with policy guidance, scientific information, and best practices for integrated drought management. With its “Ask” function and “Find” function, the HelpDesk enables stakeholders to contact experts directly for advice and access extensive collections of drought management knowledge.

The new HelpDesk was launched on the first day of the annual meeting of the IDMP Advisory and Management Committee, the Programme’s governing bodies. The launch coincides with in time for the COP13. It is based on the successful model of the Integrated Flood Management HelpDesk <<http://www.droughtmanagement.info/>> .



Global Framework on Water Scarcity in Agriculture

A showcase programme on the Global Framework on Water Scarcity in Agriculture by FAO was held on 27 August, 2017 in City Conference Centre, Stockholm. The event opened with welcome remarks from Mr. Torkil Jønrch Clausen, Chair of the Interim Steering Committee of the GFWS.



The Global Framework has been proposed to respond to the increasingly urgent issues of water scarcity. It seeks to catalyse international cooperation on water scarcity in agriculture in the context of climate change and growing competition for water resources. It is a call for partners from different sectors and backgrounds to join a concerted effort to support countries in achieving the food security and water-related targets of the 2030 Agenda for Sustainable Development.

The highlight of the event was a brainstorming session in the form of panel presentations on ‘why organizations joined the GFWS?’ The panelists included Mr. Jeremy Bird, DG, IWMI; Ms. Mariet Verhoeff-Cohen, Women for Water Partnership; Mr. Job Kleijn, Ministry of Foreign Affairs, The Netherlands; and Mr. Marco Arcieri, Secretary General ITAL-ICID, among others. Speaking on the Global Framework, Mr. Arcieri said that different

climatic conditions pose a challenge, but the network guarantees to stimulate and advise all nation governments irrespective of their location. He further added that, one of the added value of partnerships is that all are aware about water scarcity being a global problem, and therefore are more than committed to face the problem with a different criteria. The idea of framework is doing it in a collective way to address water scarcity with a holistic approach, for the result to be effective and productive.

The live interview is also made available on ICID Social Media (https://siwi-mediahub.creo.se/siwi-sofa/2017/global_framework_on_water_scarcity_in_agriculture).



MXCID all set to host 23rd International Congress on Irrigation and Drainage

8-14 October 2017, Mexico City

With less than a month left, the Mexican National Committee of ICID (MXCID) is all set to host the upcoming 23rd International Congress on Irrigation and Drainage and the 68th International Executive Council (IEC) meetings from 8-14 October 2017 in Mexico City, Mexico. The main theme of the Congress is “**Modernizing Irrigation and Drainage for a new Green Revolution**”.

The grand opening ceremony of the 23rd ICID Congress is scheduled on 9 October 2017 and is expected to be inaugurated by the Mexican President H.E. Enrique Peña Nieto, other Ministers and International dignitaries. An International Exhibition is also a part of the event organized by the host national committee.

During the Congress two questions will be discussed:

- Question 60:** Water Productivity: Revisiting the concepts in light of water, energy and food nexus; and
Question 61: State of knowledge of irrigation techniques and practicalities within given socio-economic settings.

The Congress website provides all information related to the event. The ‘Third Announcement’ for the 23rd Congress is available in pdf format for wider dissemination. Kindly visit: http://www.icid2017.org/third_announcement.html

HURRY! HURRY! HURRY! Register before online registration closes!!!

Online registration is still open for the 23rd ICID Congress, 68th IEC and its pre-Council meetings. For more visit - <http://www.icid2017.org/visitors/>

Only 2 days are left for Early Bird Registration

In case of any inconvenience with the registration process and/or accommodation, kindly contact: Mr. Gibran Zambrano; E-mail: <contacto@icid2017.org> with a copy to ICID

Programme

The programme itinerary for the 23rd ICID Congress and the 68th International Executive Council (IEC) is available on page 4 & 5. For detail, please visit- <http://www.icid2017.org/programme.html>

Venue

International Exhibition & Convention Center at World Trade Center (WTC),

Mexico City For more visit: http://www.icid2017.org/about_convention.html

Symposium

Theme: ‘**Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA**’. The symposium will take place from 11:00 - 17:00 hrs on 8 October 2017.

A representative from each respective country will make a presentation (10 mins duration) on the country paper during the symposium. The third session will have group discussions on three topics, namely (i) Legal Framework and organizational structure including WUA for Water Supply Services, (ii) Participatory Irrigation Management and Management Transfer - Approaches and condition for successful PIDM, and (iii) Public-Private-Partnership (PPPs) in irrigation and drainage operation and maintenance towards sustainable irrigated agricultural water management.

All country papers received will be included in post symposium proceedings after due editing and formatting. The authors would be approached for providing any additional information required, after the symposium.

Special Session

Theme: ‘**Irrigation Techniques for Reuse of Wastewater in Agriculture and its impact on Health and Environment**’.

The special session will be organized on 10 October 2017. Dr. Jaime Collado (Mexico) will preside as the Session Chairman. Experts from around the world, including Mexico will present their experiences in a three hour session. For further details please contact: Dr. Jamie Collado (Mexico), Session Chairman; E-mail ID: collado.jaime@gmail.com

Seminar

Theme: ‘**Water Use in Food Value Chains - A Challenge for a New Green Revolution?**’ jointly organized by FAO and ICID on 8 October 2017. Contact: Dr. Oclay Unver, Seminar Chairman, Dy. Director of Land & Water Division, FAO, Rome, Italy; E-mail: olcay.unver@fao.org.

Other Attractions/ Side Events

Technical Tours including visit to emblematic agricultural projects in Mexico for Congress participants.

Chinampas in Xochimilco: Learn all about the famous ancient Aztec floating farms, Chinampas, which are constructed by excavating lake sediments, and creating a system of islets separated by channels. For its historical and cultural value, in December 1984, the chinampa zone was declared by UNESCO, a Cultural Humanity Heritage and in 2004, Chinampa’s area was declared RAMSAR site by the convention on wetlands.

Duration 1 Day Tour – (9 am–6 pm); cost includes transportation, English-speaking guide, and lunch.

Irrigation District 023 San Juan del Río, Queretaro: is located in the central part of the country, in the zone known as “El Bajío”, which includes part of the states of Aguascalientes, Jalisco, Guanajuato and Queretaro. The tour will give a comprehensive understanding of the administration and operation of a typical Mexican irrigation district, including its hydraulic structures and farms.

Duration 2 Day Tour – cost includes ground transportation, English-speaking guide, Hotel.



International Workshop on Applications of Geosynthetics to Irrigation, Drainage & Agriculture

International Geosynthetics Society (IGS) Technical Committee on Hydraulic Applications will organize a Workshop on “Applications of Geosynthetics to Irrigation, Drainage and Agriculture”, on 8 October, 2017.

The Workshop is addressed to people interested in irrigation and drainage, with particular focus on applications in agriculture sector. Participants will get an opportunity to learn more about the principles of Geosynthetics application for irrigation canals, reservoirs, and flood management, covering the functions of water containment and barrier, water conveyance, reinforcement / stabilization, erosion control, and testing of Geosynthetics.

The workshop is organized with the aim of developing activities of mutual interest between the International Geosynthetics Society (IGS) and the International Commission on Irrigation and Drainage (ICID).

Coordinator: Timothy D. Stark; Chair of the Fabricated Geomembrane Institute, Professor and IGS North America BoD Member Email: tstark@illinois.edu

For more info, please visit the Congress website: <http://www.icid2017.org>



ICID-CIID

**International Commission on Irrigation and Drainage
23rd International Congress on Irrigation and Drainage**

8-10 October 2017, Mexico City, Mexico

PROGRAMME AT A GLANCE (Tentative)

16-09-2017

Date / 2017	07-Oct	08-Oct	09-Oct	10-Oct
Day / Hrs.	Saturday	Sunday	Monday	Tuesday
09.00-17.30	Registration	Registration / Exhibition Congress Plenary [OLMECA IV]	Registration / Exhibition Congress Question 60.1 [MIXTECA I]	Registration / Exhibition
09.00-11.00		M.D. Gulhati Memorial Lecture GR Presentation (Q. 60) GR Presentation (Q. 61)	Congress Question 61.1 [MIXTECA II] Congress Question 61.3 [TOLTECA II]	IEC Plenary [OLMECA IV]
11.00-11.30		HEALTH BREAK		
11.30-13.00		Symposium - I [TOLTECA I] IGS-Workshop - I [MIXTECA II] International Seminar - I [TOLTECA II]	OPENING CEREMONY [OLMECA IV]	Special Session -I [TOLTECA I]
13.00-14.00		LUNCH BREAK		High Level Advisory Group Meeting-I [TOLTECA II]
14.00-16.30		Symposium -II [TOLTECA I] IGS-Workshop-II [MIXTECA II] International Seminar-II [TOLTECA II] Orientation Meeting with YPs (14:00-14:30) [TAJIM & PETEN] Orientation Meeting with GRPEs (14:30-15:30) [UXIMAL & TULUM]	Congress Question 60.2 [MIXTECA I] Congress Question 61.2 [MIXTECA II] Congress Question 60.3 [TOLTECA II]	Special Session -II [TOLTECA I] High Level Advisory Group Meeting-II [TOLTECA II]
15.30-16.00		HEALTH BREAK		
16.00-17.30		Congress Question 60.1 [MIXTECA I] Congress Question 61.1 [MIXTECA II] Congress Question 61.3 [TOLTECA II] Symposium -III [TOLTECA I] Welcome Dinner [OLMECA IV]	Congress Question 60.2 [MIXTECA I] Congress Question 61.2 [MIXTECA II] Congress Question 60.3 [TOLTECA II]	Wrap-up of 23rd CID Congress [OLMECA IV] Congress Question 60 Congress Question 61 Congress Wrap-Up Australian Reception (by invitation) (19:30 Hrs.) [HEINEKEN]

Venue: World Trade Centre (WTC), Mexico City -- Room allocated shown in parenthesis []

- Registration /Exhibition
- Congress related meetings
- Symposium
- IGS-Workshop
- International Seminar
- IEC Plenary
- Special Session
- High Level Advisory Group Meeting
- Welcome Dinner



ICID-CID

International Commission on Irrigation and Drainage
68th International Executive Council (IEC) Meetings

7-14 October 2017, Mexico City, Mexico

PROGRAMME AT A GLANCE (Tentative)

16-09-2017

Date / Year	07-Oct	08-Oct	09-Oct	10-Oct	11-Oct	12-Oct	13-Oct	14-Oct
Day / Hrs.	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
09.00-17.00	Registration	Registration / Exhibition	Registration / Exhibition	Registration / Exhibition	Registration / Exhibition			
09.00-10.30				IEC Plenary (09:00-11:00) [OLMECA IV]	ASRWG-I [MIXTECA II] ERWG-I [PETEN] YP-PF-I [TULUM]	AMRWG-I [MIXTECA II] WG-IFM/CARM-I [TAJIN] WG-SONP-FARM-I [UXMAL] WG-CDTE-I [MIXTECA II]	PCTA [TOLTECA I] YP-Training Workshop [TOLTECA II]	IEC [PALENOQUE & MONTEALBAN]
10.30-11.00					HEALTH BREAK			
11.00-12.30				C-FRBP (11:30-13:00) [UXMAL]	ASRWG-II [MIXTECA II] ERWG-II [PETEN] YP-PF-II [TULUM]	AMRWG-II [MIXTECA II] WG-IFM/CARM-II [TAJIN] WG-SONP-FARM-II [UXMAL] WG-CDTE-II [MIXTECA II]	PCTA [TOLTECA I] YP-Training Workshop [TOLTECA II]	IEC [PALENOQUE & MONTEALBAN]
12.30-13.30					LUNCH BREAK			
13.30-15.00			PF (Session-I) (14:00-15:30) [TOLTECA I]	TF-MTD (14:00-15:30) [TAJIN]	C-CONGR-I [MIXTECA II] TF-VE-I [PETEN]	PCSO-I [TOLTECA I] EB-JOUR-I [MIXTECA II] WG-HST-I [PETEN] WG-WATER & CROP-I [TULUM]	PCTA [TOLTECA I] YP-Training Workshop [TOLTECA II]	IEC [PALENOQUE & MONTEALBAN]
15.00-15.30				MT-JOUR (14:00-15:30) [TULUM]	WG-CLIMATE-I [TULUM] WG-IDM-I [MIXTECA I]	HEALTH BREAK		
15.30-17.00	Staff Committee		PF (Session-II) (16:00-17:30) [TOLTECA I]		C-CONGR-II [MIXTECA II] TF-VE-II [PETEN] WG-CLIMATE-II [TULUM]	PCSO-II [TOLTECA I] EB-JOUR-II [MIXTECA II] WG-HST-II [PETEN] WG-WATER & CROP-II [TULUM]	PCTA [TOLTECA I] YP-Training Workshop [TOLTECA II]	IEC [PALENOQUE & MONTEALBAN]
17.00-18.30	Management Board - I (room not required)		Sub-Committee / Themes (17:30-19:00 hrs) [TAJIN]	Mtg. NCS - Office Bearers (17:30-19:00) [TOLTECA II]	OBC Meeting [MIXTECA II]	WG-WATER & CROP-II [TULUM]	YP-Training Workshop [TOLTECA II]	Closing Ceremony [PALENOQUE & MONTEALBAN]
19.00-21.00		Welcome Dinner [OLMECA IV]		Australian Reception (by invitation) (19:30 hrs) [REINERGA]		Indonesian Reception (by invitation)	Farwell Diner [OLMECA IV]	

Venue: World Trade Centre (WTC), Mexico City --- Room allocated shown in parenthesis []

Registration / Exhibition
SC & MB
Sub-Committee / Themes
IEC related meetings
MT-JOUR
Welcome Dinner

Strategy Themes
Bain
Schemes
On-Farm
Knowledge
Regional Meetings of WGs

Note: All WG meetings will be of 180 minutes duration unless otherwise mentioned. All technical / cultural tours will be organized after closing of the event

Review of Existing Membership Subscription Formulae

A Task Force had been set up to review the membership structure and annual membership subscription formulae, under the chairmanship of VPH Laurie Tollefson, Chairman, PFC. The TF has finalized its reports in two parts (i) financial sustainability of ICID and (ii) review of existing membership subscription formulae, which will be presented to PFC for its consideration and make recommendations to the 68th IEC meeting in Mexico City.

The Report of the Task Force has been sent to the National Committees to discuss the

TF recommendations within the National Committees and come up with their views to PFC for its considerations. The Task Force recommendations as per the meeting held on September 12, 2017 are as follows:

- Update the subscription formulae with various coefficients duly factoring the ad-hoc increases in the subscription from time to time during last 25 years (simply stating multiplying these coefficients with 1.45). The new proposed formulae also introduces an inflation factor using IMF/OECD global inflation data.

- TF also proposes that the latest (2016-17) Area Benefitted and the latest contribution to UN Budget by countries may be used in the formulae for determining the capacity to pay factor.
- TF suggests that the subscription should be updated every three years based on the latest inputs: the benefitted area, percent contribution to the UN Budget, and the accumulated inflation during the previous three years.



Winners Announced: WatSave Awards 2017

The WatSave Annual Award(s) instituted in 1997 by ICID is presented each year to recognize outstanding contributions to water conservation or water saving in agriculture. For the year 2017, ICID Central Office received 17 nominations in four categories i.e. 6 nominees for Technology, 5 nominees for Management Award, 3 for Young Professional Award and 3 for Farmer award. The nominations were received from 9 National Committees – Australia (IACID), Brazil (ABID), China (CNCID), Egypt (ENCID), Hungary (HUCID), India

(INCSW), Iran (IRNCID), Iraq (IRQCID), and Turkey (TUCID).

The Award given to individuals or a team of individuals are made in respect of actual realized savings and not for promising research results, plans and/ or good ideas/intentions to save water. Nominations for the awards are received through the National Committees of ICID through a call sent out at the beginning of every calendar year. The winners of ICID 2017 WatSave Awards under various categories are:

1 TECHNOLOGY AWARD: Chris Norman & Carl Walters (Australia)

2 MANAGEMENT AWARD: Wang Aiguo (China)

3 YOUNG PROFESSIONAL AWARD: Mahdi Sarai Tabrizi (Iran)

4 FARMER AWARD: Vijay Sharad Deshmukh (India)

The winners will be awarded during the 68th IEC Plenary in October, 2017 in Mexico City, Mexico.

ICID Annual Report 2016-17

ICID has published its Annual Report 2016-17 (for the period April 2016 - March 2017). The report presents a brief summary of activities and achievements during the period regarding National Committees (NCs), Direct Members, Working Groups,



Activities at Regional Level, Key ICID Events, Working Together with Partners, Rewarding Excellence, Dissemination and Communication, Capacity Development Activities, Financial Management and much more. Two copies of the Annual Report has been mailed to all the National Committees (NCs), Direct Members, Office-Bearers, and International Partner Organizations. An abridged version of the Annual Report will be made available soon. ICID Annual Report 2016-17 can now be accessed from the website: http://www.icid.org/ar_2016.pdf



UN-Water Stakeholder Dialogue

To adopt an integrated approach to SDG 6 reporting and, thereby, help policy-makers keep track of global progress, the SDG 6 Synthesis Report 2018 on Water and Sanitation is currently being developed and planned for publication in June 2018. The report will feed into the discussions of the High-Level Political Forum on Sustainable Development (HLPF) in-depth review of SDG 6 in July 2018 and enable the United Nations to speak with one voice. The UN-Water Stakeholder Dialogue invites participants to provide feedback on the structure and contents of the report and share their implementation experience.

FAO Publication Water Pollution from Agriculture: A Global Review

Water pollution is a global challenge that has increased in both developed and developing countries, undermining economic growth as well as the physical and environmental health of billions of people. Although global attention has focused primarily on water quantity, water-use efficiency and allocation issues, poor wastewater management has created serious water-quality problems in many parts of the world, worsening the water crisis. Global water scarcity is caused not only by the physical scarcity of the resource but also by the progressive deterioration of water quality in many countries, reducing the quantity of water that is safe to use. The 2030 Agenda for Sustainable Development acknowledges the importance of water quality and includes a specific water quality target in Sustainable Development Goal (SDG) 6. The 2030 Agenda for Sustainable Development is expected to strongly influence future policies and strategies and to ensure that the control of water pollution is elevated in international and national priorities.

For more visit: <https://programme.worldwaterweek.org/event/7661-water-pollution-from-agriculture-a-global-review>

ICID, CSIRO signs MoU on Basin Futures

Basin preferences is online tool being developed by Commonwealth Scientific and Industrial Organisation (CSIRO) that helps create various development scenarios in a river basin, particularly with scarce data availability. The tool mainly use data available in public domain and is capable of carrying out what if analysis for different development scenario. Results from the tools can be used by decision makers in taking most appropriate decisions for furthering scientific cooperation.

International Commission on Irrigation and Drainage (ICID) and the Commonwealth

Scientific and Industrial Organisation (CSIRO), Australia have entered into MOU on collaboration for development and promote the web based capacity development and planning tool 'Basin Futures' developed by CSIRO. The key focus will be to: encourage joint research and development activities in the development of Basin Futures, the web based water resource assessment and scenario planning product developed by CSIRO; investigate ways to collaborate on the development priorities in Basin Futures through product and technical

governance mechanisms; explore ways to jointly promote Basin Futures through case studies with ICID members; discuss how CSIRO may support the development of capacity within the ICID Technical Support Programme to assist ICID members in the use of the Basin Futures; explore how CSIRO could act as a partner in capacity building in basin planning, in particular through Basin Futures; and identify other areas of possible interest and collaboration.



IORA Conference: Making Water Secure & Sustainable

Water is one of the important thematic issues for sustainability and sectoral integration. Indian Ocean Rim Association (IORA) countries represent a region of the world that is likely to be most affected by the consequences of climate change, such as rising sea levels and warming ocean temperatures. Water is a promising area of cooperation and aligns well with the IORA's principles of equality, integrity, coexistence and mutual benefit. Water Resources measured both in terms of availability (e.g., adequacy, timeliness etc.) and quality (pollution, safe drinking water, salinity of coastal aquifers etc.) have impacted the lives and livelihoods of IORA countries.

To address the above issues, IORA hosted the 3rd Water Science Technology Core Group Workshop on the theme – 'Sustainable Development and Management of Water



Resources' on 5 September 2017 in New Delhi. The workshop brought together researchers, water professionals and experts to discuss the emerging challenges in water resource management, strategies to combat challenges and to strengthen regional efforts

for the sustainable use of water. The workshop offered an opportunity to highlight the cooperation needed for the blue economy at the regional scale on Water.

The aim of the conference was to initiate and facilitate a dialogue that promotes use of state-of-the-art tools, techniques and technologies for management of fresh water and wastewater as well as enhance capacity building in member countries.



Reviving Najafgarh lake key to stop flooding in Gurgaon

A workshop on 'Transforming the Najafgarh Basin' was held on 17 August, 2017 under the aegis of DLF Foundation in partnership with India Water Partnership and INTACH. The workshop aimed to develop a multi-stakeholder approach for the rejuvenation of Najafgarh Lake, that evacuates the flood water from the upper Sahibi Basin to Yamuna River through Najafgarh drain. Augmenting strategies for self-purification of drains and controlling the flooding situation in upper reaches of the Sahibi Basin Gurugram.

The Sahibi basin evacuating into the lake in highly urbanised. The Nafajgarh drain also passes through the heart of Delhi, the Capital City. The workshop witnessed



participation of various stakeholders - civil society groups, experts, govt. agencies-coming together to devise strategies to address the crisis in a holistic and sustainable manner.

The workshop witnessed interactive presentations which highlighted the critical

urban water scenario of Gurugram. Chaired by VPH Mr. Pandya, former Chairman of CWC, the presentations identified water logging and water contamination as the burning issue that needs immediate attention. The second session was chaired by Secretary General Avinash C. Tyagi, ICID that deliberated on means to revive the Najafgarh lake. Due to increasing urbanization, the Najafgarh Drain with lower reaches has converted into the largest sewage carrying drain in Delhi-NCR region. Participants emphasised the need for an integrated approach to transform the Najafgarh Lake.



2nd Meeting of ICID Young Professionals Forum

To encourage and promote high standards of professional development among young professionals from irrigation, drainage, and flood management, the ICID Young Professional's e-Forum (IYPeF) was established in 2015.

After the first meeting of IYPeF in November 2016 in Chiang Mai, IYPeF in 2017 organized five e-discussions and enabled the YPs to contribute their views on various topics:

1. Water-Food-Energy Nexus in a Changing World (Ms. Adey Mersha)
2. Gendered Impacts of Climate Change on Agriculture (Ms. Jakia Akter)
3. Opportunities and Challenges of Drainage Development (Dr. Mika Turunen)
4. Role of Irrigation in Food Security (Kathleen Heuvel)

Based on active participation and rich contribution to the discussions, 10 Young Professionals (YPs) have been selected and sponsored to join the 23rd Congress and 68th IEC meetings in Mexico City.

Two active IYPeF members have been elected as Joint-Coordinators replacing two out of six joint-coordinators elected last year. They are: 1. Ms. Eman Ragab (Egypt), and 2. Mr. M. Shoaib Saboor (Afghanistan).

News Buzz: News from National Committees (NCs)

IRQCID (Iraq)

HE Dr. Hassan Janabi, Iraqi Minister of Water Resources and his accompanying delegation during the World Water Week held in Stockholm, Sweden on 29 August, 2017, presented technical support for the countries sharing Tigris and Euphrates Rivers Basins (two main Rivers in Iraq). HE Dr. Janabi signed a Memorandum of Understanding (MoU) with Director Johan van Dijk of



IHE Delft to continue their cooperation for the next five years. IHE Delft will initially support the Ministry by assessing their needs in relation to development of staff expertise and performance improvement. The second step will be capacity building programmes. The MOU is aimed at improving water resources management in Iraq in an integrated manner with a special emphasis on water for agriculture.

PANCID (Pakistan)

The Secretariat recently organized the Annual Meeting of Pakistan National Committee on Irrigation and Drainage (PANCID) on 4 August, 2017, under the Chairmanship of newly appointed Chairman Mr. Ahmed Kamal. The meeting was regarding finalization of PANCID activities/delegations for their participation in the forthcoming 23rd International Congress on Irrigation

and Drainage and 68th IEC Meeting of ICID, Mexico to be held from 8-14 October, 2017. A One Year Business Plan for the Calendar Year 2018 was prepared for revitalizing the activities of PANCID at National and International level. PANCID Secretariat recently created its website as **www.pancid.org.pk**. The website was formally approved by the Chairman. The contribution was appreciated by the members and they assured their full support to make the website more interactive.

Mr. Asjad Imtiaz Ali, Ex-Chief Engineering Adviser/ Chairman Federal Flood Commission/Chairman PANCID and Mr. Javeed Iqbal Bokhary, Ex-Engineering Adviser (Civil) /Secretary PANCID retired from their services after serving for more than 30 years. Both played a vital role in the field of water sector and in boosting the activities of PANCID. PANCID members from all over the country, including the Heads of various organizations participated in the Annual Meeting.

On 8 September, 2017 Mr. Waseem Nazir, Vice President, ICID paid an official visit to PANCID Secretariat, Islamabad to discuss revitalization of activities pertaining to the National Committee. He met Mr. Ahmed Kamal, Chairman, PANCID and was briefed about the decisions taken during the 47th Annual Meeting for preparation and circulation of one year Business Plan among the PANCID members for the next year. Mr. Nazir was informed that PANCID Secretariat is in the process with Ministry of Water Resources for the final approval on the proposed MoU between the Chinese National Committee on Irrigation and Drainage (CNCID) and PANCID to be signed during the 23rd International Congress on Irrigation and Drainage from 8-14 October, 2017 in Mexico City, Mexico.

IACID (Australia)

The drive towards an even more efficient irrigation water use and world's best metering standards has been strengthened by a MOU, recently signed between Irrigation Australia Ltd (IAL) and the National Irrigators' Council (NIC) - Australia's two leading irrigation industry bodies. CEO of Irrigation Australia Bryan Ward said that the memorandum is a significant development for the association, which represents the value chain of urban and rural irrigation, from water users and the rural water supply sector through retailers, manufacturers and government agencies. The memorandum allows both organisations to leverage their specialist skills as a way of strengthening representation of the irrigation sector at a political level and of contributing to the continuing development of standards and professional skills. The Irrigation sector agreement will further strengthen the drive for water efficiency along with enhanced representation and advocacy. A key benefit for NIC members will be getting access to Irrigation Australia's expertise in providing training and certification.

NENCID (Nepal)

Mr. Ashok Singh has taken charge as the new Chairman of Nepal National Committee on Irrigation and Drainage (NENCID). Nepal is one of the earliest members, joining ICID in 1973 and is very active both nationally and internationally in the fields of irrigation and drainage. NENCID has been conducting various activities to promote policies and programs to enhance sustainable development of irrigated agriculture and water management related activities in the country.



International Commission on Irrigation and Drainage (ICID)

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