



From Secretary General's Desk...



Dear Colleagues,

The First report of the UN Secretary-General on the Sustainable Development Goals (SDGs) was presented in June, 2016 which provided an overview of the global situation related to the 17 Goals of the 2030 Agenda, based on the global indicators. Some targets at that stage could not be reflected as a number of the constituent indicators were still under methodological development.

The second progress report titled 'Progress towards the Sustainable Development Goals', has been released on 7th June 2017, providing an overview of the global progress on the basis of the latest available data related to the global SDG indicator framework. This is now finalized and developed by the Inter-Agency and Expert Group on SDGs indicators (IAEG-SDGs) and adopted by the ECOSOC. UN Secretary-General's report notes that tracking progress of the SDGs requires an unprecedented amount of data and statistics at all levels and poses a major challenge

to the national efforts in collecting the information.

The way a nation manages its water, impacts the progress of many goals listed in the SDGs. The final set of indicators that have been accepted to be a part of the SDG indicators framework to monitor progress in "SDG 6: Ensure availability and sustainable management of water and sanitation for all" is included in the current issue of the NEWS UPDATE. Countries have started adapting these indicators according to their own natural resource position; geographical, social and economic needs; and governance structures.

Indian government has come up with a new Comprehensive Water Management Index (described in this issue) to monitor the progress in water sector, which was launched earlier last week. Afghanistan has also initiated the process to monitor the water related SDGs.

As part of its mission, ICID is making all out efforts to support its National Committees (NCs) in meeting their national goals through capacity development activities and sharing knowledge among its members. The Technical Support Unit (TSU) established last year has started functioning and taking requests from the NCs. The Core Group of TSU has laid out the rules to make the unit operational and effective. As part of knowledge sharing, ICID Webinar Series is progressing well with large number of participants taking advantage of the digital tool in some ingenious ways.

While the preparations for the 23rd ICID Congress is well on its way and we have

already received more than 155 full length papers addressing the two questions but the progress in submission of country papers on the institutional aspects of irrigation and drainage is not very encouraging.

Through this editorial, may I urge upon the NCs to kindly expedite in sending the Country Papers and share your experiences, so that a timely comprehensive review on the subject could be undertaken. More details on the preparations for the 23rd ICID Congress is given inside.

As we all gear up for the annual face-to-face meeting of our technical Working Groups, may I request the Chairs of all the working groups to take advantage of the opportunity to have a preparatory meeting through WebEx, so that the limited time available during the 68th IEC Meeting, 2017 in Mexico is used more effectively.

I am sure the NCs will make use of the occasion of the 68th ICID Foundation Day celebrated on 24th June, 2017 and organize the annual meeting with their members or share their experiences with other stakeholders on how the NC could play a more proactive and effective role in achieving the SDGs in their national context. Central Office will be happy to share your feedback with the other NCs.

Looking forward to a positive feedback.

With best regards,

Avinash C Tyagi
Secretary General, ICID

WEBINAR on Planning for Irrigation Modernization – The MASSCOTE Approach

Date: July 5, 2017 (Wednesday) @ 14:00-15:00 hours (IST)

Dr. Robina Wahaj (FAO), Speaker

ICID, under its policy to extend its knowledge dissemination wider has initiated Webinar Services for its members in particular and wider irrigation and drainage community in general. The Fourth Webinar being given under 'ICID Webinar Services', is on "Planning for Irrigation Modernization: The MASSCOTE Approach". ICID has invited Dr. Robina

Wahaj, Technical Officer, Land and Water Division of the Food and Agriculture Organization of the United Nations (FAO), a specialist in irrigation and water engineering to speak on this important topic.

FAO developed a methodology called Mapping System and Services for Canal Operation Techniques (MASSCOTE). Since its early stages, more than 30 systems worldwide have been audited using the

MASSCOTE methodology. MASSCOTE integrates and complements tools such as the rapid appraisal procedure (RAP) and benchmarking to enable a complete sequence of diagnosis of external and internal performance indicators, and the design of practical solutions for improved management and operation of the system. For more information, please visit: http://www.icid.org/icid_webinar.html





23rd International Congress on Irrigation and Drainage

8-14 October 2017, Mexico City, Mexico



ICID-ICID

The 23rd ICID International Congress on “Modernizing Irrigation and Drainage for a New Green Revolution” and the 68th International Executive Council (IEC) meeting will be organized by the host Mexican National Committee of ICID (MXCID) from October 8-14, 2017 in Mexico City, Mexico.

The 23rd ICID Congress will address two questions, special session, symposium and seminar:

QUESTION 60: Water Productivity: Revisiting the concepts in light of water, energy and food nexus

QUESTION 61: State of knowledge of irrigation techniques and practicalities within given socio-economic settings

Special Session: Irrigation techniques for reuse of wastewater in agriculture and its impact on health and environment

Symposium: Global Review of institutional reforms in irrigation sector for sustainable agriculture water management

Seminar: Water Use in food value chains: A Challenge for a New Green Revolution?

Full Length Papers

More than 150 full length papers received are being reviewed and edited and are returned to authors, if necessary, for further corrections and improvement. The authors are requested to strictly comply with all the comments and suggestions due to paucity of time to recheck and return it. The final version of the paper, incorporating all the suggested changes, can be submitted to ICID on e-mail <submit_paper@icid.org> with paper number in subject line as mentioned in the acceptance letter. An

‘Abstract Volume’ will be published two months prior to Congress and will be made available for distribution to the registered delegates along with the full length papers in USBs/DVD at the venue.

Venue

The venue for the 23rd ICID Congress & 68th IEC meeting will be the International Exhibition & Convention Center World Trade Center (WTC) in Mexico City has an auditorium with 3500 seating capacity. Mexico City is one of the world’s most important centers for archaeology and urban architecture, with 23 World Heritage sites designated by UNESCO. The WTC infrastructure includes 29 meeting rooms and 4 auditoriums. The complex can accommodate up to 15,000 people. For more information, please access http://www.icid2017.org/about_convention.html

SPECIAL SESSION ON

Irrigation Techniques for Reuse of Wastewater in Agriculture and its impact on Health and Environment

During the 23rd ICID Congress, a Special Session on “Irrigation Techniques for Reuse of Wastewater in Agriculture and its impact on Health and Environment” will be jointly organized by host Mexican National Committee of ICID (MXCID) and ICID on 10 October 2017 at Mexico City, Mexico. Dr. Jaime Collado (Mexico) is the Session Chairman of the Special Session. In order to enrich the proceedings of the session, experts from around the world including Mexico will present their experiences in a three hour session.

The objectives of the Special Session are to: (i) comply with water quality standards and health protection measures; (ii) develop irrigation techniques suitable for the reclaimed water and the crops; (iii) address socio-cultural aspects and public communication to respond to environmental and health concerns; (iv) consider the economic, financial and market costs; and, (v) identify regional variations in water reuse. Contact: Dr. Jaime Collado (Mexico), Session Chairman. E-mail ID: collado.jaime@gmail.com

SYMPOSIUM ON

Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management

ICID’s technical Working Group on Institutional and Organizational Aspects of Irrigation/Drainage System Management (WG-IOA) will be organizing a Symposium on the theme ‘Global Review of Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management, including WUA’ on October 8, 2017 during the 23rd ICID Congress. National Committees are requested to submit the Country Paper on the above subject latest by **June 30, 2017**.

SEMINAR ON

Water Use in Food Value Chains - A Challenge for a New Green Revolution?

An International Seminar on “Water Use in Food Value Chains” will be jointly organized by FAO and ICID on 8 October 2017 during the 23rd ICID Congress in Mexico City, Mexico. The aim of the seminar is to highlight water use in food value chain, from production to consumption, and discuss relevant concepts and approaches to address the issue. The seminar will address issues such as: (i) What is the best method to assess water productivity and efficiency in food value chain? (ii) How can the private sector actors

be engaged in reducing losses, particularly during the post-harvest activities? (iii) Can food supply chain really be water neutral? What kind of investments work to offset water footprints? and (iv) Should initiatives of achieving water neutrality be completely voluntary, or should there be a role of public-policy and regulator in this?

Contact: Dr. Oclay Unver, Seminar Chairman, Dy. Director of Land & Water Division, FAO, Rome, Italy E-mail: olcay.unver@fao.org.

SPECIAL WORKSHOP ON

Applications of Geo-synthetics to Irrigation, Drainage and Agriculture

A Special Workshop on “Applications of Geo-synthetics to Irrigation, Drainage and Agriculture” contributing to the Congress sub-question 61.3 “Adaptability and affordability of new technologies under different socio-economic scenarios” will be organized by the International Geo-synthetics Society (IGS) Technical Committee on Hydraulic Applications during the 23rd ICID Congress. Mr. Timothy D. Stark (tstark@illinois.edu), the Workshop Chairman, has roped in six renowned experts to enlighten the audience on the various aspects of the subject. For more information please visit the Congress website <<http://www.icid2017.org>>.

UN Secretary General's Progress Report on SDGs

The UN Secretary-General issued the 2017 Sustainable Development Goal (SDG) progress report titled 'Progress towards the Sustainable Development Goals' on 7 June 2017, providing an overview of global progress towards the 17 SDGs on the basis of the latest available data related to the global SDG indicator framework. The report is based on a selection of the global indicators for which data were available as of April 2017 and notes that monitoring progress on the SDGs requires enormous data and statistics at all levels.

The report notes advances on combatting hunger and malnutrition since 2000 and calls for sustained and dedicated efforts to end hunger, food insecurity and malnutrition, and for more investments in agriculture, including government spending. Increased investments are needed to enhance capacity for agricultural

productivity. (SDG2 with target: zero hunger).

The report also shows that more than two billion people globally are living in countries with excess water stress and only 90% of the world's population used improved drinking water sources. According to the report about two thirds of the world's population used improved sanitation facilities in 2015. In both cases, people without access predominantly live in rural areas (SDG 6 with target on clean water and sanitation).

The report emphasizes that the amount of data and statistics needed to track SDG progress poses a major challenge to national and international statistical systems, and notes that the global statistical community is working to modernize and strengthen statistical systems. The report will be presented at the ECOSOC session on 27



July 2017. [Publication: Progress towards the Sustainable Development Goals: Report of the Secretary-General: Ref http://www.un.org/ga/search/view_doc.asp?Symbol=E/2017/66&Lang=E]



Final Targets and Indicators for Goal 6 – 'Water and Sanitation For All'

As per the SDG Indicator Framework Adopted by ECOSOC on 7 June 2017

Goal 6. Ensure availability and sustainable management of water and sanitation for all

Target 6.1: By 2030, achieve universal and equitable access to safe and affordable drinking water for all

Indicator 6.1.1: Proportion of population using safely managed drinking water services

Target 6.2: By 2030, achieve access to adequate and equitable sanitation and hygiene for all and end open defecation, paying special attention to the needs of women and girls and those in vulnerable situations

Indicator 6.2.1: Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water

Target 6.3: By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing release of hazardous chemicals and materials, halving the proportion of untreated wastewater and substantially increasing recycling and safe reuse globally

Indicator 6.3.1: Proportion of wastewater safely treated

Indicator 6.3.2: Proportion of bodies of water with good ambient water quality

Target 6.4: By 2030, substantially increase

water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity

Indicator 6.4.1: Change in water-use efficiency over time

Indicator 6.4.2: Level of water stress: freshwater withdrawal as a proportion of available freshwater resources

Target 6.5: By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate

Indicator 6.5.1: Degree of integrated water resources management implementation (0-100)

Indicator 6.5.2: Proportion of transboundary basin area with an operational arrangement for water cooperation

Target 6.6: By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

Indicator 6.6.1: Change in the extent of water-related ecosystems over time

Target 6.a: By 2030, expand international cooperation and capacity-building support to developing countries in water- and sanitation-related activities and programmes, including



water harvesting, desalination, water efficiency, wastewater treatment, recycling and reuse technologies

Indicator 6.a.1: Amount of water- and sanitation-related official development assistance that is part of a government-coordinated spending plan

Target 6.b: Support and strengthen the participation of local communities in improving water and sanitation management

Indicator 6.b.1: Proportion of local administrative units with established and operational policies and procedures for participation of local communities in water and sanitation management

<https://unstats.un.org/unsd/statcom/48th-session/documents/>

Hurry! Hurry!! Hurry!!! – Only few days left

ICID Invites Nominations for 2017

WatSave Award

Nominations are invited for the 'WatSave Awards 2017' from individuals/team through National Committees/Committee latest by **June 30, 2017** in four categories: (i) Technology; (ii) Innovative Water Management; (iii) Young

Professional; and (iv) Farmers. Nominations are to be routed through the National Committee (NC) in order to ensure the originality and authentication of the work and only one nomination per category, per country based on merit is accepted from each NC.

Heritage Irrigation Structures (HIS)

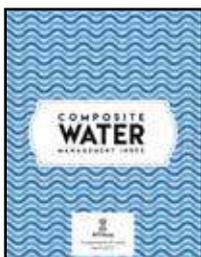
Nominations are invited from the ICID National Committees for registering "Heritage Irrigation

Structures" (HIS) older than 100 years. National Committee can nominate more than one structure, using separate nomination form for each. The last date for receipt of nomination at ICID Central Office is **June 30, 2017**.

For more information about the background, scope, objectives, criterion for selection and nomination form can be downloaded at http://www.icid.org/his_appendix_n_annexure.pdf

Composite Water Management Index: India

NITI Aayog, the Think Tank, in consultation with Ministry of Water Resources, Government of India have developed a Composite Water Management Index as a tool to assess and further improve the performance in efficient management of water resources in the country. The Index has a set of 28 Key Performance Indicators (KPIs) covering irrigation status, drinking water and other water-related sectors and has been finalized after an elaborate exercise including seeking feedback from the States and consultation with reputed experts. It covers following critical areas.



- (1) Source Augmentation (Restoration of Water Bodies) (Weightage: 5)
- (2) Source Augmentation (Groundwater) (15)
- (3) Major and Medium Irrigation – Supply Side Management (15)
- (4) Watershed Development – Supply Side Management (10)
- (5) Demand Side Management – Participatory Irrigation Practices (10)
- (6) Demand Side Management – Sustainable On-Farm Water Use Practices (10)
- (7) Rural Drinking Water (10)
- (8) Urban Water Supply and Sanitation (10)
- (9) Policy and Governance (15)

Each of the above areas have three or more performance indicators. The Index based on these 28 KPIs constitute the Composite score for a State

$$\text{Composite Water Management Index} = \sum (S_i \times W_i) / \text{Max } S_i; \text{ for } i = 1 \text{ to } 28$$

The Index would serve as a useful tool to track performance in the water sector and take corrective measures timely for achieving better outcomes thereby meeting the citizens' expectations satisfactorily. The Index would provide useful information for the States and also for the concerned Central Ministries/Departments enabling them to formulate and implement suitable strategies for better management of water resources.

The document can be downloadable from http://niti.gov.in/writereaddata/files/document_publication/WMI-Documents.pdf



Water and Sustainable Development: Afghanistan

The 4th National Water Conference, a two-day conference on "Water and Sustainable Development" was organised by the Ministry of Energy and Water, Afghanistan Supreme Council of Land and Water from 5-7 April 2017 in Kabul, Afghanistan to discuss the importance and role of water resources development and management in the country and to review its development agenda, under the Sustainable Development Goals (SDGs).

The objectives of the conference were to: (a) Explore new dimensions for sustainable use of water in different sectors such as drinking water, sanitation, irrigation, industry, mines, environment; and (b) Strengthen the coordination among all the stakeholders to achieve the SDGs in the water sector under the guidance of Supreme Council of Land and Water.

More than 350 participants, including senior officials, policymakers, scientists

and academicians, researchers, Mirabs, farmers and personnel from the national and international organizations, discussed the issues in working groups: (a) water security; and (b) water induced disasters and safeguarding of policies and strategies.

H.E. Ashraf Ghani, President of Afghanistan emphasized the key role of water in agriculture, especially for his country where the lives of 80% of the population depend on agriculture and thanked the Minister of Energy and Water and his team for organizing the Conference. Welcoming the participants, H.E. Ali Ahmad Osmani, Minister of Energy and Water explained the trans-boundary water issues as well as groundwater and how the Ministry is pursuing water diplomacy based on the needs of the society and modern standards that can be accountable both for water management and safeguarding water resources.

During the closing ceremony of the conference, Dr. Abdullah Abdullah, Chief Executive of the Islamic Republic of Afghanistan pointed out that Working Group on Water Diplomacy for Sound Management and Development of Water Resources has top priority of the national unity government. A declaration defining development of water resources and the way of its management, was presented by H.E. Deputy Minister of Water of the Ministry of Energy and Water, Mr. Mohammad Daud Qazi Zada. In the resolution, they urged the National Unity Government to pay special attention to strengthening water macro projects and its sound management, developing a practical diplomacy of water and reviewing previous strategies and plans.



Setting up of ENCID-YPF

Vice President Dr. Mohamed Abd-El-Moneim Wahba (Egypt), Chairman of ICID's African Regional Working Group (AFRWG) contributed in activating the NCs in Africa and to strengthen the participation of Young Professionals (YPs) by establishing Young Professional Forum (YPF) at the national levels to disseminate the activities of ICID and utilizing the available resources to provide them all the technical support for learning, exchange of experience and knowledge.

The aim was to increase the number of



memberships of YPs at national level and improve their participations and contribution in all the activities of ICID mainly in AFRWG and to prepare a qualified Young Professional for better future for all the National Committees in Africa. In view of the above, the Egyptian National

Committee on Irrigation and Drainage (ENCID) has established a new ENCID 'Young Professional Forum' (ENCID-YPF) which held its first meeting on 1 June 2017. During the meeting, a brief introduction were presented about the activities of 'ICID Young Professional e-Forum (IYPeF)' and made work plans for both national and international levels.

It is expected that some NCs like Morocco, Sudan and Somalia would come together and encourage all NCs in Africa to establish similar YP Forums and follow the same procedure.





The XVI World Water Congress on the theme “Bridging Science and Policy” was held in Cancun, Mexico from 29th May – 3rd June 2017. The event was jointly organized by the International Water Resources Association (IWRA), the National Water Commission of Mexico (CONAGUA) and the National Association of Water and Sanitation Utilities (ANEAS). The aims of the Congress is to provide a meeting place to share experiences, promote discussion, and present new knowledge, research results and new developments in the field of water policy and science from around the world.

The Opening Ceremony was held on 29th May 2017 and Inauguration session includes speeches of Mr. Carlos Joaquin Gonzalez, Governor, Quintana Roo; Mr. Patrick Lavarde, President, IWRA; Mr. Ramon Aguirre, President, ANEAS; Mr. Roberto Ramírez de la Parra, Director General, CONAGUA; and H.E. Mr. Rafael Pacchiano Alaman, Minister, Ministry

Bridging Science and Policy

of Environment and Natural Resources, Mexico.

President Dr. Saeed Nairizi attended the Congress as a Speaker to the High-Level Panel on Water-Energy-Food Nexus held on 1 June 2017. The Panel focused on the Sustainable Development Goals related to Water, Energy, and Food (SDGs 2, 6, and 7). The main objectives of the Panel are to: demonstrate the extent of the interconnections between the water, energy, and food goals, explore possible trade offs for implementing the SDGs and identifying a holistic assessment criteria for multiple implementation plans at different scales, and discuss ways among which the policy coherence and policy-science communication could be improved across sectors and across scales. The discussion in the Panel started with challenges in securing adequate tools, data, modelling complexity, governance and financing, starting with the global perspective, and moving to the more local and national scales. It will build on this material by considering lessons learned from various partner institutions on the potential and risks of adopting the Water, Energy, and Food nexus as a platform for SDG implementation.



The Congress calls for urgent mobilization of knowledge generators, governments, donors, professionals and civil society to join their efforts to achieve the 2030 Agenda for sustainable development. Water is one of the most crucial needs for the Earth and all of its inhabitants. The holistic ambition of sustainable development in a changing world needs multidisciplinary knowledge, evidence based policies, involvement and participation of everybody for a more effective implementation of solutions.

For more information please visit: www.worldwatercongress.com



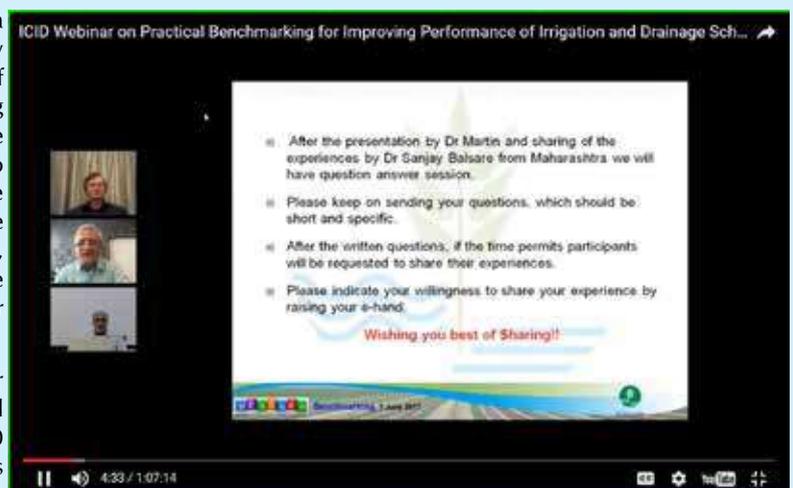
Webinar on Practical Benchmarking for Improving Performance of Irrigation and Drainage Schemes

The third ICID Webinar in the series ‘Practical Benchmarking for Improving Performance of Irrigation and Drainage Schemes’ was helmed by Dr. Martin Burton (UK) a specialist in water resources, irrigation management and institutional development having international reputation in the field of water management, on 7th June 2017. Dr. Martin Burton gave an informative and insightful presentation outlining the basic principles of benchmarking as applied to the irrigation and drainage sector and how it could be used to facilitate the domain of work in agriculture water management (AWM). The webinar exhibited case studies from a number of countries and states including Australia, Egypt, Maharashtra (India), Madhya Pradesh (India), Kyrgyzstan, Turkey and the United Kingdom. The common pitfalls of benchmarking was discussed during the webinar, together with a discussion on the key processes to be benchmarked and the use and selection of the indicators.

Dr. Sanjay Belsare, Maharashtra State, India, presented a detailed outline of benchmarking of irrigation projects in

Maharashtra State and how the principles of benchmarking can be incorporated to further facilitate and upgrade irrigation, drainage and water management.

The webinar was attended by around 100 participants from all over the world. President Dr. Nairizi in his welcome address highlighted on the importance of benchmarking in irrigation and drainage sector. Dr. K. Yella Reddy, Secretary, WG-WATER & CROP arranged a group projection of the webinar, which was attended by around 50 students and professionals from Water and Land Management Training and Research Institute (WALAMTARI), Hyderabad, India.



For those who missed the webinar, a live video recording of the same has been uploaded on ICID website <http://www.icid.org/icid_webinar.html> along with presentations and collected resources - http://www.icid.org/webinar_3.pdf .



Virtual Meetings

Technical Support Unit (TSU) Core Group

The First Virtual Meeting of TSU Core Group was held on 14 June 2017 at 14:30 hours (Indian Standard Time – IST). The meeting was attended by President Dr. Saeed Nairizi (Chairman); VP Dr. Ding Kunlun, Chair, Permanent Committee for Technical Activities (PCTA); VP Bong Hoon, Lee, Chair, Permanent Committee on Strategy and Organization (PCSO); VP Dr. Wahba, Chair, African Regional Working Group (AFRWG); VP Prof. Dr. Abdelhafid DEBBARH, Chair, Working Group on Capacity Development, Training and Education (WG-CDTE); as members and Avinash Tyagi, Secretary General, ICID as Convener.

Sub-Committee to Investigate the Structure, Scheduling of Meetings and Membership of Working Groups (SC-SSMWG)

The First Virtual Meeting of SC-SSMWG was held on 25 May 2017 at 14:30 hours (Indian Standard Time – IST). The meeting



was attended by (i) VP Dr. Ding Kunlun, Chair; (ii) VP Bong Hoon Lee, Co-Theme Leader, ST-On-Farm; (iii) VP Mohamed Wahba, Co-Theme Leader, ST-Basin; (iv) VP Prof. Abdelhafid DEBBARH, Co-Theme Leader, ST-Knowledge and (iv) Er. Avinash Chand Tyagi, Secretary General, ICID, Member-Secretary. Understanding the importance of the meeting in planning the ICID activities, President Dr. Saeed Nairizi also joined the meeting.

Working Group on Institutional and Organizational Aspects of Irrigation / Drainage System Management (WG-IOA)

The 2nd Virtual Meeting of WG-IOA was held on 17th May 2017 at 14.30 hours



(Indian Standard Time-IST). The meeting was attended by VPH Hafied A. Gany, Chairman (Indonesia); (2) Dr. Seong Joon Kim (Korea); (3) VP Ding Kunlun (China); (4) VPH Franklin Dimick (USA); (5) Mr. Abdullahi Abdul Rahman Ogole (Nigeria). Er. Harish K. Varma, Executive Director, welcomed the participants and coordinated the meeting. VPH Dr. Gany made a brief presentation titled "Institutional Reform in Irrigation Sector for Sustainable Agriculture Water Management including WUA" as a submission of country paper from Indonesia for the International Symposium.



Vice President Bong Hoon, Lee visits Senegal and Uganda

Senegal

Mr. Bong Hoon, Lee, Vice President of ICID and Chairman of the Korean National Committee on Irrigation and Drainage (KCID) along with members of research staff from Korean Rural Community Corporation (KRC) visited Senegal from 8-18 April 2017 for exploring new agri-business avenues. As a follow-up after the meeting, Chief Executive Officer (CEO) of KRC and Senegal Ambassador to Korea met and discussed it in detail. While Korean research group had a meeting with the Ministry of Water and Sanitation the Ministry of Agriculture and Rural Equipment and discussed on a major policy project and performed on-site surveys on target areas. KCID and KRC plan to expand their collaboration in the agricultural development sector in Senegal



and enhance irrigation policy network among two countries.

Uganda

VP Bong Hoon, Lee and representatives from KRC visited Uganda to undertake an integrated rural development project by the Economic Development Cooperation Fund (EDCF) from 19-21 May 2017. The Korean government and the Ugandan government signed a Memorandum of Understanding



(MoU) of US\$50 million as part of Rural Development EDCF Financial Cooperation during mid 2016. KRC also conducted field surveys with the Ugandan government officials during this time.

The integrated rural development project is expected to improve rural living conditions and the income-situation of the poor and to build on agricultural infrastructure such as farmland, farms, roads, reservoirs, and irrigation facilities etc.

Japanese Water Forum Fund 2017 – Call for Applications

The Japanese Water Forum (JWF) Fund 2017 invited applications from grass-root organizations in developing countries, aimed to support organizations addressing water-related issues, for the JWF Fund 2017. The last date of submission for the

application is 31 July 2017 and a grant of US\$ 1,000 per project/organization will be given. The eligible applicants are grass-root organizations in developing countries involved in resolving water-related issues while utilizing local resources thereby

meeting the local needs. The applications may be e-mailed to the Japan Water Forum (E-mail: jwffund@waterforum.jp). For more information, please access <http://www.waterforum.jp/en/2017/0601/?p=4778>.

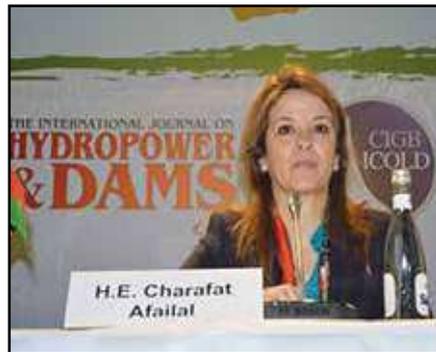
Africa 2017 - Water Storage and Hydropower Development for Africa

A three-day conference on 'AFRICA 2017- Water Storage and Hydropower Development for Africa' was held from 14-16 March 2017 at Marrakech, Morocco. The conference, jointly hosted by Aqua-Media International of the UK and the International Commission on Large Dams (ICOLD) was supported by the Ministry of Energy in Morocco, Mines, Water and Environment and the Moroccan National Committee on Large Dams. A total of 703 delegates participated, in which 67 countries represented of which 31 were from African countries.



Storages play a key role in the economic prosperity and cultural wealth.

Mr. Michel de Vivo, Secretary-General of ICOLD described the role of ICOLD, including various capacity building initiatives. He referred to the Declaration 'Dams and Hydropower for African Sustainable Development' which had been launched by ICOLD together with the African Union in 2008, with the aim to boost the hydropower development in the continent.



H.E. Mme Charafat Afailal, Minister of Water from Morocco, the Chief Guest of Honour, outlined the policy in the field of water resources management and the importance of hydro as the leading source of renewable energy of Morocco which has a huge and unexploited potential in Africa.

Ms. Alison Bartle, Aqua-Media Director, welcoming the delegates, highlighted the expertise Morocco has in water resources development and management. She particularly highlighted the importance of discussion on operation and maintenance, capacity building, climate resilience and the role and benefits of small hydro for rural areas, alongside the major regional projects.

During the workshop, a total of 23 sessions and workshops were held that focused on technical, financial, economic, environmental and social aspects of water resources and hydropower development. It highlighted the needs and challenges for Africa, as well as development opportunities and achievements. Sessions were devoted to issues of particular relevance to Africa, such as hydrology, flood management, climate resilience, dam safety, rural electrification, sedimentation issues, project finance, contractual issues, and capacity building.

Prof. Anton Schleiss, President of ICOLD, made a presentation on the role and benefits of large multipurpose dams for an equitable increase in welfare for Africa. Prof. Schleiss outlined the challenges relating to water supply worldwide, and stressed the importance of a nexus approach to improving water, energy and food security on a global level. Supported by statistics of over past few decades he argued that the

In addition, side events, training course, technical exhibition events etc. were a part of the conference. For more information please access http://www.hydropower-dams.com/AFRICA_2017_Overview.php?c_id=415.



News from ICID National Committees

ICID (Australia)

Australian National Committee (IAL - ICID NCA) organized two meetings. NC has formed three working groups engaged in: (i) finalizing the revised Charter of the IAL-NCID; (ii) preparation of the Australian National Paper on Institutional Reforms in the Irrigation Sector for Sustainable Water Management; and (iii) working group engaged in preparing the papers for submission during the 23rd ICID Congress in October 2017 in Mexico City, Mexico.

The Board of Directors of the Irrigation Australia agreed to support the Australian delegation of Mr. Momir Vranes, Ms. Kathleen Heuvel and Mr. Bryan Ward to attend the 23rd ICID Congress in Mexico City in October 2017. The Australian National Committee plans to promote the 2020 event in Sydney, Australia that include 71st IEC meeting and 24th ICID Congress.

The National Committee members have been promoting both ICID and the Australian National Committee agendas, within their activities, such as the Deputy Chair in South-East Queensland as well as the Chairman organizing the Afghanistan delegation for the Mexico 2017 Congress attendance.

SANCID (South Africa)

The Southern African Regional Irrigation Association (SARIA) held a Symposium on the theme "Empowerment of Women" from 28-29 March 2017 at Farm Inn, Pretoria, South Africa. More than 30 representatives from SARIA member countries across the Southern African Development Community (SADC), namely, Lesotho, Madagascar, Malawi, Swaziland, South Africa, Zambia and Zimbabwe participated in the Symposium.

During the Symposium, five presentations were presented i.e. (a) Irrigation Strategy



of South Africa, (b) Empowerment of women through water use security, land use security and knowledge generation for improved household food security and sustainable rural livelihoods in selected areas. During the Symposium, several case studies were cited during the question and answer sessions.

New themes for the SARIA Strategy were identified and agreed for implementation during 2018 to 2021. The new themes covered were: (a) Impacts of climate change on the Agriculture sector, (b) Best Management Models for Smallholder



Irrigation, (c) Crop Value Chain and/ or Agri-Business (entrepreneurship), (d) Waste Water re-use, (e) Appropriate Irrigation Technologies, (f) Operation & Maintenance, GIS Techniques, (g) Underutilized crops/ alternative crops, (h) Water Energy Food Nexus, and (i) Conceptualization of smallholder irrigation development.

After the Symposium, participants attended the SARIA Steering Committee meeting on 30 March 2017 where country reports on activities and progress made towards establishment of national committees were discussed. Other issues like, Strategic roles and actions for a viable SARIA, membership fee, financial statement etc. were also discussed.

During the meeting, new SARIA Executive Committee was elected. Mr. Winston Sataya (Malawi) and Dr. Emery Kasongo (Democratic Republic of Congo) were elected as Chairman and Deputy Chairman of the Committee.

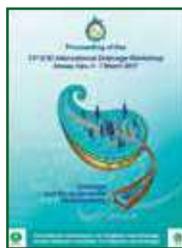
IRNCID (Iran)

Iranian National Committee on Irrigation and Drainage (IRNCID) has published three new publications related to (i) Irrigation and Groundwater Recharge by H. Ebrahimian, M. Hasanli (Page: 288, Year:2017); (ii)

Drainage water management: Controlled Drainage by M. Akram, F. Tajik (Page: 178, Year: 2017), and (iii) Management of Agricultural Water Demand and Use in Iran by N. Heydari, H. Dehghanisani and M. Alaei (Page: 292, Year: 2017). For more information please access <http://irncid.org/English/>.

Proceedings of 13th IDW

The proceedings of the 13th International Drainage Workshop (13th IDW) on the theme "Drainage and Environmental Sustainability" organized from March 4-7, 2017 at Ahwaz, Iran have been distributed to the participants and are now available on the ICID website under the section "International Drainage Workshops". For more information, please visit http://www.icid.org/conf_idw.html.



KCID (Korea)

Korea is facing drought situation despite rainfall across the nation for two days on 5-6 June 2017. The land has been so dry that all the rainwater seeped into the



ground. At present, rice-planting season in Korea is going and is the common part of the Korean diet. To mitigate the crisis, the Korean government supplying water as an emergency to minimize the drought effect. The total drought area is 5,491 ha and the two most drought-severe regions are - Gyeonggi and Chungnam Provinces, located in the mid-western part of the Korea. The Korean government is taking proper measures for drought relief, such as developing tube wells, installing pumping stations, water supply hoses and supporting water pumps and water supply trucks etc.

NENCID (Nepal)

New E-mail ID of the Nepal National Committee of ICID (NENCID) is <nencid@wlink.com.np>



Forthcoming Events

ICID Events

23rd ICID Congress and 68th IEC, October 8-14, 2017, Mexico City, Mexico on the theme 'Modernizing Irrigation and Drainage for a new Green Revolution'. Contact: Lic. Roberto Ramirez de la Parra, President, MXCID, E-mail: info@icid2017.org; info@mxcid.org; Website: www.icid2017.org

8th Asian Regional Conference on the theme 'Irrigation in Support of an Evergreen Revolution', May 2-4, 2018, Kathmandu, Nepal. Contact: Mr. Bashu Dev Lohanee, Secretary, Nepal National Committee, ICID (NENCID), Deputy Director General, Department of Irrigation; Email: lohanibas@yahoo.com, irrigation@wlink.com.np; Website: <http://nencid.org.np/8th-annual-regional-conference/>

69th International Executive Council Meeting and International Conference, Saskatoon, Canada, August 12-17, 2018, Saskatoon, Canada. For more details <http://www.icid2018.org>. Brochure available at http://www.icid.org/brochure_69iec.pdf

9th International Micro Irrigation Conference, January 2019, Aurangabad, India. Contact: Mr. Anuj Kanwal, Member Secretary, Indian National Committee on Surface Water (INCSW); Email: icid-cwc@nic.in; Website: <http://www.cwc.gov.in/main/INCID/welcome.html>.

70th IEC Meeting and 3rd World Irrigation Forum (WIF3), October 2019, Bali, Indonesia. Contact: Ir. Mohamad Hasan, President, Indonesian National Committee of ICID (INACID), Director General of Research and Development, Email: inacid_indonesia@yahoo.co.id, mohasan53@yahoo.co.id

71st IEC Meeting and 24th ICID Congress, September 22-28, 2020, Sydney, Australia. Contact: Mr. Bryan Ward, Chief Executive Officer, Irrigation's Australia Limited (IAL) (Incorporating IACID), Email: Bryan.ward@irrigation.org.au, Website: <http://www.irrigation.org.au>

Other Events

Stockholm World Water Week on the theme "Water and Waste: Reduce and

Reuse", August 27 - September 1, 2017 at Stockholm, Sweden. For details, visit <http://www.worldwaterweek.org>

International Training Workshop on Drip Irrigation and Fertilization, September 25-29, 2017 at Dicle University, Agricultural Faculty, Diyarbakir, Turkey. For details, visit <http://www.dicle.edu.tr>

GeoAfrica 2017 - 3rd African Regional Conference on Geosynthetics', October 8-11, 2017 at Marrakech, Morocco. For details, visit <http://geoafrica2017.com>

5th India Water Week 2017 on the theme "Water and Energy for Inclusive Growth", October 10-14, 2017, New Delhi, India. For details, visit http://www.indiawaterweek.in/docs/information_bulletien/IB1_2017.pdf

International Australia International Conference and Exhibition, June 13-15, 2018 at Sydney, Australia. For details, visit <http://iaice.com.au/conference/>



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