

News Update

A Water Secure World Free of Poverty and Hunger through Sustainable Rural Development



September 2021

From Secretary General's Desk...

Dear Colleagues,

The major event to report is the signing of two ICID Memorandums of Understanding (MoU) during the Arab Water Forum held last month in Dubai – one with the Arab Water Council (AWC) and the other with the International Center for Biosaline Agriculture (ICBA). The MoU signing ceremonies took place along with the joint thematic sessions by ICID, FAO, IWMI, ICBA, and ICARDA, where a range of agricultural water sector issues were presented and discussed, including water scarcity, food security, climate change, transboundary water sharing, and advanced research on technologies and innovations to solve the pressing problems. The ICID President also participated virtually from the



UK and gave a presentation. The sessions were well attended, and discussions were rich in content.

After the Arab Water Forum, I and ICID ED Er. Harish Varma visited Morocco to observe and plan with the Morocco National Committee of ICID (ANAFIDE) the preparations for the 72nd International Executive Council (IEC) meeting, the 5th African Regional Conference on “Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa,” and the Young Professionals Training to be held next month there. I am pleased to share that the preparations are pretty satisfactory considering the ongoing pandemic situation in most countries.

Irrigation Australia is also busy making arrangements for the 73rd IEC, 24th ICID Congress to address two pertinent questions on “Innovation and Research in Agricultural Water Management to Achieve Sustainable Development Goals,” and the International Conference in 2022 at Adelaide.

You all will be surprised to know that the World does not have a common inventory of irrigation projects of significance. To fill this gap, we have launched an online register of World Irrigation Projects. All project owners and other associated agencies/ individuals are requested to provide information about their respective countries for populating the register. The entries are free and will earn you recognition as a contributor. I hope that you all will join ICID wholeheartedly in making this effort a success.

I look forward to interacting with you in Marrakech, Morocco, next month and Adelaide, Australia, next year.

Best Wishes,

Ashwin Pandya
Secretary General, ICID

ICID President Dr. Ragab Ragab Gave Virtual Presentation in the Panel Session “Interconnected Innovations for Managing Water Scarcity to Enable Sustainable Food Security in the UAE” during Arab Water Forum

The ICID in collaboration with the Food and Agriculture Organization of the United Nations (FAO) Subregional Office for the Gulf Cooperation Council States and Yemen (FAO-SNG), International Water Management Institute (IWMI), Delft University of Technology (TU Delft), Kungliga Tekniska Högskolan (KTH) and Stockholm Environment Institute (SEI) jointly organized a panel session on “Interconnected Innovations for Managing Water Scarcity to Enable Sustainable Food Security in the UAE” in Arab Water Council during the 5th Arab Water Forum, Dubai. The purpose of the session was to present and share information regarding interrelated technologies for managing water resources in a sustainable manner in order to increase land and crop productivity. It examined the opportunities that lie ahead as well as the requisite changes.

The Session was chaired by Mr. Dino Francescutti, Director, FAO-SNG

with the Co-Chair Dr. Essa A. Al Hashemi, Office of the Prime Minister of the UAE, and was moderated by Dr. Waleed Abou ElHassan, Senior Water Resources Management, FAO - SNG. Dr. Amgad Elmahdi, Director, MENA Region-International Water Management (IWMI) served as the session reporter virtually.

President ICID Prof. Dr. Ragab Ragab made a virtual presentation on the topic “International experience of smart irrigation using new technologies and good agricultural practices suitable to be implemented in the UAE.” The ICID



President emphasized that innovation and evidence-based solutions signify a paradigm shift in water management (supply and demand).

Session on Advanced Technologies and Early Warning Systems to Improve Agricultural Water Productivity in Transboundary Water Basins (ICID, ICBA and ICARDA), the 5th Arab Water Forum

ICID in collaboration with the International Center for BioSaline Agriculture (ICBA) and the International Center for Agricultural Research in the Dry Areas (ICARDA) organized a cross-cutting session on “Advanced Technologies and Early Warning Systems to Improve Agricultural Water Productivity in Transboundary Water Basins”. The session are chaired by Dr. Khalil Ammar, Program Leader, ICBA, UAE and Mr. Rashyd Zaabool with Dr. Chandrashekhar Biradar as co-chair.

The objective of the session was to present and discuss: 1) Agricultural water productivity under salinity and marginal conditions 2) Advances in irrigation water use efficiency and water management practices at different scales (field, basin, and national levels), and 3) Water and agricultural resources monitoring, and early warning systems based on remote sensing, modeling, and precision agriculture.

ICID Vice President Dr. Marco Arcieri made a virtual presentation on the topic "Innovations in irrigation technology under the



threat of climate change in the Mediterranean area" during the session.

Impact of Research, Technology and Innovations on Water Productivity, ICID-IWMI Session during the 5th Arab Water Forum

The series of triennial Arab Water Forum (AWF) is considered the most important water-related event in the Arab region. The 5th edition of AWF was convened by the Arab Water Council during the period 21 – 23 September 2021 in Abu Dhabi under the patronage of the United Arab Emirates’ Ministry of Energy and Infrastructure. It was supported by the League of Arab States (LAS) and the Ministry of Water Resources and Irrigation of Egypt (MWRI) in collaboration with the national, regional and international partners.

Providing a unique platform for communication, the 5th AWF served as the stage where Arab water community leaders and key decision-makers thoroughly discussed water challenges that the Arab region is facing, being one of the most water-scarce regions in the world.

ICID and International Water Management Institute (IWMI) held a session on “Impact of Research, Technology and Innovations on Water Productivity” during the sideline event of the 5th Arab Water Forum” Dubai. Dr. Amgad Elmahdi, Director of MENA Region-IWMI served as chair with ICID SG Er. Ashwin Pandya as the co-chair and Mr. Adham Badawy, Research Officer-Water Accounting & Productivity, IWMI as the reporter.

The session discussed the role of innovation, tools and technology to assess and improve water productivity with a special focus on the MENA region. Four case studies were presented from Jordan, Egypt, India and China, looking at different tools and practices to improve water management and water productivity. ICID Vice President Hon. Dr. Yella Reddy



made a virtual presentation on the topic “Smart Agricultural Water Management.” A panel discussion followed to identify the role of innovation and technology in the water sector for achieving the SDGs.

Leveraging The Untapped Potential of Food Production Under Water Scarcity and Climate Change in The Arab Region, Joint (ICID, FAO and ICARDA)

ICID, FAO and ICARDA organized a panel session on “Leveraging The Untapped Potential of Food Production Under Water Scarcity and Climate Change in The Arab Region.” The session was chaired by the ICARDA Director-General, Aly Abousabaa (virtual) and ICID President Prof. Dr. Ragab Ragab was co-chair (virtual). Dr. Vinay Nangia and Ms. Domitille Vallée

moderated the session. President Ragab made a virtual presentation on the topic "Food security under changing climate and water scarcity."

The session explored the challenges for the Arab region to reconcile coping with water scarcity, increased water productivity and ensuring food security. It explored the opportunities ahead and



the transformation needed. The outcomes of this technical session included: (i) exposure to global transformative innovations happening in the field of dryland agricultural water management; and (ii) increasing awareness of the opportunities to leverage untapped potential for food production in the Arab region.

ICID Signed Memorandum of Understanding with the Arab Water Council (AWC)

During the 5th Arab Water Forum, ICID and AWC signed an MoU. The objective of this MoU is to formalize a non-exclusive framework of cooperation and facilitate collaboration between the Parties to promote knowledge sharing programs and projects that foster cooperation between them, including the possibility of co-financing projects related to capacity development activities and technical support, among others in their common member countries. ICID and AWC would explore the possibility of cooperation in the following areas of activity:

- (a) Identification of knowledge sharing, co-financing and technical assistance opportunities between the Parties for programs and projects in their common member countries.
- (b) Collaborate in each other's programs related to capacity development, education and training in the field of mutual interest.
- (c) Collaborate in organizing and delivering Joint technical seminars, webinars and workshops
- (d) Inform and consult each other in cases where either of the Parties proposes to initiate a programme or activity on a subject in which the other Party may have substantial interest, for possible collaboration
- (e) Recognize and Invite the AWC as observer to the meetings of ICID to participate, without vote, in of the Executive Council/ International Executive Council, ICID Congress/World Irrigation Forums and where appropriate, of Its working groups, on issues of mutual Interest



(f) Coordination between the Parties with regard to programs and projects In their common member countries With a view to achieving their common development objectives

(g) Exchange of information between the Parties on their shared experiences and expertise in areas such as: (i) agriculture water management, (ii) flood and drought management, and (iii) capacity development programmes.

About Arab Water Council (AWC): The Arab Water Council (AWC) was launched on 14 April 2004, as a regional non-profit organization with activities extended on both regional and international scales. The Headquarters of the Arab Water Council is the Arab Republic of Egypt according to the Host Agreement signed between the Government of Egypt and the Council in February 2009.

ICID Signed Memorandum of Understanding with International Center for Biosaline Agriculture (ICBA)

Along the same lines as with AWC, the second MoU was signed between ICID and the International Center for Biosaline Agriculture (ICBA) during the forum. ICBA, with a vision for sustainable livelihoods and food security in marginal environments, is on a mission to work in partnership to deliver agricultural and water scarcity solutions in marginal environments. It is strategically engaged in promoting sustainable management of natural resources, providing climate change solutions, enhancing agricultural value chains to advance sustainable food, feed, and biofuel agri-technologies. ICID and ICBA feel the future potential of mutual growth through cooperation and synergetic activities.



welcome



A Message from Irrigation Australia

COVID-19 disrupted events on a global scale and Irrigation Australia was not immune from the impact of this pandemic. We were very disappointed not to hold the 24th Congress & 71st IEC Meeting, combined with the biennial Irrigation Australia Conference & Exhibition as scheduled in 2020. After our efforts to win the right to host this event and the extensive planning and work undertaken, we were very determined that the event could still be held in a post-pandemic environment. The date and location may have changed but the enthusiasm, commitment and warm hospitality of the organising committee has not.

Accordingly, on behalf of Irrigation Australia and the ICID Australian National Committee (IACID) we extend a warm invitation to you to participate in the 73rd IEC Meeting & 24th ICID Congress combined with the Irrigation Australia National Conference & Exhibition to be held in Adelaide, Australia from 3 October to 10 October 2022.

The Australian irrigation industry is delighted to have the opportunity to host this event and showcase our irrigated agricultural industry to the world. To add value to your participation in the International Congress, we have combined it with our biennial Irrigation Australia Conference and Exhibition, the biggest irrigation event in the southern hemisphere. ICID delegates will be able to attend the local conference sessions and our large international exhibition in addition to the comprehensive ICID program.

The theme for the 24th ICID Congress is 'Innovation and research in agricultural water management to achieve sustainable development goals'. Australia is the driest continent on earth and the efficient use of water is at the forefront of our objectives and strategies to expand our domestic production of food production and to maintain our reputation as an exporter of high-quality foods to a growing world population.

The event will be hosted in Adelaide, which is Australia's 5th largest city and home to a vibrant culture of arts, culture and great food. It is renowned for its fantastic places to visit and close proximity to some of the leading agricultural production in Australia. The famous wine producing region of the Barossa Valley is easily accessible on a day trip from the city and here you can experience some of the finest wines and cellar doors in Australia, and in fact the world.

The organising committee will be arranging a selection of interesting and informative study tours and further details on these will be released during 2021. Registrations and an invitation to submit abstracts will re-open in 2021 but you are welcome to register your interest now to ensure you receive communications to keep you updated with what will be an exciting and important event on the international irrigation calendar.

It is a great privilege to be awarded the opportunity to host the International Congress, which is being held in southern hemisphere for the first time since its inception in 1951. We hope that you plan well ahead to attend this event and take this long-awaited opportunity to catch up with old acquaintances, make new friendships and enjoy some 'true blue' Australian hospitality.

If you have any questions or require assistance, please do not hesitate to contact us via email at icid2022@irrigation.org.au.

We look forward to seeing you in 2022 in Adelaide.



Andrew Ogden

Chairman
Irrigation Australia



Momir Vranes

Chairman
IACID Australian
National Committee



Bryan Ward

Chief Executive Officer
Irrigation Australia

President of the Moroccan National ICID Committee (ANAFIDE) Writes an Open Letter about the Morocco Events

The 72nd International Executive Council meeting of ICID and the 5th African Regional Conference - Theme "Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa" 23-30 November 2021, Marrakech, Morocco

Irrigation has been practiced in Morocco for many centuries. Water distribution is governed by embedded rules particularly in southern Morocco where scarce soil and water resources are valued. During the sixties, Morocco initiated plans to irrigate one million ha of agricultural land along with the "Dams Policy". Thanks to this rewarding orientation the country has managed to build more than one hundred and forty dams and supply with irrigation water close to a million and a half hectares.

Presently, the country continues to devote major attention to promote irrigated agriculture and enhance water-saving systems within the framework of the "Green Morocco Plan". Large as well as small and medium irrigation schemes are being irrigated with surface water from dams or rivers and/or from groundwater. At present, irrigation is contributing to a large share of gross domestic product in several African countries. To value the efforts made in this area, Morocco is continuing its south-south cooperation with African countries particularly in the framework of "the Triple A Initiative", aiming at a better adaptation of African Agriculture to Climate Change.

Although substantial progress has been accomplished to develop irrigation, there are still several challenges related to increasing water scarcity, low irrigation efficiency, constraints from climate change, insufficient resilience of small farms, low agricultural productivity, and degradation of natural resources. Most of the African countries are confronted with similar common problems to varying degrees within the agriculture sector. Irrigation represents and remains a great potential towards a better resilience of agriculture in Africa.

To cover these issues and exchange experiences about lessons drawn, innovative technologies, irrigation development strategies to reduce negative impacts of Climate Change on African agriculture, ANAFIDE is organizing under the auspices of ICID and in collaboration with IAV Hassan II and the African Regional Working Group (AFRWG) of ICID, the 5th Regional African Conference on irrigation and drainage with the main topic: "SUSTAINABLE MANAGEMENT OF IRRIGATION FOR IMPROVED RESILIENCE OF AGRICULTURE IN AFRICA". This conference will take place at the Water Museum, Marrakech, Morocco from November 23 to 30, 2021. It will bring together stakeholders, decision-makers, professionals as well as researchers, and donors. ANAFIDE is a long-time active member of ICID and has already organized the 30th IEC meeting in 1979 in Rabat as well as the 38th IEC and the 13th International ICID Congress in 1987 in Casablanca. It will spare no effort to make this coming conference very successful.



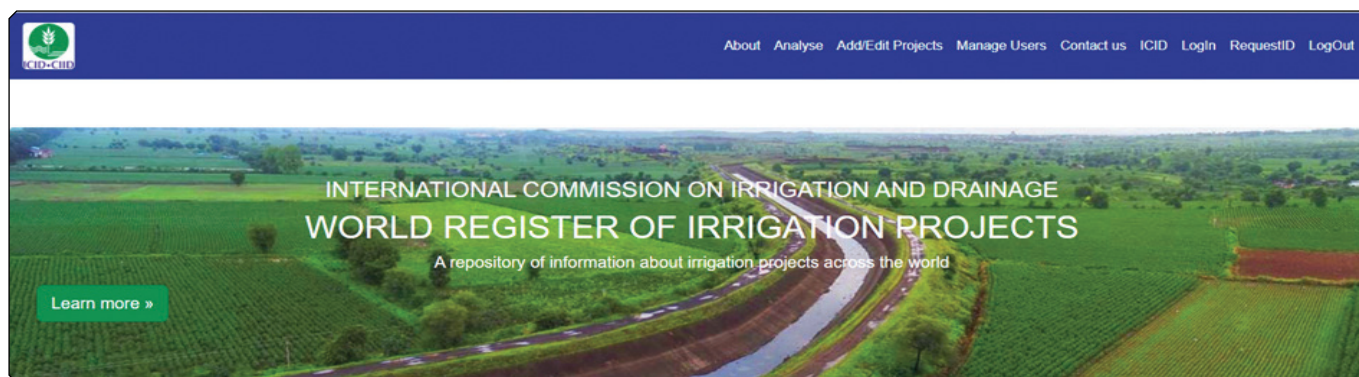
The Moroccan national committee of ICID is pleased to invite you to attend and contribute to this important regional conference that will be held in Morocco at the Water Museum in Marrakech, famous for its historical sites and its parks, especially the Menara olive grove and the Agdal Gardens. An irrigation system built under the Almoravids dynasty is still used to water the city's gardens. Your participation in this conference will also allow you to visit Moroccan achievements in modernized irrigated agriculture and appreciate historical attractive places in the country.

Aziz FERTAH
President
Moroccan National Committee of ICID (ANAFIDE)

ICID President's Activities – September 2021

1	Working Group on Water Saving in Irrigated Areas (WG-WATS) Chairman: Mr. Mehrzad Ehsani	7 September 2021
2	Working Group on Sustainable On-Farm Irrigation System Development (WG-SON-FARM) Chairman: Dr. A.K. Randev	9 September 2021
3	ICID Young Professional's e-Forum (IYPeF) Chairman: Dr. Kumiko TSUJIMOTO	13 September 2021
4	Working Group on Water Food Energy Nexus (WG-WFE-N) Chairman: Prof. Dr. Ragab Ragab, President, ICID	14 September 2021

ICID Initiative for a Global Inventory of Irrigation and Drainage Projects



Need for a Global View

Irrigated agriculture forms the kingpin of the food and water security of the country and the region. Systematic irrigation is practised through irrigation projects of various sizes, which provide the assured source for a sustainable and timely water supply. Thus, an irrigation project forms the atomic unit of irrigation and water resources development. Across the world, irrigation is practised under varying agro-climatic conditions and topography and area appropriate solutions for the same determine the features of individual irrigation projects.

A global view of the irrigation and drainage projects provide great insights into various development approaches followed across the world, their success and their performance. It is observed that the topographic, hydrologic, agronomic and social conditions form a unique combination in which an irrigation project gets planned and implemented. Hence, there is a need to have a global view of the developments which show us the measures adopted and their contexts under a multi-dimensional environment. Attempts are made by various researchers

and practitioners to examine specific issues but examination of a project as a whole in a global context requires a repository of information through which the individual projects of interest can be visualised and approached for lessons.

ICID is the only major international scientific and technical organisation that, through its membership network, spans across more than 90% of the irrigated areas of the world. The necessity for having a global view of projects devoted to irrigation and drainage is greatly felt by the member countries and also across the world by various agencies. ICID has, therefore, taken initiative to collect and provide a community knowledge base of irrigation and drainage projects which can work as a common pool resource for understanding the status of development and approaches used for the development and management project under varying conditions.

Setting up a Register of World Irrigation Projects

Various registers exist in the field of engineering structures and other entities, the most notable from the water resources

angle being the World Register of Dams being maintained by the International Commission on Large Dams (ICOLD). ICID is also maintaining a World Register of Heritage Irrigation Structures and awards recognition to the structures meeting the eligibility criteria.

Most registers examined are about structures and individual components of a system and none recording the features of irrigation and/or drainage project on a worldwide scale. It is, therefore, felt that such a register should be established for irrigation projects and ICID being a key player in the fields of irrigation and drainage is the most suitable agency for the establishment of a Register on "World Irrigation Projects". The authenticity of the projects in the register will be obtained through ICID National Committees.

The facility is presently located at www.icidevents.org/WorldIrrPrjs/Default.aspx and is in the development phase. At the appropriate time, once a critical mass of data is available, the same will be migrated to a dedicated domain duly registered.

Vice President Hon. Dr. Y. Reddy Visited ICID Central Office

ICID Vice President (Hon.) Dr. Y. Reddy, ICID and Dean, Faculty of Agricultural Engineering and Technology, Andhra Pradesh-India visited the ICID Central Office on 24 September 2021. Er. B.A. Chivate, ICID Director (Technical) representing ICID SG, welcomed Dr. Y. Reddy and his team and gave a brief presentation on the various upcoming activities of ICID, the workbodies, regional associations, and the role of ICID in the ongoing 5th Arab Water Forum in which ICID is a key collaborator. VPH Dr. Reddy assured all support for organising the 25th ICID Congress in Vizag City-India in Nov 2023. Er.B. A. Chivate handed over the ICID Coffee Table Book to the visitors.



Publication: African – Asian Journal of Rural Development by African-Asian Rural Development (AARDO)



The Journal covers pertinent themes related to agriculture, rural development, poverty alleviation and sustainable livelihood & development. The first article on “Global Chickpea Production and Instability with Special Reference to India for Trade and Policy Options” highlights the importance of Chickpea as an important nutritious food and third important pulse crop after dry beans and dry peas grown in many countries of the world. South Asia and Gulf nations are centres of consumption of

chickpea. India is leader in terms of planted area and production at global level. It is an important source of income and nutrition to large number of smallholders, especially in dry land areas and consumers around the world. The study analyses global and regional trends and variations in planted area, production, and yield as well as trade scenario of chickpea. The second article on “An Analytical Study of Role of Finance and Investment in Livestock Sector in Egypt” examines the impact of financing and investment on the growth of the livestock sector in Egypt. Results reveal that the geographical distributions of short-term livestock loans are mainly concentrated in two regions i.e.; Sharkia and Dakahlia of Egypt. The author suggests that it is necessary to develop appropriate policies to stimulate the growth of livestock sector and raise its efficiency. The third article on “Assessment of Multidimensional Poverty in Rural Communities of Kwara State of Nigeria” assesses the level of poverty in the rural communities of Kwara State of Nigeria by using the multidimensional poverty assessment approach with the help of four equally weighted dimensions (education, health, standard of living and unemployment) and eleven proportionately weighted indicators. The study recommends, among others, strengthening of agricultural commodity value chains, with particular emphasis on public private partnership investment. The fourth article on “Employment Creation in Rural Bangladesh: Does Microfinance Matter?” examines the role of micro-finance programmes in the creation of enterprise and employment generation in Bangladesh. The paper attempts to investigate the impact of programmes on employment with empirical evidence. Results on socio-economic conditions show that targeted beneficiaries of Agrosor (ME-Micro Enterprise) programme are better off compared to beneficiaries of Jagoron (RUMC- Rural & Urban Micro Credit) programme. It recommends that for creating sustainable full-time employment, more emphasis should be given on the development of rural micro-enterprises and provide intensive entrepreneurship training among the beneficiaries of the programmes. It is hoped that the pertinent issues addressed by the eminent scholars will give an insight to the readers of the Journal and help in making policies and programmes for poverty alleviation, rural livelihood, food security, climate change and sustainable development.

ICID Forthcoming Events

5th African Regional Conference (ARC) and 72nd International Executive Council (IEC) - Theme “Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa” to be held from 23-30 November 2021, Marrakech, Morocco. Website: <http://5arcid.ma/en/>

73rd IEC Meeting & 24th ICID Congress combined with the Irrigation Australia National Conference & Exhibition to be held in Adelaide, Australia from 3 October to 10 October 2022. Website: <https://www.icid2022.com.au/icid-home/>

74th IEC Meeting and 4th World Irrigation Forum (WIF4) will be held during 16-22 April 2023 in Beijing, China.

75th IEC Meeting and 25th ICID Congress will be held in November 2023, Visakhapatnam (Vizag), Andhra Pradesh State, India

76th IEC and 9th Asian Regional Conference (AsRC) will be held from 27 April-2 May 2024 in Sydney, Australia

Other International Events

XV World Aqua Congress - 2021, International Conference and Exhibition Schedule 14-17 September 2021; Aqua Foundation’s World Aqua Congress (Conference & Exhibition) brings together water, environment and related professionals from around the world and offers new insights into how cutting edge research, technological innovation and leading practices shape the major transformation in water management. The conference provides a unique opportunity to learn about the latest trends in best practices, innovative technologies and cutting edge research.

FAO World Water Week! Online! 23 - 27 August 2021. This year, World Water Week will be held as a full-scale digital event on 23-27 August. Join the FAO Land and Water team for an intensive week of learning and collaboration on the overall theme of “Building Resilience Faster”. Together we can develop solutions to address climate change and other water-related challenges. Click the link for more information <http://www.fao.org/sustainable-development-goals/events/detail/en/c/1418762/>

17 IWRA World Water Congress, 29 November - 3 December 2021, Daegu, Republic of Korea, IWRA organises and supports international water congresses and events related to advancing water resources knowledge, policy and management around the world. Since 1973, IWRA has held a World Water Congress every three years in various locations around the world.

The objective of the World Water Congress is to provide a meeting place to share experiences, promote discussion, and to present new knowledge, research results and new developments in the field of water sciences around the world. For almost four decades the World Water Congresses have been excellent events for the identification of major global themes concerning the water agenda, and for the bringing together of a large cross-section of stakeholders for the development and implementation of decisions in the field of water. <https://www.worldwatercongress.com/index.php>

9th World Water Forum March 22 - 27, 2022, Diamniadio (Dakar) – Senegal : The Ninth World Water Forum is scheduled to take place in Dakar, Senegal, from 22-27 March 2022. The event will focus on the theme, “Water Security for Peace and Development,” and will consider four priorities: water security and sanitation; cooperation; rural development; and means tools.



Invitation To Join The Membership of ICID

International Commission on Irrigation and Drainage (ICID), established in 1950 is the leading scientific, technical and professional international organization, which focuses on irrigation, drainage and flood management. Through its membership network, ICID presently represents 90% of the irrigated area of the world. It hardly needs any reemphasis that 80% of world's water resources are consumed by agriculture to ensure food security, and hence the role of irrigation and drainage becomes very important on the agenda of global water management. ICID provides a platform for sharing the knowledge gained and share the innovative practices and methods in irrigation, drainage and flood management and is recognized as a thought leader in the irrigation and water management field. The Vision of ICID is to achieve **"A Water Secure World Free of Poverty and Hunger through Sustainable Rural Development"**, and to achieve this vision, ICID has formulated a 'Road Map to ICID Vision 2030'. Kindly visit the website <http://icid-ciid.org/> for more information.

ICID primarily works at national level with professionals from each country coming together on a National Committee platform often managed at relevant ministry level or under their tutelage. All international professional and developmental institutions like the World Bank, Asian Development Bank, Islamic Development Bank, World Water Council, UN Water, Global Water Partnership and International Water Management Institute, Food and Agriculture Organization of UN and many more are very closely associated with ICID activities and outputs.

Any geographical area independently administered by a sovereign government and having interest in the activities of the Commission is eligible to become a Member National Committee (NC) of ICID. The Commission advocates for the National Committees to be broad-based, multi-disciplinary and should provide a platform for collaboration among various institutions having related aims within their countries. Also an Institution/ Company or an Individual can be a DIRECT Member of ICID through their National Committee (NC).

Countries can have advantage of technologies and skills which are being showcased for the benefit of world communities at different levels of development through ICID activities. The developing world is actively looking for the relevant technological and managerial interventions in the critical sector of Irrigation and Drainage and I am sure your country also leverage to your advantage. This new opportunity has great potential to enhance the working of ICID and hopefully will result in greater global exchanges of experiences and multidisciplinary innovations. By joining ICID, the country would be able to receive:

- i. Exposure of research and latest technical activities to the professionals including approach and exposure to Irrigation and Drainage Journal (IRD) and other ICID publications, webinars etc.
- ii. Capacity building – for professionals and young professionals
- iii. Networking with various world institutions and professionals
- iv. Wide knowledge base
- v. Participation in ICID activities like Congress, World Irrigation Forum (WIF), Regional conferences, International Executive council (IEC) etc.
- vi. Many other benefits

For joining ICID Membership and procedure for application and subscription amount, etc., please access the link - https://www.icid.org/join_nc.html Alternately, you may contact Er. Balasaheb Anantrao Chivate, Director (Technical), International Commission on Irrigation and Drainage (ICID), <icid@icid.org> for more information and/or clarifications, if any. The Secretary General, International Commission on Irrigation and Drainage (ICID)



International Commission on
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