

News Update



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

MARCH 2022

From Secretary-General's Desk

Dear Colleagues,

We at ICID are gearing up for a series of international events this year and the next, including the ICID Foundation Day Celebrations by all National Committees (NCs) on 24th June 2022, the 24th ICID Congress in Australia, the 10th Micro-Irrigation Conference in Morocco, the 4th World Irrigation Forum in China, and the 25th ICID Congress in India. ICID is working closely with the host NCs for the successful organization of these events. We will keep you updated through all possible media and are looking forward to your participation and cooperation. You would agree that collaboration is the keyword here.



Now let me briefly talk about the technical aspect of the upcoming ICID

Foundation Day Celebrations on the 24th June 2022. Considering the ongoing COVID-19 pandemic and the geopolitical situation, this year's suggested theme is the "Role of Modern Irrigation in Global Food Security." Lately, we have been witnessing an explosion of discussions and opinion pieces by subject-matter specialists in the mass media, which is entirely justified considering the gravity of the food-security problem in many parts of the world. Irrigation contributes majorly to increased crop productivity on a given farm and enables multiple cropping on the same land area. The use of modern technologies allows precision irrigation to save scarce water resources and reduce food production costs. A diverse group of experts has been identified to explore the theme further and recommend a way forward. The proceedings of the deliberations will be shared with you all and we hope you will find them useful in your context.

Through my subsequent messages in this monthly News Update, I will be

briefing us all on the thematic side of other events too. ICID organized and participated in several other international webinars and events this month, which have been covered in this issue and links to video recordings are also provided. The newly designed ICID website serves as a gateway to knowledge resources originating from events by ICID and its NCs and international collaborators.

Lastly, I would like to remind us all that nominations are invited from NCs for ICID's two popular programs – WatSave Awards and World Heritage Irrigation Structures (WHIS). More details on the nomination processes are given in this issue of ICID News Update.

Wishing you all the best!

Ashwin Pandya
Secretary-General, ICID

ICID Organized a Webinar on Precise Land Reclamation as a Tool of Precision Agriculture on 16 March 2022

ICID, in collaboration with RUCID and other partners, organized a webinar on "Precise Land Reclamation as a Tool of Precision Agriculture" on 16 March 2022. The Secretary-General Er. A. B. Pandya welcomed all the participants, including speakers VP (Hon.) Dr. Irina Bondarik and Prof. Vitalii V. Shabanov and the panellist including Mr. Alehandr Soloshenkov and Mr. Oleg A. Strijnikov. The opening remarks were given by President Prof. Dr. Ragab. Dr. Ragab mainly focused on the importance of GPS technology, which can be used to increase the output in terms of food, lower water consumption, support soil health, and lower inputs and greenhouse emissions. He also talked about how GPS/GIS technology identifies the level of input required for doubling the food production needed by 2050 when our population may reach 9 billion. In the

end, Dr. Ragab Ragab appreciated and thanked all the participants for their valuable contributions to ICID. During the session, highly informative and interesting lectures were delivered by experts who interacted with participants and responded to their queries.

Precision agriculture (PA) is a farming management concept based on observing, measuring, and responding to inter and intra-field variability of crops. The goal of precision agriculture research is to define a decision support system (DSS) for whole-farm management with the goal of optimizing returns on inputs while preserving resources. The practice of precision agriculture has been enabled by the advent of GPS and GNSS. The farmer's and/or researcher's ability to locate their precise position in a field allows for the



creation of maps of the spatial variability of as many characteristics that can be measured (e.g. crop yield, terrain features/topography, organic matter content, moisture levels, nitrogen levels, pH, EC, Mg, K, and others).

The main instrument of precision agriculture is the precise reclamation, which help to regulate of main factors of plant life and soil biota (precise reclamation). Precision reclamation is

based on devices that allow creating optimal conditions (for terrestrial and/or soil biota) at the right time, at the right point, with accurate dosing of exposure rates.

The webinar presentations demonstrated a system of mathematical models organized as a decision-making flowchart to provide results for land reclamation at different scales. Macro scales – geographical (climatic) zones. “Map of reclamation needs in different zones of Russia”.

Meso-scale - landscape zones. “Maps of the necessity and potential productivity of land reclamation for various crops on various elements of the landscape”. Micro-scale - local spaces of an agricultural field with a homogeneous soil contour to create optimal conditions for the vital activity of the soil biotic community.

Management of the vital activity of soil biota allows maximizing the use (deposition in biomass) of carbon dioxide during photosynthesis and minimizing the “carbon footprint”.

Thus, differentiated management of plant habitat and soil biota within the framework of “precision agriculture” used for precise reclamation will increase fertility, minimize pesticide application, and increase the environmental friendliness of agricultural products. An increase in the total biomass will increase the structure-forming and

soil-protecting functions of the system, plants - soil biota, which will allow resisting of soil erosion.

SPEAKERS

VPH Dr. Irene Bondarik

Dr. Irina G. Bondarik is a Leading Researcher of the Department on Ecosystem Water Management and Economy of the All-Russian Scientific Institute for Hydraulic Engineering and Land Reclamation and Secretary General of the National Committee of the Russian Federation on Irrigation and Drainage (RUCID) (since 1998). She has immensely contributed in various capacities to ICID Working Groups, such as Working Group on Technology and Research Uptake; Work Team on Drainage; European Regional Working Group; WG on Sustainable Drainage and Permanent Finance Committee.

Prof. Vitalii V. Shabanov

Vitaly V. Shabanov, Professor, Doctor of Technical Sciences - specialist and lecturer in the field of integrated land reclamation and water management, who knows the methods of system analysis, mathematical modeling and the development of new directions in land reclamation related to climate change and green economy. He has worked as an international expert in the USA, Mexico, Italy, Hungary, Czech Republic, Poland. Currently, Dr. Shabanov is scientific heard

of the “Problem Laboratory theoretical approaches development for the management of water, salt and thermal regimes on reclaimed lands.

PANELLISTS

Mr. Alehandr Soloshenkov

Soloshenkov Aleksandr D., research assistant at the “Problem Research Laboratory for the Development of Theoretical Foundations for the Joint Management of Water, Salt and Thermal Regimes of Reclaimed Lands”. He has competencies in the development of software and hardware systems, data analysis and programming. In the last year, he served as the chief of the Sectoral Agrarian Business Incubator.

Mr. Oleg A.Strijnikov

Oleg A. Strijnikov, Junior Researcher since 2018 of the Department of Ecosystem Water Use of the FSBI All-Russian research institute for hydraulic engineering and land reclamation by A.N.Kostyakov. Research interests: Methods of wastewater treatment of industrial enterprises, rational use of water resources for the needs of agriculture, land restoration after man-made impact.

For the full access to the recorded webinar, please click the link below:

<https://www.youtube.com/watch?v=4NTwP5vU12Y&t=373s>

Secretary-General Er. A. B. Pandya’s Visit to the African-Asian Rural Development Organization

Secretary-General Er. A.B Pandya with other ICID representatives including Er. H.K Verma (Executive Director, ICID) and Er. B. A Chivate (Director Technical, ICID) has paid a visit to the African Asian Development Organization Central Office, New Delhi on 25 February 2022. Dr. Manoj Nardeosingh, Secretary-General, AARDO welcomes all the delegates. The session is going with a series of round talk, including the vision of ICID & AARDO in the framework of the food, energy, hunger, agriculture and how to uplift the standard of living and sustain the SDG’s by 2030.

During the meeting, SG A. B. Pandya gave the ICID’s new Publication “ICID Coffee Table Book” to Dr. Manoj Nardeosingh, Secretary-General AARDO, which enrich the journey of the last 70 years of ICID from its foundation.

Er. A. B. Pandya gave the presentation regarding the ongoing activities and upcoming events of ICID such as 24 ICID Congress and 73rd IEC Meeting of ICID, Adelaide, South Australia, and the 4th World Irrigation Forum, Beijing, China. The guidelines for the preparation and conduct of ICID Congresses were shared and discussed. The structure of the Congress was explained through the standard format for ICID Congresses and IEC meetings and the schedule of major activities.

Dr. Manoj Nardeosingh expressed a keen interest in the activities of ICID. He also expressed his appreciation for ICID’s role in promoting global collaboration



in irrigation and drainage to achieve a water-secure world free of poverty and hunger. Dr. Manoj Nardeosingh gave his full support to ICID on upcoming events under the MoU between ICID and AARDO based on similar goals in food security, water management and hunger.

Tea-Time Talk on Sustainable Irrigation Development

ICID with British National Committee of the International Commission on Irrigation and Drainage or IWF/ICID, UK jointly organized a tea-time talk on the topic “Sustainable Irrigation Development: A Water-Energy-Food (WEF) Nexus Perspective Achieving More Crop Per Drop Per Joule Per Hectare Under Climate Change” on 15 March 2022.

The background for the talk is that food production needs to increase by 50% by 2050, with linked demand increases of approximately 6-55% for water, 60-100% for energy, and 10-20% for land. This is against a backdrop of climate change impacts such as increasing water scarcity that threatens water availability for agriculture particularly in the global South. Agricultural water management needs to align with long-term strategies and commitments proposed at COP26 to reach net-zero emissions by mid-century. Sustainable irrigation development under climate change will require, among other things, integrative approaches and irrigation technologies and strategies that help to increase yields while

optimising water, land, and energy use efficiencies and environmental wellbeing. This is a daunting and complex task, which calls for (i) managing rather than meeting demand, (ii) transformative and systems approaches, (iii) landscape-level management, and (iv) transitioning food systems towards being sustainable and resilient. This will require an understanding of trade-offs and synergies among the interlinked water, energy, food and land systems.

The programme’s major aims were to focus on sustainable irrigation development, particularly how the water-energy-food (WEF) nexus approach can be applied to systematically appraise the performance of irrigation technologies for optimizing synergies, and managing and mitigating trade-offs in resource utilization under climate change. Secondary to this, the impact of adopting the WEF nexus on improving efficiency in irrigated agriculture through irrigation modernization and managing trade-offs across spatial and temporal scales will be discussed.

The programme also provided a forum to discuss the possible regulations and mitigation strategies to avoid the food loss by means of natural including pathogen, climate, natural disaster etc.

About Presenter: Dr. Tafadzwanashe Mabhaudhi, Senior Researcher: Agricultural Water Management International Water Management Institute (IWMI), South Africa. Tafadzwa has experience in research, development, capacity building and building partnerships across academia, public and private sectors, civil society, and communities. He has experience in multi- and transdisciplinary research covering sustainable food systems, global environmental change and the water-energy-food nexus. His goal is to work on research and development that is dynamic, transformative, informs policy and achieves real-life impacts in poor communities.

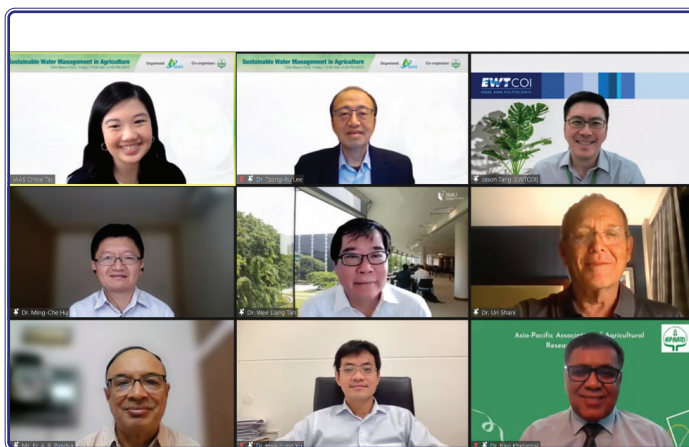


Secretary-General Er. A. B. Pandya Presented in IAAS Webinar on “Sustainable Water Management in Agriculture”

International Association for Agricultural Sustainability (IAAS) held the webinar “Sustainable Water Management in Agriculture” on 25 March 2022. This webinar successfully gathered more than 400 scholars and industry professionals from 53 countries.

Dr Tzong-Ru Lee, Chairman of the International Association for Agricultural Sustainability (IAAS) and professor of National Chung Hsing University, highlighted in his opening speech that according to a study by The Food and Agriculture Organization of the United Nations, 70 per cent of the world’s water use is for agricultural irrigation and the remaining 30 percent is for industrial use and people’s livelihoods. But climate change, coupled with a growing global population that demands more food, has made water management a serious and urgent issue.

The webinar was kicked off by the guest speaker, Dr. Jason Tang, Director of Environmental & Water Technology Centre of Innovation (EWTCOI), Singapore. Dr. Tang introduced that EWTCOI was established in 2006 with the



support of The Enterprise of Singapore (ESG) and consists of 25 interdisciplinary research experts. EWTCOI addresses issues in water management, energy efficiency and waste management, and circular economy for businesses in Singapore and Southeast Asia.

Next, Dr. Ming-Che Hu, the Professor of Sustainable Development Laboratory at the Department of Bioenvironmental Systems Engineering, National Taiwan University, shared with us the spectrum

optimization analysis of water systems connected to water supply systems, which can accurately improve the allocation and utilization of water resources.

Followed by Dr. Uri Shani, the Founder of N-Drip and professor at Hebrew University of Jerusalem, to explain why gravitational drip is an ultimate alternative to flood irrigation and how it mitigates the global water shortage enabling farmers precise, cost-efficient, and sustainable solutions.

Most intriguing session of the webinar was the panel discussion. It was moderated by Dr. Wee Liang Tan, Associate Professor of Strategic Management at Singapore Management University (SMU) and composed of Dr. Jason Tang, Director of Environmental & Water Technology Centre of Innovation (EWTCOI), Singapore, Er. A. B. Pandya, Secretary-General of International Commission on Irrigation and Drainage (ICID) Central

Office, India, and Dr. Hwa-Lung Yu, Vice President of Chinese Taipei Committee of ICID, Professor and Chairman of Bioenvironmental Systems Engineering.

During the panel discussion, Dr. Hwa-Lung Yu mentioned that they are currently focusing on the following key issues: Optimization of the national irrigation system, Groundwater management and Water reclamation and reuse. He

stated that “I believe that achieving sustainable water resources is a major and complex project, and it needs to be improved from four aspects: economy, technology, sustainability, and education.” Er. A. B. Pandya summed up years of his experience at the end of the panel discussion.

Dr. Saeed Nairizi, ICID President (Hon) and Alireza Salamat Represented ICID during the 9th World Water Forum, Dakar, Senegal, 21-26 March 2022

The World Water Forum (WWF) is the world's largest event on water. It has been organized every three years since 1997 by the World Water Council (WWC) in partnership with a host country. It brings together participants from all levels and areas, including government agencies, multilateral institutions, academia, civil society and the private sector, and provides a unique platform where the international water community and key decision-makers can meet to plan long-term progress on global water challenges.

The 9th WWF, held in Dakar, Senegal 21-27 March 2022 with around 500

participants from around the world, was the first of its kind hosted in sub-Saharan Africa. This event focused on four priorities, namely: 1-Water security and sanitation, 2-Water for rural development, 3-Cooperation and 4-Means and Tools, including the crucial issues of financing, governance, knowledge management and innovation; four axes that constitute priorities for Africa and also for the world as a whole.

On behalf of the International Commission on Irrigation and Drainage, Dr. Saeed Nairizi, President Hon., and Er. Alireza Salamat organized two main thematic



sessions on “Smart Water Management” and “Switching from Rural Development to Rural Transformation” during the forum. Both sessions were highly received by the participants of various countries attending this international event.

An Update on 25th ICID International Congress and 75th IEC Meeting 6-13 November 2023, Vishakhapatnam (Vizag), Andhra Pradesh, India

The 71st International Executive Council (IEC) Meeting held virtually from 7-8 December 2020 approved the hosting of the 25th ICID Congress and 75th IEC meeting at Vishakhapatnam (Vizag), Andhra Pradesh, India from 6-13 November 2023. The ICID Congress is being held in India after a gap of more than five decades (6th ICID Congress, New Delhi, 1966). As a follow-up, The Indian National Committee on Irrigation and Drainage (INCID) team headed by Mr. Kushvinder Vohra, Member (WP&P), Central Water Commission (CWC), Mr. Rishi Srivastava, Director (Remote Sensing), CWC, and Vice President Hon. Dr. K Yella Reddy, Dean, Acharya N. G. Ranga Agricultural University (ANGRAU) visited the host city to take stock of the situation and arrangements. In addition, Mr. D. Ranga Reddy Chief Engineer, KGBO, Hyderabad; Mr. C. Narayana Reddy Engineer-in-Chief, WRD, A.P.; Mr. M. Raghuram Superintending Engineer, Godavari Circle, KGBO, Hyderabad; Dr. Vishnu Vardhan,

Associate Professor & Technical Officer, ANGRAU; Mr. P. V. K. Jagannadha Rao Principal Scientist & University Head (PFE), ANGRAU; Mr. Umesh Kumar, Executive Engineer, L.M.C Div, Polavaram Project, WRD, Visakhapatnam, A.P.; Mr. P. Sricharan, Deputy Executive Engineer, WRD, A.P.; and Mr. Ashraf Basha, Sub Div. Engineer, CWC, Visakhapatnam, A.P. also joined the visiting team.

To update the progress of the Congress, VPH Dr. K Yella Reddy, and Dr. Guruva Reddy (ANGRAU) visited ICID Central Office on 23 March 2022 and held a meeting with Er. Harish Kumar Varma, Executive Director, Er. Balasaheb Anantrao Chivate, Director (Technical), and Mr. Madhu Mohanan, Communication Officer. Making use of the Delhi visit and ongoing Parliament Session, VPH Dr. Reddy met Hon'ble Members of the Parliament from Andhra Pradesh, Mr. Vijaysai Reddy, Mr. Mithun Reddy, Mr.



Brahmananda Reddy, Dr. Mrs Satyavati, and Mrs. Geetha and briefed about the ICID activities and the scheduled 25th ICID Congress and 75th IEC Meeting at Vizag. A copy of the ICID@70 Coffee Table Book was also presented to showcase the rich history of ICID and its role in achieving the vision of “A water secure world free of poverty and hunger through sustainable rural development”. Hon'ble Members of the Parliament from Andhra Pradesh welcomed the initiative and assured their full support for the success of the event.

ICID President's Activity in March 2022

#	Activity	Date
1	Committee On Congresses / Conferences (C-CONGR) Chairman: Mr. Bryan Ward	03 March 2022 at 12:30 Hour (IST)

Nomination Invited for 2022 ICID Awards

ICID is pleased to announce the "Call for Nominations for 2022 WatSave Awards and Recognition of World Heritage Irrigation Structures (WHIS) for the 73rd IEC Meeting and 24th ICID International Congress on Irrigation and Drainage 2022, South Adelaide, Australia.

WatSave Awards 2022

ICID instituted the 'WatSave Awards' in 1997, presented every year, to recognize outstanding contributions to water conservation or water saving in agriculture across the world. Accordingly, 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. The awards are given in four categories: (i) Technology (ii) Innovative Water Management (iii) Young Professionals; and (iv) Farmer.

Nominations are invited from individuals/team through National Committees/Committee. The entries are open to all professionals/teams from ICID member countries as well as non-member countries. In case of an entry from a non-member country, the nomination has to be routed through and validated by an active National Committee of ICID, who should be in touch with the nominee and must be aware of his/her work. For more information please click the link: <http://icid-ciid.org/award/watsave/43>

World Heritage Irrigation Structures (WHIS) 2022

Nominations are invited from ICID National Committees for selection of "World Heritage Irrigation Structures" (WHIS) that includes both old operational irrigation structures as well as those having an archival value.

A National Committee can nominate more than one structure, using separate nomination form for each. Associated Members and non-member countries can nominate their structures through neighbouring active NCs or by submitting directly to ICID Central Office.

The deadline for receipt of the entries for WatSave Awards and WHIS from the National Committees along with the completed 'Nomination Form' and related details to the ICID Central Office, New Delhi, India is **30th June 2022**.

More information including the detailed procedure for nomination and criterion for the awards can be accessed at <http://icid-ciid.org/award/his/44>

For any queries, please icid@icid.org

Call for Papers: 24th ICID International Congress on Irrigation and Drainage

03-10 October Adelaide, South Australia

The Congress Theme: Innovation and Research in Agricultural Water Management to Achieve Sustainable Development Goals The Congress aims to provide a platform for irrigation and drainage professionals and the broad range of other stakeholders to share their knowledge and experience in sustainable agriculture water management, focusing on irrigation management and its related/integrated aspects. To find out further information and to submit an abstract, please visit Irrigation Australia's conference website <https://www.icid2022.com.au/call-for-papers/how-to-submit-papers/>

For all the information on submitting an extract - you can also download the ICID Call for Papers Flyer on the following link: https://mcusercontent.com/ad3d7801a3707d168c030e520/files/2a975c86-852a-f3bc-5cf7-a2a4ef6483c7/24cong_callforpapers.pdf

Call for Papers: International Workshop on Modernizing Irrigation and Drainage Services,

Adelaide, 2022

The main theme of the International Workshop is Modernizing Irrigation and Drainage with a focus on the arrangements for provision of irrigation services. Arrangements for upgrading irrigation and drainage services go beyond rehabilitation of infrastructure to include the institutional and management arrangements required to enable irrigation supplies responsive to farmer's requirements.

The objective of the workshop is to bring together irrigators, system operators and researchers to present and discuss the current state of knowledge and experiences in creating irrigation and drainage services that are responsive to the changing needs of farmers and the environments in which irrigation and/or drainage takes place. https://icid-ciid.org/icid_data_web/call-papers_M&R_2022.pdf

Launch of Dam and Network Safety Assurance (DNSA) Course - 3rd Batch

Inviting registrations/ nominations for online certification in dam and network safety assurance- Batch-III - ICID invites you to join the first-ever LMS-based certificate course on dam and network safety assurance. The course covers the entire gamut of establishing a dam and network safety regime and all the techniques involved in assuring the dam and network safety. You can register online here <https://damsafety.co/register> and for more information click <https://damsafety.co/>

11th International Drainage Symposium

August 30 - September 2; Des Moines, Iowa

Solutions to agricultural drainage challenges and opportunities will be the focus of the 11th International Drainage Symposium, held August 30-September 2, 2022 at the Marriott Des Moines Downtown in Des Moines, Iowa, USA. Two days of sessions will highlight challenge of increasing agricultural production on the world's poorly drained soils in a changing climate, with ever-increasing water quality and quantity concerns, will require technical, economic, policy, and social perspectives. The third day of the symposium will feature field tours highlighting some of the innovative drainage work happening in the local area. The symposium will provide an opportunity for the research, agency, industry, and practitioner communities to interact, share experiences, and address emerging issues related to agricultural drainage. For more information please click the link: <https://www.swcs.org/events/conferences/22ids/>

International Workshop on “Public-Private-Partnership (PPPs) in Irrigation and Drainage Operation and Maintenance toward sustainable Irrigated Agricultural water management”

04 October 2022, 14:00-18:15 hours (TBC)
Adelaide, Australia

The objective of this workshop is to follow-up the IOA Workshop in Denpasar, Bali Indonesia that was conducted on 2nd September 2019 on the theme “Participatory Irrigation/ Drainage Management – PIDM and Management Transfer, Approaches and condition for successful PIDM” to provide subsequently for a wider platform for irrigation and drainage professionals in the scope of activities related to the comprehensive mandate of WG-IOA, particularly in this proposal related with Mandate 3, which is “Public-Private Partnership (PPPs) in irrigation and drainage operation as well as Mechanism for Cost Recovery”, covering among others: possibilities of and requirements for successful Public-Private Partnerships (PPPs) in irrigation/ drainage operation and management; methods and mechanisms for charging of irrigation/ drainage services; and determination of the level of cost recovery. The workshop materials will therefore be based on review experiences and approach with IOA in the countries or regions that are having practical experiences on PPPs under the PIDM or IDMT programs both on conventional irrigation as well as on micro-irrigation technology practices toward sustainable agriculture water management.

For more information contact coordinates:

Workshop Chairperson: Dr. Hafied A. Gany, P.Er. Chairman, WG-IOA (hafiedgany@yahoo.com; hafiedgany@gmail.com)

Workshop Coordinator: Er. Harish Kumar Varma, Executive Director, ICID Central Office (icid@icid.org)

Or click the link :https://icid-ciid.org/icid_data_web/call-papers_M&R_2022.pdf

Call for Papers International Workshop on “Managing on the Regional, State or Local Level, Water Scarcity Resulting from Conflicting Demands”

Water scarcity is both a natural and a human-made phenomenon. At the current consumption rate, it is projected that by 2025, two-thirds of the world's population may face water shortages. Water shortages may be caused by climate change, increased population, increased recognition of environmental needs for water and increased human demand. Water scarcity can be in the form of physical water scarcity and economic water scarcity. Physical water scarcity refers to a situation where natural water resources are unable to meet a region's demand and economic water scarcity is a result of poor water resources management.

The main theme of the International Workshop of WG-MWSCD is “Managing, on the Regional, State and Local Levels, Water Scarcity Resulting from Conflicting Demands”. The Workshop is organized by ICID's Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD) during the 24th ICID Congress and 73rd International Executive Council (IEC) meeting from 3-10 October 2022 at Adelaide, Australia.

Schedule for submission of abstracts / full papers

- i. Submission of abstracts (max. 300 words) : **30 May 2022**
- ii. Notification of acceptance : **15 June 2022**
- iii. Submission of full papers (max. 10 pages) : **30 July 2022**
- iv. Notification of acceptance of full papers : **12 August 2022**

For more information contact coordinates: **Workshop Chairman:** VPH Franklin E. Dimick, Chair WG-MWSCD (E-mail: frankdimick@gmail.com)

Workshop Coordinator: Er. Harish Kumar Varma, Executive Director, ICID Central Office (icid@icid.org)

Call for Papers for International Workshop on “The Water-Energy-Food-Nexus: Implementation and Examples of Applications”

Objectives: This Workshop will bring together experts from all over the world to share information, experience, and views on

how to implement the water-energy-food nexus in agriculture. The focus will be on the practice application and address the three elements of the Nexus: Water, Food and Energy.

The main theme of the International Workshop of Working Group is "The Water-Energy-Food-Nexus: Implementation and Examples of Applications".

Schedule for submission of abstracts / full papers•

- Submission of abstracts (max. 600 words) : **30 May 2022**
- Notification of acceptance : **15 June 2022**
- Submission of full papers (max. 10 pages of A-4 size): **30 July 2022**
- Notification of acceptance of full papers : **01 August 2022**

For more information contact coordinates:

Workshop Chairman: Dr Ragab Ragab, President of ICID, Chairman of the Working Group on "Water-Energy-Food Nexus" and Fellow at UK Centre for Ecology & Hydrology, UKCEH, UK email: ragab@icid.org

Dr. K Yella Reddy, Vice President Hon. ICID; Dean, AMGR Agricultural University; Secretary, WG on "Water-Energy-Food Nexus" (E-mail: yellark@gmail.com); and Former Director (A&R), WALAMTARI, Hyderabad, India

Workshop Coordinator: Er. Balasaheb Anantrao Chivate, Director (Technical), International Commission on Irrigation and Drainage (ICID) (E-mail: icid@icid.org), New Delhi. India

Or, Click the link https://icid-ciid.org/icid_data_web/wsp2022_wfe-n.pdf

Call for abstracts for the International Workshop on "Nonconventional Irrigation in High Value Agriculture - Application of Modern Technologies"

04 October 2022 (TBC) in Adelaide, South Australia

This workshop is being organised by the Working Group on Use of Non-conventional Water Resources for Irrigation (WG-NCWRI), under the auspices of the International Commission for Irrigation and Drainage (ICID) in conjunction with the Irrigation Australia Limited (IAL).

2nd International and 15th National Congress on Agricultural Structures and Irrigation

12-15 May 2022, Diyarbakir, Turkey

The "International Congress and Workshop on Agricultural Structures and Irrigation" (www.icas2021.org) to be held in Diyarbakir, Turkiye, on 12-15 May 2022. The Congress and Workshop covers especially agricultural irrigation, water management, drought, climate change, irrigation-environment relationship, waste water use, remote sensing in agricultural irrigation and smart systems including all

other related issues. This international event can be attended with or without presentation. The abstract submission deadline is 11 February 2022 for those who want to participate with a paper. In addition, considerable advantages and some facilities will be provided to the students and young colleagues. All details and explanations are on the congress website. Some distinguished national

OBITUARY

President (Hon.) Marvin Eli Jensen (30th March 2022)



With profound grief, we inform the sad news of the passing away of President Hon. Marvin Jensen, who served ICID as its President during the term 1984-87 and was a highly respected member of the entire ICID family. His services were immense not only to the US National Committee but also to ICID.

During his impeccable professional career, Dr. Jensen conducted and supervised irrigation and related soil management research. More than 100 technical papers were there to his credit and edited the American Society of Agricultural Engineers Monograph on Irrigation Systems published first in 1980 and revised in 1983. He was the recipient of several awards and honors and had actively been involved in foreign research programs.

On behalf of ICID fraternity, we express our deep sympathy and condolences to the bereaved family and to the US National Committee on Irrigation and Drainage (USCID). We wish strength and peace to his near and dear ones at this time of great grief. With his passing away, the irrigation and drainage community lost a very distinguished member. We personally feel the vacuum, as we considered him as a friend and mentor. May his soul rest in eternal peace!

Workshop Themes:

- Fundamental/Applied science of nonconventional water irrigation and drainage
- Application of sensors and remote sensing in high value horticulture
- Numerical modelling for better decision making of using nonconventional water in orchards
- Environmental, economic, social, and cultural aspects of nonconventional irrigation
- Gender equity in high value horticulture irrigated with nonconventional water

For more information please click the link file:///C:/Users/admin/Downloads/1st%20Circular_Nnonconventional%20water_workshop_4OCT2022_Australia.pdf



ICID Initiative for a Global Inventory of Irrigation and Drainage Schemes



Need 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 visualized and approached for lessons.

ICID is the only major international scientific and technical organization 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 Schemes

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.

Forthcoming Events

73rd IEC Meeting and 24th ICID Congress, 3-10 October 2022, Adelaide, Australia Theme: Innovation and research in agriculture water management to achieve sustainable development goals Website: <https://www.icid2022.com.au/>

Geosynthetics Events: Held at ICID Congress & Irrigation Australia Conference

The Geosynthetics Event at the ICID Congress and Irrigation Australia Conference – Adelaide October 2022 - Enhancing the performance of Canals, Reservoirs and Dams with Geosynthetics. The International Geosynthetics Society (IGS) in collaboration with Irrigation Australia (IAL) and the International Commission on Irrigation & Drainage (ICID) have agreed to host a one-day workshop at the ICID 24th Irrigation Congress and Irrigation Australia Conference and Exhibition at the Adelaide Convention Centre on 4 October 2022 on enhancing the performance of canals, reservoirs and dams using geosynthetics.

74th IEC Meeting and 4th World Irrigation Forum 16-22 April 2023, Beijing, China. Theme: Modernization of Irrigation Schemes (MIS)- Water saving & Green development (Tentative), NC Contact : Mr. Gao Lihui, Executive Secretary, Chinese National Committee on Irrigation and Drainage (CNCID), 1, Yuyuantan South Road Beijing 100038, Email : gaoh@iwhr.com, cnid_office@sina.com, lihui.gao@qq.com. Location - Guoce International Convention & Exhibition Center, Beijing, China

75th IEC Meeting and 25th ICID Congress 6-13 November 2023, Vizag, Andhra Pradesh, India. Theme: Tackling Water Scarcity in Agriculture Contact: rishi1964@yahoo.com, yellark@gmail.com

10th International Micro Irrigation Conference 25-27 January 2023, Agadir - Dakhla, Morocco. Theme: Micro Irrigation in the Era of Technology, Innovation and Digital Transformation, Website: <http://10imic.ma/>

Contact: wafae.elkhousmi@gmail.com; bartali.h@gmail.com; m.benmoussa@iav.ac.ma; anafide.ma@gmail.com

76th IEC Meeting and 9th Asian Regional Conference 1-7 September 2024, Sydney, Australia. Website: <http://www.irrigationaustralia.com.au/>

77th IEC Meeting and 5th World Irrigation Forum May 2025, Kuala Lumpur, Malaysia. Theme: Challenges and future needs in modernization of irrigation for food security and sustainability.

Update from USCID

Ms. Amber Weber elected as a new Executive Vice President of USCID as she is succeeding VPH Mr. Larry D. Stephens, who has served USCID magnificently for almost four decades.

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