

News Update



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

FEBRUARY 2022

From Secretary-General's Desk

Dear Colleagues,

In one of the recent issues of this News Update, I informed you about the expanding footprint of ICID in the Middle East region through the Arab Water Forum, and now I am pleased to share that a similar approach is being followed in Central Asia. The Hon'ble Ambassador of Tajikistan to India visited us at the Central Office with his team in February 2022 to discuss the upcoming DUSHANBE WATER PROCESS: The 2nd High-Level International Conference on International Decade for Action ("Water for Sustainable Development"). During the visit, we had wide-ranging discussions and the Hon'ble Ambassador sought ICID's technical support for the conference and its various sessions. We are now identifying the relevant experts from the ICID side who would be available and willing to contribute. Last year, ICID had supported similarly the Uzbekistan National Committee's technical forum. Through this note, I seek expression of interest from the subject-matter experts. Please reach us at icid@icid.org. More details are given in this issue.



In February, ICID organized two high-profile webinars on "Updates and Advances to the FAO56 Crop Water Requirements Methods" and "Integrated Water Resources Management in Large Basins using Simulation and Modelling Tools". Both the webinars generated significant interest in the professional community and jointly had more than 1000 participants. Those who missed the live webinars can watch the videos on the ICID website, and still can send their queries, if any, and we will forward them to the respective presenters. Both the topics are highly relevant in today's context as an accurate measurement of crop water requirement can lead us to precise water delivery through optimum use of the irrigation infrastructure, and large basins do require integrated approaches as the water use is highly diversified in most development scenarios across the world. River-linking projects and inter-basin water transfers also require analytical decision-making support at various levels. I am sure you will find the two webinars very useful in your professional spheres.

The recent IEC meeting of ICID in Morocco has initiated a knowledge-transfer collaboration between the Morocco National Committee (ANAFIDE) and the Nigerian National Committee as a high-level Nigerian delegation is currently visiting Morocco to observe and

study local approaches to agricultural water management by touring various irrigation projects there. ICID welcomes such international collaborations and will continue to do so in the future.

In closing, I would like to remind the ICID National Committees (NCs) for expediting their nominations for the WatSave Awards 2022 and the Recognition of World Heritage Irrigation Structures (WHIS), two popular programs organized by ICID every year. More details of the nomination process are given in this issue. I would also like to remind you about the World Register of Irrigation Schemes and request all the NCs to promote data input in the portal for building a common resource of ICID. Also, I would like to inform all that despite the COVID19 pandemic ICID activities have not been scaled back, so please keep in touch for the latest developments and upcoming events.

Wishing Best,

Ashwin B. Pandya
Secretary-General, ICID

Tajikistan Ambassador H.E. Mr. Lukmon Bobokalonzoda visits ICID Central Office

H.E. Mr. Lukmon Bobokalonzoda, Ambassador of Tajikistan paid a visit to the International Commission on Irrigation and Drainage (ICID) Central Office on 22 February 2022. ICID Secretary-General Er. Ashwin B. Pandya welcomed Mr. Lukmon Bobokalonzoda and his team. The visitors had wide-ranging discussions with the Secretary-General Er. Ashwin B. Pandya, Executive Director Er. H. K. Varma, Director (Technical) Er. B. A. Chivate, and Director (Knowledge Management) Dr. Sahdev Singh. Secretary-General Pandya gave a brief presentation on the various activities



of ICID. The presentation highlighted the important role of Tajikistan as a member of ICID since the inception of ICID in 1950. Mr. L. Bobokalonzoda and Er. Pandya discussed the upcoming DUSHANBE WATER PROCESS 2nd High-Level International Conference on International Decade for Action “Water for Sustainable Development”, 6-9 June 2022. Secretary-General also invited Mr. Lukmon Bobokalonzoda for the upcoming 74th IEC of ICID, Adelaide, South Australia in October 2022. Mr. Lukmon Bobokalonzoda expressed 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.

The Second Dushanbe Water Action Decade Conference will be co-organized by the Government of Tajikistan and the United Nations and planned to be held in June 2022. The Conference will be co-chaired by the Prime Minister of the Republic of Tajikistan and the United Nations Under-Secretary-General for Economic and Social Affairs.

Objectives

The Second Dushanbe Water Action Decade Conference will focus on how governments, the United Nations and its entities, other international and regional organizations, international financial institutions, the private sector, civil society organizations, academia, communities, local governments and other stakeholders can catalyze water action and partnerships to contribute to the implementation of water-related goals and targets of the 2030 Agenda for Sustainable Development, the Paris Climate Agreement, the Sendai Framework for Disaster Risk Reduction, the Addis Ababa Action Agenda on Financing for Development and the New Urban Agenda at all levels, while supporting the global response to the

COVID-19 crisis.

The Second Dushanbe Water Action Decade Conference will also serve as a platform for soliciting and consolidating inputs in preparation of the United Nations Conference on the Midterm Comprehensive Review of the Implementation of the Objectives of the International Decade for Action, “Water for Sustainable Developmentn 2018–2028”, in 2023 in New York and will feed the upcoming UN High-level Political Forum on Sustainable Development.

In particular, the Second Dushanbe Water Action Decade Conference will focus on:

- Providing an update on the activities and actions indicated in the Final Declaration, the Co-Chairs’ Summary and the Call for Action and Partnerships of the First Dushanbe Water Action Decade Conference, co-organized by the Government of Tajikistan and the United Nations;
- Accelerating the implementation of internationally agreed water-related goals and targets at the regional and national level, particularly through the SDG 6 Global Acceleration Framework;
- Promoting science-based solutions and tools, including data, technologies and innovations;
- Improving capacity building, knowledge and education through sharing information and best practices;
- Showcasing successful partnerships, advocacy and networking actions by stakeholders at all levels;
- Strengthening cooperation at different levels by promoting dialogue, partnership and cross-sectoral approaches.

Moreover, the Conference will address the key role of water, sanitation and

hygiene in addressing the COVID-19 crisis and other public health threats of water-borne diseases, as well as critical interlinkages between water and climate change in the context of water resources management as a key factor for climate adaptation and mitigation.

The Conference will also provide an opportunity for sharing progress and constraints in the implementation of the actions and partnerships, initiated by governments and other stakeholders within the Water Action Decade, including the First Dushanbe Water Action Decade Conference and the other events towards the 2023 UN Water Conference in New York. Speakers and panelists are requested to showcase real action on the ground.

The Conference in 2022 will also provide a mechanism to encourage governments, the United Nations and all other partners to translate good intentions into actions on the ground.

Expected Outcomes: In continuity with past events, this Conference will produce a Final Declaration and a Co-chair’s Summary, as well as a compendium of actions, partnerships and other initiatives, presented during the Conference.

The outcome documents of the Second Dushanbe Water Action Decade Conference will consolidate critical views of the stakeholders on key actions and partnerships necessary to take the water sector agenda forward globally and provide valuable inputs to the preparation of the UN 2023 Water Decade Conference in New York. The outcomes of the Conference will be presented to the 77th session of the United Nations General Assembly and the United Nations High-Level Political Forum on Sustainable Development.

For more information, please click the link: <https://dushanbewaterprocess.org/>



Webinar on ‘Updates and Advances to the FAO56 Crop Water Requirements Methods’

ICID and FAO organized a webinar on ‘Updates and Advances to the FAO56 Crop Water Requirements Methods’ on 15 February 2022. FAO56 – “Crop Evapotranspiration. Guidelines to Compute Crop Water Requirements,” published in 1998 and quoted in nearly 35,000 studies, proposed to the irrigation and academic world a comprehensive methodology for computing crop

water and irrigation requirements. The objectives of FAO56 were: to ease and add clarity to the calculation of crop water requirements, to expand information for users aiming to optimize water use and management and to improve crop yields, to produce water consumption information usable in collective irrigation systems, and to support measures to control impacts of irrigation on environment

and responses to climate change. Science and technology have evolved during the 20 years since FAO56 was published and a number of novelties have furthered the progress on evolving irrigation practices and management. Updating and advancing the domain of crop water requirements responds to the need to incorporate results and practices of innovative science and technology

into the FAO56 method, including data handling and data upgrades, more effective use of available research, and use of newer technology tools, including remote sensing or the Internet of Things (IoT). Updates and advances can bring more accuracy into the calculation of crop water requirements, providing better support to precision agriculture, and improving our responses to climate change. The updates and advances to FAO56 methodology and application that have been presented and discussed in the 2020-2021 Special Issue (SI) of Agricultural Water Management

(<https://www.sciencedirect.com/journal/agricultural-water-management/special-issue/10ZP66J8B2P>) are quite relevant to modernizing management in irrigated agriculture, to the variety of facets involved in environmental upgrades and water demands and supply under climate change, and to increasing water savings in agriculture. These updates and enhancements are expected to improve and expand the application of FAO56 methodologies by a range of users and, in general, by researchers in the domains of land and water management.

The Participants in the webinar included the Moderator ICID President Dr. Ragab Ragab and panelist Prof. Em. Dr. Luis Santos Pereira, Dr. Richard G. Allen, Dr. Paula Paredes, Dr. Ramón López-Urrea and Prof. Nebo Jovanovic. Secretary General Eng. A.B. Pandya initiated the session with a welcome message.

President Prof. Ragab Ragab gave a historic view on ICID – FAO Irrigation and Drainage Paper 1998, a joint project between ICID and FAO. He remarked that the Working Group on Efficient Use of Natural Resources in the 1990s carried out this work through the significant contribution of Prof. Richard Allen (member of the Working Group) and Prof. Luis Pereira (the Chairman of the Working Group). He talked about the parameters and importance of Crop Water Requirement. He also mentioned about how equations based on meteorological data (temperature, energy or a combination) and empirical equations, Soil measurements (moisture content, soil moisture deficit, SMD, zero



flux plain, moisture profiles , soil water balance) are important for the crop water requirement determination.

In the end of the session Secretary-General thanked all the participants for making the event successful. The webinar was followed by a session of questions and answers wherein members from the audience were invited to submit their written queries to the speakers. The webinar saw some interesting and unique questions from people across the globe. The video and details of the presentation panel are given below.

<https://www.youtube.com/watch?v=9WpukJikpA4andt=4145s>

Prof. Dr. Ragab Ragab: President ICID - Prof. Dr. Ragab Ragab also serving as a Fellow Principal Hydrologist and Water Resources Management Specialist at UK Centre for Hydrology, Wallingford, UK; Editor, Journal of Agricultural Science, he contributes to Cambridge University Press (2013-present). He is also serving as an Adjunct Professor at Soil and Water Sciences Dept., the University of Alexandria, Egypt since 2006.

Prof. Em. Dr. Luis Santos Pereira: Professor Emeritus, Institute of Agronomy, University of Lisbon. Invited Professor at CIHEAM/IAM-Bari, Italy, University of Porto and University of Azores, Portugal. Research adviser at Universities in China and Brazil. Doctor honoris causa, University of Rousse, Bulgaria. Hon. President of CIGR, and Hon. Vice-President of the ICID.

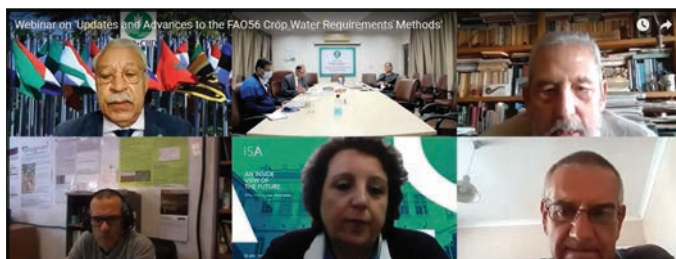
Dr Richard G. Allen: Dr Allen is a researcher at the University of Idaho's Kimberly Research and Extension Center and leads their Water Resources Research

Program with the Department of Soil and Water Systems. He specializes in determining irrigation water requirements, evapotranspiration, and characteristics of hydrologic systems.

Dr. Paula Paredes: He is an Assistant Professor at the School of Agriculture (ISA), University of Lisbon (UL), Portugal and researcher at LEAF - Landscape, Environment, Agricultural and Food, ISA-UL. Received the Ph.D. degree on Biosystems Engineering from ISA-UL, Portugal in 2014.

Dr. Ramón López-Urrea: He received the B.Sc., M.Sc., and Ph.D. degrees in Agricultural Engineering from Castilla-La Mancha University (UCLM), Spain, in 1997, 1999, and 2004, respectively. He is currently a Research Scientist with the Water Management Research Unit, Technical Institute of Agronomy for Albacete province (ITAP), Spain. His expertise includes irrigation water management, crop evapotranspiration determination and modeling, strategies of deficit irrigation, irrigation scheduling, systems to detect water stress in plants, models for simulating growth and water balance of crops, and UAVs.

Prof. Nebo Jovanovic: Prof. Nebo Jovanovic (njovanovic@csir.co.za) holds a BSc in Land and Water Management (University of Belgrade, Serbia), an MSc in Irrigation (CIHEAM, Bari, Italy) and a PhD in Agronomy (University Pretoria, South Africa). He is currently an Associate Professor in the field of Water Resources Management at the University of the Western Cape (South Africa). He has over 20 years of experience in the water sector having conducted, led and published research in crop and hydrological modelling, dryland salinity, food security and drought impacts in small-holder irrigated farming systems, and applications of remote sensing in water management.



Webinar on Integrated Water Resources Management in Large River Basins based on Simulation Modeling and Optimization Methods, 16 February 2022

ICID with collaboration with Reclamation and Water Management Complex Department of the All-Russia Research Institute of Hydraulic Engineering and Land Reclamation (VNIIGIM), Moscow, Russia organized a webinar on “Integrated Water on Resources Management in Large River Basins Based on Simulation Modeling and Optimization Methods” held on 16 February 2022. The Secretary-General Er. A. B. Pandya welcomed all the participants, including speaker VP (Hon.) Dr. Irina G. Bondarik and panellist Dr. Buber Alexander L Head of the Reclamation and Water Management Complex Department, VNIIGIM; Dr. Buber Alina A, Senior Researcher, VNIIGIM and Dr. Buber Vladimir B, Senior Researcher, VNIIGIM. Er. A. B. Pandya also mentioned about how ICID Working Groups are interconnected with the water resources management in large rivers basins. ICID President Dr. Ragab Ragab appreciated all the participants including speaker and panellist and All-Russia Research Institute of Hydraulic Engineering and Land Reclamation (VNIIGIM) for organizing the webinar through ICID. Dr. Ragab specifically pointed out the importance of data, including meteorological mutation, soil composition, water elements, and satellite images. The webinar was followed by a session of questions and answers wherein members from the audience were invited to discuss their queries with the speakers. For full access of the webinar, click the link: https://www.youtube.com/watch?time_continue=913&v=oupvBkHcz4E&feature=emb_logo

Introduction

The water resources management, as for isolated reservoirs and for cascades of integrated reservoirs, is an iterative process of integrated decision-making concerning to complicated problem: how to use and change of water resources and associated territories within a certain geographic region. The main principles of the management process are: a systematic approach; stakeholder partnership; accounting of the uncertainty (stochasticity) of a number of influencing factors; basin (geographic) approach and reliance on serious scientific research and reliable data.

Based on the fundamental principles, it can be concluded that the methods of water reservoir management are mainly determined by the use of computer

technology (mathematical simulation models) to solve practical problems. The basic methods have been used for water resources management, are imitation, optimization and multi-criteria analysis. All types of optimization models (deterministic or probabilistic, static or dynamic, linear or nonlinear) have a general concept: these models describe situations with many solutions that satisfy all limits, and it is required to find a set of the best solutions. The selection of the optimization models should be based on the specific type of their application, for example formation of the best modes of operation of reservoirs, taking into account the conflict of interests of water users. At the same time, the quality of optimal water resources management is assessed by statistical and multicriteria analysis methods. One of the ways to solve problems on integrated water management effectively is implementation and development of the mathematical models and putting them into operation practice.

Speaker

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). Dr. Bondarik has contributed more than 150 scientific papers, articles and technical reports on land reclamation: reclaimed agro landscapes etc. in Russian language with more than 15 in English. 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.

Panellists

Dr. Buber Alexander L: Head of the Reclamation and Water Management Complex Department (VNIIGIM), Moscow, Russia. Since 1991, he has been leading the development of mathematical models,



algorithms, and computer programs for integrated management of water resources in large river basins (Volga, Don, Kuban, Angara, Yenisei, Amur). More than 20 projects in the field of water management have been developed under his leadership. He is a member of the interdepartmental working group on water resources management of the Volga-Kama cascade of reservoirs. He has more than 70 publications on the area of research, including in foreign journals.

Dr. Buber Alina A: Senior Researcher at the Reclamation and Water Management Complex Department (VNIIGIM), Moscow, Russia. She participates in the hydrodynamic models' development in the MIKE 11 software for managing water resources of large river basins - Volga, Don, Kuban, Angara. She developed a simulation model of a small river basin in the MIKE SHE software, which implements mass transfer and water movement in porous medium, to determine the diffuse pollution magnitude of a water object. She is a Member of the European Geosciences Union (EGU). She was awarded the Certificate of Honor of the Union of Water Workers and Reclamations for her great contribution to the development of the reclamation and construction complex of the Russian Federation.

Dr. Buber Vladimir B: Senior Researcher of Reclamation and Water Management Complex Department of the All-Russian Research Institute of Hydraulic Engineering and Land Reclamation (VNIIGIM), Moscow, Russia. He has been working at the VNIIGIM since 2017. He participates in the development of mathematical models, algorithms and computer programs for integrated water resources management of large river basins.

ICID President's Activities in February 2022

#	Activity	Date
1	Working Group on Use of Non-Conventional Water Resources for Irrigation (WG-NCWRI) Chairman: Dr. Wenyong Wu	9 February 2022
2	African Regional Working Group (AFRWG) Chairman: Dr. Mohamed Abd El Moneim Wahba	10 February 2022
3	Working Group on Modernization and Revitalization of Irrigation Schemes (WG-MandR) Chairman: Mr. Ian William Makin	14 February 2022
4	Asian Regional Working Group (ASRWG) Chairman: Prof. Dr. Tsugihiko WATANABE	28 February 2022

ANAFIDE is Hosting a High-Level Nigerian Delegation

The National Association of Land Improvements, Irrigation, Drainage and Environment (ANAFIDE) is hosting, until March 13, a high-level Nigerian delegation composed of members of the steering committee of the irrigation management in Nigeria.

The objective of this visit to Morocco, initiated by the Nigerian National Committee of ICID (International Commission on Irrigation and Drainage), being, as Anafide points out, to "benefit from the Moroccan experience in irrigation development and management".



On the program, visits to areas in Haouz, Souss-Massa and Sais. The delegation will go, among other things, to sectors converted to drip irrigation, to the management and remote-control center of the bypass canal in the Haouz region, to the El Guerdane perimeter, to

farms illustrating the development and economy of irrigation water as well as at the Chtouka desalination station in the Souss-Massa region, as well as at the water transfer sites of the Mdez dam under construction towards the Saiss plain. Meetings are also planned in Rabat.

<https://aujourd'hui.ma/economie/en-visite-jusquau-13-mars-une-delegation-nigeriane-decouvre-l'experience-du-maroc-en-gestion-de-l'irrigation>

Important Announcements and ICID Forthcoming Events

(A) 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

A Task Team is set up every year to select historical drainage/drainage structures as received from various National Committees (NCs) to give them recognition on the lines of World Heritage Sites (as recognized by UNESCO). 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 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 contact icid@icid.org.

(B) Tea Time Talk, 15 March 2022, 17:00 hrs (UK time)

Irrigation Water Forum (IWF) (also known UKCID) have arranged a Teatime Talk on 15 March at 17:00 hrs (UK time). The topic of the talk is "Sustainable Irrigation Development: a Water-Energy-Food (WEF) nexus perspective towards achieving more crop per drop per joule per hectare under climate change"

The talk will 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. For more information click on https://icid-ciid.org/inner_page/185

(C) Call for Papers: 24th ICID International Congress

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/>

Last date for Submission of Full papers to 24th ICID Congress is extended up to **30th March 2022**.

(D) 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_MandR_2022.pdf

(E) 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/>

(F) 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/>

(G) International Workshop on “Public-Private-Partnership (PPPs)”

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.Eng. Chairman, WG-IOA (hafiedgany@yahoo.com; hafiedgany@gmail.com)

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

For more information, <http://www.icid-ciid.org/icid_data_web/callpaperswgioa2022.pdf>.

(H) 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 being organized by ICID’s Working Group on Managing Water Scarcity under Conflicting Demands (WG-MWSCD) during 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

- Submission of abstracts (max. 300 words): **30 May 2022**

- Notification of acceptance: **15 June 2022**
- Submission of full papers (max. 10 pages): **30 July 2022**
- 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)

(I) Call for Papers 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 and 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 (AandR), 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

For more information <https://icid-ciid.org/icid_data_web/wsp2022_wfe-n.pdf>

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 and international

scientists in their fields will participate. For registration, the application form must be filled and sent to the congress email (congressicas2022@gmail.com). Covid-19 vaccine and detailed up-to-date information on this issue are available on the countries' website (<https://web.shgm.gov.tr/en>). Congress details and all other information are available on the website www.icas2021.org

Webinar by International Association for Agricultural Sustainability (IAAS)

IAAS webinar on "Sustainable Water Management in Agriculture" will be held on 25th March 2022, 10:00 AM – 12:00 PM (SGT). For agriculture, water is a critical input for agricultural production and plays an important role in food security. Through this webinar, we will be sharing on how to embrace technology, model innovation, and international investment to support sustainable water management in agriculture.

The link below is the media kit materials to promote this event in your association members and other network.

Link: <https://drive.google.com/drive/folders/1-hL0trRzfn0NyxbX9-SjdQC0jLMXEL?usp=sharing>

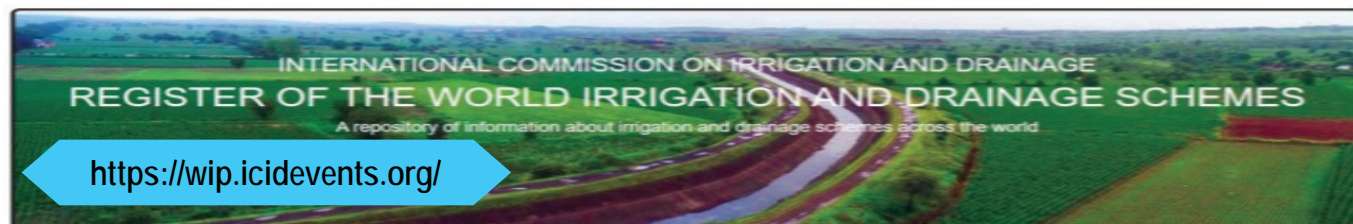
Speakers

This year IAAS specially invited our special guest, Dr. Jason Tang, the Director of Environmental & Water Technology Centre of Innovation (EWTCOI), and our guest speakers, Dr. Uri Shani, the Robert H Smith

Faculty of Agriculture, Food and Environment at Hebrew University of Jerusalem, and last but not least, Dr. Ming-Che Hu to express their thoughts and share insights on embracing technology and international investment to support sustainable water management in agriculture.

Moderator and Panelists

It is also our honor to invite our moderator, Dr. Wee Liang Tan, the Vice Chairman of International Association for Agricultural Sustainability (IAAS), Associate Professor of Strategic Management of Singapore Management University (SMU), and our 3 panelists, Dr. Jason Tang, the Director of Environmental & Water Technology Centre of Innovation (EWTCOI), Er. A. B. Pandya, the Secretary-General of International Commission on Irrigation and Drainage (ICID) Central Office, and Dr. Hwa-Lung Yu, the Vice Chairman of International Commission on Irrigation and Drainage (ICID) Chinese Taipei Committee, to uncover valuable insights on water management and to shed light on the different perspective and challenges faced in the respective industry.



ICID 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.eom.au/>

Geosynthetics Events: To be held at ICID Congress and 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 and 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 and 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 : gaolh@iwhr.com, cnid_office@sina.com, lihui.gao@qq.com. Location - Guoce International Convention and 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.