



International Commission on Irrigation and Drainage

March 2021

From Secretary General's Desk...



Dear Colleagues,

Hope you are all safe and healthy during these trying times!

We at ICID Central Office are doing fine and eager to resume our normal face-to-face activities and events. However, it would be reasonable to assume that the

online work mode will be a significant part of the new normal and we are preparing ourselves for that.

The month of March is special as it celebrates the World Water Day. Accordingly, several online activities were organized by ICID National Committees (NC) and partner institutions around the world. Some of these events are covered in this issue of the News Update.

To begin with, Uzbekistan NC mobilized the support of the Minister of Water Resources and ICID Office bearers to organize a webinar in which I was fortunate to take part in distance-mode. The webinar was quite timely as it took stock of the water resources in the Republic of Uzbekistan and through a high-level panel discussed the future plans up to 2030 that the Ministry of Water Resources has drawn keeping in view of the regional issues of the Central Asian countries. ICID pledged its support to achieve a water secure world for all round development.

Several agencies, including ICID, are offering online courses for water sector practitioners and professionals. Two of ICID courses – 'Dam and Network Safety' and 'Micro-Irrigation Systems' are in their concluding phases and simultaneously we are gearing up for the second offering of these courses. Such online courses complement the ICID's Young Professionals program and its face-to-face training activities during ICID events.

UN-Water and its partner institutions held the Global Food Systems Summit Dialogue and identified water as a game-changer for food security. As we are all aware that irrigated agriculture is comparatively more productive than rain-fed food production.

In this issue, you will also find the release of two new publications and I hope you find them useful in your work and professional life.

In closing, I would like to remind the NCs that ICID WatSave Awards and World Heritage Irrigation Structures (WHIS) are now inviting nominations for 2021 with the deadline of 30th June 2021. Kindly circulate these announcements widely within your networks so that more professionals, young researchers and farmers can benefit from these programs.

Please stay safe and healthy!

Ashwin Pandya
Secretary General, ICID

ICID hosted a Webinar on Irrigation and Drainage in the Republic of Uzbekistan: Status and Future Plans

To celebrate "International Water Day 2021" the International Commission on Irrigation and Drainage (ICID) in collaboration with the Ministry of Water Resources of the Republic of Uzbekistan and



Uzbekistan National Committee on Irrigation and Drainage organized an online webinar on "Irrigation and Drainage in the Republic of Uzbekistan." The panel included Mr. Shavkat Khamraev, Minister of Water Resources and Vice President of ICID, Rustam Karshiev, Deputy Minister of Water Resources of the Republic of Uzbekistan, Ashwin B. Pandya, Secretary General, ICID Viktor Abramovich Dukhovny, Director of the Interstate Water Coordination Commission and Vice President of ICID, and Lutfulla Mukhammad Nazarov served as moderator.

In the last 10 years, as the reduction of Water Resources has affected all the countries of the world, the Central Asian region has very negative consequences, especially for Uzbekistan. Nowadays in order to prevent this water scarcity in Uzbekistan, the government pays great attention to water resources. In order to rationally use water resources and improve the land reclamation situation, as well as to ensure food security, the government has developed a strategy for 2020-2030 years and a strategy for further development of water management for 2021-2023.

The webinar highlighted the strategy, programs, and international intervention by Ministry of Water Resources of Uzbekistan, also including the development of water resources for agriculture, irrigation, drinking and other future aspects. Eng. A.B. Pandya (SG) talked about the role of ICID to achieve water secure world. He also stressed the need of micro-irrigation, and how various parameters including population, demand supply, crop consumption of water and climate change influence irrigation.



Online Training by MASHAV- Israel's Agency for International Development Cooperation on "Modern Irrigation and Fertigation in Tropical Regions"

Introduction

Farming accounts for around 70% of water used in the world today. Having to face climate changes, increasing periods of negative water balance and constantly rising water demand by urban and industrial sectors, countries will be forced to implement irrigation systems in order to promote efficient use of water and ensure sustainable development of their agriculture and improve the living conditions of the rural population. For Israel, water has always represented a chronic problem. Located in an arid - semiarid region, Israel addressed the constraints of limited water resources by consolidating its policy of



national water management system and invested great efforts in research and development of agro-technologies that ensure efficient use and management of its scarce water resources.

Implement pressurized irrigation technologies since the 50's, fundamentally changed traditional agricultural practices, boosting the development of a modern and highly productive agriculture. Drip irrigation, fertigation and agro-techniques that allow the supply of water and nutrients in accordance to the demand of the crop, have contributed to transforming land incapable of being cultivated into productive farmland, substantially increasing crop yields while reducing water and fertilizers consumption, as well as promoting reuse of treated waste and marginal water in addition to protecting of the environment. The constant search for greater efficiency in the use of water and nutrients is a challenge for those involved in the sustainable development of agriculture and the well-being of the farmer and his environment.



Aims

The webinar aims to introduce participants to Israel's acquired experience in the development of intensive and profitable agriculture based on efficient water management and the implementation of irrigation and fertigation systems which could be adapted to tropical conditions. The webinar will be conducted by experts from the crop and irrigation sector and will take place during 5 online meetings. The course will cover pressurized irrigation principles, methods and techniques. The lectures will emphasize the many advantages of pressurized irrigation in general and in particular, micro-irrigation focusing on irrigation strategies in conditions of low vapor transpiration transition.

About MASHAV

Israel's Agency for International Development Cooperation is dedicated to providing developing countries with the best of Israel's experience in development and planning. As a member of the family of nations, the State of Israel is committed to fulfilling its responsibility to contribute to the fight against poverty and to the global efforts to achieve sustainable development. MASHAV, representing Israel and its people, focuses its efforts on capacity building, sharing relevant expertise accumulated during Israel's own development experience to empower governments, communities and individuals to improve their own lives. MASHAV's approach is to ensure social, economic and environmentally sustainable development, and is taking active part in the international community's process of shaping the Post-2015 Agenda, to define the new set of the global Sustainable Development Goals (SDG).

MASHAV's International Agricultural Training Center - specializes since 1963 in human capacity building and training programs in the fields of agriculture, water management, environment and rural development. MATC conducts international, regional and country specific development programs as well as professional study-tours, workshops, conferences and online

training activities based on Israeli agricultural know-how, innovation, and development experience. MATC's training programs, conducted in English, Spanish, French, Russian, and Arabic, are specifically designed to improve agricultural production in developing countries, to promote food security and to create partnerships as well as ongoing international cooperation for sustainable development. Click the link for more information <https://matc.mfa.gov.il/>



ICID Participates in Global Conclave on Water Security 24 - 25 March 2021

Water Digest is a premier water magazine that brings the latest technologies and varied opportunities to cope with escalating water crisis in India and the rest of the world. Started in 2006, Water Digest is a global platform for all water-related issues. It promotes and builds awareness on critical water issues and triggers actions to facilitate the efficient management and use of water in all its dimensions on an environmentally sustainable basis.



In continuation of the World Water Day celebrations, Water Digest organised a two-day online Water Digest Global Conclave 2021 titled "Conscious and Connected: A Global Conclave on Water Management - The Role of Technology in Uplifting Global Water Security" on March 24-25, 2021. The event was held in partnership with UNESCO and was supported by the Department of Water Resources and various other relevant departments of Government of India. The conclave received an overwhelming response from professionals and leaders connected with the water sector from all across the globe. The global conclave focused on achieving Sustainable Development Goals (SDGs), with emphasis on SDG 6. It was in keeping with the theme of World Water Day "Valuing Water" where diverse perspectives were presented by various esteemed personalities who elucidated on the cultural, social, environmental and economic aspects of water.

Well-known experts from a broad spectrum were a part of the conclave. Among them were Shri Rattan Lal Kataria, Minister of State, Ministry of Water Resources, Government of India, Mr. Eric Falt, Director and UNESCO representative to Bhutan, India, Maldives and Sri Lanka, Mr. A.B. Pandya, Editor-in-Chief, Water Digest and Secretary General ICID, Mr. Pankaj Kumar, Secretary, Ministry of Water Resources, Government of India, Shri Durga Shankar Mishra (IAS), Secretary, Ministry of Housing and Urban Affairs, Government of India, Shri Rajiv Ranjan Mishra (IAS), Director General, National Mission for Clean Ganga.

Ms. Anupama Madhok, Director and Editor, Water Digest, in her welcome address, spoke about the importance of World Water Day and SDG 6 goals. She also mentioned that like all previous endeavours of Water Digest, this Global Conclave is aimed at uplifting the importance of water in people’s lives to encourage, promote and nurture the values that would help all of us to strive towards global water security. Ms Madhok highlighted how the attention the water sector has received from the global community has infused a sense of responsibility among the government, industry insiders and stakeholders.

Addressing the dignitaries via a recorded message, Mr. Rattan Lal Kataria, Minister of Water Resources said, “The importance of water is beyond everything. It plays a crucial role not only in the irrigation sector but also the industries. It’s our responsibility to protect our natural resources in a significant manner.” Dwelling on the problems being faced in saving water in our rivers, ecosystems, lakes etc., he said, “if we don’t not take it seriously now, our future generation will definitely suffer”.

Secretary General, ICID, Er. A.B. Pandya participated in the conclave sessions in various capacities. As a keynote speaker in first plenary of the session he emphasized that better technology innovations play a vital role in every aspect of water management. In developed countries, water infrastructure also adds an economical value. In an attempt to overcome this crisis, he suggested that SDG goals be designed to provide safe and affordable drinking water for all by 2030. “This goal requires investment of inadequate infrastructure, sanitation facilities, and hygiene measures. Protecting and restoring water-related ecosystems is essential.”

This event provided an excellent opportunity to highlight recent trends in water development in its various aspects. This conclave served as an excellent platform for researchers, scientists, engineers, policymakers, and young professionals working in the field of water security in multi direction from water management to conserving water resources around the world. This event acted as the confluence of brilliant minds and provide an interactive platform to share path-breaking ideas on the theme ‘The role of technology in Uplifting Global Water Security.’ The event received an overwhelming response from both the audience and the

participants. The Editor-in-Chief of Water Digest and Secretary-General, ICID, Mr. A.B. Pandya thanked all jury members for their efforts to making the event a grand success.



Global Food Systems Summit Dialogue: Water the Game Changer 4 Food Systems



The Global Food Systems Summit Dialogue on “Water – the game-changer for food systems”, will take place virtually on 27 April 2021 from 14:00 to 16:30 CEST. This Global Dialogue will explore the fundamental inter-connections between food systems and water systems, and their relations to other areas fundamental to the Sustainable Development Goals, such as energy, climate, and the environment. The Global Food Systems Summit Dialogue will focus on the nexus between food systems and water systems.

It is co-convened by Dr. Agnes Kalibata, Special Envoy for UN Food Systems Summit and Mr. Gilbert Houngbo, chair of the UN-Water partnership, with the support of the UN-Water partners – the International Water Management Institute, FAO, WFP and IFAD. In this dialogue, participants will be invited to explore how water is an essential ingredient for sustainable food systems to:

- (a) ensure access to safe and nutritious food for all
- (b) shift to sustainable consumption patterns
- (c) boost nature-positive production
- (d) and build resilience to vulnerabilities, shocks and stress

The event will also build on the learnings that are arising on water and food systems in national and regional dialogues. We will unpack the major water challenges that are threatening our local and

international food systems and explore opportunities for making food systems sustainable while protecting and restoring the water that is essential for life.



22nd Water Talk of National Water Mission (NWM)

National Water Mission (NWM) has been organizing a seminar series-‘Water Talk’ -to promote dialogue and information sharing among participants on a variety of water-related topics. The ‘Water Talk’ is intended to create awareness, build capacities of

Shri Shirish Apte, Superintending Engineer, Maharashtra Water Resources Department. Shri G. Asok Kumar, Additional Secretary and Mission Director, NWM and officials of NWM attended the webinar along with more than 650 participants. The webinar included participants from across the country from various spheres of life. The talk was also live-streamed through Facebook on the 11 social media platforms of various organizations under DoWR. It was noted that there were over 4,000 total viewers in this e-water talk. Shri G. Asok Kumar, Additional Secretary and Mission Director, NWM welcomed the participants and introduced NWM along with its 5 goals, 39 strategies and the successful campaign like ‘Catch the Rain’. NWM, in collaboration with Nehru Yuva Kendra Sangathan (NYKS), recently launched “Water Empowerment: Catch the Rain” awareness generation campaign which will be implemented across 623 districts of the country. With the switch from the physical to digital platform, the reach of the talks have exponentially grown both geographically and numerically with people participating from all across the world from countries like Australia, China, Nigeria. Many water aficionados, eminent personalities including National awardees and individuals having done tremendous work in the water sector have been invited to deliver the talk in the past. The theoretical and practical experts shared their experiences on they transformed the lives of local communities through motivation and people engagement.

The topic of the e-talk by Shri Shirish Apte was “Rejuvenation of Malguzari Tanks in Vidarbha”. Shri Apte explained the historical File No.M-93011/7/2019-NWM significance of the “Malguzari Tanks” and how they came into existence during the reign of “Gond” and “Bhonsla” kingdom for irrigation and cultivation of lands. The speaker shared that there were 28 Malguzari tanks under one division out of which 22 Malguzari tanks were in a very serious and critical condition. The entire process of rejuvenating these 22 tanks took 3-4 years. GR prepared by the water resources department for the Malguzari tanks was also adopted by water conservation and rural development department so many tanks were under the control of the same department. Many public awareness programmes were organised related to this project.

The benefits of the restoration process have shown improvement in groundwater levels of the area, increase in agricultural output, creation of additional drinking water sources and also helped in increasing employment opportunities. The removal of silt in the tank belt considerably increased the capacity of tanks. The repairing of canals also minimized the losses and ensured that farmers get water for at least two seasons. Earlier farmers used to get only 1 or 2

National Water Mission
Ministry of Jal Shakti, Department of Water Resources, RD & GR

PRESENTS
22nd Water Talk

REJUVENATION OF MALGUZARI TANKS IN VIDARBHA

DATE: 19th FEBRUARY, 2020 (FRIDAY)
TIME: 03:00PM - 05:00PM

HOST
SHRI G. ASOK KUMAR
ADDITIONAL SECRETARY AND MISSION DIRECTOR,
NATIONAL WATER MISSION,
DEPT. OF WATER RESOURCES, RURAL DEVELOPMENT & PDS,
JAL SHAKTI, GOVT. OF INDIA

SPEAKER
SHRI SHIRISH APTE
SUPERINTENDING ENGINEER,
MAHARASHTRA WATER RESOURCES DEPARTMENT

PROGRAMME

3:00 - 3:15 PM	Welcome Address & Objective of the Water Talk Series	Shri G Asok Kumar, Additional Secretary & Mission Director, National Water Mission
3:15-4:15 PM	Rejuvenation of Malguzari Tanks in Vidarbha	Shri Shirish Apte, Water Engineer, Maharashtra
4:15 - 4:45 PM	Q & A session	
4:45- 5:00 PM	Closing Remarks	Shri Parthab Kumar, Secretary, Ministry of Jal Shakti

FOR REGISTRATION, USE THE LINK GIVEN BELOW

stakeholders and encourage people to become active participants in the conservation and saving of water. NWM has so far organized 21 ‘Water-Talks’ on a range of topics dominating the sector concerns. Twenty-Second (22nd) Water Talk in this series was held on 19th February 2021 on a virtual platform-‘CISCO WEBEX’ due to outbreak of Covid-19 pandemic in the country. The talk that witnessed more than 650 participants was organized by NWM with the support of Water Digest, the official media partner for the webinar. The talk was delivered by

rotation of water during Kharif season but the restoration of tanks and improvement in the condition of earthen bunds and canals enabled the farmers to grow 2 crops in 2 growing seasons.

The deposited silt from Malguzari tanks which are rich in Nitrogen and Phosphorus content was acting as manure and helped the farmers to increase the ability of the farm's soil to generate more crops and farm activity. The increase in water availability and fodder all through the year enabled the farmers to maintain cows and buffaloes adding additional income through animal husbandary. This also encouraged many to construct 'cow dung' gas plant in their backyards, decreasing the need for villages to enter the nearby forests in search of firewood, thereby decreasing the probability of man-animal conflict. The increase in the availability of drinking water during peak summers has positively affected the herbivorous animal population, tiger population, frequent sighting of tigers in reserves, adding additional income to the tourism industry. However, Shri Apte maintained that the main two beneficiaries of the exercise were farmers and fishermen.

The talk was followed by a session of questions and answers wherein members from the audience were invited to discuss their queries with the speaker. The webinar witnessed some interesting and unique questions from people across the country.



ICID Important Announcements

We have the pleasure to announce "Call for Nominations for 2021 WatSave Awards and Recognition of World Heritage Irrigation Structures (WHIS) for the upcoming ICID Events and 72nd IEC Meeting at Marrakesh, Morocco Kindly note that the nomination submission deadline is 30 June 2021.

(a) Watsave Awards 2021

Nominations are invited from individuals/team through National Committees/Committee (NC) for the 'WatSave Awards 2021'. The entries are open to all professionals/teams from ICID member countries as well as non-member countries. In case of an application 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.

The WatSave Awards are given in four categories: **(i) Technology (ii) Innovative Water Management (iii) Young Professionals;** and **(iv) Farmer(s) to recognize** outstanding contribution to water

conservation or water saving for the benefit of all water users. Only one nomination in each category is allowed from a member NC.

More details about the award such as scope and objective, procedure for submitting nominations can be accessed at http://icid-ciid.org/view_page/9

Each of the above award carries an honorarium of US\$ 2000 and a Citation/ Plaque. In the event, the award is given to a team; the amount shall be paid to the nominated leader of the team for equally sharing among themselves later. The nominations should be certified by a National Committee about the originality of the nominated work by the Professionals/Team prior to its submission to the Central Office as provided in the nomination form. This authentication by NC is ESSENTIAL to ensure the genuineness of the nominated work, ensuring that it has not been submitted earlier or elsewhere. While screening the nominations, NCs may note that WatSave awards are not given to a person for variety of works done by him/her for water saving in his/ her lifetime, but for a particular technology or innovation. As such the technology or innovation being nominated needs to be clearly highlighted in the submission.

(b) World Heritage Irrigation Structures (WHIS)

Nominations are also invited for selection of "World Heritage Irrigation Structures" (WHIS) that includes both old operational irrigation structures as well as those having an archival value. National Committee can nominate up to 4 structures in a given year, using separate nomination form for each. Associated Members and non-member countries can nominate their structures through the neighboring active national committees. The process for receiving WHIS nominations from National Committee is always continuous and open.

All NCs are invited to send nominations of World Heritage Irrigation Structures in the prescribed form available at http://icid-ciid.org/view_page/9. The nominations for WHIS 2021, if received before the deadline, will be considered by the Panel of Judges for inclusion in the ICID Register of Heritage Irrigation Structures. The successful nominee will be presented a "Plaque", citing the salient features of the WHIS during the 72nd IEC meeting in Marrakesh, Morocco.

National Committees are requested to kindly circulate this announcement widely amongst professionals/ teams within their country. NCs may submit to the Central Office electronically on or before the last date for receipt of the nominations until **30 June 2021**.

For any difficulty in nominating and/ or clarifications, please contact <icid@icid.org> ICID looks forward to receiving nominations from the esteemed National Committees.



News from National Committees

China appoints New Water Resources Minister

During the recent leadership reshuffle, H.E. Mr. LI Guoying succeeded H.E. Mr. E Jingping as Minister of Water Resources, China. Minister LI, once served as Commissioner of the Yellow River Water Conservancy Commission, Deputy Minister of Water Resources and Governor of Anhui Province, has displayed in his whole career unreserved support to the development of irrigation and drainage. His receiving of the Lee Kuan Yew Water Prize is testimony to his accomplishments as China's top administrator and planner of agricultural water management.

Minister LI is also an old friend of the ICID family. During his tenure as Deputy Minister of Water Resources (2011-15), he supervised and guided the work of the Department of Rural Water and Hydropower and CNCID; with his support, the Ministry provided the seed fund for the WID Prize; in Tehran and Gwangju, he addressed the opening ceremonies of the 21st and 22nd ICID Congresses respectively; in China and abroad, he held friendly and fruitful discussions multiple times with the leadership of ICID and NCs, including PH Chandra Madramootoo, PH Saeed Nairizi and former SGs; in 2012, he presided over the establishment of IPTRID Beijing Node, the first of its kind in the world.

Israel appoints Honorary Consul in North-East India



To further increase its presence and collaborations in India's North-East, India has appointed Joyshree Das Vermas honorary consul in the region, to be based in Assam with jurisdiction over the states of Assam, Arunachal Pradesh, Nagaland, Manipur, Mizoram, Meghalaya, Tripura and Sikkim. Announcing the appointment, Ambassador of Israel in India, Dr. Ron Malka said, "The relations between our two countries are growing and expanding rapidly. We are now going to take it forward and increase our presence in North-East India. I am proud to present the credentials of Israeli honorary consul to Mrs. Joyshree Das Vermas, who will work with us to further strengthen our growing partnership in this region."

Joyshree Das Vermas said, "I am immensely honored and humbled to represent Israel as Honorary Consul for the North-Eastern states. This all-encompassing role excites me greatly as there are vast possibilities and opportunities to leverage Israel's technology and expertise in various areas. I am pledged to work in the best interests of Assam and all the North Eastern States."

He held official meetings with the Chief Ministers of the states, in which the sides discussed collaboration on a range of subjects including agriculture, water management, tourism, horticulture, fisheries and dairy. During the visit, the Ambassador laid the foundation stone of a Center of Excellence (CoE) for Vegetables in Khetri, Assam. The region's first Indo-Israeli Centre of Excellence was inaugurated in Mizoram in 2018. It has become a strong, sustainable platform for addressing challenges via applicable research and introduction of relevant, innovative Israeli agro-technologies, tailored to the needs of local farmers.

Irrigation Strategy for Georgia 2017-2025

The Government of Georgia has approved the "Irrigation Strategy for Georgia 2017-2025", which envisages the increase of irrigated area up to 200,000 hectares by 2025. The strategy includes sector reform, according to which irrigation services on main canal networks will be provided by the state company "Georgian Amelioration" Ltd., while for on-farm network water user organizations (WUOs) will be responsible which will have a contract concluded with the company for wholesale (Bulk) supply of water resources. In December 2019, the Law of Georgia on Water User Organizations was adopted, envisaging the establishment of water user organizations. In the context of the current tariff situation, the Government of Georgia intends to develop "transitional" tariff calculation principles for the services delivered to different groups of water

users (water user organizations, individual farmers, fish farms, hydropower plants, technical water user enterprises) which the government would like to set in place for a period of two years.



Forthcoming Event

72nd IEC Meeting and 5th African Regional Conference (AFRC) will be held during 24 - 30 November 2021 at Marrakesh, Morocco. More details and procedures will be released as and when finalized. The Young Professional's Training Program (YP-TP) will also be organized during the 5th African Regional Conference.

73rd IEC Meeting and 24th ICID Congress will be rescheduled from 30 May to 6 June 2022 at Adelaide, Australia, hosted by Irrigation Australia Ltd., and Irrigation Australia's Committee on Irrigation and Drainage (IACID). More details will be shared shortly.

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

IUCN World Conservation Congress, 3-11 September 2021 in Marseille. The International Union for Conservation of Nature (IUCN) and the French government have agreed to hold the IUCN World Conservation Congress 2020 from 3-11 September 2021 in Marseille. The event, originally scheduled for June 2020, was postponed due to the COVID-19 pandemic. The Forum is a hub of public debate, bringing together people from all walks of life to discuss the world's most pressing conservation and sustainability challenges. It includes many different types of events from high-level dialogues to training workshops that explore the depths of conservation and innovation.

IWRA World Water Congress 13-17 September 2021, Daegu, Korea. IWRA organizes 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 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. Visit the XVII World Water Congress website for detailed information on a call for abstracts, special sessions, and sideevents, the exhibition and sponsorship opportunities, as well as the early registration and much more. Website <http://www.worldwatercongress.com/office@iwra.org> Email

Granada, Spain 39th IAHR World Congress, 2022 From Snow to Sea On behalf of the International Association for Hydro-environment Engineering and Research (IAHR) the 39th IAHR World Congress to be held in Granada, Spain, from June 19th to 24th, 2022. For more than seventy-five years, the biennial IAHR World Congresses have brought together leading experts to help address the world's pressing water environment engineering challenges. The event has traditionally provided researchers and decision-makers the opportunity to share recent advances and experiences, identify emerging technology trends, and engage in lively debates that have positively impacted our world. Following the last IAHR Congress held in 2019 in Panama City, Panama under the theme "Water – Connecting the World", the main theme of the 39th IAHR World Congress will be "From Snow to Sea" focusing attention on the importance of considering the integral water cycle to address present and future challenges.

At the upcoming Congress IAHR will unleash its new Strategic Plan and present exciting knowledge platforms and prominent speakers on global water environment issues including climate-induced changes to water resources, adaptive management, artificial intelligence (AI), and smart water management, ecohydraulics, and policy forums. For more information click the link <https://iahrworldcongress.org/welcome/>

Call for proposals to host River Flow 2024. The deadline is 31 March 2021 The IAHR technical committee on the Fluvial Hydraulics leadership team invites proposals from the global community to serve as the Local Organizing Committee (LOC) for the 2024 International Conference on Fluvial Hydraulics (River Flow 2024). Aspiring LOCs should fill the template for proposals. Submit your proposal to Prof. Sandra Soares-Frazão (sandra.soares-frazao@uclouvain.be), the TC Chair by 31 March 2021. Questions about the LOC selection process should be emailed to Prof. Sandra Soares-Frazão (sandra.soaresfrazao@uclouvain.be). The decision will be made by the end of June 2021. For more information click the link: <https://iahr.org/index/detail/316>

