

News Update

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



May 2021

From Secretary General's Desk...

Dear Colleagues,

To begin on a positive note, I am pleased to share with all that ICID will be celebrating its 72nd Foundation Day on 24th June 2021, a very special day for ICID members, partners and friends around the globe. For the last couple of years, on Foundation Day we have been inviting international experts to share their views on current issues surrounding our sector and possible solutions to tackle the problems of the sector. Due to the on-going pandemic, the event would be an online one with ample opportunity for interaction. In the next issue of the News Update, I will be sharing with us all the technical proceedings of the Foundation Day deliberations. Water scarcity is intensifying the competitive demand for water among



various sectors of the economy all around the world and thus creating conflicts among the various stakeholders. However, the good thing is that there are legal and mediation mechanisms to manage such conflicts and to devise justified water-sharing agreements or arrangements. The role of constructive communication among the stakeholders is also crucial so that such situations are avoided at an early stage before they reach any serious condition such as costly and time-consuming litigation process. In this regard, platforms like ICID provide the space for dialogue and negotiations among diverse groups of water users on the basis of science rather than unrealistic expectations.

In the course of the month, ICID organized several webinars and also participated in the relevant webinars of other international organizations such as FAO and IWRA. I am happy to inform you that there is significant improvement in the cooperation between Israel and ICID. ICID was requested to nominate its technical

officers to participate in the online training organized by MASHAV, Israel's Agency for International Development Cooperation of the Ministry of Foreign Affairs. The training was conducted through MATC – MASHAV's Agricultural Training Center. It was quite informative and fruitful activity for ICID professionals who took part in the training. In addition, other relevant activities are detailed in this issue.

In closing, I would like to remind the ICID national committees to send nominations for the WatSave Awards and Recognition of World Heritage Irrigation Structures as the deadline is approaching very fast, i.e., 30th June 2021.

Wishing everyone a safe and peaceful time!

Ashwin Pandya
Secretary General

ICID Webinar on "Dividing the Waters: A History of Litigation in the Truckee River Basin and the Hope for the Future"

"A History of Litigation in the Truckee River Basin and the Hope for the Future" was organized on 28 May 2021. The presenter, Ms. Terri Edwards is the Area Manager for the Lahontan Basin Area Office headquartered in Carson City, Nevada (USA). Terri oversees the management of Bureau of Reclamation facilities located throughout northern Nevada and eastern California. Her responsibilities include management of a wide variety of water resource issues related to the Newlands Project – one of the first Reclamation projects – as well as the Truckee River Storage Project, Washoe Project and Humboldt Project.

The Truckee River is among the most litigated rivers in the United States.

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Carson City, NV
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BUREAU OF RECLAMATION

The history of litigation provides the background for current operations that are, at the moment, litigation-free! This presentation provides an overview of decades of contentious litigation over the Truckee River system and focuses on two Federal rules that have provided innovation in meeting the demands placed on the River - the Newlands Project Operating Criteria and Procedures (OCAP) and the Truckee River Operating Agreement (TROA).

In 1905, the United States completed construction of the Truckee Canal, one of the major facilities of the Newlands Project – an irrigation project meant to

harness the water of the Truckee and Carson Rivers and now irrigates about 58,000 acres. The Truckee Canal allowed diversions from the Truckee River to the Carson River for use in the Newlands Project. Prior to 1967, diversions out of the Truckee River were limited only by the capacity of the facilities. These unlimited diversions contributed to the approximately 80-foot decline in the level of Pyramid Lake between 1900 and 1967. In response to court actions, various operating criteria were implemented until 1988, and subsequently, 1997 OCAP was put in place. We'll talk about the aspects of OCAP that have allowed it to stand since 1997.

TROA was signed in 2008 and fully implemented in late 2015. TROA allows for the fuller use of water rights to meet changing water usage and needs on the Truckee River while simultaneously protecting water rights that will continue to be used for irrigation. The provisions in TROA for sharing water, through the conversion of various categories of credit water into Fish Credit water, for example, are pretty innovative and to date, successful. Both Federal Rules are solutions for dividing the waters to meet a diversity of needs and water uses.



ICID Participates in the Webinar on “Modern Irrigation and Fertilization in Tropical Regions”



MASHAV - Israel's Agency for International

Development Cooperation of the Ministry of Foreign Affairs – and MATC – MASHAV's Agricultural Training Center, are conducting a series of webinars on "Modern Irrigation and Fertilization in Tropical Regions" from 5th May 2021 to 2nd June 2021. The webinar will comprise 5 professional meetings using the Zoom platform. Knowledge Officer Eng. Prachi Sharma represents the ICID during the series of various segments. She highlighted the role of ICID in irrigation, agriculture, food security & their strategy to achieve a hunger-free world. She also gets an e-certificate at the end of the course which extends the roots of ICID into the deep fraternity of "MASHAV online scholar"

In this webinar titled FERTIGATION covering various topics as fertilization, history of fertilization, principles of fertilization, need and essentiality of fertilization & serious of development in modern irrigation.

MASHAV, Israel's official international development cooperation program, was launched in late 1957 with the aim of sharing with the rest of the developing world the know-how and technologies which provided the basis for Israel's own rapid development. As a member of the family of nations, the State of Israel through MASHAV, shares the global responsibility of striving to achieve worldwide sustainable development and social equity to overcome development challenges with a strong emphasis of leaving no-one behind. In alignment with the 2030 Sustainable Development Agenda, MASHAV addresses development challenges by presenting a comprehensive and holistic approach, including the incorporation of several cross-cutting issues such as gender equality, health, education and environmental issues. Within this context, we believe it is imperative to implement an integrated innovative approach, one that combines all components of development assistance.

MASHAV's agricultural programming deals with the introduction of modern

technologies and agro-technical methods designed to increase the levels, sustainability and quality of agricultural production to ensure food security. It also concentrates on introducing effective support systems to enhance the economic viability of agriculture in areas such as marketing, storage and transport, the supply of agricultural inputs, granting of credit and finance to the agricultural sector and upgrading the work of extension services. There is no other way to attain basic food security and sustainability other than promoting and engaging countries in the enhancement of their primary sector - agriculture - in basic food crop production, irrigation, food storage and post-harvest care. There is no shortcut to food security. MASHAV's approach to agricultural development is based on harnessing science, technology and extension. Applied research, the introduction of innovative technologies and the promotion of agricultural crop intensification and diversification are key elements in attaining food security.



IWRA Webinar on “The Role of the SDGs & WASH Initiatives in a Water Scarce World”

IWRA's webinar on The Role of the SDGs & WASH Initiatives in a Water Scarce World focused on this timely issue with more than 125 registered participants. The panellists discussed how to improve traditional water management and solutions, going from energy and carbon intensive and single use to a circular economy, which works with natural solutions while minimizing all

costs – including externalities and non-economic costs. This type of rethinking and revaluing water paradigms, was agreed to be critical, particularly for achieving the SDGs and those focused on water: SDG 6 and SDG 14. Other panellists dug deeper and considered how we look at the environmental and social values related to water – and the necessity of our national policies to

reflect those additional values instead of focusing exclusively on economic ends. This includes not only a holistic approach, but attention on specific areas, such as valuing water at its source, and the infrastructure that delivers water supplies.

Other panellists looked at the relationship between clean water and COVID-19, particularly in Latin America. More than

a year after the virus has become widespread and building on existing research, we have a better understanding of clean water access as a key means to address public health questions. A lack of clean water access impacts the ability to conduct simple activities such as handwashing, for instance. Building on these insights, other experts shed light at the relationship between water access and menstrual health. This included a broad perspective on the ways to address information and social attitudes, for both men and women, as well as addressing

physical issues, such as access to safe and secure sanitation.

The panel agreed that the frameworks which have existed before are not sufficient to address the water scarcity issues that exist today. New ideas, ways of valuing water, and paradigms need to be developed and implemented in a fast-evolving world. The Role of the SDGs & WASH Initiatives in a Water Scarce World webinar was supported by IWRA's Early Career and Young Professionals (ECYP) Task Force. Moderation was provided by

Bassel Daher, Chair of IWRA's ECYP Task Force, and featured the following panellists: Edoardo Borgomeo, Honorary Research Associate, University of Oxford, United Kingdom; Nathalie Chingate-Hernandez, PhD. Student, Universidad de Los Andes, Colombia; Karanja Daniel, Founding Director, COSEDI, Kenya; and, Nivedha Elango, Ph.D. Candidate, Full-Time Scholar, Anna University, India. This webinar was presented by Scott McKenzie, PhD Candidate, University of British Columbia, Canada.



25th National Water Talk

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 stakeholders and encourage people to become active participants in the conservation and saving of water. NWM has so far organized 24 'Water Talks' on a range of topics dominating the sector concerns.

Twenty - Fifth(25th) Water Talk in this series was held on 16th April 2021 on a virtual platform. The talk was delivered by Mr. Rajendra Singh, Stockholm Water Prize Winner and world renowned water warrior. Mr. 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 and there were over 15,000 total viewers watching it live, in addition to the 650 participants on the Webex platform.

Mr. G. Asok Kumar, Additional Secretary & Mission Director, NWM welcomed the participants to the 25th Talk that marks the Silver Jubilee of the 'Water Talk' series. He gave a brief overview of the 'Water Talk' initiative and mentioned how the switch from the physical to digital platform has amplified the reach of the talks both geographically & numerically with people participating from all across the world from countries like Australia, China, Nigeria. Hon'ble Prime Minister launched the 'JSA 2- Catch the Rain' campaign with a tagline- Catch the Rain, where it falls, when it falls through a digital event attended by all District Collectors across the country. PM, in the launch event addressed all officers, local authority and grassroot level workers to

TIME	PROGRAMME	ACTIVITY
03:00 to 03:15 pm (15 mins)	Opening Address	Shri G. Asok Kumar Add. Secy & Mission Director, NWM
03:15 to 04:15 pm (60 mins)	'Catch the Rain' Importance of Water Literacy	Shri Rajendra Singh Stockholm Water Prize Winner
04:15 to 05:00 pm (45 mins)	Q & A Session	Shri Rajendra Singh

join the campaign and work vigorously towards conserving water and reviving water structures for practicing rainwater harvesting in the coming monsoon.

Mr. Asok Kumar introduced the speaker, Mr. Rajendra Singh, often known as 'Water Man' for his tremendous contribution to the water sector. Mr. Rajendra Singh was awarded the 'Stockholm Water Award' in 2015, an award regarded as the 'Nobel Prize' in the water sector. Mr. Singh has been felicitated by several international organizations and also listed by the Guardian as one of the 15 people who can save planet 'Earth'. His contributions include the revival of 15 rivers and role in making 1500 villages water secure in India.

The topic of the e-talk by Mr Rajendra Singh was "Catch the Rain: Importance of Water Literacy". The tagline of the campaign "Catch the Rain- where it fall, when it falls" – Mr. Rajendra Singh conveys a significant message

that can facilitate the growth of water literacy in the country. Water Literacy can be understood at two levels; water conservation and efficient management of water. India is a water surplus country and what is required is to inculcate a sense of respect and promote efficient water management practices, he added. Nature has provided us humans with all resources in abundance like air and water. However, the never-ending human greed is what makes it impossible meet her requirements.

Mr. Rajendra Singh shared an impact study of a project undertaken by his NGO-Tarun Bharat Sangh in the extremely hot and dry Aravalli region of Rajasthan. He along with the local community worked towards water conservation & its impact on climate change through Mitigation and Adaption. The speaker elaborated on the entire process of the exercise carried out by the team to improve rainfall density in the region. He termed the sun's heat falling on the sea as 'red heat' that desalinates the sea water and accelerates cloud formation through evaporation. The clouds or 'blue heat', as he likes to term it moves towards the 'green heat' or simply green vegetation due to the process of trans-evaporation. As soon as the 'green heat' meets the 'blue heat', both generate discharge in the form of 'rain'. The discharge or rain falling on the green cover was further diverted to existing water bodies turning them into traditional water bodies. This gave birth to agriculture and increase in green cover in the region. Evaporation from the perennial water bodies increased the humidity and led to the formation of 'micro clouds'. These newly formed 'micro clouds' started attracting macro clouds originating above the Arabian sea. The union of the clouds led to a remarkable increase in rainfall in the area since 1985. This entire exercise helped in reducing the heat and increasing the rainfall and

soil moisture in turn improving the green vegetation of the area. The water supply in the wells accelerated the process of reverse migration which Shri Singh terms as a successful exercise of adaptation and mitigation of climate change.

The speaker gained international

recognition after his slogan 'Water is climate and climate is water' was accepted by the United Nations (SDG 2015) and by COP21 (Paris Agreement). The success of a small experiment conducted by the NGO in Rajasthan paved the way for a change in global water policy. 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 saw some interesting and unique questions from people across the country.



ICID Invites Nominations for 2021

WatSave Awards and Recognition of World Heritage Irrigation Structures

ICID has 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 Award 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 Structure

Nominations are 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 neighbouring 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, i.e., 30 June 2021.

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



ICID Activities

ICID Contributions to International meetings

- **ICID-FAO session- Water for food security: every drop count to add productivity and wellbeing**

The Programme is under discussion and finalisation. ICID plans to nominate one expert to make the presentation.

- **ICID-ICARDA session- Leveraging the untapped potential of food production under water scarcity and climate change in the Arab region**

President Ragab will be co-chair of the session and will make key note presentation (15 minutes) during the session. ICID will nominate one expert to make presentation on the topic and PH Er Felix Reinders, Chairman, WASAG will be one of the panellists during panel discussion

- **ICID-IWMI session - Impact of Research, Technology and Innovations on Water Productivity**

ICID SG Er Pandya will deliver closing remarks. ICID will suggest name of one or two experts from India and China for making case studies presentations, and suggest name of one expert as panellist for panel discussion

Cairo Water week: In respect of Cairo Water Week (CWW), ICID has been supporting African Young Water Professionals eForum (AfYWPeF) through training programmes during CWW (since its inception) and will continue to support activities of AfYWPeF. In this regard, ICID is coordinating with VPH Dr Wahba.

ICID Annual Report 2020-2021: Call for Updated Information from NCs & DMs

The International Commission on Irrigation and Drainage (ICID) Central Office is in the process of compiling

the ICID Annual Report for 2020-21. The ICID Central Office has sent out emails to National Committees and Direct Members requesting for information for inclusion in the Annual Report. The Chairs of National Committees are requested to kindly provide detailed information about the events, meetings held and any other material relevant to the national committee for the year 2020-2021 which could be included in the Annual Report. Suitable pictures and/ or

audio-video media may be included with the submission. National Committees are requested to update the data relating to the agricultural scenario of their country with the latest and accurate information on the total arable area, total irrigated and drained area and areas under sprinkler and micro-irrigation.

We request you to kindly review the existing data from 2019-2020 Annual Report from the link http://www.icid-ciid.org/icid_data_web/ar_2019.pdf in case the information needs to be updated. The latest information may be mailed to ICID Central Office for updating the same. Similarly, the Direct Members are requested to provide detailed information about the events conducted, meetings held and any other relevant material related to their professional activities during the year 2020-2021.

org/icid_data_web/ar_2019.pdf in case the information needs to be updated. The latest information may be mailed to ICID Central Office for updating the same. Similarly, the Direct Members are requested to provide detailed information about the events conducted, meetings held and any other relevant material related to their professional activities during the year 2020-2021.



Launch of New ICID Website

We are pleased to announce the launch of our new website along with a new look, we have included some features that we hope will make visiting the site easier and a more interactive experience. Our primary goal during the redesign process was to create a more valuable, user-centric and responsive resource across all platforms and devices. Specifically, we wanted to focus on making it easier for our users to learn and locate valuable information about our technical solutions for their particular application not only at their desk but on mobile devices. Central Office briefly walked through various new features of the website especially section on professional information of present and past office bearers and members of National Committees (NCs).



Upcoming ICID & Other International Events

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.

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

Water Institute located at UNSW Sydney, Australia (www.globalwaterinstitute.unsw.edu.au) Water Policy Group members will work with researchers from the Global Water Institute on the delivery of the 2021 survey.

The WATER POLICY report will be based on a survey of the perspectives and opinions of persons who are decision makers on, or key influencers of, water policy at the national level from a wide range of countries of different regions and national income categories. Ministers, very senior officials and persons from outside government with significant influence in national water policy may be invited to respond to the survey. Invitations and survey material will be sent to respondents in confidence. Survey responses will be anonymous and combined with all other responses in preparing the Water Policy Report.

The report aims to identify the issues governments are dealing with in a broader global context of the Sustainable Development Goal on water and



73rd IEC Meeting and 24th ICID Congress will be rescheduled from 3 October to 10 October 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.

Water Policy Report 2021- Water Policy Group is a global network of water sector experts who have been decision makers and trusted advisers within governments and international bodies handling water policy and strategy. The members of the group have had direct experience in working with complex water policy issues, and share a common goal that their knowledge, networks and experience can help achieve the sustainable development of water resource to serve the global public interest. The Water Policy Group secretariat is provided by the Global

sanitation (SDG 6) and the United Nations Global Acceleration Framework for this goal. The first edition of the report is intended for release in 2021, early enough to inform the preparation of the World Water Development Report 2022 and events for World Water Day, with its special focus on groundwater.

Singapore International Water Week 2021 will take place virtually from 22 June – 2 July. As one of the leading water events in the world for urban water management, we look forward to welcoming friends and colleagues from the international water community to join us at our event, as we continue to build partnerships and collaboration to meet the emerging challenges facing the global water sector. With an emphasis on innovation, solutions and technologies that are relevant to the wider Asian region, SIWW 2021 will focus on key thematic areas including climate resilience, resource circularity and digital water.



5th Arab Water Forum - The series of triennial Arab Water Forum (AWF) is considered the most important water-related event in the Arab region. The 5th edition of AWF will be convened by the Arab Water Council during the period 21 - 23 September 2021 in Abu Dhabi under the patronage of the United Arab Emirates' Ministry of Energy & Infrastructure and supported by the League of Arab States (LAS) and the Ministry of Water Resources and Irrigation of Egypt (MWRI), in collaboration with national, regional and international partners. Providing a unique platform for communication, the 5th AWF is considered the stage where Arab water community leaders and key decision-makers thoroughly discuss water challenges that the Arab region is facing, being one of the most water-scarce regions in the world. The Forum also represents an important milestone in the run-up to the World Water Forum (WWF) and a meeting point for stakeholders who wish to be involved in the Arab regional process to reflect the voice of the Arab region in the WWF, promoting priority areas for development in key

water related sectors and mobilizing key actions towards achieving water security for the Arab region.



15th World Aqua Congress, September 14 - 17, 2021

Aqua Foundation's World Aqua Congress (Conference & Exhibition) brings together water, environment and related professionals from around the world and offers new insights into how cutting-edge research, technological innovation and leading practices shape the major transformation in water management. The conference provides a unique opportunity to learn about the latest trends in best practices, innovative technologies and cutting edge research. The 2021 edition of World Aqua Congress aligns itself with theme of UN World Water Day. This year's theme is "Valuing Water". This focus will extend beyond issues of pricing to include the environmental, social, and cultural value people place on water. Water means different things to different people. In households, schools and workplaces, water can mean health, hygiene, dignity and productivity. The conference is being organized along with exhibition on water technology. Various new technologies have emerged for efficient use of water, water management, waste water treatment, distribution, desalination, recycling, re-use etc., and exhibition provides a platform for display of these technologies.

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 side events, the exhibition and sponsorship opportunities, as well as the early registration and much more. Website <http://www.worldwatercongress.com/> Email office@iwra.org



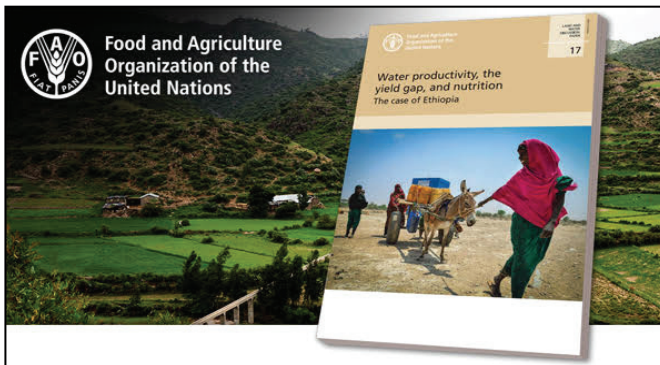
Granada, Spain 39th IAHR World Congress, 2022 From Snow to Sea On behalf of the International Association for Hydro-environment Engineering and Research (IAHR) the 39th IAHR World Congress to be held in Granada, Spain, from June 19th to 24th, 2022. For more than seventy-five years, the biennial IAHR 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 decisionmakers 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.



Publications

New FAO Land and Water Discussion Paper “Water productivity, the yield gap, and nutrition. The case of Ethiopia”

Food system transformation is needed to address the hundreds of millions of people without adequate access to water or food for a healthy life. Nutrition and malnutrition are inextricably linked to water for food, sanitation, hygiene. With 30 percent of the world’s population living in water-stressed environments, the impacts of water scarcity and malnutrition are expected to affect half of the world’s population, and we need a strategy



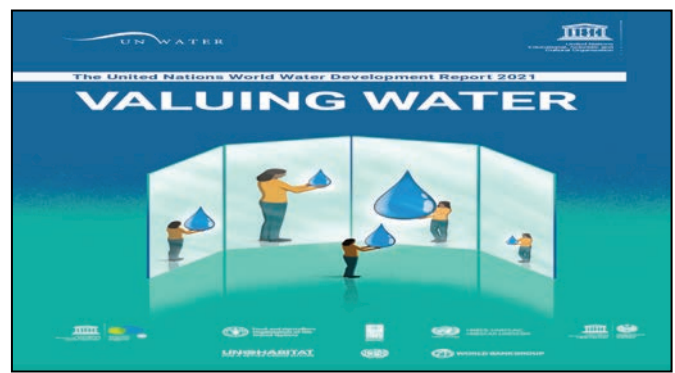
to assist farmers to produce staples for basic food security while, at the same time, increasing the production of high-value and nutrient-dense crops.

This report investigates the relationship between water, food security and nutrition using data from Ethiopia on yield, water productivity, and the macro and micronutrient contents of food. Like other countries in Africa and elsewhere, Ethiopia is challenged by erratic rainfall and dry spells. With limited capacity to cope with risks, smallholder farmers concentrate on staple crops, chiefly maize, teff, pulses and oilseeds. Low yields, low water productivity and a lack of diversification of cropping patterns have severe consequences for food security, nutrition and livelihoods.

It is argued that higher yields - of both staple and nutritious crops - are possible, and that water management is a key issue. Efforts to enhance water productivity can and must be linked to the promotion of healthy diets. Nutritious food on the plate must first be produced in the field. Better coordination and timing of water and other inputs, notably fertilizers and improved seeds, is likely to enhance productivity - with available resources - and to reduce the threats of a further encroachment of agriculture into other ecosystems.

The United Nations World Water Development Report 2021

UNESCO, on behalf of UN-Water, has published the 2021 edition of the World Water Development Report (WWDR) on “Valuing Water”. It assesses the current status of, and



challenges to, the valuation of water across different sectors and perspectives, and identifies ways in which valuation can be promoted as a tool to help achieve sustainability. Production of WWDR is coordinated by the UNESCO World Water Assessment Programme.

International Day for Biological Diversity

The United Nations has proclaimed May 22 the International Day for Biological Diversity (IDB) to increase understanding and awareness of biodiversity issues. When first created by the Second Committee of the UN General Assembly in late 1993, 29 December (the date of entry into force of the Convention on Biological Diversity), was designated The International Day for Biological Diversity. In December 2000, the UN General Assembly adopted 22 May as IDB, to commemorate the adoption of the text of the Convention on 22 May 1992 by the Nairobi Final Act of the Conference for the Adoption of the Agreed Text of the Convention on Biological Diversity. This was partly done because it was difficult for many countries to plan and carry out suitable celebrations for the date of 29



22 MAY 2021
BIODIVERSITY DAY
 We're part of the solution #ForNature

December, given the number of holidays that coincide around that time of year.

The Secretariat of the Convention on Biological Diversity is pleased to announce the Biodiversity Day 2021 slogan: “We’re part of the solution”. The slogan was chosen to be a continuation of the momentum generated last year under the over-arching theme, “Our

solutions are in nature”, which served as a reminder that biodiversity remains the answer to several sustainable development challenges. From nature-based solutions to climate, health issues, food and water security, and sustainable livelihoods, biodiversity is the foundation upon which we can build back better.



ICID•CIID

Tentative Program for

**ICID Foundation Day: 24 June 2021,
72nd Year Celebrations (Virtual)**
(Two hours Webinar)

**THEME: Sustainability of Agricultural Water Management under
Difficult Circumstances**

Date: 24th June 2021 (Thursday) **Time:** 15:00- 17:00

Time	Topic
15:00 –15:10	Welcome address by Prof. Dr. Ragab Ragab, President, ICID
15:10 –15:30	Keynote Address by Mr. Ashok Dalwai , CEO, National Rainfed Area Authority (NRAA), Ministry of Agriculture & Farmers Welfare, Government of India, New Delhi
15:30 –15:50	Address by Mr. S.K. Haldar , Chairman, Central Water Commission (CWC) and Chairman, Indian National Committee on Irrigation and Drainage (INCID), New Delhi, India
15:50 –16:10	Presentation by Mr. Alok Sikka , IWMI, New Delhi. Topic: “Agricultural Water Management: Building Resilience to Respond to Shocks and Risks”
16:10-16:25	Presentation by Mr. Dan Alluf , Counsellor MASHAV, Embassy of Israel in India, New Delhi
16:25-16:45	Presentations by ICID National Committees Australia: Mr Momir Vranes “Sustainability of Agricultural Water Management Under Difficult Circumstances – Keeping Ahead ...” Egypt: Dr Gamal Elkassaar - Director of WMRI-NWRC, the Deputy Chairman of ENCID, "The need for Branch Canal Rehabilitation and Modern Irrigation Systems" India: VPH Dr. Yella Reddy , INCID
16:45 –16:55	Discussions
16:55 –17:00	Concluding remarks by Er. Ashwin B. Pandya, Secretary General, ICID