

News Update

February 2019

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



ICID•CIID

From Secretary General's Desk...

Dear Colleagues,

With great pleasure, I wish to inform that preparations are underway for the upcoming Third World Irrigation Forum (WIF3) & 70th IEC Meeting to be held in Bali,

Indonesia later this year. So far, ICID has received more than 250 abstracts from all over the world and we take this opportunity to welcome all prospective delegates and authors to be a part of this riveting experience in Bali that would provide an excellent opportunity to engage with other stakeholders and to showcase your contribution towards the thematic objectives of the Forum. The Background papers for the three sub-themes during WIF3 are under preparation with active lead from FAO, the World Bank and Asian Development Bank (ADB).

This month, ICID also participated in the International Dam Safety Conference (IDSC) organized by Central Water Commission



(CWC) in collaboration with Odisha State Water Resources Department and the World Bank from 13-14 February 2019 in Bhubaneswar, Odisha, India. India ranks third globally with 5264 large dams in operation and 437 large dams under construction. As part of the institutional strengthening component of Dam Rehabilitation and Improvement Project (DRIP), CWC is organizing the Dam Safety Conference as an annual event that aims in bringing greater awareness on dam safety issues and implementing novel solutions to address them by pooling the best technologies, knowledge and experience from around the world with the aim to safeguard lives and property and to continue the benefits derived from dams for national development.

Several international organizations of repute including the International Commission on Large Dams (ICOLD) as well as various National Committees on Large Dams contributed as organizing partners during the conference, which was a tremendous success. The conference attracted more than 725 delegates with 100 international participants from 29 countries.

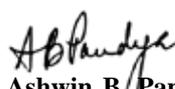
In other arenas, IYPeF is organizing technical e-Discussions and webinar activities as part

of its mandate to actively engage young professionals from all over the world and to increase the vitality of ICID activities through an open platform. Recently, ICOMOS-International visited ICID Central Office to discuss the role of Heritage Waterscapes and how ICID's World Heritage Irrigation Structures (WHIS) scheme could benefit and bring forth the ancient irrigation structures from developing countries to spread the age-old wisdom to manage water resources judiciously.

On a parting note, I am pleased to introduce our new Director (Technical) Er. Balasaheb Anantrao Chivate, who joined early this month. As a pivotal member of ICID family he will be communicating with you all soon and I am sure with his stewardship and technical guidance, ICID will reach greater heights.

We all look forward to the organisation's success with you. Welcome aboard!

Best Wishes,


Ashwin B. Pandya
Secretary General

Welcome Saudi Arabia: Reactivation of SACID National Committee

ICID is proud to announce the reactivation of Saudi Arabian National Committee (SACID) and become an active member of ICID's expanding network. SACID has nominated Mr. Bahaa K. Helmy as the nodal person to actively engage in the activities of the committee and support ICID to take forward its vision and mission.

ICID fraternity is grateful to Mr. Helmy for his vital role and efforts in bringing Saudi Arabia into its fold. It is also thankful to Royal Embassy of Saudi Arabia in New Delhi and the Ministry of Environment, Water and Agriculture for their constant support to reactivate membership of Saudi Arabia. ICID highly appreciates SACID's dynamic role and strong support to ICID since 1977 in promoting its mission to advocate and promote policies for sustainable agricultural water management.



All NCs are requested to take note of the new contact details of SACID:

Mr. Bahaa K. Helmy
Saudi Arabian National Committee
of ICID (SACID)
Department of International
Relations
Ministry of Environment
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Riyadh
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Highlights of the Issue

- IRPID-IRN to organise International Training Workshop on Water Accounting in Ahwaz, Iran | 23-26 February 2019
- ICID participates in World Wetlands Day observed on 2 February 2019 on the theme "Wetlands and climate change" in New Delhi, India
- VP Dr. Marco Arcieri visits ICID Secretariat; interacts with SG Pandya | 23 Jan 2019
- International Young Professionals Training Program (YP-TP) in Korea | 22-26 April 2019
- IYPeF First e-Discussion held on Non-conventional water use/ reuse in irrigation | 15-31 January 2019
- Call for Nominations: 3rd World Irrigation and Drainage Prize – 2019 <Last date to apply is 31 March 2019>

Visitors to ICID Central Office

Meeting with DWFI officials

Dr. Peter G. McCornick, Executive Director and Dr. Christopher Neale, Director of Research from Daugherty Water for Food Global Institute (DWFI) visited ICID Central Office on 21 January 2019 and interacted with Secretary General A.B. Pandya, Executive Director Harish Varma, Dr. Sahdev Singh (Dir-KM) and Dr. Vijay Labhsetwar to discuss future possibilities and avenues for cooperation between DWFI and ICID including the upcoming Third World Irrigation Forum (WIF3) in Bali, Indonesia; collective involvement in WASAG and DWFI Conference in April 2019. Besides, a range of topics were discussed including a keynote address by Dr. McCornick in one of the plenary



sessions of WIF3 and DWFI's contribution to ICID Knowledge Portal Development and Working Group on Drought Mitigation with Mr. Frank Dimick (USCID) as the Chair. To enhance the role of DWFI in ICID activities, Dr. McCornick expressed his interest in organising a 'Supporting Event' on "Improving Water Productivity

in the Age of Big Data" during WIF3 that would provide an excellent opportunity to engage with other stakeholders and to showcase how they could contribute towards the thematic objectives of the Forum. In this regard, they submitted an Expression of Interest (Eoi) and also invited ICID to be a part of the Global Conference on 'Water for a Hungry World: Innovation in Water and Food Security' in April 2019. SG Pandya assured to promote the DWFI event and give it due publicity via other ICID channels. DWFI also assured their full support and active participation to the WASAG Working Group on Communication through Ms. Molly Nance, Public Relations and Communications Director (DWFI).

VP Dr. Marco Arcieri meets ICID officials

Vice President Dr. Marco Arcieri and Secretary General (ITAL-ICID) made a courtesy visit to ICID Central Office on 23 January 2019 and held a brief interaction with SG Pandya and ICID officials. VP Dr. Arcieri appreciated the proceedings of the 9th International Micro Irrigation Conference recently held in Aurangabad, Maharashtra, India (16-18 January 2019) and further discussed the activities pertaining to Special Task Force to explore the feasibility of establishing an Independent Service Unit related



to ICID Mission (STF-ISU). During the meeting SG Pandya discussed the participation of Italian National Committee (ITAL-ICID) in the upcoming WIF3 and 70th IEC Meeting to be held in Bali,

Indonesia (1-7 September 2019). The "Call for Papers" has been announced on the official website of the forum (<https://icid2019.com/>) and interested professionals are requested to submit their abstracts of technical and research papers in the respective themes/sub-themes and international workshops for presentation during the forum. VP Dr. Arcieri expressed his interest and assured active representation from ITAL-ICID and to further publicize the event among potential stakeholders.

Er. Chivate appointed as new Director (Technical)

ICID Central Office has strengthened its team to serve its patrons better and is glad to announce the joining of Er. Balasaheb Anantrao Chivate, as the new Director (Technical) w.e.f, 1 February 2019. Er. Chivate has more than three decades of professional experience in the field of land, drainage, irrigation and water resources management. He pursued his diploma in irrigation water management from WALMI, Aurangabad, India and completed his MIE from the Institution of Engineers (India) in Kolkata. In 1998, he obtained his M.E (Irrigation Water Management) from Indian Institute of Technology (IIT) Roorkee, India and is also a Fellow member of the Indian Water Resources Society based in Roorkee.

He has worked with WALMI, Aurangabad for more than 10 years and has imparted training on irrigation water management

to farmers and engineers. He has got 23 technical papers published in various journals and also received the Best Paper Award during the 26th Indian Engineering Congress in Bengaluru, India (2011). Er. Chivate has sound knowledge and expertise in various aspects of survey, research, water accounting, benchmarking of irrigation projects and has also worked extensively with the State irrigation department in Aurangabad, Maharashtra, India.

ICID fraternity wishes him a successful tenure and looks forward to his stewardship and technical guidance in achieving ICID's mission, vision and goals.



Save Wetlands to face Climate Change

To mark the precious role wetland ecosystems play in ensuring climate security and overall societal well-being, World Wetlands Day was observed worldwide on 2 February to raise awareness on the values wetlands have for nature and society. The day observed since 1995 marks the date of adoption of Ramsar Convention on Wetlands, which is the only multilateral environmental agreement to date for conservation and wise use of wetlands.

With climate change already upon us and its impact likely to increase due to increasing emissions and global temperatures, Wetlands International South Asia (WISA) organised a seminar on 2 February 2019 on the theme "Wetlands and Climate Change" in India, New Delhi. The seminar discussed pathways and policy directions for mainstreaming diverse wetland



World Wetlands Day. He presented an overview of various initiatives taken by the organisation to promote holistic management of wetlands in the South Asia region. Dr. Kaul also informed the audience that the designation of Sundarban as a Ramsar site had been completed on 1 February 2019, a day prior to the World Wetlands Day and reiterated it's high time we understand the importance of wetlands to face inevitable impacts of climate change, even as we must continue to do everything possible to reduce emissions.

For more information, please visit <https://south-asia.wetlands.org/news/world-wetlands-day-2019-lets-make-wetland-conservation-popular-movement/>

“Let’s pledge and make wetland conservation a popular movement.

ecosystems and ecosystem values in climate policy.

The seminar was attended by around 70 participants from central government agencies, International organisations, academia, civil society, media and experts including ICID, Centre for Science and Environment, National Institute of Disaster Management (NIDM), International Water Management Institute (IWMI), South Asia Network on Dams, Rivers and People (SANDRP), Red Cross & Red Crescent Climate Centre, GIZ India, AfghanAid, National Environment Engineering

Research Institute (NEERI, Delhi School of Economics, INTACH, SEEDS and Save the Children.

The theme very fittingly brought to forefront the essential role wetlands play in mitigating climate change as well as assisting humanity to adapt to the climate change impacts. According to data, wetlands hold close to 5% of freshwater in India.

At the outset, Dr. Sidharth Kaul, President, WISA welcomed the audience and gave an introduction on the importance of



Ramsar tag makes Indian Sunderbans largest protected wetland in India



The Indian side of the Sunderbans received the prestigious 'Wetlands of International Importance' tag under the Ramsar Convention on Wetlands, making it the largest protected wetland in the country. Home to the royal Bengal tiger, this is the second Ramsar site in Bengal after the East Kolkata Wetlands, which got the tag in 2002. The decision was recently taken at a Ramsar convention in Geneva. The Sunderban Wetland was listed as the 27th site in India on the official Ramsar website.

Read more at: <https://timesofindia.indiatimes.com/city/kolkata/ramsar-tag-makes-indian-sunderbans-largest-protected-wetland-in-country/articleshow/67813084.cms>

International Training Workshop on Water Accounting 23-26 February 2019 | Ahwaz, Iran

The International Research Program for Irrigation and Drainage-Iran Regional Node (IRPID-IRN) affiliated to ICID is organizing an “International Training Workshop on Water Accounting- Concepts and Tools” with the support of leading institutions and specialists in the field of water accounting to be held from 23-26 February 2019 in Iran (23 February in Tehran; 24-26 February in Ahwaz).

The workshop which is the first joint professional collaboration of FAO, ICID and IRPID-IRN will introduce concepts and tools to a wide range of audiences including high-level decision-makers, academics and professionals in the water, agriculture and environmental sectors. Renowned and experienced researchers and senior experts in the field of water accounting are being invited from FAO, ICID, IWMI and academia as speakers and instructors for the workshop.

The Water Accounting (WA) workshop intends to:

- Introduce global experiences, international

activities and state-of-the-art of knowledge on water accounting.

- Discuss challenges in developing and implementing water accounting frameworks.
- Highlight the need to apply water accounting frameworks for efficient water resources management at different geographical scales (from farm to catchment).
- Draw the attention of decision-makers at the national level to the use of new concepts and tools for better water resource managements.

Taking into account the importance of reviewing the international experiences in implementing national water accounting to understand the challenges and opportunities at the national level, the following topics will also be covered during the workshop:

1. Providing a general overview of water accounting frameworks
2. Introduce recent experiences in developing and implementing WA pilots

3. Practical approaches and national program in monitoring agricultural water consumption
4. Application of remote sensing in support of WA
5. Challenges in monitoring non-consumptive uses (return flows) / irrigation efficiency.

In addition, a technical/cultural tour to Shushtar’s Historical Hydraulic Systems will be held on 26 February 2019. The collection of mills and waterfalls in Shuster is one of the unique monuments that has been registered in the World Heritage List. The work reflects the knowledge of water engineering in the past and provides valuable information about its operation on water usage and its reserve during the time.

For more details, please visit: www.irpid-iran.org

For any inquires for the WA workshop, please send mails to irpid.iran@icid.org

Virtual Meetings

First Meeting of WG-SDTA

To proceed and evolve the action plan for 2019, the members of Working Group on Sustainable Development of Tidal Areas (WG-SDTA) organised the first WebEx meeting (1/2019) on 30 January 2019. The meeting was virtually attended by



Dr. Ruey-Chy Kao, Ir. Henk P. Ritzema, Ir. Hj. Nor Hisham Bin Mohd Ghazali, Prof. Budi Sasntoso Wignyosukarto, Dr. Ikuo Yoshinaga, Mr. Paavan Kumar Reddy and Dr. Vijay Labhsetwar from ICID Central office. The meeting agenda provided a brief overview of the new mandate and various activities of the working group.

Ir. Hj. Nor Hisham Bin Mohd Ghazali, Malaysia has been nominated as the new Secretary of the WG. Eng. Elaraby Mohamed Gomaa Elkashawy and Prof. Dr. Hossam Reffat from Egypt were nominated as 'provisional members' for the WG. Dr. Ikuo Yoshinaga (Japan) was nominated as 'Member' of the WG and will undertake the MTD terms related to scope and mandate of the WG. The

meeting further discussed the steps to execute the activities of WG-SDTA to achieve the ICID Action Plan 2030. Later, the WG informed about organising a 'Side Event' on 'Global challenges of land subsidence in tidal areas and the integrated solutions' during WIF3 and an International Workshop on 'Integrated Development of Tidal Areas – An Exchange of Expertise from Basin Perspective' on 2 September 2019. ICID CO intimated that it has circulated the 'Call for papers' for this workshop to all potential stakeholders. To leverage the potential of online tools, the WG decided to organise a web-based seminar on 'Drainage Capacity and Flood Disaster in Tidal Areas under a Variable and Changing Climate' in February 2019 and an e-Discussion on 'Integration of Drainage tail, Land subsidence, Ground water and management in Tidal Areas' in April 2019.

First Preparatory Meeting for WIF3

The first WebEx meeting (1/2019) between Indonesia National Committee (INACID) and ICID to discuss the preparation for the upcoming WIF3 was held on 23 January 2019. Participants from INACID were Ir. Adang Saf Ahmad, President, INACID; Ir. Moch Amron; Mr. Syaiful Mahdi; Ir. Mohammad Zainal Fattah and Ir. Nita Yuliati. Secretary General A.B. Pandya; Er. Harish Varma, Executive Director, Dr. Sahdev Singh, Director (KM) and Dr. Vijay Labhsetwar

participated from ICID Central Office.

SG Pandya welcomed all the participants and asked to proceed with the agenda. The meeting deliberated on improving the contents of WIF3 official website; Exhibition arrangements; ICID Awards and Supporting Events by INACID. The composition of the team for preparing sub-theme wise background papers was shared and agreed. ICID Central Office intimated that it has circulated the 'Call for papers' and 'International Workshops' for WIF3 to all stakeholders globally. Besides, the 'Call for Expression of Interest' (EoI) for the Supporting Events' has been circulated and so far 8 Supporting Events have been confirmed by various stakeholders. The agenda of the meeting further focused on Ministerial and Farmers Roundtables. It was informed that 10-15 farmers from abroad may participate besides Indonesian farmers.

The Young Professional Training Workshop-I has been confirmed by the United Nations University (UNU) titled 'Capacity Development for Improving Croup Water Productivity under Irrigated Agriculture'. However, YP Training Workshop-II is still being worked out. The revised and updated program along with the format for opening and closing ceremony was also discussed and agreed. The meeting ended with thanks and the members agreed to have regular meetings between ICID CO and INACID to discuss important emerging issues.

International Young Professionals Training Program in Korea

The Korean National Committee on Irrigation and Drainage (KCID) in collaboration with the Chinese National Committee (CNCID) and ICID will be organizing the International Young Professionals Training Program (YP-TP) from 22-25 April 2019.

The training program on the theme "**Climate Resilient Smart Irrigation Systems**" along with the study tour will be followed by an international expert consultation workshop on "**Irrigation Technologies to Mitigate Climate Change**" (26 April 2019) to provide an opportunity to the young professionals (YPs) to have a broader and in-depth exposure to emerging irrigation technologies and management scenarios considering the urgent need for a sustainable climate change-resilient agriculture sector. In addition, the technical sessions by international experts will provide an excellent opportunity to the YPs to expand their knowledge base and understanding of modern tools, technologies and decision-support systems for improving water productivity and water use efficiency.

All National Committees (NCs) have been invited to nominate eligible YPs (below 40 years) from institutions engaged in agricultural water management from their respective country. ICID on its part will be sponsoring 20 YPs to attend the training program based on the nominations received from the NCs taking into consideration YPs' qualification, professional experience and contribution through their country irrigation and drainage status paper.

ICID as a part of its capacity development program and to attract budding young minds to agricultural water management (AWM) sector has been organizing training programs for YPs regionally and internationally. The previous YP training program was organised in Beijing, China in April 2018.

More details about the training program/workshop is available at http://attachment.benchmarkemail.com/c386762/Concept_Note-YP-TP.docx.

Call for Nominations : 3rd World Irrigation & Drainage Prize 2019

The 3rd World Irrigation and Drainage Prize will be presented during the Third World Irrigation Forum (WIF3) to be held in Bali, Indonesia from 1-7 September 2019. The Prize carries an honorarium of US \$10,000 along with a 'Citation Plaque'. The triennial World Irrigation and Drainage (WID) Prize instituted by ICID is awarded to dedicated professionals and institutions who have actively contributed to the development of Irrigation and Drainage during the past 15 years supporting increased agricultural production at national, regional and international levels.

More information, including the detailed procedure for nomination and other conditions and criterion for WID Prize along with the nomination form can be accessed at http://www.icid.org/wid_prize.html.

All National Committees are requested to circulate the 'Call for Nominations' widely amongst professionals/teams/institutions within their country and submit the nominations to ICID Central Office latest by **31 March 2019**.

IYPeF First e-Discussion on Non-conventional water use/reuse in irrigation

With an aim to actively engage the young professionals at a global level and to increase the vitality of ICID activities through an open platform, the ICID Young Professional's e-Forum (IYPeF) has streamlined five e-Discussions for 2019 with a specific focus on the upcoming Third World Irrigation Forum and 70th IEC meeting to be held in Bali, Indonesia (1-7 September 2019).

The first IYPeF e-Discussion on 'Non-conventional water use/ reuse in irrigation' was held from 15-31 January 2019. Ms. Eman Ragab (Egypt) contributed as the IYPeF lead coordinator, while Prof. Ragab Ragab, Principal Research Scientist at

conventional water use/re-use in irrigation for sustainable agriculture, challenges and potential solutions in achieving food security. Taking into consideration the challenges, opportunities and extensive research undertaken in this domain, the discussion aimed to (a) Get an insight into the non-conventional water types, its use and challenges in irrigated agriculture; (b) Discuss the need for putting in place policies, schemes and measures that would help in promoting sustainable management tools of non-conventional water use/re-use; and (c) Highlight the views of young professionals in regard to non-conventional water use/re-use.

management of non-conventional water for irrigational activities.

The detailed e-Discussion can be accessed at <<https://www.linkedin.com/feed/update/urn:li:activity:6489422991187894272/>>. The second e-Discussion on "Solar-Powered Irrigation System: Exploring Opportunities and Threats" started 15 Feb-2 March 2019 with Mr. Amali Abraham Amali (Nigeria) as the discussion coordinator. All YPs are encouraged to actively participate and contribute to these e-Discussions and bring forth their collective wisdom to the topics to make it more enriching, informative and insightful.

IYPeF e-Discussions schedule-- Jan-May 2019			
Sl. No	Topic	Lead IYPeF Coordinator	Schedule
1.	Non-conventional water use/ reuse in irrigation	Dr. Eman Ragab	15 January 2019
2.	Solar-Powered Irrigation System: Exploring Opportunities and Threats	Mr. Amali Abraham Amali	15 February 2019
3.	Soil conditions (wellbeing) to ensure sustainable agriculture and coping with climate change	Mrs. Kathleen Murray & Mr. Shoaib Saboory	15 March 2019
4.	Flood management in agriculture	Ms. Sahar Norouzi	15 April 2019
5.	Cost effectiveness of field drainage (subsurface drainage or open channel drainage)	Ms. Adey and Mrs. Kathleen Murray	15 May 2019

Ecology and Hydrology, UK contributed as a mentor and steered the discussion with his valuable inputs pertaining to the subject matter to make it more insightful and interesting.

Through the e-Discussion, YPs explored and discussed the role of non-

All YPs actively participated in the e-Discussion and expressed their views on various aspects of the topic bringing forth how the non-conventional water is currently contributing to the agriculture and what measures could be taken further to promote a safe and better

The detailed list of e-Discussions for 2019 is now available on IYPeF Group page. For more details, please visit: <https://www.linkedin.com/groups/6990321>

ENROLL NOW..!!

Online course: The Paris Agreement on Climate Change as a Development Agenda

A six-week joint UN Climate Change–UNSSC online course on 'The Paris Agreement on Climate Change as a Development Agenda' will run from 11 March-19 April 2019. The online course offers a holistic and integrated approach to climate change and demonstrates the interlinkages and interdependencies between sustainable development and climate change to make informed policy choices towards low-carbon and climate resilient sustainable development. The course frames climate change impact and action around five core cornerstones of the 2030 Agenda: People, Planet, Prosperity, Peace, and Partnership.

At the end of the six weeks, participants will be able to:

- Explain key elements of the Paris Agreement on Climate Change and the



2030 Agenda, and the role of climate action in the broader context of sustainable development;

- Identify and articulate the interrelations and inter-dependencies between the Paris Agreement on Climate Change and the 2030 Agenda for Sustainable Development in five critical dimensions of sustainable development: People, Planet, Prosperity, Peace and Partnership;
- Identify and articulate best practices to ensure coherence and mutual

reinforcement between the Paris Agreement on Climate Change and the 2030 Agenda for Sustainable Development;

- Explain existing tools and instruments to mainstream sustainable development and climate action into national development policies and planning.

Participants will also benefit from live moderated webinars which feature valuable inputs from renowned subject matter experts, and allow real-time interaction between participants and the high-level speakers. Deadline for registration is 1 March 2019. For any queries, please email sustainable-development@unssc.org or Angela Wagner at a.wagner@unssc.org.

To register, please visit: <http://bit.ly/ParisAgreement2019>

5th African Regional Conference on Irrigation and Drainage 16-19 March 2020 | Marrakech, Morocco

The Moroccan National Committee of ICID (ANAFIDE) will be organizing the 5th African Regional Conference on Irrigation and Drainage (ARCID) from 16-19 March 2020 in Marrakech, Morocco to exchange experiences about lessons drawn, innovative technologies and irrigation development strategies to reduce deleterious impacts of climate change on African agriculture

The 5th ARC will focus on the theme "Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa" considering the need to address the aforementioned challenges to improve resilience in agriculture productivity for ensuring food security for the present and future generations in the African region.

The following four sub-themes will be covered under the main theme:

- (i) Strategies to cope with water scarcity;
- (ii) Valorization of irrigation water;
- (iii) Management of irrigation schemes at different scales; and
- (iv) Drainage and ecological issues.

The conference will bring together a wide range of participants, including policy decision makers, professionals, academicians and researchers from Africa and beyond working in irrigation and drainage or closely related fields and will provide an opportunity to revisit Moroccan achievements in modernized irrigated agriculture and appreciate historical attractive places in the country.

ANAFIDE is pleased to invite all prospective delegates to attend and contribute to this important regional conference that will be held in Marrakech, Morocco, an attractive tourist place centrally located in arid region where high demand for water uses both for irrigation, domestic supply and tourism promotion requires challenging water management policies. The city also offers the possibilities to organise technical visits and post conference tours to some major irrigation projects financed and implemented through the PPP model in the southern coastal region of Agadir.

To register, please visit: <http://5sarcid.ma/login/>

Call For Papers

All abstracts should be submitted electronically as a word file to the following email address- anafide.ma@gmail.com with a copy to bartali.h@gmail.com. The abstract template and paper submission form can be downloaded from the conference website.

- Deadline for abstract submission: **1 September 2019**
- Submission of abstract: **1 September 2019**
- Notification of acceptance: **30 September 2019**
- Submission of full paper: **1 December 2019**
- Notification acceptance (oral/poster) of papers: **1 January 2020**

For more details, please contact: Moroccan National Committee of ICID (ANAFIDE); E-mail: bartali.h@gmail.com, anafide.ma@gmail.com; Website: <http://5sarcid.ma>

1st WASAG International Forum on Water Scarcity in Agriculture

Under the patronage of Cabo Verde, in collaboration with Italy and FAO, WASAG announces its 1st International Forum on Water Scarcity in Agriculture to be held in Praia, Cabo Verde, West Africa from 19-22 March 2019, to coincide with the celebrations of the World Water Day 2019 which this year adopts the theme of 'Leaving no one behind.'

The forum aims at identifying concrete – practical, innovative and collaborative-

solutions to address water scarcity in agriculture in a changing climate. With a focus on Cabo Verde, Small Island Developing States (SIDS) and West African countries, the forum is expected to illustrate how water scarcity in agriculture can be addressed and turned into an opportunity for sustainable development, food and nutrition security.

Key Focus Areas: (i) Water and Migration (ii) Drought Preparedness (iii) Financing

Mechanisms for sustainable management of water resources; (iv) Water and Nutrition; (v) Sustainable Agriculture Water Use; and (vi) Saline Agriculture

The Forum is open to partners, stakeholders, academics, practitioners, and policy makers from the public and private sectors and civil society. For more information please visit: <http://www.fao.org/land-water/events/ws-forum/en/>

2019 Water for Food Global Conference

The Daugherty Water for Food Global Institute at the University of Nebraska (DWF) will host the 2019 Water for Food Global Conference at Nebraska Innovation Campus in Lincoln, Nebraska, USA from 29-30 April 2019.

The conference will convene leading international experts and organisations to discuss "Water for a Hungry World: Innovation in Water and Food Security," focusing on the next generation of research, smart technology, policy development and best practices that are achieving a breakthrough in this important mission.

The conference will spur conversations on the following topics—(i) Technology; (ii) Determining the value of water in agriculture and other sectors and; (iii) Farmers, Women and Youth—to bring together a spectrum of stakeholders who understand that feeding growing world population requires new approaches to overcome a host of interconnected challenges, such as climate change, water scarcity and pollution, economic disparity, shifting food preferences, food waste, soil degradation, ecosystem threats and competing demands for resources.

The 2019 Water for Food Global

Conference will also feature special events to encourage interdisciplinary discussions and learning among participants including a student poster competition; photography competition and exhibit; educational exhibit booths; and side events.

The global conference promises a week of water and food security-related presentations, side events, networking opportunities and tours. More details available at: <https://waterforfood.nebraska.edu/news-and-events/events/2018/08/2019-water-for-food-global-conference>

AFRICA 2019: Water Storage and Hydropower Development for Africa

The connection of energy and water is most obvious in electricity generation through hydropower. And dams have an important impact on the environment, on water availability upstream and downstream, and thus on food production and food security. The AFRICA 2019 conference will bring together industry professionals in Namibia, a country with excellent infrastructure and a variety of dams to discuss water and energy issues relevant to Africa.

The conference Water Storage and Hydropower Development for Africa will bring together industry professionals to discuss water and energy issues relevant to Africa. The conference topics will cover areas like civil works and challenging conditions, hydrology, flood and drought management, hydro technology, environmental and social aspects and much more.

- **Where** – Safari Court Congress Centre, Windhoek, Namibia
- **When** – 2-4 April 2019
- **Who should attend?**

All those involved or interested in helping African nations to unlock their vast hydro potential and to advance water resources development, should join the discussions. Speakers and delegates will include owners, operators, developers, financiers, researchers, consultants, contractors, teachers and students.

Major multipurpose water resources schemes, including many large regional hydro projects, are moving ahead in Africa at an unprecedented rate. A status update, potential and development opportunities, as well as technical, environmental and financial challenges, covering all regions of the African continent, will be the focus of the

presentations and discussions. Besides, a full-day training workshop, technical exhibitions, pre and post conference study tours, social programme, accompanying persons' programme have also been organised.

AFRICA 2019 will be the third international conference focusing on water storage and renewable energy development in Africa, co-hosted by Aqua-Media International and the International Commission on Large Dams (ICOLD). Supporting organisations include ICID, the IEA Hydropower, and the national utilities NamWater and NamPower, who are pleased to welcome international experts to come and exchange their experiences on key topics relevant to the African continent.

More details about registration and conference is available at <https://www.hydropower-dams.com/africa-2019/>

River Basin Management 2019

Riverine systems are coming under increasing pressure due to anthropological and natural causes. Prominent amongst the problems affecting them is water scarcity and quality, which requires the development of improved methods for better river management.

Keeping in view the above, the 10th International Conference on River Basin Management Including all Aspects of Hydrology, Ecology, Environmental Management, Flood Plains and Wetlands

will be held from 8 – 10 May 2019 in Alicante, Spain.

River Basin Management 2019 is the 10th Conference in the series which marks the growing international interest in the planning, design and management of river basin systems. The conference topics are exhaustive covering all aspects of river basin management. The objective is to bring together practitioners and researchers in academia and industry with an aim to foster interaction and

mutual understanding and lead to better solutions for river basins.

Call for Papers

To submit your paper or for more information please visit: <https://www.wessex.ac.uk/conferences/2019/river-basin-management-2019>. Papers presented at the River Basin Management meetings are permanently available to the international community in digital format at www.witpress.com/elibrary.

World Bank Publication on Agriculture Water Productivity and Efficiency

With growing water scarcity in many parts of the world and projections that indicate the need to increase agricultural production and, concurrently, agricultural water use, it is increasingly advocated to focus efforts on improving agricultural water productivity and efficiency—and thus achieve more crop per drop. Many international organisations concerned with water management are also promoting these efforts, and significant public and private investments are being made in both developed and developing countries. Yet some serious problems are associated with this approach. They include conceptual issues, the methods used for measuring agricultural water productivity and efficiency, and the application of these concepts and methods in different contexts—all of which influence the choice of interventions and

the evaluation of their implementation.

The publication “Beyond Crop per Drop: Assessing Agricultural Water Productivity and Efficiency in a Maturing Water Economy” authored by Scheierling, Susanne M. and Tréguer, David O., aims to shed further light on these issues: first, by clarifying some of the underlying concepts in the discussion of agricultural water productivity and efficiency; second, by reviewing and analysing the available methods for assessing water productivity and efficiency, including single-factor productivity measures, total factor productivity indices, frontier methods, and deductive methods; and, third, by discussing their application and relevance in different contexts. As a background for this analysis, the report highlights the central role of water use

in irrigated agriculture and its link with increasing water scarcity. An underlying framework of the analysis is the view of the water economy transitioning from an expansionary to a mature phase. The report further develops this framework to reflect water management issues in irrigated agriculture.

The publication is also relevant to the core objectives of the WASAG Working Group on Sustainable Agriculture Water Use in which ICID is also a member and could make potential contribution to the debate and the collective wisdom on sustainable agriculture water use. The publication is now available as an open source and can be downloaded from <https://openknowledge.worldbank.org/handle/10986/29922>

News Buzz: ICID National Committees

JNCID (Japan)

The PAWEES-INWEPF International Conference 2018 was held from 20-22 November 2018 in Nara city, Nara prefecture, Japan. The conference was jointly organised by the International Society of Paddy and Water Environment Engineering (PAWEES) and the



International Network for Water and Ecosystem in Paddy Fields (INWEPF) in collaboration with the ICID Asian Regional Working Group (ASRWG).

During the conference, the Japanese National Committee of ICID (JNCID) in close cooperation with ASRWG organised the ICID-PAWEES-INWEPF collaborative

workshop to strengthen the partnership between PAWEES and INWEPF and to further contribute to the development of sustainable agriculture in Asia. The workshop provided a great opportunity for stimulating discussions as well as promoted better communication and partnership among ICID, PAWEES and INWEPF.

Prof. Tsugihiko Watanabe (Chair-WG-CLIMATE) steered a session wherein the participants discussed about irrigation and drainage in Asia to achieve the SDGs. In his opening remarks, Dr. Yohei Sato (Chair-JNCID) stressed on the significance of strengthening the collaboration among the three organisations. During the presentation session, Dr. Maher Salman (Senior Land and Water Officer, FAO), Dr. Karim Shiati (Chair-ASRWG) and Mr. Naoki Hayashida (Vice President, ICID) shared their views and experiences in the context of SDGs including role of water in agricultural development, challenges in irrigated agriculture in Asia, innovative/advanced irrigation and drainage technology including other ASRWG activities.

Following the presentation, a panel discussion was held comprising of five panelists. The discussion piqued interest among the participants ranging from innovations to solve issues such as reduction of farming population, increase of paddy productivity, promotion of crop diversity and high profit crops in Asia.

Besides the workshop, Prof. Nobumasa Hachio (Vice Chair-WG-ENV) chaired the INWEPF Steering Meeting and policy and technical sessions. Later a presentation ceremony for the four ICID World Heritage Irrigation Structures (WHIS) presented to Japan in 2018 was held during the Nara conference. The Kurokawa-Shirakawa Land Improve District introduced the Shirakawa Basin Irrigation System, one of the four registered WHIS, outlining its history, technical features and socio-economic aspects of the irrigation system.

PNC-ICID (Philippines)

The Philippine National Committee of ICID (PNC-ICID) has notified a change in their email address. All NCs are requested to direct/course their ICID related communications to the new email ID--pncicid@gmail.com. The email address is handled by the Technical Support Group of PNC-ICID that has replaced Ms. Pilipina Bermudez and will be responsible in the management and streaming of ICID communications to relevant authorities. Below is the composition of the group:

Chairman: Concepcion C. Cablayan

Members: Isidora M. Camaya
Portia S. Angulo
Pops Marie S. Dadea
Juris U. Huerta
Christian June C. Maquiling
Roald Mark J. Revellame

Events Corner

ICID Events

3rd World Irrigation Forum (WIF3) & 70th IEC Meeting on the theme 'Development for water, food and nutrition security in a competitive environment', 1-7 September 2019, Bali, Indonesia. For more info contact: Ir. Adang Saf Ahmad, CES, President, INACID; Email: inacid.indonesia@gmail.com; adangsaifa@yahoo.com; Website: <https://icid2019.com/>

5th African Regional Conference on Irrigation and Drainage (ARCID), 16-19 March 2020, Marrakech, Morocco on the theme: Sustainable Management of Irrigation for Improved Resilience of Agriculture in Africa. E-mail: bartali.h@gmail.com, anafide.ma@gmail.com; Website: <http://5arcid.ma/>

24th ICID International Congress & 71st IEC Meeting, 22-24 September 2020, Sydney, Australia. For more info contact: Mr. Bryan Ward, Chief Executive Officer, Irrigation's

Australia Limited (IAL) (Incorporating IACID); Email: Bryan.ward@irrigation.org.au; info@irrigation.org.au; Website: <http://www.icid2020.com.au>

Other Events

4th Water Sensitive Cities Conference 2019: Delivering the transition to water sensitive cities: approaches, activities and achievements, 26-28 March 2019, Brisbane. For more details, please visit: <https://watersensitivecities.org.au/content/wsc-conference-2019/>

Water for Food Global Conference 2019 by Daugherty Water for Food Global Institute (DWFI), 29-30 April 2019, in Lincoln, Nebraska, USA on the theme: Water for a Hungry World: Innovation in Water and Food Security. For more details, please visit: <https://waterforfood.nebraska.edu/news-and-events>.

River Basin Management 2019: 10th International Conference on River Basin Management Including all Aspects of Hydrology, Ecology, Environmental

Management, Flood Plains and Wetlands, 8 – 10 May 2019, Alicante, Spain. For more details, please visit: <https://www.wessex.ac.uk/conferences/2019/river-basin-management-2019>

2019 Floodplain Management Australia National Conference: A National Call to Action: Making Australia Flood Safe, 14-17 May 2019, Canberra, Australia. For more details, please visit: <https://floodplainconference.com/>

ISMAR 10: International Symposium on Managed Aquifer Recharge, 20-24 May 2019, Madrid, Spain. For more details, please visit: <http://ismar10.net>; Email - info@ismar10.net

MinWat 2020: 3rd International Multidisciplinary Conference on Mineral Waters: Genesis, Exploitation, Protection, and Valorisation, 31 March-3 April 2020, Caserta, Italy. For more details, please visit: <http://www.iahitaly.it/>; Email: segratario@iahitaly.it

