

**From Secretary General's Desk...**

Dear Colleagues,

66th IEC meeting in Montpellier is slated to steer the direction of ICID community for the next 15 years through new but familiar waters, continuing its focus on agricultural water management. ICID is likely to give itself a Vision for 2030 and will mainstream its activities towards sustainable development course. Sustainable Development Goals being set out by the global community will be adopted by the world leaders within a month's time in September 2015 in New York during the UN General Assembly.



During the last couple of years a number of technical working groups have developed their well-defined result oriented scope of activities duly aligning them to Sustainable Development Goals (SDG) being developed. Most of these new WGs will start functioning during 66th IEC from 11-16 October 2015 in Montpellier.

With the excitement in the air, I am sure you cannot afford to miss this eventful IEC session and the 26th European Regional Conference. The last date for availing Early-Bird concession liberally runs to 31st August 2015. It is an opportunity for you to join these deliberations in Montpellier and contribute your bit to the ICID Vision for 2030 and at the same time shape the outcomes of the new WGs. As many of the working groups are in various stages of re-orienting themselves, this issue provides a comprehensive view of the status and the schedule of their meetings in Montpellier. Through this issue I would like to appeal to the experts from NCs to join these WGs.

The Plenary Session of Executive Council, heralding beginning of the deliberations will start at 5.30 PM on 12th October. President will set the scene for the five day long program. The information shared during the session will help

you plan your participation in various sessions, meetings and events.

In our continuous effort to engage with all the stakeholders in the Agriculture Water Management field, we are now in the process of developing a directory of Products and Services relevant to various stakeholders of AWM. Companies/Manufacturers, Consultancy Services, Institutions providing services and Non-governmental organizations supporting agriculture water management can make use of this opportunity to list their products and services. The listing is completely free and is likely to bring the stakeholders together on one platform to display their potential as likely partners in development. Please make use of this facility for yourself and spread the message to the service providers in your circles. Please read the article inside this issue.

Like in the past, ICID is supporting 12 young professionals to join the deliberations during IEC meetings and the 26th European Regional Conference. In addition to the activities of WGs and Conference sessions, they will attend two Training Workshops exclusively organized for them. The senior members of ICID are encouraged to take the opportunity to mentor them and connect with the future of ICID.

The Annual Report for the Financial Year 2014-15 is now available on ICID web site and hard printed copies will be dispatched to all the NCs by the end of this month. Please go through the report as it will give you a complete picture of the activities undertaken not only by the Central Office but also by the National Committees.

We are keenly looking forward to your inputs and suggestions to serve you better.

Best Regards,

Avinash C. Tyagi
Secretary General

Wetlands for Food Security: Solution or Illusion?

This year, the 'World Water Week' hosted and organized by the Stockholm International Water Institute (SIWI) will be held from 23-28 August 2015 at Stockholm, Sweden. The theme of the 'World Water Week 2015' is "Water for Development".

During the Stockholm Water Week, a Special Session on 'Wetlands for Food Security: Solution or Illusion?' will be held on 23 August 2015. The event will be jointly organized by the International Union for Conservation of Nature (IUCN), International Water Management Institute (IWMI), Nile Basin Capacity Building Network (NBCBN), Secretariat of the Ramsar Convention on Wetlands, and UNESCO-IHE Institute for Water Education.

The aim of the event is to build bridges between often disconnected communities promoting livelihoods in wetlands, ecosystem protection and economic development. The event is focused on policymakers, government agencies, NGOs, private sectors, development agencies and researchers, covered with: (a) sustainable intensification of agriculture and food security; (b) agricultural and associated investment; (c) rural development and rural livelihoods; (d) environmental protection and biodiversity; (e) water resource management and green infrastructure; and (f) wetland and landscape management.

For more information please access the link http://wetlandsforum.net/wp-content/uploads/2015/04/201505_Wetlandsforum_SWWW_Flyer-web.pdf or Contact: Prof. Kenneth Irvine, WWF Chair of Aquatic Ecosystems, UNESCO-IHE, Westvest 7, 2611 AX Delft, The Netherlands, Email: k.irvine@unesco-ihe.org, Website: <http://wetlandsforum.net/>.

NEW WORKBODIES OF ICID

At Gwangju meeting in 2014, the Council approved the establishment of the working groups under the Thematic Area “Scheme” viz. Modernization and Revitalization of Irrigation Schemes, and Institutional Aspects of Irrigation/ Drainage System Management. Another two WGs under the Thematic Area Schemes are in the process of finalization of their scoping documents.

Some of the working groups are completing their mandate in 2015 and intend to continue their activities with a revised mandate. Chairs of these WGs have prepared the Scoping Document for discussion at Montpellier meetings and submission to the Council for approval. A consolidated glimpse of the newly established/ proposed working groups is given as below:

First Meeting of the Newly Established WGs at Montpellier in October 2015

14 October 2015, 14.00-15.30 hours
Working Group on Modernization and Revitalisation of Irrigation Schemes (WG-M&R)

Strategy Theme: Schemes
Year of establishment: 2015
Completion of mandate: 2021

Scope: Planning and preparation for modernization and revitalization of irrigation schemes; Interaction between modernization, revitalization and required operation and maintenance; Cost sharing for modernization, revitalization and required operation and maintenance; Institutional and organizational framework required for modernization, revitalization and operation and maintenance; Methods and techniques of lining of conveyance and distribution canals; Canal control systems with respect to their automation, using internet, mobile communication and remote monitoring in canal operation; Modification to improve communication, operational capacities and

flexibility in operation and maintenance of systems; Standardization and codes of practice in irrigation systems.

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14 October 2015, 09.00-10.30 hours
Working Group on Institutional Aspects of Irrigation / Drainage System Management (WG-IOA)

Strategy Theme: Schemes
Year of establishment: 2015
Completion of mandate: 2021

Scope: (1) Legal Framework and Organizational Structures of Water User Association for Water Supply Services including- (a) institutional and organisational requirements for sustainable operation and maintenance of irrigation/drainage systems, (b) improvement of organisational arrangements for management, operation and maintenance of irrigation/drainage systems, (c) financing of operation

and maintenance of irrigation/drainage schemes, (d) approaches and requirements for water regulatory authorities, land property questions, water rights, and (e) roles, responsibilities and requirements for sustainable Water Users Associations (WUA); (2) Participatory Irrigation Management and Irrigation Management Transfer covering (a) approaches and conditions for successful Participatory Irrigation/Drainage Management (PIDM), and (b) approaches and conditions for successful irrigation/ drainage management transfers (IDMT), including legislation and institutional requirements for transfer of responsibilities and/or ownership of irrigation and drainage systems to water users associations; and (3) Public Private Partnership, and Mechanism for Cost Recovery covering (a) possibilities of and requirements for successful Public Private Partnerships (PPP) in irrigation/drainage, and (b) methods and mechanisms for charging of irrigation/drainage services and determination of level of cost recovery.

Informal Meeting of the Newly Proposed WGs

13 October 2015, 09.00-10.30 hours
Working Group on Irrigation Development and Management (WG-IDM)

Strategy Theme: Schemes

Scope: Water resource governance; integrated water resource management; water balance approach in irrigation (and other ancillary uses); assessment of evaporation and evapotranspiration; groundwater management; conjunctive use of surface and groundwater in irrigation; artificial recharge of aquifers; management of multi-use hydraulic systems; performance evaluation of irrigation schemes; and re-use of treated waste water.

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Strategy Theme: Schemes

Scope: Water accounting and irrigation auditing (and other ancillary uses); irrigation water measuring devices; assessment of water loss in various components of irrigation systems; various methods and techniques used for water saving in irrigation; policies and strategies for irrigation water saving; charging for Irrigation Services; success stories and best management practices in water saving; tools and processes applied in irrigation water saving; outreach of water saving technologies; and WatSave Awards.

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and the capacity development activities by various WGs; Compile the status of training and educational programmes offered in different regions; Compile the Educational Programs being offered in Irrigation and Drainage in different regions; Identify the training and education requirements, and identify gaps in available training programs, explore the feasibility of developing e-learning program and prepare guidelines for their development to support education and training programmes; Explore the scope of use of IT in capacity development including distant learning, and implement where feasible; Make available various tools required for sustainable development; Oversee the establishment and functioning of a Technical Support Unit for supporting NCs; and Facilitate the process of balancing education and training requirements, and provision and training services.

13 October 2015, 14.00-15.30 hours
Working Group on Water Saving in Irrigated Areas (WG-WATS)

Working Group on Capacity Development, Training and Education (WG-CDTE)

Strategy Theme: Knowledge

Scope: Coordinate and guide the knowledge management activities of the Commission

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14 October 2015: 14.00-15.30 hours
Working Group on Environment (WG-ENV)
Strategy Theme: Basin
New WG: Working Group on Environment (WG-ENV)

Scope: The positive amenities, services, goods, etc. provided by irrigation and drainage systems; the existing concepts, tools, approaches to characterize multiple uses, ecosystem services, and the multi-functionality related to irrigation systems, their valuation and quantification; also, the use of such concepts in policy making, and in agricultural and rural development planning ought to be addressed; The negative environmental impacts of irrigation and drainage systems, the existing frameworks available to quantify such impacts, the final consequences of resource use and pollutions to air, soil and water compartments in terms of human health, ecosystems' health, and resource conservation; also, the use of such concepts in policy making (including the need for trade-offs, prioritization, and key choices), and in agricultural and rural development planning ought to be addressed; The social and economic impacts of irrigation and drainage systems, the existing frameworks and approaches available to quantify such impacts; The management of irrigation and drainage 'territories', as waterscapes where many economic and social agents co-exist and interact, where private interests collide and interact with common-pool resources, collective action features, public action and policy making; at this level, collective action and trade-offs are required for sustainable development and policy making; also, the institutions necessary to minimize negative impacts, and to maximize positive ones are to be set up at that level and thus require WG-ENV attention.

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14 October 2015: 14.00-15.30 hours
Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE)
Strategy Theme: Basin

New WG: Working Group on Climate Change and Agricultural Water Management (WG-CLIMATE)

Scope: The progression of and predictions for climate change and climate variability; the medium-term adaptation strategies of climate change and climate variability for irrigation, drainage, and flood control; reservoir operation policies to develop adaptation strategies to reduce impacts of climate change; the water environment issues relating to climate change within the scope of agricultural water management activities within ICID; the international dialogue on climate change and agricultural water environment between regions and countries

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13 October 2015: 16.00-17.30 hours
Working Group On On-Farm Irrigation Systems (WG-ON-FARM)
Strategy theme: ON-FARM

New WG: Working Group on Sustainable On-Farm Irrigation Systems Development (WG-SON-FARM)

Scope: Identifying, planning and formulating approaches, methodologies, technologies and field practices for sustainable development and management of on-farm irrigation systems; Balancing the trade-offs between socio-economic benefits and maintaining sustainable environments; Interaction between adoption of top-end on-farm irrigation technologies and the resulting required operation and

maintenance as well as institutional arrangements; Guidelines for design of on-farm irrigation structures and automation of field water distribution networks; Use of Information and Communications Technology (ICT) viz. mobile, internet, GIS and remote sensing, for efficient on-farm water management.

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14 October 2015: 14.00-15.30 hours
Working Group On Water For Bio-Energy And Food (WG- BIO-ENERGY)
Strategy Theme: Basin

New WG: Working Group on Water for Bio-Fuel and Food (WG-BIO-FUEL)

Scope: The assessment, monitoring and predictions of impacts of biofuel production and usage policies on agriculture water management; the appropriate national policies for biofuel effecting agriculture water management in different countries; the strategies which agriculture and irrigation authorities can adopt to support biofuel promotion policies of their government, and the international dialogue on biofuel and agricultural water management between regions and countries.

All National Committees are cordially invited to nominate a suitable experts/ professionals within their country and are able to contribute to the scope of the activities of the newly proposed/ established working groups depending upon their expertise in the field. Proposed nominees/ experts by the NCs may kindly make it to attend the Montpellier meetings in October 2015 as per the given schedule.

Irrigation Dictionary

The Multilingual Technical Dictionary (MTD) consists of technical terms related to irrigation, drainage, flood management, environment, river training and allied disciplines. It is a flagship publication of ICID widely consulted by irrigation community. The first volume was published in English and French languages in 1967.

Subsequently, the 5th edition was released on CD-ROM in 2010 with terms in three additional languages i.e. Chinese, Japanese and Russian, as made available by their respective national committees.

VP Er. A. B. Pandya stressed the need for a web version of the MTD in his presentation

on thematic area "Knowledge" during the 65th IEC meeting held at Gwangju, September 2014. An initial online version in English-French is now made available on the ICID website <http://www.icid.org/members_only/icidmtd> with a format to accommodate the corresponding terms in other languages.

To enrich the MTD with more languages, National Committees of China, Korea, Egypt, Indonesia, India, Japan, and Russia who are known to have Irrigation and Drainage dictionary in national language were requested to provide the corresponding terms in their national language in bringing out a multilingual online version with full terms as given in the 5th edition, base languages (English-French).



All members with 'Members only' login can access the 'Table of Contents' to see all terms together as per the chapter classification.

Other National Committees who have already developed local language dictionaries of Irrigation and Drainage terms, may like to use the platform for wider outreach.

Updates: 26th European Regional Conference, 2015

The French National Committee on Irrigation and Drainage (AFEID) will host the 26th European Regional Conference (ERC) along with the 66th International Executive Council (IEC) meetings at Montpellier, France, from **11-16 October 2015**. The main theme of the Conference is **“Innovate to**

improve irrigation performance” and three sub-themes (a) Innovations for smallholders in irrigation; (b) Wastewater use in agriculture and (c) Governance of surface water and groundwater.

Early Bird Online Registration Hurry! Save Money!! Register now!!!

The ‘Early Bird’ online registration has been opened for the 26th European Regional Conference (ERC) and 66th International Executive Council (IEC) and its pre-council meetings till **31st August 2015**.

‘Early Bird’ registration fees (**on or before 31st August 2015**) for the participants are – (i) Euro 700 for Conference only i.e. 12th to 15th Oct.2015 and Euro 800 for Conference + IEC meetings and Euro 300 for Accompanying Person i.e. 12th to 16 October 2015; (iii) Euro 200 for Student Fee and One-day registration of the Conference; (iv) Euro 350 for Retired professionals and Euro 400 for young professionals (under 40 years old) ICID members benefit of 50% reduction. To benefit the early bird online registration, please register at <http://icid2015.sciencesconf.org/resource/page/id/35>

The Opening Ceremony

The Opening Ceremony will be started at 09.00 hours on 12 October 2015 and will be followed by inauguration

of the 26th ERC and 66th IEC. ICID President and Secretary General; AFEID President and other Office Bearers of ICID will be present at the inauguration of the Conference. The ceremony will be enriched by the presence of several ministers from elsewhere in the world.

Plenary IEC

Don't miss the Plenary Session of the 66th IEC meeting starting 17.30 hours on 12 October 2015 where President will welcome you and Secretary General will introduce the agenda and bring you up-to-date on various programmatic issues. South African National Committee of ICID (SANCID) will make their NC presentation and share the challenges they are facing in sustainable development of rural agriculture.

Side Events/International Workshops

International Workshops of WG-CAFM, WG-ENV, WG-CROP, WG-SDG, WG-HIST and other side events/international workshops will be held during the 26th ERC and 66th IEC meetings. Detailed

information about the workshops is available at <http://icid2015.sciencesconf.org/?lang=en>

YP – Training Workshops

Twelve Young Professionals from around the world have been awarded ICID scholarships and to make their repertoire rich, two workshops will be organized. The first Training Workshop will be held during 09:00-12:30 hours on 15 October 2015 on ‘Coupling innovative methods for participatory water management’ organized by Nils Ferrand, (IRSTEA). The second workshop will be held during 14:00-17:30 hours also on 15 October 2015 on ‘Integrated Flood Management: from theory to practice’ by Dr. Paul Pion and Dr. G. Teruggi (WMO).

Programme

Please download the detailed programme of the 26th ERC and 66th IEC which is available at http://icid2015.sciencesconf.org/conference/icid2015/Programm_day_by_day_at_a_glance_1405_22At_a_glance_22_ENG.pdf and keep track of the Updates.

ICID Annual Report 2014-15

ICID Annual Report for the year 2014-2015 is now available online <http://www.icid.org/ar_2014.pdf>.

This report presents a summary of our activities and achievements for the period starting from 1 April 2014 to 31 March 2015 which covers report on:- National Committees, Direct Members, Working Groups, Regional Level, Key ICID Events, which includes the 12th International Drainage Workshop, 22nd Congress on Irrigation and Drainage, Working Together with Partners, Rewarding Excellence, Dissemination and Communication, Financial Management and Facts & Figures (World Irrigated Area, Sprinkler and Miro-Irrigated and World Drainage Area). The printed version of the report will be dispatched shortly to all the National Committees, Direct Members, Office-Bearers, and partner International Organizations.



Waterlogging and Soil Salinity in Irrigated Agriculture

A two-day Workshop on “Waterlogging and Soil Salinity in Irrigated Agriculture” will be held from 3-4 September 2015 at Chandigarh, India. The workshop is jointly organized by Central Water Commission (CWC), Central Board of Irrigation and Power (CBIP) and Indian Council for Agricultural Research (ICAR), Co-organized by International Commission on Irrigation and Drainage (ICID) and sponsored by Jain Irrigation Systems Limited (JISL).

The workshop will explore new drainage and biological technologies and interventions for reclamation and management of waterlogged saline areas within a broad economic and environmental framework; revisit the concept and practices of conjunctive use

of surface and groundwater; and address environmental aspects relating to regional management of saline drainage water.

Five Technical Sessions of the workshop are covered: (1) Emerging technologies for characterization and classification of salt affected soils; (2) Innovations in reclamation and management of waterlogged saline soils: Surface, subsurface, tube well and bio-drainage systems and related trade-offs; (3) Bio-saline agriculture, salt tolerant crop and tree varieties, saline fisheries/aquaculture; (4) Reuse and management of saline water; micro-irrigation systems; and (5) Institutional mechanism and organizational framework.

Please access [http://www.cbip.org/upload/Irrigation%20System%20Chandigarh%20\(2\).pdf](http://www.cbip.org/upload/Irrigation%20System%20Chandigarh%20(2).pdf) for more information.



Products & Services Directory

Don't miss this opportunity to list your products / services free of cost

Information dissemination plays a critical role in the field of irrigation, drainage and flood management. For sharing this knowledge across a wide spectrum of users, ICID has recently stepped up efforts for improved 'knowledge management' by making use of the advances in the information technology.

As part of the knowledge and information dissemination, ICID has launched a new web service on ICID website in the name of "Irrigation & Drainage - Products & Services" <<http://www.icid.org/ypsearch.php>> to help various stakeholders in locating required services, products and business information through a few clicks. This online directory provides a platform to enlist all the services and products being provided by consultants, manufacturing companies, dealers, and other professional institutions dealing in irrigation and drainage sector.

This online directory service is totally FREE, and can be availed of by any service provider by submitting the required information online <<http://www.icid.org/ypaddform2.php>> on ICID website. At present, the information is listed/

collected in the following categories and sub-categories:

A. Consultancy Services

1. Individuals/ Experts/ Freelancer;
2. Organizations;

B. Companies / Manufacturers / Dealers

1. Company/ Implementing Agency;
2. Dealer/ Distributor / Contractor;
3. Manufacturer;
4. Publisher;
5. Software developers/ vendors;

C. Institutions

1. Academic Institutions;
2. Farmer's Associations;
3. Funding Agencies;
4. Non-Governmental Organizations (NGO)/ Not for Profit Organizations;
5. Research Institutions;
6. Training Institutions;

D. Others

National Committees are requested to spread this information in their respective countries and encourage companies/institutions/experts to join the new online service to enhance their visibility to the irrigation, drainage and flood management community.

SEARCH SCREEN

<http://www.icid.org/ypsearch.php>



ADD PROFILE SCREEN

<http://www.icid.org/ypaddform2.php>



agencies, environmental journalists, consultations and activists wishing to take their knowledge of climate change further. For more information, please access <https://www.uea.ac.uk/international-development/dev-co/professional-training/water-security-for-policy-makers-short-course>.

e-Learning Course on 'Water Footprint Assessment: Concept and Application'

The Water Footprint Assessment: Concept and Application e-Learning course is a self-taught online foundation course facilitated by experts from the Water Footprint Network and the University of Twente. This online course is one of the most effective tools for understanding the fundamentals of Water Footprint Assessment and how it can be used by consumers, business, policy makers, government representatives and nongovernmental institutions. This three week course developed with the support from the World Bank Institute and the University will be offered from 21 September to 9 October 2015. The course aims to provide participants with an introduction to the concept and application, with five modules – (i) Water Footprint Concept and Application; (ii) Global Water Management; (iii) Government Policy; (iv) Corporate Strategy; and (v) Calculating the Water Footprint. The course involves both self-paced learning and online discussion facilitated by experts.

Interested participants are requested to Visit http://waterfootprint.org/en/about-us/events/e-learning_sept_2015/ for more information.

Precision Agriculture

The Sixth Asian Conference on the theme 'Precision Agriculture' will be held from 16-20 November 2015 at South China Agricultural University, Guangzhou, China. The sub-topics of the conference includes: (a) Agricultural information acquisition and processing technology; (b) Intelligent agricultural equipment and automatic work machine; and (c) Key technologies of precision agriculture aviation.

The aim of the conference is to provide a forum for presentations and discussions on the current state of precision agriculture research and applications in Asian region. It also offers a great opportunity for researchers

Take advantage on Irrigation and Drainage Online

The ICID Journal Irrigation and Drainage is available online FREE via Wiley Online library for all ICID Office-Bearers, Work body Chairs, Members and National Committees.

Now available on the website is Volume 64.3 (Pages 299-441), released in the month of July 2015. Click on <http://onlinelibrary.wiley.com/doi/10.1002/ird.v64.3/issuetoc> for direct access to the page with the articles in this issue of Irrigation and Drainage.

ICID members can now avail a special 35% discount on all the Wiley

printed publications under the Society Discount Programme introduced recently. Members are encouraged to take advantage of this special discount.

Short Course on Water Security

The University of East Anglia (UEA) will be organizing a Short Course on 'Water Security for Policy Makers and Practitioners' during 7-11 September 2015 at Norwich, UK. The course is designed for entry and mid-level water and development policy-makers and professionals in government, donor agencies, NGOs or implementation

and experts from Asia and other parts of the world to exchange ideas and experience in precision agriculture theory development, Precision Agriculture technology innovation and possible extended adoption, and to discuss obstacles and challenges in Precision Agriculture.

For more information, contact: Ir. Zhiyan Zhou at E-mail: scauzyzhou@gmail.com; acpa2015@163.com, conference website: www.acpa2015.org

Applying Integrated Water Resource Management Tools for Drought Risk

A five-day Regional training course on 'Applying Integrated Water Resource Management Tools for Drought Risk' was held from 15-19 June 2015 at Panorama Hotel, Addis Ababa, Ethiopia and organized by Global Water Partnership Eastern Africa (GWPEA), Capacity Building Network for IWRM (Cap-Net) through Nile IWRM-Net, and the Water and Land Resource Center (WLRC). The aim of the training course was to strengthen the capacity of water and climate professionals in the Horn of Africa (HOA) region on drought disaster risk management, IWRM approach and the need for timely responses to forecasted climate-related risks.

The training was opened by H.E Kebede Gerba, the Ethiopian State Minister for Water, Energy and Irrigation. During his address, he emphasized on issues like water resources in the region facing pressure due to the increasing human population and poverty as well as climate change.

More than 30 participants in the field of water, agriculture, climate change, and disaster management were attended. The training also provided an opportunity for more interactive exchange of ideas and experiences among the participants. A key recommendation from this assessment indicated strengthening of capacity of key institutions in drought management in the Horn of Africa Region.

For more information, please visit <http://www.cap-net.org/2015/07/01/regional-training-on-applying-integrated-water-resource-management-tools-for-drought-risk-management-15-to-19-june-2015/>



4th European Water Conference, 2015

The 4th European Water Conference was held from 23-24 March 2015 at Brussels, Belgium and organized by the European Commission's Environment Directorate-General after the World Water Day 2015. The conference provided the opportunity for representatives from Member States, Stakeholders and the European Commission on the Implementation of the Water Framework and Floods Directives to debate key topics: (i) Experiences from the first cycle of implementation of the WFD, achievements and lessons learned; (ii) The European Commission's assessment of the implementation of the WFD programmes of measures; (iii) Preparations and expectations for the second River Basin Management Plans; (iv) Experiences so far in the implementation of the Floods Directive, including the preparation of the Flood Hazard and Risk Maps and the Flood Risk Management Plans; (v) Integration issues: links between water policy and agriculture, energy, and navigation policies; (vi) Opportunities to support water policy under the new financing period 2014-2020 (Rural Development Programmes, Operational Programmes, etc.); and (vii) The role of water policy in the context of Green and Blue Growth.

The conference was attended by 458 participants, 320 representatives from various organizations. A total 19 presentations, and 5 panel discussions were held and discussed, in detail.

For more information, please access <http://ec.europa.eu/environment/water/2015conference/pdf/report.pdf>.

Prospects for Solar-Powered Irrigation Systems in Developing Countries

A three-day International Workshop on "Prospects for solar-powered irrigation systems in developing countries" was organized by the Food and Agriculture Organization of the United Nations (FAO) in partnership with the German Agency for International Cooperation (GIZ) from 27 to 29 May 2015 at Rome, Italy. ICID Vice President Hon. Felix B. Reinders (South Africa) participated in the workshop.

The workshop was attended by nearly 60 participants, which includes, representatives from various institutions / organizations, like water, energy, agriculture etc., from across the globe. During the workshop, a large number of country representation covered - India, Egypt, South Africa, Kenya, Burkina Faso, Ethiopia, Ghana, Lebanon, Yemen, China, Turkey, Germany, The Netherlands, Austria, Sweden, Italy, The United Arab Emirates, Thailand, Chile, Mexico and USA.

The objective of the workshop was to take stock of the experiences and existing tools and practices for the use of solar power for irrigation and to identify the key challenges and constraints for the development of this technology in developing countries. The workshop brought together a large number of authorities, experts, and researchers associated with Solar Powered Irrigation Systems (SPIS) or who have had direct experiences on it in different countries and regions.



The outputs of the workshop are: (a) A stock take of experiences and existing tools, (b) An assessment of the potential, constraints and challenges of solar powered water technologies in agriculture in developing countries, (c) A set of recommendations on how to expand the use of solar powered water technologies, (d) A network of experts/institutions to develop, share, adapt and build capacity on affordable and sustainable water technologies in agriculture, and (e) A document containing the conclusions and recommendations of the workshop.

A total 19 presentations (http://www.fao.org/nr/water/news/solar_power.html) were made during the workshop. Vice President Hon. Felix B. Reinders (South Africa) made a presentation on "Environmental Performance of Solar Photovoltaic Technologies" (http://www.fao.org/nr/water/docs/SPIS/8_Reinders.pdf). Report of the workshop is available at http://www.fao.org/nr/water/docs/FAO_GIZ_SOLAR_FINALREPORT.pdf





The World Water Monitoring Day is celebrated worldwide on 18 September every year. The event, which is jointly organized by the Water Environment Federation, International Water Association and coordinated by World Water Monitoring Challenge (WWMC), internationally. Its aim is to bring public awareness and involvement in protecting water resources around the world by empowering citizens to carry out basic monitoring of their local water bodies. It encourages people everywhere to test the quality of their waterways, to test the quality of their waterways, share their findings, and protect our most precious resource. For more information, please visit: www.worldwatermonitoringday.org

News from ICID National Committees

ABID (Brazil)

The Brazilian National Committee of ICID (ABID) will be organizing its XXV National Congress on Irrigation and Drainage (CONIRD) from 8-13 November 2015 at the premises of the Federal University of Sergipe, in Aracaju – SE, Brazil. The main theme of the Congress is "Irrigated Agriculture in Semi-arid Brazil".

Please contact: Ing. Helvecio Mattana Saturnino, President, ABID (E-mail: abid.agriculturairrigada@gmail.com; abid.conird@gmail.com) and Website: www.abid.org.br

CANCID (Canada)

Dr. Abdel-Zaher Kamal Abdel-Razek (Canada) has taken over as the new President of the Canadian National Committee of ICID (CANCID). The contact coordinates are:

Dr. Abdel-Zaher Kamal Abdel-Razek
President, Canadian National Committee, ICID (CANCID),
Science Manager, Agricultural Water Management, 901 McKenzie Street South, P.O. Box 700 Outlook, Saskatchewan S0L 2N0, Canada, Tel.: (709) 729-4795, E-mail: cwra2011nl@gmail.com

ICID fraternity extends its warm welcome to Dr. Abdel-Zaher Kamal Abdel-Razek and expresses its thanks to President Hon. Dr. Chandra A. Madramootoo, former President of CANCID for his valuable contributions to ICID.

New website of CANCID

The Canadian National Committee of ICID (CANCID) has created its new website <<http://www.cwra.org/en/affiliates/cancid>>. CANCID is a permanent committee member of the Canadian Water Resources Association (CWRA). The main highlights of the website are: mission, vision and objectives, history, membership, forthcoming events & news and interesting links etc.

INCSW (India)

New Member Secretary

Mr. R.K. Pachauri (India), Chief Engineering (EMO), has taken over as the Member-Secretary of Indian National Committee on Surface Water (INCSW). The contact coordinates are:

Mr. Pachauri, Chief Engineer (EMO) and Member Secretary, Indian National Committee on Surface Water (INCSW), Room No. 613 (South), Sewa Bhawan, Central Water Commission (Hq), R.K. Puram, New Delhi-110066 - 110 066, Tel: + 91-11-26106849, Email: incid-cwc@nic.in, ceenvtmgmt@nic.in

ICID fraternity extends its warm welcome to Mr. R.K. Pachauri and expresses its thanks to Mr. Mr. Yogesh Paithankar, former Member-Secretary of INCSW for his valuable contributions to ICID.

MANCID (Malaysia)

The Malaysian National Committee on Irrigation and Drainage (MANCID) will organize its 20th Annual Conference from 4-6 October 2015, Malaysia. The main theme of the Conference is 'Water Management in a Changing World: Role of Irrigation for Sustainable Food Production' and three sub-themes are:

- (1) Key actors in balancing water, food, energy and ecology; (
- (2) Management of climatic extremes with focus on flood and droughts; and
- (3) Key and smart actions to alleviate hunger and poverty.

Please visit to MANCID website <http://www.mancid.org.my/> for more information about the conference.

SUCID (Sudan)

Hearty welcome to Sudan!

ICID takes great pleasure in welcoming Sudanese National Committee of ICID (SUCID) back into ICID's network of member countries. We convey our warmest felicitations and hearty congratulations to members of the SUCID for their faith in ICID and willingness to contribute to the international community. ICID appreciates the hard efforts of Dr. Ahmed Mohamed Adam, Chairman of SUCID, who was instrumental in reactivating the SUCID. The contact coordinates of Sudanese National Committee of ICID are:

Dr. Ahmed Mohamed Adam
Chairman, Sudanese National Committee, ICID (SNCID), Ministry of Water Resources and Electricity, Nile Avenue, Khartoum, Sudan, E-mail: ahmoadam293@gmail.com

USCID (USA)

The U.S. National Committee on Irrigation and Drainage (USCID) organized its Eighth International Conference on Irrigation and Drainage titled 'Sustainable Basin Water Demand Management - Challenges of Supply and Demand Management at the Basin Scale' from 2-5 June 2015 at Reno, Nevada, USA. The Conference brought together professionals and experts from water sector, agricultural producers, irrigation and drainage specialists, consultants and academics considered governance, policy, management, financing and technical issues related to regional, sustainable, water management. Co-chairs of a planning committee, and 18 USCID members were present during the conference.

During the conference, presentations on sustainable basin water management for surface and groundwater supplies from several regional perspectives, including the states of Arizona, California, Colorado, Idaho, Nevada and Oregon were highlighted. Participants represented 10 States, including Canada, Japan and Korea.

The Conference included a half-day field trip to the Desert Research Institute which provided an overview of their research program and tours of their plant water use and climate research.

In the Plenary Session the Nevada water allocations and effects of the recent drought were highlighted; an overview of California's drought impacts, including

a briefing of the new groundwater law; the implementation of California's Groundwater Sustainability Act; and a wealth of information on climate measurement and timely update on the drought conditions in the Western United States were also introduced by the concerned.

A panel discussion on Groundwater Management, provided excellent summaries of state and regional groundwater management issues, and discussed on the pros and cons of different state and agency management approaches during the conference.

Technical sessions, including the informative presentations on Groundwater Management, Basin Water Management, Sustainable Management of Groundwater and Surface Water, Competing Uses of Water and Water Transfers, and Technologies were highlighted in detail.

Forthcoming Events

ICID Events

66th IEC and 26th European Regional Conference, 11-16 October 2015, Montpellier, France. Theme: Innovate to improve irrigation performances. Contact: Secrétaire Général, Association Française pour l'Etude des Irrigations

et du Drainage (AFEID), 361 rue Jean-François Breton, BP 5095, F - 34196 - MONTPELLIER CEDEX 5, France. Tel: +33.4.67.04.63.16, Fax: +33.4.67.16.64.40, E-mail: icid2015@irstea.fr, Website: <http://icid2015.sciencesconf.org/?lang=en>

4th African Regional Conference, 26 to 28 April 2016 at Cairo, Egypt. The main theme of the Conference is "Agricultural Land and Water Management for Sustainability under Climate Variability". Please access Conference website www.encid.org for more information.

2nd World Irrigation Forum (WIF2) and 67th IEC, 6-12 November 2016, Chiang Mai, Thailand. Theme: Water management in a changing world: Role of Irrigation for sustainable food production. Contact: Dr. Somkiat Prajamwong, Secretary General of THAICID, (Director of Project Management, Royal Irrigation Department), Thai National Committee on Irrigation and Drainage (THAICID), 811 Samsen Road, Thanon-NakornchaiSriDusit Bangkok 10300, Thailand. Tel: +662 243 7883; Fax: +662 243 7883; E-mail: thaicid@hotmail.com; Website: <http://www.worldirrigationforum.net>

13th International Drainage Workshop (IDW), March 2017, Ahvaz City, Iran. Theme: Drainage and Environmental Sustainability. Contact: Dr. S.A. Assadollahi, Secretary General, Iranian

National Committee on Irrigation and Drainage (IRNCID), No. 1, Shahrzad Alley, Kargozar St., Zafar Ave., Tehran, Postal Code: 19198-34453, Tel: (+9821) 2225 7348 – 22250162, Fax: (+9821) 2227 2285, E-mail: irncid@gmail.com, Website: <http://www.irncid.org>

23rd ICID Congress and 68th IEC, 8-14 October 2017, Mexico City, Mexico.

Theme of the Congress: Modernizing Irrigation and Drainage for a new Green Revolution. Contact: Dr. Luis Rendón Pimentel, President, Mexican National Committee of International Commission on Irrigation and Drainage (MXCID), Gerente de Distritos y Unidades de Riego Comision Nacional del Agua, Insurgentes Sur 2416 7o Piso, Colonia Copilco El Bajo, Delegación Coyoacán, C.P. 4340 México D.F. Tel: +52 53 222407, +52 53 222400 Ext. 6672; Fax: +52 53 22409E-mail: cnm@mxcid.org; luis.rendon@cna.gob.mx,

Other Events

Stockholm World Water Week on the theme "Water for Development", 22-28 August 2015 at Stockholm, Sweden. For details, visit: <http://www.siwi.org/>

Second Asian Irrigation Forum (AIF2), 17-19 November 2015 on the theme 'Securing Water and Food for the Future' at Manila, Philippines. For details, visit <http://www.adb.org/news/events/asian-irrigation-forum-2>



SECOND WORLD IRRIGATION FORUM

06-12 November 2016, Chiang Mai, Thailand

<http://www.worldirrigationforum.net>

ICID provides a unique platform for multi-stakeholder in World Irrigation Forum (WIF) for sharing and learning by engaging in issues of interest at global level.

The World Irrigation Forum stimulates and promotes multi-disciplinary discussions towards sustainable solution to water management in agriculture through:

- Exchange of latest irrigation and drainage policies, practices, innovations and technologies;
- Exploring and formulating concrete inter-disciplinary proposals;
- Development of liaison/

collaboration among various national / international institutions/ organizations/ private sector working for irrigated agriculture; and

- Advocacy for political commitments.

The main Theme of the WIF2 is **"Water management in a changing World: Role of Irrigation in Sustainable Food Production"** with the following sub-themes:

- Key actors in balancing water, food, energy and ecology;
- Management of climatic extremes with focus on floods and droughts; and

- Key and smart actions to alleviate hunger and poverty through irrigation and drainage

Various stakeholders/governments are invited to organize events, such as: Technical Sessions; International Workshops; Side Events; Roundtable Discussions; Capacity development events; Ministerial Meetings; and Exhibitions.

Contact: Dr. Somkiat Prajamwong, Secretary General of THAICID, (Director of Project Management, Royal Irrigation Department), Thai National Committee on Irrigation and Drainage (THAICID), 811 Samsen Road, Thanon-NakornchaiSriDusit Bangkok 10300, Thailand. Tel: +662 243 7883; Fax: +662 243 7883; E-mail: thaicid@hotmail.com; Website: <http://www.worldirrigationforum.net>

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