From Secretary General’s Desk...

Dear Colleagues,

On 16 October 2015, the World Food Day, FAO Director-General José Graziano da Silva thanked the world’s farmers, fishers, forest workers and other food and agriculture workers for their contribution to the “amazing achievement” of increasing sustenance from all even as the world population tripled since 1945. World Food Day, marking the 70th anniversary of the foundation of FAO with appeals to speed up efforts to eradicate hunger and improve the way food is produced and consumed. This year’s World Food Day theme is ‘Social protection and agriculture - breaking the cycle of rural poverty’.

And very appropriately, the members of the world’s largest network of irrigation and drainage professionals, responding to the call given by the world leaders gathered at the UN Summit through Agenda 2030, adopted ICID Vision 2030 “Water secure world free of poverty and hunger through sustainable rural development”, defining the mission and setting organizational goals for itself. The Consultative Group (CG) convened by VPH Dr. Huseyin GUNDOGDU, which had developed the draft of the Vision 2030 document, will now be working on developing an Action Plan. On behalf of the CG, I would like to urge all our patrons to be part of this development process.

The Euro-Mediterranean Regional Conference on Irrigation with theme “Innovate to improve irrigation performance” deliberated on a number of interesting topics such as ‘Drip Irrigation’; ‘Wastewater use in agriculture’; and ‘Water Governance’ with more than 800 experts from 70 countries making their contribution to the exchange of information and latest innovations in the field of agriculture water management. One of the major attractions of the event was the Workshop on Public-Private Partnerships in irrigation which aimed at presenting and discussing contrasted PPP experiences in irrigation, some of which seen as success and others as failures, so as to identify the conditions under which financial and institutional arrangements should be defined in order to meet the objectives of the different stakeholders involved.

The 66th IEC meeting took a number of important decisions that are presented in this edition of the News UPDATE for those who were not able to make it to Montpellier. The new Working Groups on Irrigation Development and Management (WG-IDM) and Water Saving in Irrigated Areas (WG-WATS) have also been established to take our mission forward.

After a gap of 10 years the Council has setup a Working Group on Capacity Development, Training and Education (WG-CDTE) that also includes setting up a Technical Support Unit, which will be based on voluntary inputs from the NCs and their experts. Continuing with its efforts to be a Knowledge Management Institution in Irrigation Drainage and Flood Management themes, ICID Working Groups have decided to review its Multilingual Technical Dictionary (MTD) and make it available on-line; compile a Directory of Products and Services; and strengthen the Integrated Library Management System (ILMS). The knowledge management process requires your input and support as an important stakeholder.

Our efforts to recognize the Historical Irrigation Structures (HIS) has strengthened the NCs interaction with the national stakeholders. You may also like to take advantage of connecting your own NC with the stakeholders at your project level and regional level.

Once again, let me urge you to take advantage of various communication channels that we have developed and connect with your partners and stakeholders to take your NCs vision and mission forward.

Best Regards,

Avinash C. Tyagi
Secretary General

---

**ICID Vision 2030**

**Vision** — Water secure world free of poverty and hunger through sustainable rural development.

**Mission** — Working together towards sustainable agriculture water management through inter-disciplinary approaches to economically viable, socially acceptable and environmentally sound irrigation, drainage and flood management.

**Organisational goals to realise vision** — 1. Enable higher crop productivity with less water and energy; 2. Be a catalyst for change in policies and practices; 3. Facilitate exchange of information, knowledge and technology; 4. Enable cross disciplinary and inter-sectoral engagement; 5. Encourage research and support development of tools to extend innovation into field practices; and 6. Facilitate capacity development.
The Council elected Prof. Dr. Charlotte de Fraiture (The Netherlands), Mr. Ian Makin (UK), and Prof. Abdelhafid DEBBARH (Morocco) as Vice Presidents for the period 2015-18.

The Council adopted ICID Vision 2030, including its Mission, six organizational Goals and how ICID will contribute to them. The Council set up a mechanism to chalk out an Action Plan for achieving those Goals.

Approval to set up of a Technical Support Unit (TSU) in ICID with a core group Chaired by President and consisting of Chairs – PCSO, PCTA, ASWRG, AFRWG and representatives contributing to the Capacity Development Fund as its members, and SG

Approval of the establishment of the Working Groups on:

- Irrigation Development and Management (Chair: VPH Francois Brelle);
- Water Savings in Irrigated Areas (Chair: Ehsani);
- Capacity Development, Training and Education (VP Abdelhafid Debbarh); and
- Task Force to Guide ICID Inputs to World Water Forum 8 (TF-WWF8)

Approval to establish ICID-YPF group on Linkedin portal which will be duly mentored

The Best Paper Award for 2015, selected out of the papers published in the ICID Journal (Volume 63, Issue 2) during the year 2014, was presented to Dr. Willem F. Vlotman and Mr. Clarke Ballard for their paper titled “Water, Food and Energy Supply Chains for a Green Economy”.

The WatSave Award were presented to:

- Technology – “Technology for Water Saving, Pollution Prevention and Emission Reduction of Paddy Rice” by Mr. Li Xinjian (China)
- Innovative Water Management – “Crop Rotation: An Approach to Save Irrigation Water under Water Scarcity in Egypt” by Prof. Samiha Ouda and Prof. Abd-El-Hafeez-Zohry (Egypt)
- Farmers’ – “Group Farming and Micro Irrigation a Way to Prosperity” by Mr. Bhagwan M. Kapse (India)

Total sixteen irrigation structures were included in the ICID Register of Heritage Irrigation Structures (9 Approved + 7 Provisional).

- China
  1. Quebei Pond
  2. Tuoshan Weir
  3. Zhuji Shadoof Irrigation System
- Thailand
  1. Rangsit Canal and Chulalongkorn Regulator
  2. Sa Reed Phong Dam
- Japan
  1. Irukaike Reservoir
  2. Kumedaika Reservoir
  3. Sadaiyousui Irrigation System
  4. Uwae Irrigation Canal
  5. Genbegawa Irrigation Canal (Provisional)
  6. Jikkasegi Irrigation System (Provisional)
  7. Minamiieki-kawaguchi-yusui Irrigation System (Provisional)
  8. Murayama Rokkamura-segi Irrigation Canal (Provisional)
  9. Takinoyusegi and Ohkawaraasegi Irrigation System (Provisional)
  10. Tokiwako Reservoir (Provisional)
  11. Uchikawa Irrigation System (Provisional)

The Scheme for Recognition of Heritage Irrigation Structures (HIS) laying down the category and criteria of recognition, the method of adjudication and the nomination form.

Approval to organize –

- 4th African Regional Conference on Irrigation and Drainage, 26-28 April 2016, Cairo, Egypt
- 67th IEC Meeting, 2016 and 2nd World Irrigation Forum, 6-13 November 2016, Chiang Mai, Thailand
- 13th International Drainage Workshop, March 2017, Ahvaz City, Iran
- 68th IEC and 23rd Congress, 8-14 October 2017, Mexico City, Mexico
- 69th IEC, Saskatoon, Canada, 2018 (In principle)
- 8th Asian Regional Conference, 2018, Kathmandu, Nepal (In principle)

Approved the direct membership of:

- Jain Irrigation Systems Ltd., India (Company)
- Md. Samiul Ahsan Talucder, Bangladesh (YP – Individual)
- Mr. Aytekin Turgay, Turkey (Life Membership - Individual)
- Prof. Prashanta Kumar Bordoloi, India (Life Membership - Individual)

Visit ICID Facebook page at <http://www.facebook.com/icidat> to see the Glimpses of the 66th IEC and 26th ERC meetings
At the United Nations Sustainable Development Summit held on 25 September 2015, world leaders adopted the 2030 Agenda for Sustainable Development, which includes a set of 17 Sustainable Development Goals (SDGs).

Speaking ahead of the Assembly’s formal adoption of the new framework, Secretary General Mr. Ban Ki-moon opened the Summit and declared “The new agenda is a promise by leaders to all people everywhere. It is an agenda for people, to end poverty in all its forms – an agenda for the planet, our common home”.

The 2030 Agenda for Sustainable Development is composed of 17 goals and 169 targets to wipe out poverty, fight inequality and tackle climate change over the next 15 years. The Goals aim to build on the work of the historic Millennium Development Goals (MDGs), which in September 2000, rallied the world around a common 15-year agenda to tackle the indignity of poverty. These Goals are a blueprint for a better future that can only be achieved through partnership and through commitment.

A United Nations high-level political forum on sustainable development (HLPF) has been established as the central UN platform for the follow-up and review of the 2030 Agenda. HLPF 2016 will be the first HLPF that will meet from 11-20 July 2016, under the auspices of ECOSOC.

The forum is expected to start effectively delivering on its mandates to provide political leadership, guidance and recommendations on the Agenda’s implementation and follow-up; keep track of progress; spur coherent policies informed by evidence, science and country experiences; as well as address new and emerging issues, and provide a platform for partnerships.

The United Nations defines sustainable development as “development that meets the needs of the present without compromising the ability of future generations to meet their own needs”. Previous dialogues on sustainability have more or less focused on climate change and environmental issues, but the new paradigm of sustainability, as negotiated over the last three years for this summit, includes all efforts towards an inclusive, sustainable and resilient future for people and the planet.

There is a significant departure from the previous framework to now include a “harmonising” of three elements: economic growth, social inclusion and environmental protection.

Full report can be accessed at https://sustainabledevelopment.un.org/sdgsproposal
ICID News Update – October 2015

3. Facilitate exchange of information, knowledge and technology
ICID to work towards exchange of information, knowledge and new technologies, duly recognizing the local wisdom, in order to facilitate analysis of trade-offs to maintain the economic efficiency of agricultural production and minimising the adverse environmental impacts.

4. Enable cross disciplinary and inter-sectoral engagement
ICID network would encourage research and provide technical support on the latest innovations available in the agriculture water domain to the government and non-governmental entities to help in the outreach into rural communities.

5. Encourage research and support development of tools to extend innovation into field practices
ICID network would encourage research and provide technical support on the latest innovations available in the agriculture water domain to the government and non-governmental entities to help in the outreach into rural communities.

6. Facilitate capacity development
ICID network would encourage research and provide technical support on the latest innovations available in the agriculture water domain to the government and non-governmental entities to help in the outreach into rural communities.

Organisational goals to realise vision

1. Enable higher crop productivity with less water and energy
ICID to advocate with the national governments and funding agencies to make strategic choices that favour increased profitability and productivity in energy efficient manner through sustainable agricultural water management.

2. Be a catalyst for change in policies and practices
ICID to provide guidance to water policy analysts on experiences with the modelling principals and latest tools for simulating development scenarios to generate knowledge which can serve as catalyst for policy changes.

Realising the Vision

Prof. Dr. Charlotte de Fraiture (The Netherlands)

Prof. Dr. Charlotte de Fraiture (born 1962) obtained her Ph.D in Civil Engineering with specialisation in Water Resources Management from University of Colorado, USA.

Besides she also holds two master degrees, one in Economics from University of Colorado and the other in Tropical Land and Water Management (Irrigation Engineering) from Wageningen Agricultural University, The Netherlands.

Presently, she is Professor in Hydraulic Engineering for Land and Water Development, Department of Water Science Engineering, UNESCO-IHE Delft, The Netherlands.

Prof. Charlotte has more than 25 years of experience in research in agricultural water management, global water supply and demand, water economics, water pricing, irrigation management, irrigation performance, project leader of research projects, design, quality control and supervision of construction and rehabilitation works of village irrigation schemes etc. She has peer reviewed more than 100 publications of which some are for Google Scholar and journal papers.

At present, Prof. Charlotte is involved in the ICID Vision 2030 process.

Mr. Ian William Makin (United Kingdom)

Ian Makin (born 1954) obtained his M.Sc. (Agricultural Engineering) from National College of Agricultural Engineering (now Cranfield University), United Kingdom.

Presently, he is Theme Leader (Revitalizing Irrigation) at International Water Management Institute (IWMI), Sri Lanka, where he is responsible for leading research on large scale irrigation system operations. Prior to this assignment, Mr. Makin was the Principal Water Resources Specialist in the Regional Sustainable Development Department, Asian Development Bank (ADB), where he was responsible for provision of leadership to ADB project teams on water-related investments in resources management, river basin development and agricultural water management.

Mr. Makin has more than four decades of experience in water resources management and has widened his management skills from specialized research project management to a competency in multi-disciplinary, multi-cultural management and organizational development through a series of challenging appointments and personal training. He has authored and co-authored over 60 journals which includes articles, reports and book chapters etc.

Mr. Ian William Makin (United Kingdom)

Prof. Dr. Abdelhafid DEBBARH (Morocco)

Prof. Dr. Abdelhafid DEBBARH (born 1951) obtained his Ph.D in Civil Engineering with specialisation in Groundwater Management from University of Minnesota, USA and a Doctorate in Agronomics from Agronomy and Veterinary Institute (IAV), Rabat, Morocco. Presently, he is Professor of Higher Education, Institute Agronomique et Vétinaire Hassan II, Rabat. He has professionally involved in the scientific expertise in groundwater management, irrigation, drainage, environmental impact evaluation of large scale irrigated schemes. Prof. Debbarh also coordinated bilateral and multilateral scientific and academic cooperation programmes related higher education, science and technology and research in countries like European Union, Canada, USA, China, and Francophone African countries. Prof. Debbarh has contributed a number of scientific papers, articles and technical reports on water management, irrigation, drainage, sustainable management of large scale irrigated schemes. He has contributed a number of scientific papers, articles and technical reports and is also a founding member of Amicale des Ingénieurs du Génie rural du Maroc (AIGR) in 1980.

Prof. Dr. Abdelhafid DEBBARH (Morocco)

Debbarh has contributed a number of scientific papers, articles and technical reports on water management, irrigation, drainage, environmental impact evaluation of large scale irrigated schemes. He has contributed a number of scientific papers, articles and technical reports and is also a founding member of Amicale des Ingénieurs du Génie rural du Maroc (AIGR) in 1980.

ICID News Update – October 2015

Newly Elected Vice Presidents (2015-2018)

Prof. Dr. Charlotte de Fraiture (The Netherlands)

Prof. Dr. Charlotte de Fraiture (born 1962) obtained her Ph.D in Civil Engineering with specialisation in Water Resources Management from University of Colorado, USA.

Besides she also holds two master degrees, one in Economics from University of Colorado and the other in Tropical Land and Water Management (Irrigation Engineering) from Wageningen Agricultural University, The Netherlands.

Presently, she is Professor in Hydraulic Engineering for Land and Water Development, Department of Water Science Engineering, UNESCO-IHE Delft, The Netherlands.

Prof. Charlotte has more than 25 years of experience in research in agricultural water management, global water supply and demand, water economics, water pricing, irrigation management, irrigation performance, project leader of research projects, design, quality control and supervision of construction and rehabilitation works of village irrigation schemes etc. She has peer reviewed more than 100 publications of which some are for Google Scholar and journal papers.

At present, Prof. Charlotte is involved in the ICID Vision 2030 process.

Mr. Ian William Makin (United Kingdom)

Ian Makin (born 1954) obtained his M.Sc. (Agricultural Engineering) from National College of Agricultural Engineering (now Cranfield University), United Kingdom.

Presently, he is Theme Leader (Revitalizing Irrigation) at International Water Management Institute (IWMI), Sri Lanka, where he is responsible for leading research on large scale irrigation system operations. Prior to this assignment, Mr. Makin was the Principal Water Resources Specialist in the Regional Sustainable Development Department, Asian Development Bank (ADB), where he was responsible for provision of leadership to ADB project teams on water-related investments in resources management, river basin development and agricultural water management.

Mr. Makin has more than four decades of experience in water resources management and has widened his management skills from specialized research project management to a competency in multi-disciplinary, multi-cultural management and organizational development through a series of challenging appointments and personal training. He has authored and co-authored over 60 journals which includes articles, reports and book chapters etc.

Mr. Ian William Makin (United Kingdom)

Prof. Dr. Abdelhafid DEBBARH (Morocco)

Prof. Dr. Abdelhafid DEBBARH (born 1951) obtained his Ph.D. in Civil Engineering with specialisation in Groundwater Management from University of Minnesota, USA and a Doctorate in Agronomics from Agronomy and Veterinary Institute (IAV), Rabat, Morocco. Presently, he is Professor of Higher Education, Institute Agronomique et Vétinaire Hassan II, Rabat. He has professionally involved in the scientific expertise in groundwater management, irrigation, drainage, environmental impact evaluation of large scale irrigated schemes. Prof. Debbarh also coordinated bilateral and multilateral scientific and academic cooperation programmes related higher education, science and technology and research in countries like European Union, Canada, USA, China, and Francophone African countries. Prof. Debbarh has contributed a number of scientific papers, articles and technical reports on water management, irrigation, drainage, sustainable management of large scale irrigated schemes. He has contributed a number of scientific papers, articles and technical reports and is also a founding member of Amicale des Ingénieurs du Génie rural du Maroc (AIGR) in 1980.

Prof. Dr. Abdelhafid DEBBARH (Morocco)

Debbarh has contributed a number of scientific papers, articles and technical reports on water management, irrigation, drainage, environmental impact evaluation of large scale irrigated schemes. He has contributed a number of scientific papers, articles and technical reports and is also a founding member of Amicale des Ingénieurs du Génie rural du Maroc (AIGR) in 1980.
The main purpose of the TSU is to support the member countries in general assessment of gaps in AWM capacities within the countries and suggest possible solutions; developing feasibility reports for small and medium irrigation, drainage and flood management proposal and undertaking assessment of training requirements.

Approved at the 66th IEC a Technical Support Unit (TSU) with the overall objective to “Undertake capacity development activities in the field of agriculture water management (AWM) in support of rural development” is set up with the broad scope to:

1. Coordinate capacity development programs of ICID;
2. To liaise in developing a knowledge base in AWM with the help of ICID working groups, partner institutions and member countries; and
3. To support the member countries in:
   i. general assessment of gaps in AWM capacities within the countries and suggest possible solutions
   ii. developing feasibility reports for small and medium irrigation, drainage and flood management proposal,
   iii. training assessment needs; and
   iv. undertaking capacity development programmes

President Dr. Nairizi emphasized the need for a professional guidance and support for initiating certain studies and activities to help member countries. The concept was very much appreciated and few NCs have expressed their willingness to support such an initiative.

TSU, which is a sub-set of WG-CDTE consist of distributed network of expert volunteers who commit to dedicate a maximum of ten man days to the TSU activities with a coordination unit within the Central Office that would help locate these experts. In addition, Members or partner institutions would be requested to depute personnel to the coordination unit of TSU from time to time, as required.

In order to ensure smooth functioning of TSU, a ‘Capacity Development Fund’ is established and support is solicited from member countries on a voluntary basis.

Hearty welcome to Myanmar and Ukraine

ICID takes great pleasure in welcoming Ukraine National Committee of ICID (UACID) and Myanmar National Committees on Irrigation and Drainage (MNCID) to its network of member countries. They were readmitted during the 66th IEC meeting held on 16 October 2015 at Montpellier, France. Our warmest felicitations and hearty congratulations to members of Ukraine and Myanmar for their continuing faith in ICID network and willingness to contribute towards the mission of ICID. The contact coordinates of Ukraine and Myanmar National Committees are:

Ukraine
Prof. Peter Kovalenko
Vice President Hon., ICID
President, UACID
Institute of Hydraulic Engineering and Land Reclamation
Kiev, 37, Vasilkovskaja Str.
Ukraine, 03022
E-mail: uacid2010@gmail.com,
pitkovalenko@gmail.com

Myanmar
Mr. Hyaw Myint Hlaing
Director General
Irrigation Department
Chairman, MNCID,
Ministry of Agriculture and Irrigation
Thiri Mingalar Lane
Yankin P.O., Yangon, Myanmar
Tel/Fax: +95-67-410539
E-mail: hatint2009@gmail.com

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.

The latest issue available on the website is Volume 64, Issue 4, Page 443-585. Click on http://onlinelibrary.wiley.com/doi/10.1002/ird.v64.4/issuetoc for direct access to the page with the papers 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.
Scholarship to Young Professionals

Young Professionals from the member countries of ICID are being encouraged by providing various concessions in attending ICID meetings/annual events/conferences with the objective of intensifying the involvement of young professionals in ICID’s activities and subsequently in the decision making processes.

14 young professionals who received scholarship were exposed to the activities of ICID through active participation in various technical sessions viz. assigned as rapporteur/coordinator of the sessions and also participated in the work body meetings of ICID.

With a view to enrich the knowledge of young professionals, two training workshops “Coupling innovative methods for participatory water management” by Nils Ferrand (IRSTEA) and “Integrated Flood Management: from theory to practice” by Dr. Giacomo Teruggi (WMO) were organized.

Coupling innovative methods for participatory water management

Since the Rio charter (1992) and the Aarhus convention (1998), public participation has been advocated in policies and developed in practice. However there is no unified participatory protocol to address the sequential need of participatory water management. Specialists tend to focus on some stages or specific tools they hold, rather than considering the entire decision cycle, and the options for joining policy, science, society in practice.

The training course introduced the key challenges and some fundamental methods for participatory water management, through operational examples. Based on practical examples and through two group exercises with some sample tools, the participants were exposed to alternative methodological options, and were able to reflect on their own needs and strategies for engaging with and for the stakeholders. The training was organized in association with IRSTEA and Dr. Nils Ferrand acted as Convener.

Integrated Flood Management: from theory to practice

The training course familiarized participants with the concept of Integrated Flood Management and prepare them to identify possible paths of action towards implementation of the concept in their own field of work. The training was based on the newly developed Primer for Integrated Flood Management. Besides setting the theoretical basis behind the IFM concept, the workshop provided examples of practical applications and tools that are available through the IFM HelpDesk for a correct and holistic application of the IFM concept in different socio-economic environments.

The Training was organized in association with the World Meteorological Organization (WMO) - Dr. G. Teruggi as Convener and Ms. Oppenheimer and Ms Poissonnier - Lescuras as team members. WMO also sponsored half of the participants to the workshop mainly from the developing countries.

ICID Events


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, Alhaz City, Iran. Theme: Drainage and Environmental Sustainability. Contact: Dr. S.A. Assadollahi, Secretary General, Iranian National Committee on Irrigation and Drainage (IRNCID), No. 1, Shahrsaz Alley, Kargozar St., Zafar Ave., Tehran, Postal Code: 19198-34453, Tel: (+98 21) 2225 7348 – 22250162, Fax: (+98 21) 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 Rendon 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, Delegacion Coyoacan, C.P. 11000 Mexico D.F. Tel: +52 53 223407, +52 53 222400 Ext. 6672; Fax: +52 53 22409 E-mail: cmn@mxcid.org, luis.rendon@cna.gob.mx,

Other Events

8th McGill Conference on Global Food Security, 27-28 October 2015 at Macdonald Campus, McGill University, Canada. For details, visit http://www.mcgill.ca/macdonald/gfs_conference%202015
