

News Update

November 2012

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INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID)

Managing Water for Sustainable Agriculture



From Secretary General's Desk

Dear Friends,

Just out of the 6th General Assembly of World Water Council in the Southern French city of Marseilles, I bring to you a slightly different kind of UPDATE on the decisions taken by the International Executive Council in Adelaide.



Keeping up to your wishes, I am happy to report that ICID has been elected to the Board of Governors of the Council for a period of three years to be able to put forth the concerns of the agriculture water management on the high political table. President Dr. Gao Zhanyi will represent ICID on the Board, with yours sincerely as alternate.

Two more Board of Governors, out of a thirty six elected, were your own Mr. Kazumi Yamaoka representing JNCID and Mr. Akif Özkaldi, Chair of the Turkish National Committee, representing DSI will carry forward the interest of agriculture water management at the world fora. Not only that, the Chair of the ICID Working Group on Young Irrigation Professionals Forum, Mr Yaser Barghi (Iran) has also been invited to be one of the three Young Professional observers at the BoGs.

The General Assembly also saw a change in leadership at the top with Dr. Benedito Braga from Brazil as the President and Dr. Dogan Altinbilek from Turkey as Vice President "to allow for continuity with a whiff of change and innovation" as the new President put it. On behalf of ICID community, I congratulate the new Team and assure them of our full support.

"A pact for water security" as envisioned by the WWC as its strategic thrust during the next three years and presented to the United Nations recently, includes as a non-exhaustive list of areas of work: the right to water, water and energy, food and health, climate and water related disasters. It may be of interest to note that the 7th WWF will be organized in Korea in 2015, the year after ICID Congress in Gwangju Metropolitan City in 2014.

Taking advantage of the presence of two members of the Steering Committee from our host of the World Irrigation Forum from 29 September to 1st October followed by the 64th IEC and its related meeting, PH Prof. Bart Schultz, Chairman of the Technical Advisory Committee, and of course President Dr. Gao Zhanyi, we took a quick review of the preparation of the event. I am happy to report that the progress is satisfactory and well on its course. Last week Central Office has sent a "Call for Papers" for the revised thematic arrangements necessitated by transition of the Regional Conference into the First World Irrigation Forum. The gist of the call is included in this edition of the UPDATE.

As you have noticed, the year 2012 has attracted some global attention to the issues related to food security and the role of improved water management in agriculture. In the series, McGill Conference on Food Security addressed the issues that influence "Food Prices and Political Stability".

I encourage you to please regularly visit our web site for more real time UPDATES.

Best regards,

Avinash C. Tyagi
Secretary General

Food Prices and Political Instability



The 5th McGill Conference on Global Food Security was successfully held on 16-18 October 2012 at Montreal, Canada. The theme of the Conference was "Food Prices and Political Instability". Public lecture on "What goes up must come down" was delivered by Dr. Jean Label, Vice-President, International Development Research Centre, Ottawa. Presentations were made and panel discussions were conducted in a series of sessions; the challenge of feeding 9 billion people; can high food prices and volatility be managed; politics and food; actions against hunger; social dimensions of food security and nutrition; and role of social actors in solving the food crisis.

The Conference was chaired by President Hon Prof. Chandra Madramootoo. Dr. Gao Zhanyi, President of ICID, Vice Presidents Hon. Prof. Victor A. Dukhovny (Uzbekistan) and Mr. Mohamed Ait Kadi, President, General Council of Agricultural Development, Rabat, Morocco attended the conference. President Gao Zhanyi made a presentation on 'Policy and Practice for Achieving Food Security in China' by highlighting the achievements in irrigated agriculture. VPH Viktor Dukhovny made a presentation on 'Food security in Central Asia – Vis-a-vis Future Challenges'.

Implementation of the Water Framework Directive

The 10th European Conference on the Implementation of the Water Framework Directive (EURO-INBO) was held on 17-19 October 2012 at Istanbul, Turkey, at the invitation of the Turkish Water Institute (SUEN).

WWC elects new Board of Governors





The Conference was organized around six successive round tables addressing the following issues: (i) Water, food and energy nexus; (ii) Cooperation with EECCA and Mediterranean Partner Countries on the implementation of the WFD principles and methods; (iii) Improve water governance in transboundary river basins; (iv) Adapt to challenges linked to climate change and prevent extreme phenomena; (v) Develop new approaches of river restoration and protection of water ecosystems & Economic analysis, and (vi) cost recovery under the WFD.

The "EUROPE-INBO" group was created in 2003 at Valencia, Spain by the European Basin Organizations of INBO.

VPH Dr. Karim Shiati, Chairman of ASRWG, Vice President Dr. Hüseyin GÜNDOĞDU and Dr. Aynur Fayrap, member of ASRWG attended the Conference and made their contributions in roundtable sessions. The final Declaration and all papers will be available on the website at <www.inbo-news.org> in due course of time.

VPH Karim Shiati visits TUCID and TANCID

Vice President Hon. Dr. Karim Shiati (Iran) visited 'TUCID' on 16 October 2012 at Istanbul, Turkey for a 'Consultation Meeting'



with the organizers of WIF. The theme/sub-themes, venue and other organizational matters were discussed in presence of Vice President Dr. Hüseyin GÜNDOĞDU, Mr. Cuneyt Gerek, Deputy General Director of DSI, Dr. Aynur Fayrap, member of ASRWG and Eng. Aysen Gungor from TUCID. The International Technical Advisory Committee (ITAC) has been established to guide the technical activities related to Forum. Discussion was also held on inviting the keynote speakers from the Partner Organizations (FAO, IWMI, ADB, GWP, IFPRI) and others.

Being Chairman of ASRWG, Dr Shiati explored the possibility of Regional Cooperation among the ASRWG countries, Turkish National Committee on Irrigation and Drainage (TUCID) and Iranian National Committee on Irrigation and Drainage (IRNCID). They have agreed to prepare a Memorandum of Understanding (MoU) for signing to enhance the Regional Cooperation in near future.

On 29th October 2012, VPH Shiati visited Tanzanian National Committee on Irrigation and Drainage (TANCID) and met Eng. Raphael L. Daluti, Director of Irrigation and Technical Services Division, Ministry of Agriculture, Food Security and Cooperatives of U.R. of Tanzania. Eng. Raphael L. Daluti briefed about the newly



activated TANCID with its activities and close cooperation with Tanzanian Society of Agricultural Engineers (TSAE). VPH Shiati introduced the First World Irrigation Forum (WIF) to be held in Mardin, Turkey in 2013 to TANCID and requested them to participate and contribute papers to WIF in large numbers.

VPH Hafied A. Gany visits CTCID



Vice President Hon. Dr. A. Hafied A. Gany (Indonesia) and Senior Advisor on Scientific Affairs to the Indonesian National Committee of ICID (INACID) accompanied by Mr. Endang Wachyan, member of INACID visited Chinese Taipei Committee (CTCID) on the occasion of the 'Intel Intelligent Systems Summit' (IIS) on 15-16 October 2012 at Taipei International Conference Centre.

The INACID delegates conducted a two-day 'Comparative Observation Study' from 17-18 October 2012 on the

Underlying Modernization of Operation and Management (O&M) of Irrigation and Drainage in Taiwan, R.O.C. During the visit VPH Gany met the CTCID Office-Bearers. Mr. Kuang-Ming Chuang, President of ICID-Chinese Taipei Committee (CTCID) welcomed the delegates. A large number of documents were shared including reports, literatures as well as "state-of-the-arts" of irrigation O&M in Taiwan. To give a concrete perspective, the Agricultural Engineering Research Center, Taoyuan Irrigation Association and Taichung Irrigation Association were visited.

What colour is your water?

A critical review of blue, green and other 'waters'

ICID.UK and the UEA Water Security Research Centre will be organizing a Seminar on What colour is your water? A critical review of blue, green and other 'waters' on 22 February 2013 at Institution of Civil Engineers (ICE) in London. The main focus of this seminar will be to critically review the colours concept applied to water resources managements e.g. blue water for surface freshwater; green water for rainfed agricultural evaporation; grey water, brown water and so on.

Contact Mr. Tim Fuller (tim.fuller@ice.org.uk) for more information and registration.

Challenges of Water and Environmental Management in Monsoon Asia

The International Society of Paddy and Water Environment Engineers (PAWEES) will be organizing the International Conference on 'Challenges of Water & Environmental Management in Monsoon Asia' in cooperation with Faculty of Engineering, Chulalongkorn University (CU), Faculty of Engineering at Kamphaengsaen, Kasertsart University (KU) and Royal Irrigation Department (RID) on 27-29 November 2012 at Nonthaburi, Thailand.

The aim of the Conference is to provide a platform for researchers, scientists, practitioners and policy makers to share and present new advances, research findings, perspectives and experiences in Paddy and Water Environment and related disciplines.

The main topics of the Conference are: (i) Climate Change and Uncertainty; (ii) Participatory Management for Irrigation Projects; (iii) Emerging Technologies in Water Management; (iv) and Environmental Sustainability in Paddy Irrigation and Drainage.

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Call for papers

First World Irrigation Forum (WIF)
 29 September - 1 October 2013
 Mardin, Turkey

Theme: Irrigation and drainage in a changing world: challenges and opportunities for global food security.

For sustainable agriculture water management an in-depth understanding of the implications of population growth, changing demographics due to rapid urbanisation, changing lifestyles due to socio-economic developments and frequent extremes due to climate change on water resources availability and irrigation management is needed. This knowledge is essential to ensure a steady growth in Global Food Production. "The Future We Want", an outcome of the Rio+20 conference, recognizes the need to maintain natural ecological processes that support food production systems. How irrigated agriculture can meet these aspirations under the increasing food demands in the 21st Century requires systematic review of the policies, techniques, implementation strategies to identify more sustainable water management strategies under limiting natural resources – both land and water- under competing financial resources. The Forum will therefore strive to address the following theme and sub-themes. In addition other international workshops, special sessions and side events will be organized.

Under the main theme Irrigation and drainage in a changing world: challenges and opportunities for global food security, three sub-themes and related topics have been identified:

Sub-theme 1: Policy, Science and Society Interactions

Topics

- 1.1 Policy requirements for better governance
- 1.2 Innovations, extension and improved irrigation and drainage services
- 1.3 Greater interaction among water users, agents, governmental organizations.

Sub-theme 2: Challenges and Developments in Financing Irrigation and Drainage Sector

Topics

- 2.1 Roles of water users, governmental organizations, and private sector in the development of irrigation and drainage
- 2.2 Financing mechanisms for investments in new technology, construction, rehabilitation and modernization of irrigation infrastructure
- 2.3 Partnership of various stakeholders in financing the irrigation and drainage sector

Sub-theme 3: Integrated Water Management Approaches for Sustainable Food Production

Topics

- 3.1 Water-Land-Food- Energy nexus

- 3.2 Challenges of sharing water between sectors (domestic, industry agriculture, and environment) in consideration with increasing population and climate change
- 3.3 Irrigation and drainage for environmental sustainability

International Workshops

In addition to the above themes, three related workshops will also be organized.

Workshop 1: Water Wisdom and Sustainability

Water wisdom of the past and relevant case studies; Wisdom and knowledge management; Water and sustainability; Case studies of sustainable historical water schemes; Using the tradition methods for creative and modern innovations in water engineering; Re-learning the lost knowledge; Synergy and combination of modern and traditional methods; Comparison of traditional methods with modern technology in rural areas

Workshop 2: Developing Management Strategies for Coping with Drought and Water Scarcity

Drought Management Strategies: Quantification or categorization of drought; Predicting or forecasting drought; Drought management strategies under national, water management and end user levels; Implementation of strategies during real drought conditions; Effectiveness of strategies during real drought conditions

Coping with Water Scarcity: Quantification or categorization of water short regions; Concepts and main aspects of water scarcity; new developments and trends in coping with water scarcity in water stressed regions

Rainfall Management (Water Harvesting): Rainfall management tools; Strategies / policies for rainfall management; Effectiveness of rainfall management; Rainfall management effect on surface runoff and stream flow

Workshop 3: Management of Water, Crops and Soils under Climate Change

Quantifying GHG emissions (N₂O, CH₄ and CO₂) and carbon sequestration under current irrigation practices; Developing strategies and technologies for minimizing GHG emissions in water-managed production systems; Use of improved crop varieties to cope with extreme events (floods and droughts); Soil management and tillage practices to adapt to the impacts of a changing climate.

Submission of Papers and Short Communications

Full Papers (maximum 10 pages of A-4 size see Guidelines for authors) on the Sub-theme, topics and international workshops are solicited from potential contributors. The papers will go through a review process. Authors of selected papers would be invited to make a presentation in 15 minutes through maximum of 10-15 power point slides.

- (a) Selected 3 best papers (one from each sub-theme) will be presented in the plenary sessions (one paper per plenary session) of the respective sub-theme.
- (b) From among the papers received/ accepted under each sub-theme, nine select papers will be presented in the 1st, 2nd and 3rd parallel sessions.
- (c) Other papers can be presented as poster and the authors can participate in the panel discussions and formulation of recommendations

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(d) Authors will be informed about the acceptance of his/her paper either for oral or poster presentation.

Schedule for submission of full papers

i.	Submission of abstracts (max. 300 words):	15 January 2013
ii.	Notification of acceptance	28 February 2013
iii.	Submission of paper	30 April 2013
iv.	Notification to author, as regards oral/poster presentation	30 June 2013

Short Communications (maximum of 4 pages of A-4) on sub-themes and topics are solicited from potential contributors. The short communications should describe new/promising products (equipment, software, models, management practices, institutional arrangements, etc.). Short communications will be invited to be presented briefly in 5 minutes through 3-5 slides.

(a) Selected 3 best short communications (one from each sub-theme) will be invited for a brief presentation at the plenary sessions (one short communication per plenary session) of the respective sub-theme.

(b) Nine short communications under each sub-theme will be presented in the 1st, 2nd and 3rd parallel sessions of the sub-themes.

(c) Other short communications can be presented as posters.

Schedule for submission for the short communications

i.	Submission of the short communication(s)	28 February 2013
ii.	Notification of acceptance	30 April 2013
iii.	Notification to author, as regards oral/poster presentation	30 June 2013

The 'Guidelines for Authors' are available at: http://www.icid.org/wif_icid.html.

Paper Submission

Abstracts / papers / short communication must be submitted online after registering on the following URL: <https://www.easychair.org/conferences/?conf=fwif2013>

Secretariat: Turkish National Committee on Irrigation and Drainage (TUCID); Devlet Mahallesi İnönü Bulvarı No. 16, 06100 Çankaya /ANKARA-TURKEY, Tel: +90-312-425-2059, Fax: +90-312-425-4614, E-mail: icid2013@dsi.gov.tr, Website: www.icid2013.org, www.worldirrigationforum.org

Vice President Prof. Tai-Cheol, Kim (Korea), President of PAWEES and Chair, ASRWG-WT has invited the members of ICID Asian Regional Working Group (ASRWG) to discuss the cooperation between ICID-ASRWG and PAWEES during the Conference. An internal/side meeting of the concerned members of PAWEES and ASRWG is scheduled to be held on 28 November 2012 at 16:30-18:00 hours at the Conference room. For more information, please visit PAWEES Conference at <http://Paweess.net>

New Additions to ICID's TDS Database (October 2012)

The additions during the months to the TDS Database are:

Article Section – 52 additions (Articles / Papers): (i) Irrigation and Drainage – The Journal of the ICID, October 2012, Vol. 61, No. 4(13 articles); (ii) Irrigation and Drainage – The Journal of the ICID, October 2012, Vol. 61, Supplement 2, Special Issue on Rainwater Harvesting and Conservation Techniques for Improving Household Food Security(14 articles); (iii) Journal of Indian Water Resources Society, January-April 2012, Vol. 32, Nos. 1-2 (7 articles); (iv) Water & Energy International, August 2012, Vol. 69, No. 8 (3 articles); (v) Lakes & Reservoirs – Research and Management, September 2012, Vol. 17, No. 3 (4 articles); and (vi) Water Policy, 2012, Vol. 14, No. 5 (11 articles).

Book Section – 10 additions; till date 32161 additions have been made to

TDS database. The Text Delivery Service (TDS) has received two requests during the period from Spain and Sri Lanka. The Text Delivery Service (TDS) database can be accessed by visiting ICID website: www.icid.org.

News from ICID National Committees

CNCID (China)

The Chinese National Committee on Irrigation and Drainage (CNCID) has informed that they have created the new website of CNCID. The CNCID new website address is <http://www.cncid.org/cncid/index.htm>

INCID (India) merged into INCSW

Ministry of Water Resources (MoWR), Government of India (GoI) has constituted a new Indian National Committee on Surface Water (INCSW) by merging the earlier four National Committees i.e. Indian National Committee on Hydraulics (INCH), Indian National Committee on Irrigation and Drainage (INCID), Indian National Committee on Hydrology (INCOH) and Indian National Committee on Construction Materials and Structures (INCGEM). Chairman, Central Water Commission (CWC) will be the Chairman of INCSW. The newly constituted INCSW will represent India in ICID.

THAICID (Thailand)

ICID fraternity extends its warm welcome to Dr. Somkiat Prajamwong, Director of the Office of Project Management, Royal Irrigation Department, Ministry of Agriculture and Cooperatives on his assuming the office of the Secretary General of Thai National Committee on Irrigation and Drainage (THAICID). The contact coordinates of Dr. Prajamwong are: Tel: 662 2241 0068; Mobile: 66 84 7000 540; Fax: 662 2243 7870; E-mail : thaicid@hotmail.com. We thank Mr. Suthep Noipairoj, former Secretary General for his immense contributions to ICID.

SANCID (South Africa)

The South African National Committee on Irrigation and Drainage (SANCID) is organizing the 'SANCID 2012 Symposium' from 20th to 23rd November 2012 at Alpine Heath Resort, Drakensberg, South Africa. The theme of the Conference is 'Irrigation in a Challenging Environment'. For more information about the 'SANCID 2012 Symposium', please visit the SANCID website <http://www.sancid.org.za/>.

ICID.UK (United Kingdom)

Dr. Bruce Lankford, Chairman of British National Committee of ICID (ICID.UK) and the UEA Water Security Research Centre organized a Seminar titled 'Irrigation policy in a time of drought and high food prices' on 9th November 2012 at the Institution of Civil Engineers (ICE) in London to examine global and local irrigation policy in the

context of drought and high food prices. The 2012 droughts in the UK, USA and Indo-Gangetic Plain plus current high food prices provided the background. The main question that guided the seminar was "In a time of climate change and food security, can better irrigation policies reduce food vulnerabilities?" More than 90 participants, representatives from DFID, universities and international NGOs attended the seminar. Presenters were drawn from the World Bank, IFPRI, FAO, KCL, Wageningen, ia2c.org, UKIA and UEA.

Please access their website at <<http://www.uea.ac.uk/watersecurity/events>> for more information.

Forthcoming Events

ICID Events

ICID's 1st World Irrigation Forum (WIF) and 64th IEC meeting, 29 September - 5 October 2013, Mardin, Turkey. Contact: Mrs. Serpil KOYLU, Turkish National Committee, ICID (TUCID), Delvet Mahallesi İnönü Bulvarı No. 16, 06100 Cankaya, Ankara, Turkey, Tel/Fax: +90 312 425 4614, E-mail: tucid@dsi.gov.tr, serpil.koylu@dsi.gov.tr, Website: <<http://www.icid2013.org>>.

12th International Drainage Workshop (IDW), June 2014, St. Petersburg, Russia. Contact: Ms. Irena G. Bondarik, Secretary General, National Committee of the Russian Federation on Irrigation and Drainage (RuCID), E-mail: <ibond@online.ru>, <rusiptrid@mail.ru>.

22nd ICID Congress and 65th IEC, 14-20 September, 2014, at Gwangju Metropolitan City, Republic of Korea. Contact: Ir. Hun Sun Lee, Korean National Committee on Irrigation and Drainage (KCID), E-mail: kcidkr@gmail.com, kcid@ekr.or.kr, Website: <<http://www.icid2014.org>>.

Other Events

PAWEES 2012 International Conference on 'Challenges on Water & Environmental Management in Monsoon Asia', 27-29 November 2012, Pak-kred, Nonthaburi, Thailand. All information is available at <http://pawees.net/?page_id=206>.

2nd Annual Conference on "Climate Change, Flood and Economic Development: How to gain competitive advantage", 28th November to 2nd December 2012 at London. Please contact: Dr. Thomas Reeds (E-mail: <Thomas_reeds@aol.com>) for more information.

The 2nd Asian Conference on 'Value Engineering – a key initiative by Asian countries for Sustainable Growth', 10-11 December 2012 at New Delhi, India. This Conference is being organized by host Indian Value Engineering Society (INVEST). Information is available at <<http://conference.invest-in.org>>.

The National and International Conference on Groundwater (NGWA Summit 2013), 28 April to 02 May 2013 at

San Antonio, Texas, USA. All information is available at <<http://groundwatersummit.org/>>.

7th International Conference on 'Using 21st Century Technology to Better Manage Irrigation Water Supplies', 16-19 April, 2013 at Phoenix, Arizona, USA. Contact: Vice President Hon. Larry D. Stephens and Executive Vice President of USCID (E-mail: stephens@uscid.org), Website :<<http://www.uscid.org>>.

2nd India Water Week, April 8-12, 2013, New Delhi will center around the theme "Efficient Water anagement: Challenges and Opportunities". The event will provide a wide ranging conference and a series of side events around the improved water use efficiency areas in the fields of Agriculture and Irrigation, Energy generation and Industry, and Urban and Rural Drinking water supply. For more information visit <<http://www.indiawaterweek.in>>.

5th Delft Symposium on Water Sector Capacity Development titled "Developing Capacity from Rio to Reality - Who's Taking the Lead?" 29-31 May 2013 at UNESCO-IHE, Delft, The Netherlands. All information is available at <<http://www.unesco-ihe.org/About/News/5th-Delft-Symposium-on-Water-Sector-Capacity-Development-29-31-May-2013>> and <<http://www.unesco-ihe.org/Navigation>>.

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The ICID journal, Irrigation and Drainage is available online FREE via Wiley online library for all ICID office bearers, work body members and subscribers.

Note: link to the renewed Wiley website: [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1531-0361](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1531-0361)

Now available on the website

Volume 61.4, October 2012 and Supplement 61.S2 on Rainwater harvesting and conservation techniques for improving household food security.

Click on [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1531-0361](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1531-0361) for direct access to the page with the papers of this issue of Irrigation and Drainage at the Wiley site

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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