



News Update

ICID•CIID

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

Established 1950

December 2008

From Secretary General's Desk...

Dear Friends,

A decision in respect of the venue for the forthcoming 60th IEC in the light of the discussions which took place in Lahore in last October has been taken. President Chandra had conveyed his approval, in consultation with a few office bearers, to accept the offer of INCID to host it and New Delhi will be the venue.



INCID has proposed to combine the 5th Asian Regional Conference in December 2009 with the 60th IEC. The combined IEC and ARC shall be held between 5 and 11 December 2009. This schedule does not clash with other planned meetings of 2009 which are well timed for participation by all interested. The year ahead, 2009, is slotted with a good number of events that are well spread out and the World Water Forum 5 (WWF 5) in March in Istanbul will be the first. In addition to the themes identified, the three ICID Regional Conferences *viz: the European in May in Lviv, the African in October in Abuja and the Asian in New Delhi in December* will play an important role to take out the messages emerging from WWF 5.

There is a growing participation of ICID in the identified topics of the six themes coming up for WWF 5; a significant progress in respect of the topic 2.3 on Water and Food for ending Poverty and Hunger, is discernible. Besides, our contributions as consortium partners in other themes / topics ask for inputs from various workbodies and experts in our ICID fraternity. May I urge you to visit the Forum website to appreciate the current level of development of the topic papers of interest to you and if required, to contact directly the coordinators for taking

important roles. The Forum 5 has a virtual meeting space (VMS) for individual contributions too for which one can click on <http://portal.worldwaterforum5.org/>. I often get queries expressing interest to contribute for the Forum from some of you and the best route given the short time ahead of us is to use the VMS which would itself lead you to load your contributions to the appropriate topic under the different themes.

Our particular focus on Africa in future is well known. I shall be attending the FAO's upcoming conference on Water for Agriculture and Energy in Africa: the Challenges of Climate Change in Sirte, Libya (15-17th December). This will enable us to join hands with African NCs and re-affirm the need for investment for Water Resources infrastructure and better agricultural water management. ICID has been invited to participate in the side events on AgWA - A new Partnership for Agricultural Water in Africa meeting facilitated by the World Bank. Together with SARIA, ARID we shall be supporting the renewed focus on Lake Chad, Inter Basin Water Transfer besides agricultural water management. We also intend to participate in the session of IUCN on Bio Energy, on invitation. I shall inform you more on the outcome in the next issue.

Before I conclude, let me appeal to the Chairs of workbodies who are yet to find time to go through the drafts sent by Central Office and approve the minutes of their meetings to bring out the IEC minutes before the end of this month.

Wishing you all a very happy Christmas and New Year!

Best Regards,

M. Gopalakrishnan
Secretary General

News from ICID National Committee

South Africa (SANCID)

SANCID has informed that as required by the constitution of SANCID, in an Ordinary Meeting on 30 October 2008, the following SANCID members were elected to serve on the Executive Committee for the next three years (2008-2011):

Chairman: Mr. F.B. Reinders
Vice Chairman: Dr. J.B. Stevens
Secretary: Dr. (Ms) N.J. Taylor
Treasurer: Dr. A.J. Sanewe
Additional member: Dr. G.R. Backeberg

All future communications with SANCID may please be directed to Mr. Felix Reinders or Dr. Nicolette Taylor. The contact details of the Secretary of SANCID are : Dr.(Ms) N.J. Taylor, Department of Plant Production and Soil Sciences, Faculty of Natural and Agricultural Sciences, University of Pretoria, Pretoria 0002; E-mail: Nicolette.Taylor@up.ac.za

We congratulate and welcome the new Executive Committee and look forward to their initiatives in organizing various activities in the direction of accomplishing the mission of ICID.

Dr. G.R. Backeberg has relinquished the Chairmanship of SANCID after serving the SANCID for two consecutive terms of three years since 2003. During his tenure, members from SANCID actively participated in different WG meetings, regional Conferences and Congresses of ICID. He also succeeded in achieving broad-based participation by SANCID members in ICID activities. Dr. Backeberg's contributions to SANCID and ICID as a whole were immense. We gratefully appreciate the excellent cooperation extended by him and look forward to his continued support and association (**Source** : SANCID).

**Season's Greetings and Best Wishes for a
Happy and Peaceful New Year 2009**

23rd European Regional Conference

The Ukrainian National Committee on Irrigation and Drainage (UKCID) is hosting the 23rd European Regional Conference (ERC) during 18-24 May 2009 at Lviv, Ukraine.

Under the theme "Progress in Managing Water for Food and Rural Development", the European Regional Conference will focus on specific problems of the integrated management of water and land resources, environmental problems of water systems under influence of drainage and irrigation, management of irrigation drainage and systems, protection of water resources, including protection against flooding, global climate changes of the Central and the East Europe countries. During the conference, a Young Professional Forum and a Symposium on the results of the

UNESCO-German Ukrainian joint project on the development of the Dniester region will also be held.

For recognizing these challenges, the Conference will be articulated around 4 thematic topics:

Topic 1: Integrated Management of Water and Land Resources

Topic 2: Irrigation and Drainage

Topic 3: Flood Management, and

Topic 4: Monitoring and Evaluation

Young Professionals Forum

Role of young professionals in decision-making process on topical questions on water and land management for food and rural development.

Deadlines:

Submission of Abstracts (500-600 words) **20 January 2009**

Intimation of acceptance of Abstracts **01 February 2009**

Receipt of full text of accepted papers **01 March 2009**

Please access conference website at <<http://europeicid2009.org/>> for more information.

Contact: Dr. P. Kovalenko, Vice President of ICID, President of Ukraine National Committee of ICID (UKCID), 37, Vasilkivska Str., Kyiv, 03022 Ukraine, Tel +380-44-257-3348; Fax: +380-44-257-4001, E-mail: <ukcid@igim.org.ua>

3rd African Regional Conference

The Nigerian National Committee on Irrigation and Drainage (NINICID) is hosting the 3rd African Regional Conference (ARC), 11-14 October 2009 at Abuja and preparations are on course. Numerous abstracts have been received for the conference.

The Conference theme is "*The Role of Irrigation and Drainage in Food Security: Towards attaining the Millennium Development Goals in Africa*". The sub-topics include :

(i) Food Production and Income

Generation through Irrigated Agriculture;

(ii) The Role of Private Public Partnership in Irrigated Agriculture in Poverty Reduction,

(iii) Performance Appraisal of Different Irrigation Systems towards achieving Millennium Development Goals and the Way Forward;

(iv) Irrigated Agriculture as a strategy for poverty reduction in developing countries; and

(v) Environmental Sustainability and

pursuit of the Millennium Development Goals.

Contact: Engr. D.B. Madu, Secretary, General, Nigerian National Committee on Irrigation and Drainage (NINICID), Federal Ministry of Agriculture and Water Resources, Department of Dams and Irrigation, Old Secretariat, Area 1, Garki, Abuja, Nigeria. Tel: +234 803 2977965; +234 804 4108000, Fax: +234 9 2347394, E-mail: <ninacid@yahoo.co.uk>, <ninacid@icid2009.org>. Please visit the Conference website: <http://www.icid2009.org/>.

60th International Executive Council meeting and 5th Asian Regional Conference

It is our pleasure to announce that the 60th International Executive Council will be hosted by the Indian National Committee on Irrigation and Drainage (INCID) in India together with the 5th Asian Regional Conference (ARC) during 5-11 December 2009 at New Delhi (India).

The theme of the 5th ARC is "Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better Operation and Maintenance". The sub-topics include:

(i) Supply management including pipe distribution system;

(ii) Organizational management;

(iii) Demand management;

(iv) Irrigated area drainage;

(v) Command area improvement, water conservation, technology improvement, and

(vi) Legal aspects and gender issues.

Deadlines:

Submission of "Summary and

Conclusions" (450-550 words) – **31 January 2009**, Intimation of acceptance – **31 March 2009**, and Receipt of full text of accepted papers – **31 July 2009**

Contact: Member Secretary, Indian National Committee on Irrigation and Drainage (INCID), CWC, IAD Dte, Room NO. 424(N), Sewa Bhavan, R.K. Puram, New Delhi 110066 (India). Telfax: + 91-11-2610 7086, E-mail: <iadcwc@yahoo.com>, Website: <www.cwc.gov.in/main/INCID/welcome.html>.

Special Session Report - Implications of Global Changes on Irrigation and Drainage System Development and Management

Prof. Dennis Wichelns (USA)

The goals of the Special Session were to describe the likely impacts of global climate change on irrigation and drainage system management, and to generate discussion of technological and policy innovations that might encourage wise management of land and water resources, given those expected impacts. The Special Session was conducted on 13 October 2008 during Lahore Congress, with about 50 persons attending in the Main Hall of the Conference Center.

Prof. Dennis Wichelns, Session Chairman, opened the session by describing the importance of managing the world's land, water, and air resources wisely, particularly in light of recent global changes and trends. Dr. Wichelns noted that the world's natural resources represent "natural capital" that can be used wisely or allowed to depreciate, just as financial capital can be invested wisely or squandered over time.

Dr. Wichelns concluded his remarks by suggesting that irrigation and drainage specialists must redouble their efforts to encourage wise management of the world's land and water resources, particularly in this age of global climate change. We must ensure that our natural capital is protected and used wisely to provide food and fiber, and support urban and rural livelihoods throughout the world. Most of humanity has a keen interest in the sustainable management of the world's natural capital. This is especially true for many rural residents of developing countries who depend on natural resources for a large portion of their household income and food security.

The five speakers who followed Dr. Wichelns's opening remarks described examples of technological and policy innovations that might be helpful in managing the world's natural capital in sustainable fashion.

Dr. Ray-Shuan Wu described the distribution of rainfall in the Taoyuan irrigation area in northern Taiwan, which includes nearly 25,000 hectares of land.

Dr. Wu and his co-authors compared the period 1958 to 1999 with the period from 2000 to 2005, noting that both the frequency of continuous rainy days and the frequency of continuous clear days have decreased in recent years. Such information should be helpful to planners and managers of irrigation and drainage systems, particularly in Taoyuan, where rice production is the primary agricultural activity.

Dr. Felix Reinders described the role of irrigation technology in agricultural production in South Africa, noting particularly how farmers have improved irrigation efficiency. Such gains might become particularly important, as farmers in many regions are required to adapt to changes in water supply conditions as a result of global climate change.

Technological advances will be important also in some of the world's largest irrigated areas, such as the Indus Valley of Pakistan. Dr. Abdul Sattar Shakir described canal management along the Upper Chenab Canal, which serves a command area of 620,000 hectares. Dr. Shakir and his co-author proposed several measures for improving water management along the Upper Chenab Canal, including adoption of improved technologies, the lining of major and minor canals, and promoting changes in cropping patterns.

The implications of global climate change will vary among countries and regions. Dr. Hafied Gany described some of the concepts and strategies, while considering also the notions of mitigating and adapting to climate change. As Dr. Gany suggested, the specific implications of climate change are difficult to predict, and they might require costly and complicated responses. In the near term, while waiting for specific implications to become more evident, policy makers might seek to implement measures that will enhance the ability of the agricultural sector to respond to climate change over time.

In the final paper of the Special Session, Dr. Illahi B. Shaikh described current

New Additions to ICID's TDS Database (November 2008)

The additions during the months to the TDS Database are:

Article Section – 46 additions (Articles / Papers)

- (i) Paddy and Water Environment, September 2008, Vol. 6, No. 3 (11 nos.)
- (ii) International Water Power & Dam Construction, September 2008, Vol. 60, No. 9 (2 nos.); and October 2008, Vol. 60, No. 10 (4 nos.)
- (iii) Hydropower & Dams, 2008, Vol. 15, No. 4 (3 nos.)
- (iv) Journal of Indian Water Resources Society, October 2008, Vol. 28, No. 4 (6 nos.)
- (v) Mausam, July 2008, Vol. 59, No. 3 (5 nos.)
- (vi) WMO Bulletin, October 2008, Vol. 57, No. 4 (9 nos.)
- (vii) Lakes & Reservoirs – Research and Management, December 2008, Vol. 13, No. 4 (6 nos.)

Book Section – 10 additions; till date 31113 additions have been made to TDS database. The Text Delivery Service (TDS) has received one request during the period from Iran.

The Text Delivery Service (TDS) database can be accessed by visiting ICID website: www.icid.org.

irrigation and drainage practices in Pakistan, and plans for modifying those practices to accommodate global climate change. Dr. Shaikh and his co-author presented statistics depicting a decline in annual water availability, particularly during 1999 through 2003. He focused particularly on the role of higher technology irrigation practices that might be adopted to improve efficiency in a region where global climate change might be reducing water availability, over time.

The Special Session has contributed to enhancing the understanding of some of the complex issues that must be addressed as we adapt our resource management strategies in response to global climate change.

Obituary

We feel very sorry to inform that Mr. Israel Silberstein, founder Chairman, ISO/TC 23/SC18 has passed away after serious illness.

Mr. Silberstein was instrumental in bringing out the SC18 to a very high level. Numerous standards have been developed under his leadership, which are of great importance in sustainable development of mechanized irrigation world over. ICID, in particular Working Group on On-Farm Irrigation Systems (WG-ON-FARM), is honoured to have closely worked with Mr. Silberstein.

May his soul rest in peace!

Events

7th International R&D Conference on "Development and Management of Water and Energy Resources", 4-6 February 2009, Bhubaneswar (Orissa), India. Contact: Mr. V.K. Kanjlia, Secretary, Central Board of Irrigation and Power (CBIP), New Delhi. E-mail: cbip@cbip.org; website: www.cbip.org

CIWEM Annual Conference on "Water and the Global Environment", 29-30 April 2009, Olympia Conference Centre, London, UK. Contact: Justin Taberham, The Chartered Institution of Water and Environmental Management (CIWEM), e-mail: justin@ciwem.org; URL: http://www.ciwem.org/events/annual_conference/

5th International Conference on "River Basin Management 2009 including all aspects of Hydrology, Ecology, Environmental Management, Flood Plains and Wetlands", 7-9 September 2009, Malta. Contact : Irene Moreno, Conference Secretariat, River Basin Management 2009, Wessex Institute of Technology, Ashurst Lodge, Ashurst, Southampton, SO40 7AA. Tel: 44(0)238 029 3223; Fax: 44(0)238 029 2853 or access conference website : <http://www.wessex.ac.uk/rbm2009rem2.html>

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Now available on the web site **Volume 57.5**, to be published in December. Click on <http://www.interscience.wiley.com/journal/ird> for direct access to the home page of Irrigation and Drainage at the Wiley site, or at the abstract of the concerned paper for a direct link to the abstract of that paper.

Volume 57, Issue 5 Research Articles

Shahbaz Khan, Hector M. Malano, Brian Davidson
System harmonisation: a framework

for applied regional irrigation business planning.

Luca Salvati, Marco Petitta, Tomaso Ceccarelli, Luigi Perini, Federica Di Battista, Maria Elisa Venezian Scarascia

Italy's renewable water resources as estimated on the basis of the monthly water balance.

E. D. Cholpankulov, O. P. Inchenkova, P. Paredes, L. S. Pereira

Cotton irrigation scheduling in central Asia: model calibration and validation with consideration of groundwater contribution.

Ch. Sreenivas, Ch. Konda Reddy

Salinity-sodicity relationships of the Kalipatnam drainage pilot area, Godavari Western Delta, India.

Vidmantas Gurrklys, Alfonsas Rimkus, Valentinas Saulys

Hydraulic calculation of mechanically arranged drainage lines with vertical bends.

Stefano Mambretti, Enrico Larcan, Daniele De Wrachien

Theoretical and experimental analysis of debris flow: rheology and two-phase modelling.

K. Q. Laghari, B. K. Lashari, H. M. Memon

Perceptive research on wheat evapotranspiration in Pakistan.

Kuo-Chen Ma, Yih-Chi Tan, Chu-Hui Chen

Effect of hysteresis and rainfall intensity on finger dynamics.

Erratum: News Update Issue October-November 2008, page 6: Please read 'Water Management in Rainfed Agriculture' as the title of Question 57 in the box item on Tehran Congress (2011).

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

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