



News Update

ICID•CIID

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

March 2006

Established 1950

From Secretary General's Desk...



Dear Colleagues,

The World Water community has assembled in Mexico for the Forum that commences on 16 March. As you are aware, ICID contribution to the Forum focuses on themes closer to its mission goals. President Lee, PH Keizrul, PH Aly Shady and several of our Office Bearers, Vice President Honaraires and Chairmen of the National Committees are assembled here to provide ICID perceptions in Panel discussions and sessions.

Of particular significance is the session that ASRWG-ICID on Multiple Role and Diversity of Irrigation Water. This session would provide a new insight on the multi-functionality of irrigated agriculture. Sessions on the Themes relating to Water Management for Food and Environment, Risk Management and Investment Needs for Mega Infrastructure would take on board several useful inputs that ICID supplied; these will be supplemented by oral interventions by our members during the sessions. Thus we would attempt to provide as much of valuable knowledge that lie in the treasures of ICID coffers to the overall objectives of the Forum.

The elections to the Board of Governors of World Water Council took place on 15th March preceding the Forum events. I regret, however, to announce to our fraternity that there was a stiff competition in the college in which we stood categorized i.e., College 5 (Professional Associations and Academics). There were 21 candidates for the 9 positions reserved for this college in the BoG. Despite our position as one of the founding Institutions of WWC and subsequent contributions since inception, the 61 votes garnered (*General Assembly had a College of 181 valid voters*) fell short by 6 to assure our position in the new BoG. We have thus a message. In my view,



there is a dire need for us to make ourselves more visible in the Water Community. I am sure that this would enable us to win the confidence of the members of the General Assembly in future. Notwithstanding the results, our support and assurance to WWC mission continues. The outgoing Board (*in which ICID had its membership*), has set the stage for the future roles and desirable directions for the three succeeding years, leaving of course its affirmation and follow up actions to the new BoG that takes over.

A few words on the progress on the ongoing ICID's Review exercises during the year. I am pleased to inform you that following the broad mandate of the 56th IEC in this regard, three Committees on '*Internal Review*' had been approved by the President and notified (*with the suggested terms of reference and time frame*). A Steering Committee had earlier been notified to look into the process of the External Review with the suggested Terms of Reference (*as indicated in the last News Update*). Central Office had equipped all these Committees with the useful outputs of earlier exercises. The valuable treasure of knowledge generated by predecessors has indeed a lot to guide us in the exercises under way.

The event schedule for the forthcoming Kuala Lumpur Annual Sessions is already in our web site. As a timely start and preparations would ensure successful meetings of work bodies and useful end results, I assure timely support from Central Office to all of you and the Organizers in MANCID. Please do not hesitate to demand them, as required.

Best regards,

M. Gopalakrishnan
Secretary General

News from National Committees

INACID

The Indonesian National Committee of ICID (INACID) has elected Dr. Ir. Roestam Sjarief, Ir. Moh Hasan and Lt. A.T.M. Sitompul as their President, Secretary General and Secretary, respectively for their organizational board of INACID for the year 2006-2009. Also six Vice Presidents and 12 Commissions are included in the Organizational Board to look after various activities of INACID. In line with the 2006-2009 Program, the National Congress of INACID gave mandate to the new organizational board to set up two teams for preparation of 4 year's Program, and review INACID's Constitution and By-laws. For more information, please contact : Dr. Roestam Sjarief, President, INACID, directorate General of Water Resources, Ministry of Public Works, Jl. Pattimura No. 20/ PERC, 7 Kebayoran Baru, Jakarta 12067, Indonesia. Tel : (021) 723-0317, 723-0318, Fax : (021) 726-1956, 720-8285, E-mail : indonecid@kimpraswil.go.id; indonecid@yahoo.co.id.

ITAL-ICID

22nd European Regional Conference : It is with great honour and privilege to invite, on behalf of Italian National Committee of ICID (ITAL-ICID), all members of the ICID family, to gather in Pavia (Northern Italy) and attend the 22nd European Regional Conference to be held during 2-6 September 2007 at the Pavia University in Italy.

As members are aware of, Italy is one of the 11 founding member countries of ICID in 1950. Since inception ITAL-ICID has been an active member for furthering the aims and objectives of ICID.

The European Union Countries today are faced with some new and original challenges, including increased competition for scarce water supplies,

increasing demand for food, implications of global climate change and energy shortage.

Prof. Dr. Ing. Joachim Quast visits ICID Central Office

Prof. Dr. Ing. Joachim Quast, Secretary, German National Committee of ICID (GECID) visited ICID Central Office on 10 March 2006. Secretary General Er. M. Gopalakrishnan welcomed Prof. Quast and appreciated the contributions of GECID, especially the 21st European Regional Conference held during 15-19 May 2005 at Frankfurt (Oder), Germany and Slubice (Poland). He admired the leadership of Dr. Ing. Eiko Lübbe, Chairmen of GECID and European Regional Working Group of ICID (ERWG) and his team for their Herculean efforts in organizing the Conference. Secretary General Gopalakrishnan congratulated Prof. Quast for successful operation of ERWG over a decade. Contributions of Dr. Ing. Wolfram Dirksen (Germany), Former Chairman of ERWG were remembered. Secretary General then presented a brief overview of the ICID activities currently going on. He mentioned about upcoming External and Internal Review of ICID, sponsor for WatSave Awards, Country Policy Support Program (CPSP) and ICID's Involvement in upcoming 4th World Water Forum (WWF-4) at Mexico etc. A set of latest ICID publications was presented to Prof. Quast.



Prof. Quast, in his brief presentation, covered the history of GECID, Irrigation and Drainage in Germany, organization of 21st European Regional Conference and active participation of young professionals in it, floods and its mitigation in Europe, project report of the "Irrigation Management Transfer in Europe Countries of Transition" (2003 to 2005), land reforms and bio-fuel in Europe etc. Prof. Quast, at the end, emphasized that he would continue to contribute actively for the cause of ICID i.e. 'Managing Water for Sustainable Agriculture'.



Welcome to Pavia

Recognizing these challenges, the Conference will address the theme "Water Resources Management, and Irrigation and Drainage Systems Development in the European Environment" to be articulated along four thematic topics, as below :

- (i) Impacts of Extreme Hydrological Events on Irrigation and Drainage Systems;
- (ii) Energy Saving Technology in Advanced Irrigation Systems;
- (iii) Conjunctive Use of Surface and Groundwater; and
- (iv) Participatory Management and Economic Policies for Irrigation and Drainage Development.

A one-day technical tour to nearby water facilities will supplement Conference sessions providing the participants with the opportunity to be acquainted with the Italian Natural Resources and also with some historical sites.

The deadlines are : (a) Abstract Submission : 31 May 2006; (b) Notification of abstracts acceptance : 31 October 2006; (c) Submission of full papers : 28 February 2007; (d) Notification of papers acceptance : 31 May 2007. For more information, please contact : Prof. Dr. M. Elisa Venezian Scarascia, ITAL-ICID General Secretary, Via Sallustiana, 10 Rome, Italy. Tel/Fax : +39 06 4884728; E-mail : erc2007@italicid.it; me.scarascia@politicheagricole.it; Website : italicid.org/erc2007.

Secretary General M. Gopalakrishnan thanked Prof. Quast for visiting Central Office and supporting ICID.

Tales of Water

The Tales of Water is an initiative of IUCN, in partnership with the World Water Council and supported by CONAGUA (Comision nacional del Agua in Mexico).

Tales of Water is a multimedia project setting the stage for children from every continent to tell their stories about water, so that their visual testimonies can communicate the realities in the field during the 4th World Water Forum in Mexico.

Please access the home page of WWC for a brief funding proposal for the project. The website explains who are the target audiences, what are the products that will be made and how you can get involved. Tales of Water has its dedicated website which can be visited at the following address : www.talesofwater.com (Source : World Water Council).

World Water Day 22 March 2006 Water and Culture

In 1992, the United Nations declared 22 March to be the World Water Day. World Water Day 2006 will be guided by the Theme "**Water and Culture**" under the leadership of UNESCO on 22 March 2006 within the framework of the "International Decade for Action: Water for Life". The 2nd UN World Water Development Report will also be launched this year during the 4th World Water Forum in Mexico. World Water Day is an opportunity for everyone to get involved. All National Committees are invited to devote the day to water related activities such as organizing conferences/seminars, round table discussions, public awareness through publications and documentaries etc. Further, you could foster a dialogue between cultures to find solutions for water-related problems; encourage the active involvement of indigenous peoples in all your activities; encourage artistic expression on water issues to foster understanding and share information (drawings, photographs, audiovisual materials etc.); encourage the creation and dissemination of information on water and culture in your community. Feedback from National Committees will be given due coverage in this very your own News Update.

ICID at the 4th World Water Forum in Mexico

The International Commission on Irrigation and Drainage (ICID) together with other International Organizations and its National Committees is participating to contribute effectively in various sessions at 4th World Water Forum (WWF-4), Mexico City, Mexico during 16-22 March 2006. They are :

- ❖ **FT1.34 : Water Infrastructures for Sustainable and Equitable Development**, 17 March 2006 : 11.15-13.15 : This joint session is organized by IWRA, ICID, ICOLD, IHA, IAHR, IWA and supported by water industry and public utilities.
- ❖ **FT2.13 : IWRM as a Basis for Social and Economic Development in Central Asia**, 18 March 2006 : 14.30-16.30 hours. This exclusive session is organized by its Uzbekistan National Committee on Irrigation and Drainage (UzNCID) – Interstate Coordinator Water Commission of Central Asia (ICWC).
- ❖ **FT4 : Water Management for Food and the Environment**, 20 March 2006. This most important Thematic Forum is organized by IWMI (Beacons) and ICID's MXCID (Co-Beacons). The planet's food and environment are at grave risk due to deficient irrigation systems, demographic growth, a dearth of financial resources and increasingly new lifestyles and shifting emphasises: (i) The goal of reducing hunger in the world by half by 2015 is endangered : only one third of the population can now be assured of food security; (ii) Land for agriculture has dropped 30% due to the growth of population; (iii) A substantial part of the sixty percent of the plant's fresh water diverted for irrigated agricultural purposes can be recovered and reused; and (iv) 96% of global malnutrition is found in developing countries : five million children die every year due to inappropriate nutrition.
- ❖ **FT4.15 : Sustainable Paddy Water Use and its Multi-functionality with Better Governance (ICID-ASRWG-INWEPF)**, 20 March 2006 : 16.45-18.45 hours. Discussions would cover the multiple use, roles, values,

services and other aspects of agricultural water in paddy farming regions, management and strategies; the traditional wisdom and experiences of local communities; and governmental assistance for adequate investment, modernization and management of rice water systems, in order to achieve food security, poverty reduction and conservation of ecosystems. The session is organized by ASRWG of ICID partnering with INWEPF.

- ❖ **FT4.03 : Drain for Gain**, 20 March 2006 : 11.15-13.15 hours. This exclusive session on "Drain for Gain – Agricultural Drainage for Sustainable Development" is organized by Egyptian National Committee on Irrigation and Drainage (ENCID) together with Working Group on Drainage (WG-DRG).
- ❖ **FT4.20 : Capacity Development Strategies and Social Learning among Stakeholders for a Sustainable Irrigation and Drainage Sector**, 20 March 2006 : 16.45-18.45 hours. This exclusive session is organized by South African National Committee on Irrigation and Drainage (SANCID) – The Water Research Commission (South Africa). Other co-sponsoring organizations for the event are Unesco-IHE and IPTRID.
- ❖ **FT4.21 : Adequation of Water users' Rights and Productive Reconversion of Irrigation Districts**, 20 March 2006: 16.45-18.45 hours. This exclusive session is organized by Mexican National Committee of ICID (MXCID) with the co-sponsorship from National Irrigation Users Association (ANUR).
- ❖ **FT5 : Risk Management**. International community had agreed on global target to halve by 2015, the number of loss of human lives by water related disasters. There is a need to build up the resilience to hazards in society. Adequate knowledge dissemination and transfer of technological developments in particular to the Least Developed Countries is urgently needed. Capacity development programmes for water managers as well as public

awareness raising programmes on risk management are direly wanted. Drought preparedness and mitigation should be able to ensure reasonably good prediction, monitoring, impact assessment, and prompt response. Water saving programmes has to start long before the resource is exhausted and cropping patterns should be adapted to the critical situation, which requires an early warning and seasonal forecast.

- ❖ **FT5.11 : Managing Drought Risks – Role of Improved Preparedness and Management**, 21 March 2006 : 14.30-16.30 hours. This joint session is organized by World Meteorological Organization (WMO). Other co-sponsoring organization is Regional Center of Meteorological Applications for Development (AGRHYMET).

Members of ICID fraternity present during these sessions and enriched them with their valuable thoughts will be reflected in the forthcoming News Updates.

New Additions to ICID's TDS Database (February 2006)

Article Section – 67 additions, viz. (i) Journal of Hydraulic Research, IAHR, 2005, Vol. 43, No. 5; (ii) Water Policy, 2005, Vol. 7, No. 6; (iii) Lakes & Reservoirs; Research and Management, 2005, Vol. 10, No. 4; (iv) Canadian Journal of Plant Science, October 2005, Vol. 85, No. 4; (v) Water Resources Journal, December 2005, No. ST/ESCAP/SER.C/217; (vi) Paddy and Water Environment, December 2005, Vol. 3, No. 4; (vii) A World of Science, UNESCO, January-march 2006, Vol. 4, No. 1; up-to-date tally 5212; Book Section – 17 additions; up-to-date tally 30449. The Text Delivery Service (TDS) database can be accessed by visiting ICID website : www.icid.org.

EVENTS

Annual Conference of Boao Forum for Asia, 20-23 April 2006, HaiNan Province, China : Anyone having interest in this forum may please visit the website at www.boaforum.org for detailed information and contact : Mrs. Jianxin Mu (E-mail :

ICID WatSave Awards 2006

National Committees have still a golden opportunity to grab the sponsorship of the **ICID WatSave Awards 2006**. Kindly indicate your interest to Secretary General, ICID, if your National Committee is desirous to have the privilege of supporting WatSave Awards 2006.

cncid@iwhr.com; mujx@iwhr.com) for an invitation letter, if required.

International Conference on Hydrological Sciences for Managing Water Resources in the Asian Developing World, 8-10 June 2006, Baiyun Hotel, Guangzhou, China. For more information, please contact : Mr. Chen Xiaohong, Secretary General, Conference Secretariat, Department of Water Resources & Environment, Zhongshan University, Guangzhou 510275, P.R. China. Tel : +86-20-8411 5902; +86-20-8411 5902; Fax : +86 20 8411 4575; E-mail : eeslfz@zsu.edu.cn; eesjt@zsu.edu.cn; eeshfan@zsu.edu.cn.

International Technical Seminar and Study Tour on "Safety Evaluation and Visual Inspection of Existing Dams" 7-17 August 2006, Denver, Colorado, USA. For more information, please contact :: International Affairs – Denver, Bureau of Reclamation, P.O. Box 25007, Denver, Colorado 80225, USA. Tel : 1-303-445-2127; Fax : 1-303-445-6322; E-mail : Lprincipe@do.usbr.gov (Leanna Principe) or Clane@do.usbr.gov (Carol Lane) or visit www.usbr.gov/international.

Hydro 2006: Maximising the Benefits of Hydropower, Porto Carras, Greece, 25-28 September 2006. For more information, please contact : HYDRO 2006, Mrs. Margaret Bourke, Aqua-Media International, Westmead House, 123 Westmead Road, Sutton, Surrey SM1 4JH, UK. Fax : +44 20 8643 8200; E-mail : hydro2006@hydropower-dams.com.

Managing Drought and Water Scarcity in Vulnerable Environments : Creating a Roadmap for Change in the United States, 18-20 September 2006, Boulder, Colorado, USA. For more information, please contact : Deborah Nelson. Tel : +1 303-357-1014; E-mail : dnelson@geosociety.org.

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Gerhard R. Backeberg

Research Article - Reform of user charges, market pricing and management of water: problem or opportunity for irrigated agriculture?

Petra J. G. J. Hellegers, Gerbert J. Roerink

Financial viability and profitability of irrigation in Crimea, Ukraine

Menelaos E. Theocharis, Christos D. Tzimopoulos, Stavros I. Yannopoulos, Maria A. Sakellariou-Makrantonaki

Design of optimal irrigation networks

M. Gopalakrishnan, A. D. Mohile, L. N. Gupta, R. Kuberan, S. A. Kulkarni

An integrated water assessment model for supporting India water policy

K. Vandersypen, A. C. T. Keita, K. Kaloga, Y. Coulibaly, D. Raes, J.-Y. Jamin

Sustainability of farmers' organization of water management in the Office du Niger irrigation scheme in Mali

Wei Qingsong, Shi Yusheng, Lu Gang, Dong Wenchu, Huang Shuhuai

Study of hydraulic performance of the eddy channel for drip emitters.

David Groenfeldt

Multifunctionality of agricultural water: looking beyond food production and ecosystem services.

Jean-Paul Luc, Jamila Tarhouni, Roger Calvez, Liman Messaoud, Claire Sablayrolles

Performance indicators of irrigation pumping stations: application to drill holes of minor irrigated areas in the Kairouan plains (Tunisia) and impact of malfunction on the price of water

St. Elmaloglou, N. Malamos

A methodology for determining the surface and vertical components of the wetting front under a surface point source, with root water uptake and evaporation

ICID

Review of ICID Manual on "Planning of Structural Approaches to Flood Management".

INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE

48 Nyaya Marg, Chanakyapuri, New Delhi 110021, India, Tel : 91-11-2611 5679, 91-11-2611 6837, 91-11-2467 9532
Fax : 91-11-2611 5962; E-Mail : icid@icid.org; Website : <http://www.icid.org>

Editor : Dr. Vijay K. Labhsetwar, Director - II; DTP : Keshav Dev Tanwar, Central Office