



News Update

ICID•CIID International Commission on Irrigation and Drainage

Established 1950

September-October 2003

Highlights of 54th meeting of IEC, Montpellier, France

The 54th meeting of International Executive Council (IEC), 20th European Regional Conference and other workshops were successfully held at Montpellier, France from 14-19 September 2003. Besides the Conference, meetings of some 29 ICID Work Bodies and five Task Forces were held on the occasion. More than 450 delegates from over 52 countries and 10 international organizations participated in the various events. Along with the regional conference, following international and internal workshops, special sessions were held:

- Workshop on Socio-Economic Impacts and Policy
- Workshop on Land and Water Issues: Challenges and Opportunities in the Lake Chad Basin
- Workshop on Irrigated Agriculture Under Drought and Water Scarcity
- Workshop on Benchmarking and Quality Control of Services Provided by Irrigation and Drainage Systems
- Workshop on Capacity Building in Irrigation and Drainage: Issues, Challenges and the Way Ahead
- Workshop on Use of Remote Sensing of Evapotranspiration for Large Regions
- Workshop on Wise Use and Environmental Conservation of the Tidal Areas
- Workshop on the Ever Lasting Fight Against Flooding
- Workshop on Improved Irrigation Technologies and Methods: Research, Development and Testing
- Special Session on Country Policy Support Programme (CPSP)
- Issues and Approaches in Irrigation, Drainage and Agricultural Water Management (The World Bank Presentation)

A technical visit to Canal of Gignac was arranged on 19 September. The Canal is more than 100 years old and commands an area of 3800 ha. The scheme is unique in Europe and enables testing and validation of modern regulation techniques and automation for real time condition.

Exhibition by National Committees

An exhibition of ICID National Committees and fraternity to display their activities was held during the 54th IEC at Montpellier. ANCID (Australia), BNC-ICID (UK), KCID (Korea), INCID (India), MANCID (Malaysia), RUCID (Russia), USCID (USA), ERWG and IPTRID participated in the exhibition. They displayed their activities and achievements, salient features through posters, photographs, publications etc. Several delegates visited the exhibition and gathered valuable information on irrigation and drainage development of the respective countries. Central Office displayed posters highlighting status of irrigation, drainage, food production, etc. in ICID member countries.

New Office Bearers

Following three new Vice Presidents were elected for the term 2003-2006:

Dr. Alain Vidal, France : Dr. Alain Vidal is 41 years old and holds degrees in Agronomy Engineering (1984), Agricultural and Environmental Engineering (1985); Ph. D. in Water Science and Remote Sensing (1989) and a Research advisory degree in sciences (1990). Presently, Dr. Vidal is the Head of European and International Affairs Office, Cemagref, Montpellier and Antony. Dr. Vidal has been associated with French National Committee (AFEID) since 1992, and was its Vice Chairman in 1998. Currently, he is the Chairman of WG-ILWRM, and Vice-Chairman of PCTA. Earlier, he was associated with WG-YPF, WT-WATS. He was General Reporter of Special Session of 18th ICID Congress held at Montreal in 2002. He has contributed many technical papers to various ICID Conferences.

Mr. R. Jeyaseelan, India, (b. 1946) holds a degree in Civil Engineering, Masters in Civil and Structural Engineering, and P.G. Diploma in Hydropower. Presently, Mr. Jeyaseelan is the Chairman of Indian National Committee of ICID (INCID) and Chairman of Central Water Commission (CWC), Ministry of Water Resources, Government of India. He is also a member of ICID Staff Committee (SC), member of WG-CAFM. Mr. Jeyaseelan has presented several papers in National and International Conferences. He is the President of Indian Association of Hydrologists

(IAH) and Indian Society for Rock Mechanics and Tunneling Technology (ISRMTT) and member of many professional associations.

Prof. Victor A. Dukhovny, Uzbekistan, (b.1934) holds Master's Degree in Civil Engineering (1957), Ph.D. (1972), and D.Sc. (1990). Prof. Dukhovny is the Director of the Scientific Information Centre of International Water Commission for Aral Sea Basin (SIC-ICWC) since 1993. He was Chairman for one of the main topics of the 9th Congress held in Moscow (1975) and 10th Congress in Athens (1978), Chairman of Scientific Committee of the 1st Afro Asian Regional Conference of ICID held in 1976; Member of ICID Advisory Group of IPTRID; and Member and Deputy Chair of ST-ARAL of ICID. Prof. Dukhovny has contributed several technical papers to ICID Conferences.

ICID family heartily congratulates these new Office Bearers.

Winners of the WatSave Awards 2003

The winners of the ICID WatSave Awards 2003 declared in Montpellier are – Dr. Richard John Stirzaker (Australia) for Technology Award, Dr. Muhammad Akram Kahlowan (Pakistan) for Innovative Water Management Award, and Mr. Tony L. Wahl (USA) for Young Professionals Award. Each award carries a prize money of US\$2000 and a Citation. WatSave Awards 2003 were sponsored by the Japanese National Committee (JNC-ICID). The awards were presented by President Ir. Keizrul bin Abdullah during the 54th meeting of IEC on 19 September 2003.

Dr. Richard John Stirzaker (b.1961) is a Senior Research Scientist at CSIRO Division of Land and Water, Australia. He received Ph.D. from School of Crop Sciences, University of Sydney and was honoured with several academic awards and distinctions. Major areas of Dr. Stirzaker's research are - irrigation, water use of tree-crop combinations and from saline soils and groundwater. Dr. Stirzaker may be contacted at <Richard.stirzaker@cbr.clw.csiro.au>.

Dr. Muhammad Akram Kahlowan (b.1951) holds Ph.D. in Civil Engineering from University of Idaho, USA and presently is a Chairman of the Pakistan Council of Research in Water Resources (PCRWR). He has held various senior positions in the Ministry of Water and Power, Government of Pakistan. Dr. Kahlowan may be contacted at <pcrwr@isb.comsats.net.pk>.

Mr. Tony L. Wahl (b.1966) is a Hydraulic Engineer at Bureau of Reclamation, Water Resources Research

Laboratory, Denver, USA. He holds Masters in Civil Engineering (Hydraulics) and has vast research and project execution experience in hydraulic engineering. Mr. Wahl has been honoured with several prestigious awards including the Special Act Award for development of WinFlume software in 1999. He has made numerous contributions to worldwide efforts to save/ conserve, and use water resources more effectively. Mr. Wahl's work spans the fields of flow measurement, canal system modernization and operations improvements, debris and fish screening at irrigation diversions, hydrology, and improved hydraulic laboratory techniques. Mr. Wahl may be contacted at <twahl@do.usbr.gov>.

Heartly congratulations to these Award winners. The outstanding contribution/work of these winners can be accessed at ICID website <<http://www.icid.org>>.

Three new African countries to be ICID members

Applications of National Committees of Chad, Niger and Mali for membership of ICID were approved by the 54th International Executive Council (IEC) on 19 September 2003. Their membership will hopefully be effective soon.

New Chairmen and Secretary of ICID Work Bodies

- Mr. Tom Franks (UK), Chairman, Working Group on Capacity Building, Training and Education (WG-CBTE)
- Mr. Bruno Molle (France), Chairman, Working Group on Coordination of Dictionaries (WG-CD)
- Mr. Dick de Bruin (The Netherlands), Chairman, Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)
- Dr. Sami Bouarfa (France), Secretary, Working Group on Drainage (WG-DRG)

9th International Drainage Workshop (IDW9), 10-13 September 2003, Utrecht

ICID's 9th International Drainage Workshop (IDW9) was held from 10-13 September 2003 at Utrecht, The Netherlands. The workshop was organized in collaboration with Alterra-ILRI. The main objective of the workshop was to discuss the role of drainage in integrated water resource management in agriculture and to formulate action plans to

define how to convey the significance of the drainage to the international community, especially non- drainage experts. The main conclusions of the workshop were presented by Dr. Vlotman, Project leader and Mr. Ritzema, Chairman, Scientific and Programme Committee. The workshop was attended by 120 participants from 25 countries. Eighty five papers and thirty posters were received. There were no formal presentations of the papers, rather they provided background information for the discussions according to a new approach called “open-space technology” (OST).

The draft Utrecht declaration, preliminary conclusions, the latest updates and action plans formulated at IDW9 were posted on the Workshop website <<http://www.ilri.nl>>.

Utrecht Declaration
(Draft)

“Drainage is an integral part of integrated water resources management. The role of drainage has to be communicated better in this broader perspective, both within and outside the drainage community. The drainage community has to stick out its neck to make the “invisible” visible. As a first step, 15 action plans have been formulated and the participants have committed themselves to these plans. “Drainage ambassadors for IWRM” should be appointed at international and national levels to get the drainage community more involved in the agenda setting of water policies. Long-term partnerships with all stakeholders are effective conduits for joint action to solve critical water management problems.”

***International Conference/
Consultation on ‘Small Scale
Irrigation Experiences in
Sub-Saharan Africa’,
November 2003, Burkina Faso***

Regional Association of Irrigation and Drainage in West and Central Africa (RAID-ARID) is a non-profit association of irrigation and drainage professionals established in 1996. The objective of RAID is to promote sustainable land and water use to increase agricultural production and achieve food security in West and Central Africa. RAID covers 23 countries in West and Central Africa viz. Benin, Burkina Faso, Cameroon, Cape Verde, Central Africa, Congo, Cote d’Ivoire, Gabon, Gambia, Ghana, Guinea, Bissau Guinea, Equatorial Guinea, Liberia, Mali, Mauritania, Niger, Nigeria,

Sao Tome, Senegal, Sierra Leone, Chad and Togo. Total irrigable land potential in these 23 countries was estimated as 14 million ha, of which only 2 million ha have been developed with full or partial water control.

An International Conference and Expert Consultation on “Small Scale Irrigation Experiences in Sub-Saharan Africa” is scheduled to be held at Ouagadougou, Burkina Faso on 10-12 November 2003. The objective of the workshop/consultation is to provide an opportunity to present experiences in the small-scale irrigation. The conference is jointly organized by Regional Association of Irrigation and Drainage (ARID), Inter-State School for Rural Engineering (EIER), and FAO. Participants are expected to present case studies on following different aspects of small-scale irrigation – (1) Water resources mobilization, (2) Water conveyance, (3) Water distribution, (4) Agronomical aspects, (5) Manufacturing and marketing of irrigation materials/equipment, and (6) Socio-economic aspects. There is no registration fee. Those interested to participate in the conference, please contact – ARID S/C EIER-ETSHER, 01 BP 594, Ouagadougou 01, Burkina Faso. Tel: +226 30 20 53, +226 30 71 16 Fax: +226 31 27 24, E-mail: arid@eieretsher.org, Website: www.eieretsher.org/arid.

***Forthcoming and Future
ICID Events***

International Workshop on Sustainable Development of Water Resources and Management and Operation of Participatory Irrigation Organizations, 10-12 November 2003, Taipei, Taiwan

The main topics of the workshop are - (1) Management and operation of participatory irrigation organizations, and (2) Sustainable water resources development. Abstracts of 81 papers from 14 countries have been received, so far. Technical tours will be organized. For more information, please contact - Prof. Yih-Chi Tan, Secretary General, Chinese Taipei Committee (CTCID), P.O. Box 23-161, Taipei City, 106, Taiwan. Tel: +886 2 2369 0342, Fax: +886 2 2363 9557, E-mail: yctan@ccms.ntu.edu.tw.

2nd Asian Regional Conference, 14-17 March 2004, Australia

The Australian National Committee (ANCID) is organizing a 2nd Asian Regional Conference on 14-17 March 2004 at Moama, NSW, Australia. Post conference

tours to 'snowy mountains to Canberra', 'Sunraysia in Victoria and Renmark and Berri in South Australia' are arranged. For registration and other details, please contact – ICID 2004 Conference Secretariat, Professional Conference Services, PO Box 2389, North Brighton VIC 3186, Australia. Tel: 613 9530 6777, Fax: 613 9530 6526, E-mail: services@profconferences.com, Website: www.icid2004.com or Mr. Stephen Mills, Chairman, ANCID stmills@cv.quik.com.au.

55th International Executive Council meeting, 5-11 September 2004, Moscow, Russia

The Russian National Committee (RUCID) will organize the 55th International Executive Council (IEC) meeting and an International Conference from 5-11 September 2004 at Moscow, Russia. The theme of the conference is "*Food Production and Water: Social and Economic Issues of Irrigation and Drainage*". The topics of the conference are:

- Question 1** : Role of irrigation and drainage in the strategy of development and maintenance of sustainable agro landscapes
- Question 2** : Present environmental and economic issues of irrigation and drainage development
- Special Session** : Scientific and research problems of irrigation and drainage development in the 21st century

RUCID is also arranging post-conference study tours. The last date for submission of abstract of papers to RUCID is 1 January 2004. For more details, please contact: Mr. I.G. Bondarik, Secretary General, RUCID, Bolshaya Akademicheskaya ul.44, VNIIGiM, Moscow, 127550 Russia. Tel./Fax: (7095) 153 94 06, E-mail: MoscowConfer2004@mail.ru, Conference2004@mail.ru, Rusiptrid@mail.ru.

International Workshop on Management of Poor Quality Waters for Irrigation, September 2004, Moscow

ICID Work Team on Use of Poor Quality Water for Irrigation (WT-PQW) is organizing an International Workshop on Management of Poor Quality Waters for Irrigation: Institutional, Health & Environmental Aspects as a part of 55th IEC in September 2004 in Moscow. The workshop will be co-organized by - IWMI, RUCID, British National

Committee (BNC-ICID), The Netherlands National Committee (NETHCID), CIGR, CIHEAM/ MAI-B, and Biosaline Agriculture Centre (BAC), Dubai.

The workshop will bring together experts from all over the world to discuss – planning and institutional aspects, health related issues, environmental impacts, cost effectiveness, suitability of the existing guidelines issued by the international organizations in the light of the new technologies, experiences gained from different countries, and on-farm management.

The last date for submission of abstracts of papers is **1 December 2003**. Abstracts should be limited to 600 words. They should concisely state the objectives, methodology and the main results of the work. Papers will be selected on the basis of suitability and quality. Please submit the abstract(s) to Dr. R. Ragab, Centre for ecology and Hydrology, Wallingford, Oxon, OX10 8BB, UK, Tel: +44 1491 692303, E-mail: Rag@ceh.ac.uk.

International Workshop on Water Harvesting and Sustainable Agriculture, 7 September 2004, Moscow, Russia

According to an estimate by the UN, there are about 5.2 billion hectares of dryland that are used for crop production around the world. Millions of people live in such areas and their livelihood and welfare is mainly dependent on the extent that rainwater is properly used, particularly for crop production. As such, attempts to improve water productivity in these areas can serve many countries around the globe; particularly the developing and needy ones facing water scarcity. The main objectives of the workshop are:

- To exchange experiences gained in different countries and environments on planning and evaluation of water harvesting techniques;
- To provide a forum for improved design and management of water harvesting for sustainable crop production under water scarcity conditions.

The workshop will concentrate on runoff farming systems and cover the three main water harvesting categories (on-farm micro-catchment water harvesting systems; off-farm macro-catchment water harvesting systems and floodwater harvesting systems). The workshop will be held on 7 September 2004 in Moscow, Russia, during the 55th meeting of the International Executive Council (IEC) of the ICID. The workshop will be organized jointly by – ICID Working Group on Irrigated Agriculture under Drought

and Water Scarcity (WG-IADWS), Working Group on Sustainable Use of Natural Resources for Crop Production (WG-CROP), and FAO Land and Water Development Division and Regional Office for the Near East.

Prospective authors are invited to submit abstracts of papers by **30 November 2003**. Abstract should be limited to 600 words outlining the objectives, methodology and the main results of the work. Please submit the abstract to Dr. S. Nairizi, No.24, Shahrzaz Lane, Kargozar St., Zafar Avenue, Tehran, Iran. Tel: +982 1 2257348, Facsimile: +982 1 2272285, E-mail: s.nairizi@tooss-ab.com.

7th Inter-Regional Conference on Environment-Water on “Land and Water Management: Decision Tools and Practices”, 11-14 October 2004, Beijing, China.

The main topics of the conference are – (1) Water saving and water productivity, (2) Land use planning and management, (3) Soil erosion and conservation, (4) Water conservation and soil management, and (5) Salinity, water treatment and reuse, and contamination control. The deadline for submission of abstract of paper(s) and pre-registration is **15 December 2003**. For further information, consult the conference web page at <http://www.2004cigr.org/enviowater2004> or <http://www.cau.edu.cn/ciicta>. [Source: Communication received from Prof. L.S. Pereira, Vice President Hon., ICID, Chairman, Organizing Committee and President-elect CIGR]

1st African Regional Conference on Drainage (ARCOD), December 2004, Cairo

The First African Regional Conference on Drainage (ARCOD) will be held between 6-9 December 2004 at Cairo, Egypt. The main theme of the conference is “Drainage in Africa: Challenges and Opportunities for Enhancing Quality of Life” with five sub-topics viz. (1) Drainage needs and priorities in Africa, (2) Drainage technology, (3) Lessons learned from drainage projects, (4) Drainage and the environment, and (5) Human resources development and training needs. The conference is organized by Egyptian National Committee on Irrigation and Drainage (ENCID). Extended abstract of papers are invited from scientists and engineers on any of the conference topics so as to reach before **1 December 2003** to the Conference Secretariat c/o Dr. Mohamed Hassan Amer, Chairman, ENCID, Coastal Protection Building, Fum Ismailiya Canal, Shoubra El-Kheima 13411, Cairo, Egypt. Tel: (202) 4464505, Fax:

(202) 4464504, E-mail: arcod@encid.org.eg, Website: www.encid.org.eg/arcod. Concurrent with the conference, an exhibition by local and international companies working in the field of irrigation and drainage will be held. Facility of early registration with special discount is available. Post-Conference technical and cultural tours will also be arranged.

19th ICID Congress and 56th IEC Meeting, 11-19 September 2005, Beijing, China

19th ICID Congress and the 56th International Executive Council (IEC) meeting will be held from 11-19 September 2005 at Beijing, China. The theme of the Congress is “Use of Water and Land for Food and Environmental Sustainability”. The two Questions, and themes of a Special Session and a Symposium are as follows:

Question 52 : Improving Water and Land Management for Increasing Efficiency in Irrigated Agriculture

Question 53 : Harmonious Coexistence with Flood Water

Special Session : Legal and Institutional Challenges

Symposium : Water Quality/ Salinity Management

The last date for submission of abstract of the paper(s) for Special Session and Symposium is 1 August 2004 and for Congress Questions is 1 September 2004. For more details, please contact –Chinese National Committee on Irrigation and Drainage, No. 20 West Chegongzhuang Road, Beijing 100044, People’s Republic of China. Tel : +86 10 6841 5522 / 6841 6506; Fax : +86 10 6845 1169. E-mail : cncid@iwhr.com or National Organizing Committee, 19th ICID Congress and 56th IEC Meeting, Beijing 2005, China. Tel: 86 10 68415522 ext. 6506, Fax: 86 10 68457179, E-mail: Beijing2005@cncid.org

57th IEC, 3rd Asian Regional Conference, and 7th Micro Irrigation Congress, 10-17 September 2006, Kuala Lumpur, Malaysia

57th International Executive Council (IEC) meeting of ICID, 3rd Asian Regional Conference and 7th Micro Irrigation Congress will be held from 10-17 September 2006 at Kuala Lumpur, Malaysia. The Malaysian National Committee (MANCID) circulated the first preliminary announcement of these events at the 54th IEC held at Montpellier in September 2003. The sub-topics of the Asian Regional Conference are – (1) Holistic approach for increasing food

production under competitive water use scenario, (2) Irrigated agriculture for food, economic, social and environmental need, and (3) Integrated approach on sustainability of irrigated schemes; future challenge in food production. For more details, please contact: Mr. Mohd. Azhari bin Ghazalli, Secretary, MANCID, Irrigation and Agricultural Drainage Division, Department of Irrigation and Drainage, Jalan Sultan Salahuddin, 50626 Kuala Lumpur, Malaysia. Tel: +603 2692 8729, +603 2692 8912, Fax: +603 2694 5489, +603 2694 5489, E-mail: mancid@smtp.moa.my; jps96@pop.moa.my; jps02@pop.moa.my, Website: <http://agrolink.moa.my/did/mancid/>.

58th Meeting of International Executive Council (IEC) and Fourth International Conference on Irrigation and Drainage, 2007, Sacramento, California

For details, please contact: Mr. Larry D. Stephens, Executive Vice President, United States Committee on Irrigation and Drainage (USCID), 1616 Seventeenth Street, #483, Denver, Colorado 80202, USA. Telephone: 303-628-5430, Fax: 303-628-5431, E-mail: stephens@uscid.org, Website: www.uscid.org.

4th Asian Regional Conference on Participatory Irrigation Management, 2007, Tehran, Iran

For details, please contact: Iranian National Committee on Irrigation and Drainage (IRNCID), No.24 – Shahrsaz Lane, Kargozar St., Dastgerdi (Zafar) Ave., Tehran, Iran. Tel: +9821 2257348, Fax: +9821 2272285, E-mail: irncid@neda.net.ir, Website: <http://www.irncid.org>.

News in Brief

World Food Day/TeleFood 2003: International Alliance against Hunger: Each year on 16 October, the Food and Agriculture Organization (FAO) celebrates “World Food Day” in commemoration of its founding on that day in 1945. The World Food Day/ TeleFood theme for this year, is a call to action – to encourage all those concerned about the problem of hunger to join forces in a common effort.

In this time of adequate world food production it is unacceptable that more than 840 million people remain hungry. This year’s World Food Day theme- “International Alliance against Hunger”, will serve as a call for further action. Together, we must take the concept of a global

partnership and make it a reality, with a view to guaranteeing the world’s citizens a basic human right – to be free from hunger. For further information on World Food Day, please contact: FAO, E-mail: World-Food-Day@fao.org, Fax: +39 06 570 53210, Website: http://www.fao.org/wfd/index_en.asp.

World Population Awareness Week, October 2003:

During the past one hundred years, global population has tripled, but water consumption has increased six hundred percent. Humans currently consume 54% of the world’s available freshwater resources, and, at current population growth rates, are expected to be using 70% by 2025. However, if current per capital water consumption rates persist, our consumption could rise to well over 90% of available freshwater. According to the World Water Assessment Program (WWAP), at current rates, the average per capita supply of water will drop by one third by 2025.

The Population Institute, USA had launched in 1985 the World Population Awareness Week (WPAW) to highlight startling trends in world population and the need for action. This year’s WPAW will be observed from 20-25 October 2003 and is devoted to “Water: The 21st Century Crisis”. Majority of the people who lack access to improved water supply and sanitation live in developing countries where water worries are only compounded by population pressures, rapid urbanization, and infectious diseases. The World Population Institution has brought a manual on the eve of WPAW and is available on the website <http://population.newc.com/teampublish/>.

Mexico selected as the host country of the 4th World Water Forum:

The World Water Council (WWC), a cross-sectoral water policy think tank aiming to promote global water awareness at the highest political level, has announced the selection of Mexico as the venue of the 4th World Water Forum to be held in 2006. The World Water Forum (WWF) is an initiative of the WWC and is organized every three years. Earlier WWFs were held at Marrakech (1997), The Hague (2000), and recently at Kyoto (2003).

Change of Batons:

- **President Hon. Aly Shady is the new President of International Water Resources Association (IWRA):** Mr. Shady is an internationally acclaimed water engineering specialist. He has served with distinction the ICID, the WWC and the CIDA since 1980. He was President of ICID (1996-1999). Mr. Shady has received

several awards/ honours in recognition of his contributions to the public good and international community.

- **World Water Council (WWC) has appointed William J. Cosgrove as its new President.** Mr. Cosgrove is a member of WWC since its inception in 1996 and was Vice President of the Council over the last three years. Mr. Cosgrove has over 40 years of experience in Canada and in international institutions.

We heartily congratulate Pres. Hon. Aly Shady and Mr. W.J. Cosgrove for the honour.

Volvo Environment Prize 2004: Nominations are invited for the '2004 Volvo Environment Prize' from "persons who have made outstanding innovations or discoveries – scientific, socio-economic or technological- which have a direct or indirect significance in the environmental field and are of global or regional importance". The award amount is EUROS 160,000 and is awarded annually since 1990. For detailed information about the criteria etc., please visit www.environment-prize.com. Nominations must be submitted prior to **15 December 2003**.

Recent Books/Documents

Report in the shape of a CD-ROM on 18th ICID Congress on Irrigation and Drainage, July 2002, Montreal, Vol.II (2003) is recently released. The CD-ROM presents salient aspects and the outcome of the proceedings of the technical sessions – Questions 50 and 51, Special Session, Symposium, Seminar, Special Events, Feature Sessions, and Poster Sessions. It also contains keynote speeches of opening and closing ceremonies and report on study tours (Contact: The Secretary, Central Office, ICID, New Delhi, Fax: 0091 11 26115962, E-mail: icid@icid.org).

G. Cseko and L. Hayde, Editor-in-Chief (2003): Danube Valley: History of Irrigation, Drainage and Flood Control. This book is a recent publication of ICID and presents a chronological evolution of the history, art, science and technique of irrigation, drainage and flood management in the riparian countries of Danube river from the olden times to the period up to 1980 (Contact: The Secretary, Central Office, ICID, New Delhi, Fax: 0091 11 26115962, E-mail: icid@icid.org).

Pereira, LS, Cordery, I, Iacovides, I (2002): Coping with Water Scarcity. UNESCO IHP VI, Technical Documents

in Hydrology No.58, UNESCO, Paris, 267 p. (Available on line: <http://unesdoc.unesco.org/images/0012/001278/127846e.pdf>)

Herve Plusquellec (2002): How Design, Management and Policy Affect the Performance of Irrigation Projects: Emerging Modernization Procedures and Design Standards, FAO, Bangkok, Thailand (Available by contacting Thierry Facon, Water Management Officer, FAO Regional Office for Asia and the Pacific thierry.facon@fao.org)

Proceedings (CD-ROM) of the 9th International Drainage Workshop (IDW9) held at Utrecht, The Netherlands on 10-13 September 2003. Also presentations – Opening speech, Keynotes, Lunch presentations, Mind-sharpeners, and Special Sessions (Contact: Dr. W.F. Vlotman, E-mail: vlotman@worldonline.nl)

Proceedings of the Workshop “The Ever Lasting Fight Against Flooding” held at Montpellier in September 2003 (Contact: Dr. J. van Duivendijk, Chairman, WG-CAFM, E-mail: jvandui@telebyte.nl)

Proceedings of the Workshop on “Water Use and Environmental Conservation of the Tidal Areas” held at Montpellier in September 2003 (Contact: Dr. Park Sang Hyun, Chairman, WG-SDTA, E-mail: pshpark@karico.co.kr; pash3142@empal.com)

Chenini F, Huibers, FP, Agodzo SK, van Lier JB, Duran A (2003): Use of wastewater in irrigated agriculture: Country studies from Bolivia, Ghana and Tunisia (Volume 1, 2 and 3 respectively) (Available on line in pdf format <http://www.dow.wau.nl/iwe/> under the “collaborative projects”).

Kuroda, Masaharu (2003): Planning and Designing of Micro-Irrigation in Humid Regions, published jointly by Japanese National Committee (JNC-ICID), Japanese Institute of Irrigation and Drainage, and WG-ON-FARM (Contact: Mr. Naoki Hayashida, Secretary General, JNC-ICID, E-mail: naoki_hayashida@nm.maff.go.jp)

Malano, Hector (2003): Asset Management Procedures for Irrigation and Drainage Systems: Guidelines (Contact: Prof. Hector Malano, Australia, h.malano@devtech.unimelb.edu.au)



New Delhi, 15 October 2003



ICID's Country Policy Support Programme (CPSP) – III

Dear Friends,

The present column is the third part of the awareness series on CPSP. After I wrote for the second part, a brain-storming session was held in New Delhi to test the development work done for the new model evolved by the study teams for the basin studies and for their extrapolation to country level to account for all the river basins. I owe an explanation to you, about the genesis of the new concept.

A country's policy is based on present status of adequacy or otherwise for fresh-water availability, its development, use and management on river basin level and where variability is large, also on the basis of inter-basin transfer. A right policy requires correct assessments of basin-wide and national water balance. A policy support programme must therefore be based on such quantification. The CPSP sought assessment for two sample basins each in China and India, for extrapolation to national level, in order to enable identification of interventions in the policy.

For a river-basin level water balance study, traditionally, renewable dependable run-off (accounting for both surface and ground-waters) is considered as the resource on supply side; while the diversions / abstractions are aggregated to quantify the demand side. Double accounting due to deficient assessments of regeneration, reuse, surface / groundwater interplay and flow to sinks cause anomalies in the balance computation. Secondly, amongst the three main sectors, better accounting is available in food sector, in particular for irrigation. But for rain-fed agriculture and nature sectors, which contribute to consumptive use significantly, little if any, quantification exists. In case of the people sector, which is largely non-consumptive in nature, still less quantification of 'consumption' is available. It was seen during the '2000 Vision Exercise' that claims for additional allocation of water for 'people and nature'

sectors by diversion from irrigation sector often ran into opposition in absence of such assessments. The claims therefore remained qualitative. It was necessary to adopt a more rational approach when claims of the three sectors were to be integrated.

The Central study team for CPSP therefore decided to adopt different parameters for supply and demand side quantification. The supply side was related to 'precipitation' as a resource; while the demand side was related to land-use based consumptive use through 'evapo-transpiration' (ET) processes. Such assessment resulted into possibly, for the first time, more realistic quantification. It indicated the path to be taken for integration of demand needs for the three sectors, so that the development became sustainable. During these assessments, it became apparent that the nature sector ignored the ET consumption by terrestrial eco-systems, concentrating only on aquatic ones which did not need supply for consumption, but non-consumptive flow for habitat of flora and fauna. This was possibly so, because the researchers were from a part of the world where aquatic eco-systems were dominant, as compared to ones in tropical countries, where more than 90% basin area had terrestrial needs and because aquatic eco-systems occupied a small proportion of a basin. The CPSP studies are thus now closer to reality. These issues will be brought out clearly in the National Consultations, which are planned during November 2003. Hope you keep track of them through our website. Otherwise you have to wait for the 4th installment of this series.

Yours sincerely,

C.D. Thatte.
Secretary General, ICID.

International Commission on Irrigation and Drainage

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*Flash!!****ICID Text Delivery Service (TDS) on new Z-Server****Flash!!*

The objective of the TDS is to facilitate exchange of information on irrigation and drainage related literature amongst all professionals at large, including IPTRID Network Countries and ICID member countries. The Service provides literature, which also includes extensive ICID Library publications catalogue in electronic format for online searching through keywords, author, and title etc. The TDS will facilitate the exchange of information on irrigation and drainage amongst the ICID fraternity, centres of excellence in specified subject fields, UN agencies, international organisations, and all interested professionals globally. Internet technology was considered for connectivity and ICID Central Office decided to operate its TDS through a dedicated webserver for information exchange. The ICID website will also store all information such as available library catalogue for on-line searching, images, audio and video files etc.

The TDS operationalised by the ICID Central Office has completed 3 years of its successful functioning. The TDS database now consists of 3348 articles for online viewing and downloading, besides about 31,000 abstracts of ICID library holdings. This includes ICID Congress Transactions starting from 10th ICID Congress, Athens and articles published in Irrigation and Drainage journals. With the publicity in ICID Newsletters, News Updates, Bulletins of IPTRID, and GRID editions more and more professionals are visiting the TDS section and making use of this online facility.

To make the TDS online function more user-friendly, ICID Central Office has come up with a new software. It is an attempt to integrate various libraries/information centres, and online educational and informational resources into a centrally managed environment for accessing high quality assured information resources. The architecture for the new software involves aggregating different services via Z39.50 server. The end user would interact with a portal, which would bring together different resources into an integrated web-based user interface. Important features of the new software are :

- Databases with similar goals can be integrated at one place.
- Supports Unimarc format, a popular format among library community.
- The software can accommodate all the popular search fields of Unimarc with the Boolean function.
- Various types of material like books, journals, maps, computer files, CDs, videos, etc. can be catalogued in the database.
- Supports multiple languages.
- Cross platform support. The entire software is written in Java and therefore it runs on all the common platforms like Windows, Linux and Unix.

TDS Database Corner - August-September 2003

New additions to ICID's TDS Database are:

Article Section - 149 additions, viz. (i) Trans. 10th Congress on Irrigation and Drainage, Athens, 1978, Vol. V; (ii) Water Policy, 2002, Vol. 4, No. 5; (iii) Indian Journal of Environmental Health, October 2002, Vol. 44, No. 4; (iv) Journal of Hydraulic Research, IAHR, 2002, Vol. 40, No. 2; (v) Water International, IWRA, March 2002, Vol. 27, No. 1; (vi) Modernization of Water Management - Technological and Institutional Improvement in Irrigation and Drainage: Proc. Seventh Netherlands National ICID Symposium, Nijmegen, The Netherlands, 4 April 2002; (vii) Irrigation and Drainage - The journal of the International Commission on Irrigation and Drainage, September 2003, Vol. 52, No. 3; (viii) International Water & Irrigation, 2003, Vol. 23, No. 2; (ix) WMO Bulletin, July 2002, Vol. 51, No. 3; and (x) Hydropower & Dams, 2002, Vol. 9, No. 3, up-to-date tally 3348; **Book Section** - 37 additions; up-to-date tally 29793.

Professionals and students are encouraged to access the Text Delivery Service (TDS) database by visiting ICID website and to send in requests for supply of desired literature.

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Forthcoming water related events

International Conference on 'Water for the Poorest', 4-5 November 2003, Stavanger, Norway. The conference is supported by The Norwegian Ministry of Foreign Affairs and will be held on 4-5 November 2003 in Stavanger, Norway. For details, please contact – The International Water Academy, PB 352 Sentrum, N-4002 Stavanger, Norway. Tel: +47 51 51 03 73/ 83, Fax: +47 51 51 03 71, E-mail: stavanger@thewateracademy.org.

Future Workshops and Conferences of United States Committee on Irrigation and Drainage (USCID)

- Workshop on Applying the ASCE Standardized Reference Evapotranspiration Equations (in cooperation

with Irrigation Association), 17 November 2003, San Diego, California

- Workshop on Application of Technology to Water Measurement and Management, 25-26 February 2004, Scottsdale, Arizona
- Conference on Water Rights and Related Water Supply Issues, 13-16 October 2004, Salt Lake City, Utah

For more details, please contact: Mr. Larry D. Stephens, Executive Vice President, USCID, 1616 Seventeenth Street, #483, Denver, Colorado 80202, USA. Telephone: 303-628-5430, Fax: 303-628-5431, E-mail: stephens@uscid.org, Website: www.uscid.org.

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