

News Update

Managing water for sustainable agriculture

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October 2011



INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID)

Dear Friends,

The **Updates on 62nd IEC and 21st Congress** as received from Iranian National Committee, will be of interest and hence placed below.

I look forward to receiving you in Tehran. For those of you who could not join us in Iran next week, we will be providing 'Web Updates'.

Best Regards

M. Gopalakrishnan
Secretary General

The organizing committee of IRNCID for Tehran Congress is eagerly waiting to welcome all delegates to Tehran.

Important Notifications

- All honorable participants in the 21st ICID Congress on Irrigation and Drainage, 62nd IEC Meeting, and 8th International Micro-Irrigation Congress to be held during 15-23 October 2011 at Tehran, Iran are requested to fill-in the the form indicating information on flight, airport and hotel accommodation and send it to IRNCID secretariat address: icid.congress@gmail.com to facilitate arrival of the participants.
- Please note that Enghelab (4 Star hotel) has been fully booked for the period of ICID event in Tehran. Participants may send their reservation requests for Esteghlal, a 5 star hotel. Further information on the Accommodation is available at the Congress website.
- All author delegates are requested to submit their presentations to Congress Secretariat on or before 18 October 2011.
- Limited space still available for National Committee Display. National Committees must contact Congress Secretariat immediately to reserve the space.

Record Number of Participants expected for Tehran Events

Record number of participants are expected for the Tehran events of ICID -- 21st ICID Congress, 8th International Micro-irrigation Congress and 62nd IEC Meeting which will be commencing on this coming Saturday at the IRIB International Conference Center (IICC), Tehran.

The total number of registered delegates attending these events until this time, has

reached 1100 already – 400 foreign delegates and 700 local participants

The total numbers of abstracts submitted to Tehran Congress were 470. Out of these, 244 full papers have been accepted for 21st Congress. In addition, 55 papers have been accepted for Micro-irrigation Congress.

Special dignitaries attending these important events are – Hon'ble Minister of Water Resources and Parliamentary Affairs, Government of India, Hon'ble Deputy Minister of Water from Uzbekistan, Hon'ble Vice Minister of Water from China, Hon'ble Minister of Agriculture from Nigeria; besides head of international organizations like President, World Water Council; Head, African Development Bank and Senior Executives of FAO.

Some important side events organized during the Congress are -- FAO Session on 'Investment in North Africa'; Australian Special Session, FAO-ICID Special Session and the Young Professionals meeting.

There are also 2 technical tours to Mazandaran Province on the north of Iran, and Khuzestan on the south of Iran. There is also a planned recreational tour to the historic cities of Isfahan and Shiraz.

In addition to the above, dinner parties will be hosted by Australian NC (in Esteqlal Hotel), Turkish NC (in Espinas Hotel), and Chinese NC (in Saadabad Palace). Welcome reception will be held on 18 October whereas farewell dinner and cultural show will be held on 22 October 2011.

The Organizing Committee has arranged a complimentary recreational tour for visiting delegates to interesting historic monuments in Tehran as well.

For the latest information about the Congress, kindly visit the Congress website: <http://www.icid2011.org>

News from National Committees

IRNCID (Iran)

Mr. Mehrzad Ehsani, Secretary of IRNCID has been promoted as the Director General on Operation of Irrigation Structures in Iran Water Resources Management Company affiliated to the Ministry of Energy. As Secretary of IRNCID, Mr. Ehsani is well-known to all being an active member of ICID Working Group on Water Saving for Agriculture.

ICID fraternity felicitates Mr. Ehsani on this occasion and look forward to his greater involvement in ICID activities. [Source: IRNCID]

USCID (USA)

The United States Committee on Irrigation and Drainage (USCID) - Board of Directors at its recent meeting held in Mesa, Arizona has elected Mr. Jerrold D. Gregg as President and Mr. Luis A. Garcia as Vice President of USCID. ICID fraternity congratulates Mr. Gregg and Mr. Garcia on their election to the important positions of President and Vice President of USCID, respectively and looks forward to their support to its mission and operation.

We also use this occasion to thank outgoing Office Bearers of USCID VPH

Dr. Mark Svendsen, who served USCID for the last seven years as its President and Dr. James E. Ayars for their enriching contributions to ICID as well as USCID activities and look forward to their continued support in future as well.

President Chandra Madramootoo visits Central Office

President Prof. Dr. Chandra Madramootoo paid a customary visit to ICID Central Office on 19 September 2011 on his way to attend an ICRISAT Board meeting in Hyderabad, India. President Madramootoo was received by Secretary General Gopalakrishnan and later he was given a touching



farewell by ICID Central Office staff as President, ICID

Utilizing the opportunity, President Madramootoo visited Ministry of Water Resources, Govt. of India with Mr. R.C. Jha, Chairman, Central Water Commission (CWC), Govt. of India and Chairman, INCID and Vice President Er. A.K. Bajaj. Secretary, Ministry of Water Resources (MoWR), Govt. of India and Secretary General were also present on the occasion.

Russian delegation visits Central Office

The delegation of National Committee of the Russian Federation on Irrigation and Drainage (RuCID) from the Ministry of



Agriculture of the Russian Federation comprising of Mr. S.N. Goriachev, Meliovodin, FSI Director, and Dr. Mrs. Irene G. Bondarik, Secretary General, RuCID visited Central Office on Friday, 30 September 2011.

The visiting delegation held discussions with Secretary General Gopalakrishnan and Central Office Professionals. The delegation presented a concept note on the "Arable Land Amelioration in Russia till 2020".

The discussions touched upon a few interesting aspects to ICID community.

1. Arable land amelioration in the Russian Federation is of interest in both Russia and among the international community under ICID auspices. The scheme will involve new technologies to further develop irrigation and drainage all over the world.
2. It was felt that setting up a working team of international experts in main trends of ICID activities to facilitate introduction of innovative amelioration methods in the regions of priority in the Russian Federation will be useful. There will be preliminary consultations about the working team formation during the 62nd ICID Executive Council Meeting (Teheran, Iran, 15-23 October 2011). Schedule the first meeting of the working team for mid-November 2011.
3. A meeting between the Minister of Agriculture of the Russian Federation and the President of the International Commission for Irrigation and Drainage to discuss and sign the Memorandum on cooperation in implementation of the "Arable Land Amelioration in Russia till 2020" federal scheme will be worked out in Moscow in November 2011.
4. Efforts to agree on the subjects of the 12th International Drainage Seminar (Saint-Petersburg, 2014) related to reconstruction and restoration of drainage systems in the Russian Federation will also be made in November 2011.

On conclusion of the talks, an agreement was signed between both the parties



outlining future goals including the 12th International Drainage Workshop in St. Petersburg in 2014.

Sustainable Intensification of Agriculture in Africa

(free access to Journal Special Issue)

All professionals agree that food production will have to increase substantially this century to meet the future challenges and demands in the global food system. But there are very different views about how this should best be achieved.

New Additions to ICID's TDS Database (September 2011)

The additions during the months to the TDS Database are:

Article Section – 47 additions (Articles / Papers)

- (i) Hydropower & Dams, 2011, Vol. 18, No. 4 (6 articles)
- (ii) Journal of Indian Association for Environmental Management, February 2010, Vol. 37, No. 1 (5 articles)
- (iii) Journal of Hydraulic Research, 2011, Vol. 49, No. 4 (14 articles)
- (iv) World Water, May/June 2011, Vol. 34, No. 3 (3 articles)
- (v) Water & Energy International, July 2011, Vol. 68, No. 7 (3 articles)
- (vi) Lakes & Reservoirs – Research and Management, June 2011, Vol. 16, No. 2 (7 articles)
- (vii) Journal of Environmental Science & Engineering, January 2011, Vol. 53, No. 1 (9 articles)

Book Section – 14 additions; till date 31870 additions have been made to TDS database. The Text Delivery Service (TDS) has received three requests during the period from Canada and India.

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

Sustainable agricultural intensification is defined as producing more output from the same area of land while reducing the negative environmental impacts, and at the same time improving natural resources and the flow of environmental services.

The UK Government Office of Science Foresight project on Global Food and Farming Futures commissioned 40 case studies of existing projects from 20 countries of Africa where sustainable intensification had been developed, promoted or practiced during the last ten years.

A total of 30 of these cases are now available in a special issue of the International Journal of Agricultural Sustainability. All the papers in the special issue are available free at <<http://www.ingentaconnect.com/content/earthscan/ijas/2011/00000009/00000001>>. Further details about the project can be found on the Foresight website <http://www.bis.gov.uk/foresight> or contact the BIS press office (E-mail: sally.catmull@bis.gsi.gov.uk).

FAO-IRNCID Meeting

Dr. Koohafkan, Director of FAO Soil and Water Division, conferred with H.E. M. R. Attarzadeh, Deputy Minister of Energy for Water and Wastewater Affairs, and Chairman of IRNCID; Secretary General S.A. Assadollahi and certain IRNCID senior members in July 2011. During the meeting, the Project of Investment on Soil and Water Sector in sub-regions of Iraq, Iran, Jordan, Lebanon, Syria, and Turkey were highlighted. IRNCID proposed that I.R. Iran host the Middle-East Region Meeting on the above-mentioned project after Tehran Congress in October 2011.

In this meeting, M. R. Attarzadeh outlined the following as the potential cases of FAO-IRNCID cooperation:

- Desiccation of Marshlands and Lakes in Iran;
- Iran Project for Development of Irrigation and Drainage Systems;
- Precipitation Management for the Agricultural Products.

Launching of IPTRID Nodal Centre in Tehran

The spontaneous response to the President's call for revamping and invigorating the Programme on technology research in irrigation and drainage came from IRNCID with their coming forward to sign a MoU with ICID during the Golden Jubilee in December 2009 in New Delhi. The seeds for the initiative that were sown in 60th IEC got nurtured further during the 61st IEC meeting in Yogyakarta, when the new approach could be firmed up and given some shape.

During the 61st IEC, the Council firmed up an outline that (i) the driving force for the new Programme would be ICID International Executive Council and its members i.e., the ICID National Committees (ii) the programme itself would essentially be supported by the National Committees of ICID and emerge as their own; NCs will twin with other National Committees of their choice or preference and also keep in view any of the existing or new programmes that are bilateral or multi lateral envisaging "cross country" cooperation in I&D Sector. (iii) the strong NCs in ICID fold with a lot of inherent technology strength could, to begin with, start research and development of technology in areas of their interest or concern or strength, twinning with another country or countries of their choice to make it regional or global and that (iv) NCs to

nurture the new IPTRID as their own with a sense of possessiveness. The dependence on donor supported and donor driven was put on a lower pedestal, collectively by our member national committees. It was hoped that a series of regional nodes would emerge out of this initiative in the times ahead.

I am extremely glad that in full compliance of the Memorandum of Understanding (MoU) signed with ICID in December 2009, IPTRID nodal centre for Central Asia and Middle East will be launched in Tehran with the significant efforts of IRNCID and the generous support of the Iranian Government. ICID fraternity available during the occasion on 16 October 2011 at Tehran are cordially invited to join the launching ceremony and encourage the new invigorated research efforts in irrigation and drainage technology.

Given Iran's rich history and expertise in irrigation and drainage, ICID fraternity fondly hopes that a lot would be getting achieved with the desired momentum in the technology research. This indeed is a dire necessity if we are to succeed in effectively addressing the food security challenges amidst several external drivers.



Dr. Koohafkan declared that FAO shall certainly support the 21st ICID Congress in Tehran 2011 and proposed that Iran can further participate in implementation of the Research Project on Aridity Problems and Dust Phenomena in the large Watershed of Tigris and Euphrates.

By the same token, the Ministry of Energy shall confer this proposal with I.R. Iran Jihad-Agriculture Ministry for

Bilateral Cooperation. Mr. Assadollahi, Secretary General, IRNCID added that Iran's objective on this project is only to solve the problem of dust phenomena without any tension in the region.

It was also confirmed that Tehran-2011 events will have a sub-session on 'Project of Investment in Water and Energy Sector of African Countries' (to be held on 21 October 2011) in cooperation with FAO.

Forthcoming Events

ICID Events

The 21st Congress, 62nd IEC and 8th International Micro Irrigation Congress of ICID, 15-23 October 2011, Tehran, Iran. For details of Congress, please access Congress website <<http://www.icid2011.org>>.

3rd African Regional Conference, 29 November to 05 December 2011 at Bamako, Mali. Contact: Dr. Adama SANGARE, Secretary General, AMID, Tel:+22366740894 Fax: +22320284883 and E-mail:a.sangare@betico.net. For details of Conference, please access their website <<http://www.amid-mali.org>>.

11th International Drainage Workshop (IDW), 23-27 September 2012, Cairo, Egypt. Contact: Dr. M. H. Amer, Vice President Hon., ICID and Chair, Egyptian National Committee on Irrigation and Drainage (ENCID), Shore Protection Building, Ministry of Water Resources and Irrigation, Fum Ismailia Canal, Shoubra El-Khima, Cairo, Egypt. Tel: +20 2 4464626/+20 2 4464505; Fax: +20 2 4464504, E-mail: encid@link.com.eg

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), VNIIGiM, Room 601B, B. Akademicheskaya ul. 44, 127550, Moscow, Russia. Tel/Fax: +7 095 153 94 06, E-mail: ibond@online.ru, rusiptrid@mail.ru

22nd Congress, 65th IEC, 2014, Republic of Korea. Contact: Dr. Jin- Hoon JO, Secretary General, Korean National Committee on Irrigation and Drainage (KCID), 1031-7 Sa-dong, Sangnok-gu, Ansan-Si, Gyeonggi-do 425-170, Republic of Korea. Tel: +82 31 400 1755/1758, +82 31 400 1759, Fax: +82 31 406 7278, E-mail: kcidkr@gmail.com, kcid@ekr.or.kr

Other Events

6th International Conference on Irrigation and Drainage, 15-18 November 2011, San Diego, California. Details are available on the **USCID website <www.uscid.org>**. Contact: Mr. Larry Stephens, Executive Vice President, USCID at stephens@uscid.org

2nd Arab Water Forum on the Theme "Living with Water Scarcity", 20-23 November 2011, Cairo, Egypt. For more information, contact: Arab Water Council, 9 Al-Mokhayam Al-Dayem St., Nasr City, Cairo, Egypt. Tel: +2 02 2402 3253 – 24023276, Fax: +2 02 2260 0218, E-Mail: awf@arabwatercouncil.org, AWC Website: <www.arabwatercouncil.org>, AWF Website: <www.arabwaterforum.com> or <www.arabwaterforum.org>

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

- Papers are available in easy to read PDF format
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- EarlyView service provides papers online as soon as they have been accepted for publication, which can be several months earlier than the papers published in print
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A. Narayanamoorthy

Development and composition of irrigation in India: Temporal trends and regional patterns

Nabeel M. Malash, Timothy J. Flowers and Ragab Ragab

Plant–water relations, growth and productivity of tomato irrigated by different methods with saline and non-saline water

Zahra Paydar, Freeman Cook, Emmanuel Xevi and Keith Bristow

An overview of irrigation mosaics

Qiuxiang Jiang, Qiang Fu and Zilong Wang

Delineating site-specific irrigation management zones

Ahmed AL-Busaidi, Tahei Yamamoto, Torahiko Tanigawa and Hayder Abdel Rahman

Use of zeolite to alleviate water stress on subsurface drip irrigated barley under hot environments

Md. Reaz Akter Mullick, Mukand S Babel and Sylvain R Perret

Discharge-based economic valuation of irrigation water: Evidence from the Teesta River, Bangladesh

Jan Pivec, Václav Brant, David Becka and Pavel Cihlár

Consumptive use of water in Brassica napus L. from flowering to ripening stage under rainless region conditions

S. Metin Sezen, Attila Yazar and Servet Tekin

Effects of partial root zone drying and deficit irrigation on yield and oil quality of sunflower in a Mediterranean environment

M.L. Ndiaye, S. Niang, H.-R. Pfeifer, R. Peduzzi, M. Tonolla and Y. Dieng

Effect of irrigation water and processing on the microbial quality of lettuces produced and sold on markets in Dakar (Senegal)

Borut Gosar and Dea Baricevic

Incorporation of a ridge–furrow–ridge rainwater harvesting system with mulches in high-value plant production

Kittiwet Kuntiyawichai, Bart Schultz, Stefan Uhlenbrook, F. X. Suryadi and A. Van Griensven

Comparison of flood management options for the Yang River Basin, Thailand

Giuseppe De Martino, Francesco De Paola, Nicola Fontana, Gustavo Marini and Antonio Ranucci

Preliminary design of combined sewer overflows and stormwater tanks in Southern Italy

Swati Pandey, Manoj Kumar, Soubhik Chakraborty and N. C. Mahanti

Analysing the Variability of Rainfall for Drought Prognosis in Jharkhand State: A Statistical Approach

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; DTP : K.D. Tanwar, Central Office

62nd IEC Meeting & 21st ICID Congress on Irrigation and Drainage Program at a Glance, 15-23 October 2011, Tehran, Iran

Day/Date	Saturday 15 October 09.00-17.00	Sunday 16 October 09.00-12.30 / 13.30-17.00	Monday 17 October 09.00-12.30 / 13.30-17.00	Tuesday 18 October 09.00-12.30 / 13.30-17.00	Wednesday 19 October 09.00-12.30 / 13.30-17.00	Thursday 20 October 09.00-12.30 / 13.30-17.00	Friday 21 October 09.00-12.30 / 13.30-17.00	Saturday 22 October 09.00-12.30 / 13.30-17.00	Sunday 23 October 09.00-12.30 / 13.30-17.00	Monday 24 October 09.00-17.00
Theme 'Knowledge'	REGISTRATION	REGISTRATION	REGISTRATION	REGISTRATION	REGISTRATION	EXHIBITION (1)	EXHIBITION (2)	EXHIBITION (3)	EXHIBITION (4)	Start of Technical and Post-conference Tours
Theme 'Basin'	WG-HST / Seminar	WG-T RUE	Interdisciplinary on-TRID	C-PR&P	Opening Ceremony	Q 56 Q 56.1 (I) Q 56.2 (II) Q 56.3,4 (III) Q 56.5 (II)	Keynote Speech (President Chandra Madaramootoo) 8 th IMC (I) 8 th IMC (II) 8 th IMC (II)	INTERNATIONAL EXECUTIVE COUNCIL (IEC)		
Theme 'System'										
Theme 'On-Farm'										
RWGs	WG-BIO-ENERGY WG-ENV WG-DRG WG-SDTA and WS WG-CLIMATE WG-POVERTY MIDG WG-ON-FARM	WG-DROUGHT WG-ON-FARM	WG-CAFI WG-MIS WG-PGW WG-CROP	WG-WATS WG-CROP	N.D. Gulhati Memorial Lecture	Combined Q 57	PCTA			
Task Forces	WG-YFF TF-BIO-ENERGY TF-SEDIMENTATION	ASRWG WG-IDSST	ERWG AFRWG / ST-LCB	PCSO						
Side Meetings		TF-FIN and WS Mtg. NCs-CBs (08.00-09.00) Mtg. NCs-VPs (17.00-18.00) SS for VPE (15.00-1600)	TF-WWFS TF-WWFS Special Session on Water for Food Security with FAO	TF-WWFS TF-WWFS Special Session on Water for Food Security with FAO	SS on Modernization					
Workshops/Seminars/Special Sessions		PFC								
Receptions				Welcomes Reception (19.00-21.00)	Chinese Night (19.00-21.00)	Turkish Night (19.00-21.00)	Australian Reception (19.00-21.00)	Australian Reception (19.00-21.00)	Farwell Dinner and Cultural Show (18.30-22.00)	

PCEO Workbooks
 PCTA Workbooks
 Task Forces
 Workshop/Seminars/Special Sessions
 8th Int. Micro Irrigation Congress
 21st Int. Congress on Irrigation & Drainage
 Side Meetings

Tea/Coffee Breaks: 11.00-11.30 hours and 15.15-15.45 hours; **Lunch:** 12.30-13.30 hours
 * Maiden meeting of the Group to consider setting a Workbody on WG (MDG-1)
 **Suiting the convenience of Chair, MT-Journal & EB-JOUR