

Irrigation and Drainage

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Multilingual Technical Dictionary (MTD) on Irrigation and Drainage

Publisher: ICID Central Office; January 2010; ISBN: 81-89610-16-3;
Price: ICID Members and Booksellers: US\$ 30;
Non-members: US\$ 10

The first CD-ROM version of the Dictionary was published in the year 2000. With updated software and more option facilities, the 4th edition of the MTD (English-French) was brought out on CD-ROM in the year 2002. The 5th revised edition of the MTD, incorporating three additional languages, viz., Chinese, Japanese and Russian, besides English and French was brought out CD-ROM in January 2010.



Synthesis Report: Topic 2.3 – Water and Food for Ending Poverty and Hunger, 5th World Water Forum

Publisher: ICID; December 2009; Paper bound; pp 40 and CD-ROM; Price: US\$ 10 (Handling Charges)

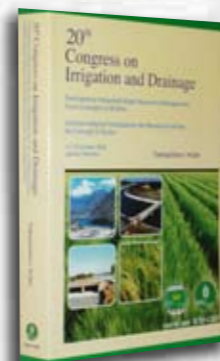
This synthesis paper contains the information about Topic 2.3 'Water and Food for Ending Poverty and Hunger' coordinated by ICID at the 5th World Water Forum held at Istanbul in March 2009. It includes the key issues of Theme 2: 'Advancing Human Development and the Millennium Development Goals (MDG)', the key questions of Topic 2.3, and overall conclusions and recommendations on the topic. The accompanying CD-ROM contains the full synthesis report with detailed information on the sessions, presentations and the consortium.



Transactions – 20th ICID Congress

Edited by ICID, October 2008, ISBN: 81-89610-13-9; 81-89610-14-7
Price: ICID Members and Booksellers US\$117; Non-Member US\$ 232

ICID's 20th International Congress on Irrigation and Drainage was held in October 2008 at Lahore, Pakistan on the theme 'Participatory Integrated Water Resource Management – From Concepts to Actions'. The pre-Congress proceedings in hard copy contains all the 'abstracts' of accepted technical papers together with its French translation (abstract) and their full text published in a CD-ROM. Main topics were Question 54: Sustainable Integrated Water Resources Management; Question 55: Role of Public and Private Sectors in Water Resources Development and Management; Special Session: Implication of Global Changes on Irrigation and Drainage System Development and Management; Symposium: Integrated Water Management in the River Basin Context; and Seminar: Lessons to Learn from the History of Water Management in Large River Basins and Drought.



Water Saving in Agriculture

Author: ICID
October 2008; Paper bound; 91 pp; ISBN: 81-89610-08-2
Price: ICID Members and Booksellers: US\$ 20;
Non- Members: US\$ 40

ICID initiated a WatSave Program through its "The Hague Declaration" in 1993 with the objective of promoting successful water saving/ conservation practices in agriculture among member countries. Subsequently, in 1997 WatSave Awards were instituted to recognize outstanding contributions to water savings across the world. This publication is a compilation of successful water saving experiences/ initiatives, tools and research studies contributed by the past WatSave Award winners as well as by select experts from Australia, Brazil, China, India, Egypt, South Korea, Pakistan, South Africa, Spain, The Netherlands, Turkmenistan, UK and USA.



Manual for Performance Evaluation of Sprinkler and Drip Irrigation Systems in Different Agro-Climatic Regions of the World

Author: Graziano Ghinassi (Italy)
October 2008; Paper bound; 119 pp; ISBN: 81-89610-11-2
Price: ICID Members and Booksellers: US\$ 20; Non-Members: US\$ 40

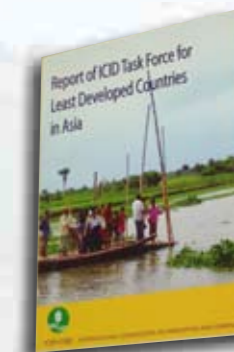
Worldwide the use of sprinkler and micro irrigation methods have been steadily increasing to cope up with water scarcity and also for the efficient use of other inputs like fertilizers and energy, besides increasing crop yields. Nevertheless, pressurized irrigation methods should not be considered as panacea for improving on-farm water management. It is essential to carry out periodic diagnostic analysis and performance evaluation of the systems to ensure their optimal operation. This manual is authored by Graziano Ghinassi from Italy and provides comprehensive information on both theoretical and practical aspects of various performance indicators and field evaluation techniques of drip and sprinkler irrigation systems, besides some case studies from various countries.



Report of ICID Task Force for Least Developed Countries in Asia

Author: ICID
August 2008; Paper bound; 146 pp; ISBN: 81-89610-12-0;
Price: US\$ 10 (Handling Charges)

Of the world's 50 Least Developed Countries (LDCs), 15 are located in Asia and remaining are in Africa and South America. Development and management of irrigation, drainage and flood control play a key role in poverty eradication and increasing the productivity of agriculture in LDCs. ICID in 2003 established a Task Force for Least Developed Countries in Asia (TF-LDCs-AS) to investigate the problems and needs of LDCs and to identify the priority issues that need to be addressed for their development. It was found that the LDCs are facing problems like – capital shortage, poor governance, limited capacity to service financial borrowings, inadequate legal systems, and underdeveloped farmer organizations.



CD-ROM Version of Task Force Reports – An ICID input to WWF 3 and 4

Author: ICID; August 2007
Price: US\$ 10 (Handling Charges)

After the 2nd World Water Forum held at The Hague in 2000, ICID adopted a strategy for implementing its concerns emanating from the vision document for presentation at the 3rd World Water Forum held in 2003, Japan.

In line with the recommendations of Strategy Theme on Policy, ICID set up various Task Forces (TFs). These TFs include 'Developing a Position Paper on Global Issues related to Food Production, Security and Food Trade', and 'Socio-Economic Sustainability of Services Provided by Irrigation, Drainage and Flood Schemes in Water Resources Sector'. Later two more TFs on 'Benchmarking of Irrigation and Drainage Projects' and 'Promoting Appropriate Decision-making Procedures for New Dams, particularly for Irrigation, Drainage and Flood Management' were set up. All these TFs completed their assigned tasks by 2004. The CD contains final version of the position papers brought out by various Task Forces.



Micro Irrigation in Arid and Semi-Arid Regions - Guidelines for Planning and Design

Author: Moshe Sne (Israel)
September 2006; Paper bound; 126 pp;
ISBN: 81-89610-09-0
Price: ICID Members and Booksellers:
US\$ 30; Non-Members: US\$ 60

Israel has been a pioneering country in the field of pressurized irrigation technology, especially in micro irrigation. The book provides information on the latest developments in micro irrigation system components, practical aspects of water treatment and filtration, fertigation, monitoring and control, and maintenance of micro irrigation systems. Mr. Moshe Sne, the author of the book has a vast experience in the planning, designing and implementation of micro irrigation systems. The book has numerous illustrations and tables.



Manual on Planning of Structural Approaches to Flood Management

Author: J. van Duivendijk
(The Netherlands)
March 2005; Paper bound; 114 pp;
ISBN: 81-85068-89-5
Price: ICID Members and Booksellers:
US\$ 20; Non-Members: US\$ 40

Flood Management (or flood risk management) concerns all actions related to the control of floods, the mitigation of flooding and, after such flood control and mitigative measures have been implemented, the management of the residual risk of flooding. In order to decide on an optimum solution of flooding problems, it is necessary to know the extent of damage caused by floods of different magnitudes/probabilities. A logical method of assessing such damage for use in the selection of a flood protection system is presented in this Manual. In all, this Manual covers all management strategies for flood mitigation involving structural approaches and complements ICID's Manual on Non-Structural Approaches to Flood Management.



Application of Geosynthetics in Irrigation and Drainage Projects

Author: Herve Plusquellec (USA)
September 2004; Paper bound; 79pp;
ISBN: 81-85068-88-7
Price: ICID members and Booksellers:
US\$15; Non-Members: US\$30

The book provides information on the wide range of geosynthetics and their potential application to irrigation and drainage projects. The controversial issue of lining or not irrigation canals and the design and construction issues of lining with conventional hard materials or with the use of geosynthetics is discussed. Special attention is given to the techniques to line existing canals with minimum interruption of irrigation service with the use of geocells, concrete-filled mattresses or field fabricated geocomposite for example. Finally the book discusses the selection of geomembranes based on the technical service requirements-and not purely on cost considerations and discusses the two main procurement methods based either material-specific or performance-specifications.



The Indus Basin - History of Irrigation, Drainage and Flood Management

Edited by H. Fahlbusch, Bart Schultz and C.D. Thatte, February 2004;
ISBN: 81-85068-77-1; Price: ICID
Members and Booksellers: US\$70;
Non-Members: US\$140

This publication provides a historical picture of the past and present of the Indus Basin covering an area of 1.15 million sq km. The mighty Indus river, originating at a height of 5,494 +MSL near Mansarovar lake in Tibet in the Himalayas, flows for 2,880 km to meet the Arabian Sea. Indus is the sixth largest river of the world whose agriculture-centered civilization belongs to the fifth millennium BC, only second to that of Euphrates/Tigris of 7th millennium, but older than Nile's of 4th millennium, or that of Huang Ho (Yellow river) of 2nd millennium. In terms of water carried, the Indus flow is three times Nile's, ten times Colorado's and equal to Columbia's. The basin is home to an internationally acclaimed water sharing accord, called the 'Indus Water Treaty', signed between India and Pakistan in 1960 that has survived the test of time. The irrigation system in the Indus basin is the world's largest integrated and physically contiguous system.



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