



ICID•CIID

International Commission on Irrigation and Drainage



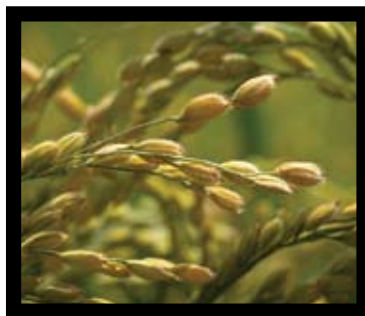
ICID Annual Report

2006 - 07



Managing Water for Sustainable Agriculture





ICID•CIID

Mission of ICID

The International Commission on Irrigation and Drainage (ICID) is established as a Scientific, Technical, Professional, and Voluntary Not-for-Profit Non-Governmental International Organization (NGO), dedicated, inter alia, to enhance the worldwide supply of food and fibre for all people by improving water and land management, and the productivity of irrigated and drained lands through the appropriate management of water, environment and the application of irrigation, drainage and flood control techniques.

The Mission of the International Commission on Irrigation and Drainage is to stimulate and promote the development of the arts, sciences and techniques of engineering, agriculture, economics, ecology and social science in managing water and land resources for irrigation, drainage, flood control and river training applications, including research and development and capacity building, adopting comprehensive approaches and up-to-date techniques for sustainable agriculture in the world.



Conserve water drop by drop, as each drop counts for crop...



Foreword

It is my proud privilege to place before you the Annual Report for the year 2006-07.

I have the pleasure to intimate that the review processes that were undertaken sequel to the 56th International Executive Council (IEC) decision in Beijing yielded very useful interim reports during the year which were presented in the 57th IEC at Kuala Lumpur in 2006. Internal Review report of PCTA was completed and many suggestions made therein were blessed by the IEC. The completion of committed assignments and closures of a few Working Groups in the last IEC meeting enabled the take off of new workbodies with fresh mandates as apt for the current situations. Efforts are still on to further the external review processes by the Steering Committee under the overall guidance of the President.

We are happy to see that there are 61 active National Committees (NCs) compared to 58 in the year 2005-06. Bangladesh, Iraq and Kazakhstan are added to our list of National Membership. A total of about 340 nominated experts of various NCs contributed inputs to 32 ICID specialized Workbodies / Task Forces under three apex Permanent Committees. Malaysia had the honour to host the 57th IEC and related events. It was so remarkable that many in ICID family likened it to an IEC coupled with a Congress. Inside the report, you would have an opportunity to see the varied contributions by way of seminars, workshops and other business activities of significance in Malaysia. Russian National Committee on Irrigation and Drainage (RUCID) and the Russian Agricultural Ministry made a unique gesture during the centenary year of Russian ICID President Mr. Evgeni E. Alekseevsky to honour distinguished contributors and office bearers and paid encomiums for the Central Office (CO) performance by way of a special citation. My particular thanks to VP Georgi Georgivich Guluyk for utilizing an opportunity to honour several distinguished ICID personalities who strived hard, both in the past and present, to keep our flags flutter. This thoughtful action is the first of its kind and will be cherished by all of us.

While the Journal continued to remain in the fore to disseminate ICID outputs and technical knowledge, other useful publications from workbodies and ICID workshops generated the '*state of the art technology*' documents in the field. In particular, the "Guidelines for Planning and Design of Micro Irrigation in Arid and Semi-Arid Regions" is worth a mention. Besides the two publications containing the proceedings on 'Water Saving Practices in Rice Paddy Cultivation and Environmental Consequence of Irrigation with Poor Quality Waters' and 'Sustainability, Management and Institutional, Water Resources, Health and Social Issues' were well received by the National Committees. The special grant facilitated project undertaken titled 'Country Policy Support Programme' (CPSP) was fully brought to its logical conclusion as per the Agreement with Donors during the year. ICID is grateful to the Government of The Netherlands for providing necessary financial support for carrying out the CPSP Phase-I.

Our relationship with other water related international organizations gathered momentum. After series of deliberations following the ICID's offer for partnership to WWC in Mexico in March 2006, ICID and WWC signed a Memorandum of Understanding (MoU) of mutual collaboration on water issues of relevance to agricultural usages. The concerted efforts of President Lee to achieve this are laudable. ICID could also strengthen its relationship with International Fund for Agricultural Development (IFAD). ICID was invited and given the status of a Permanent Observer in IFAD's Governing Council (GC). Thanks are due to VPH Alain Vidal for working hard to revive the ICID - IFAD cooperation. ICID was invited by WMO to join their 14th session of the Commission for Agricultural Meteorology held in New Delhi in 2006 and it was my privilege to join this event. ICOLD invited President Lee to join their Annual Meetings and Congress in Barcelona, Spain. ICID could also enhance its linkages with other water related international organisations, with IWALC secretariat functioning from CO of ICID in its fold.

I hope that this Annual Report enables you to capture the significant ICID contributions which are generated from all over the globe: by the richness of contributions by various NCs in their countries and regions, besides its global activities. I look forward to your valuable suggestions on enhancing the contents and value of the outputs of ICID, the only organization of its kind globally for serving the interests of sustainable water management for agriculture.

M. Gopalakrishnan
Secretary General

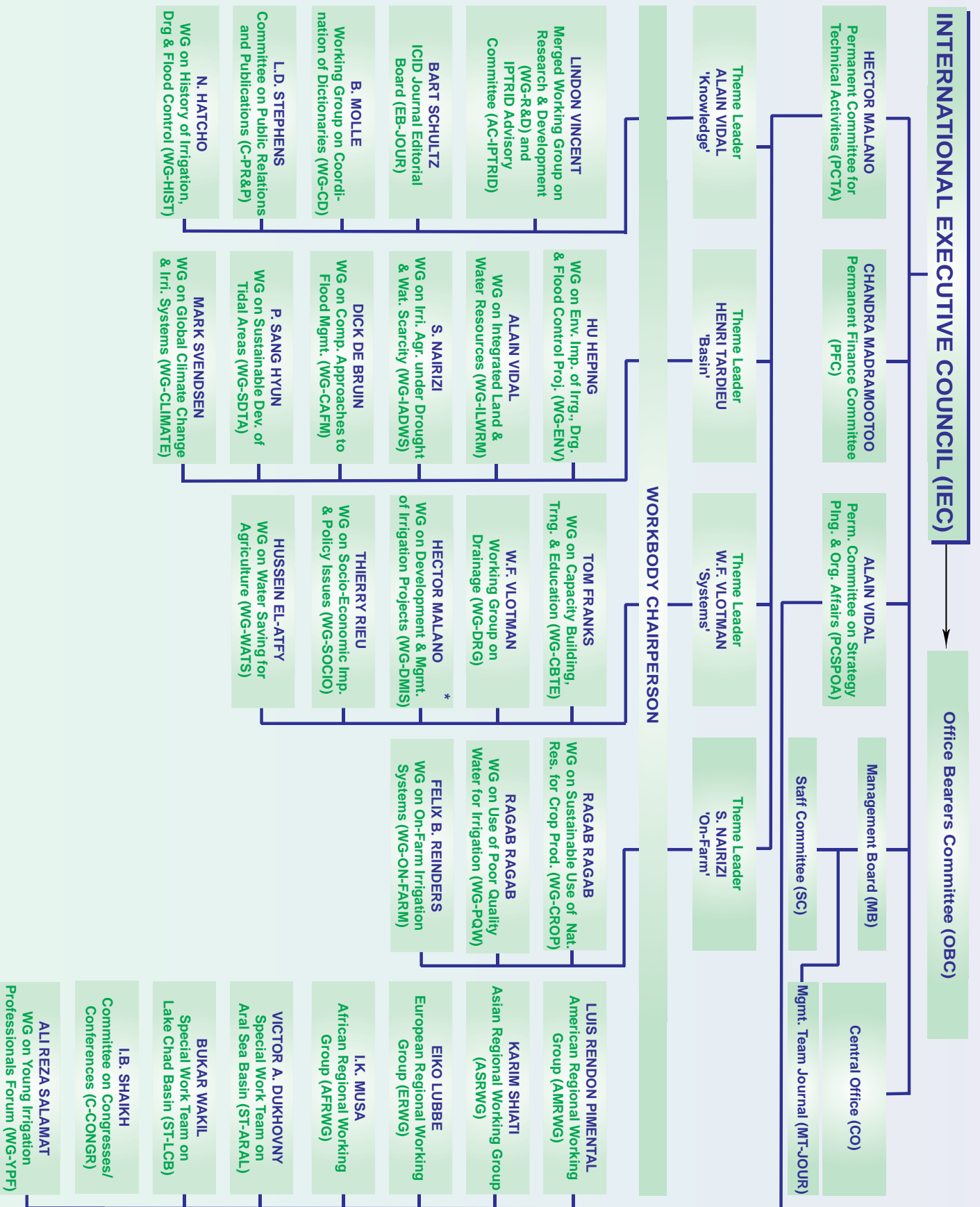
ICID Events at a Glance



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Organogram of ICID Workbodies



* Wound up in September 2006 at 57th IEC

ICID Office Bearers

PRESIDENT



Mr. Peter S Lee (UK)
2005-2008

SECRETARY GENERAL



Er. M. Gopalakrishnan (India)
1.1.2004 - 31.12.2009

VICE PRESIDENTS



Dr. YooMan HUH (Rep. of Korea)
2004-2007



Dr. Hussein Ehsan El-Atfy (Egypt)
2004-2007



Dr. Georgi Georgievich Guluyk (Russia)
2004-2007



Dr. Mark Svendsen (USA)
2005-2008



Mr. Felix B. Reinders (South Africa)
2005-2008



Dr. Gao Zhanyi (China)
2005-2008

NEWLY ELECTED VICE PRESIDENTS



Dr. Ing. Eiko Lübbe (Germany)
2006-2009



Dr. Karim Shiami (Iran)
2006-2009



Ir. Mohd. Azhari bin Ghazalli (Malaysia)
2006-2009

RETIRED VICE PRESIDENTS



Dr. Alain Vidal (France)
2003-2006



Mr. R. Jeyaseelan (India)
2003-2006



Prof. Victor A. Dukhovny (Uzbekistan)
2003-2006

New Office Bearers



Dr. Ing. Eiko Lübbe
(Germany)

Dr. Lübbe graduated in Civil Engineering (Dipl. Ing.) from Technical University of Hannover. He further obtained Dr. Ing. in Hydrology. At present, he is working as Chairman of the German National

Committee of ICID (GECID) and Head of Division of Water Management Issues in Rural Areas, Coastal Protection, Transport, Post and Telecommunication at Federal Ministry of Food, Agriculture and Consumer Protection in Germany. He is a member of WG-ENV since 1997, and Chairman of ERWG since 2002. He organized ICID 21st European Regional Conference (2005) in Germany and Poland.

Previously, he was Assessor for Civil Service, Federal State Govt., Northshire. He worked on water resources and waste management issues for Regional Govt., Cologne. Since 1980 he was working in the Federal Ministry of Food, Agriculture and Consumer Protection, where he is now heading the division of Water Management Issues in Rural Areas, Coastal Protection, Transport, Post and Telecommunication. He has worked for the World Bank in Greece and Poland and in Russia for the EU.



Dr. Karim Shiati
(Iran)

Dr. Shiati obtained B.Sc. in Irrigation Engineering (1969- 1973, Iran); M.Sc. in Water Resources Engineering (1977, The Netherlands); and Ph.D in Water

Resources Environment (1991, The Netherlands).

At present, he is working as Project Manager / Coordinator of Sustainable Development of Aras Border River Project, YEKOM Consulting Engineering, Iran. Dr. Shiati is the Chairman ASRWG (2006) and members of ICID Workbodies, namely WG-PQW (1997) and WG-CLIMATE (2006). His work experience includes as Director of Water Resources Department (1991-till date); Project Manager/ Coordinator of Central Consultant for Irrigation Improvement Project (1993- 2001); Project Manager of Diversion Dams and Irrigation and Drainage Networks for Jereh, Khesht and Dulaki Plains, Phase II studies (1984-1987); Senior Water Resources Engineer in Ministry of Agricultural Jihad & Japan International Corporation Agency (1984); and Water Resources Engineer (1977-1983).



Ir. Mohd. Azhari bin Ghazalli
(Malaysia)

Ir. Mohd. Azhari bin Ghazalli has a B.Sc. in Civil Engineering (1978) from Brighton in UK and M.Sc. in Irrigation Management (1994) from Melbourne, Australia.

At present, he is working as Under Secretary in Irrigation and Agricultural Drainage Division, Ministry of Agriculture and Agro-based Industries in Malaysia and is responsible for Irrigation and Agricultural Drainage Development. He is also involved in the field of irrigation, drainage, river engineering, flood mitigation and water resources at various positions and capacities within the Department of Irrigation and Drainage (DID). Ir. Ghazalli is involved in ICID activities since 1996. Presently he is members to ICID Workbodies viz. ASRWG, WG-SDTA and C-CONGR. His contributions to ICID include organizing workshops, seminars, talks, discussions, papers and projects on irrigation and drainage at local, regional and international level. He is currently Vice Chairman of MANCID.

ICID fraternity extends a warm welcome to Dr. Ing. Eiko Lübbe, Dr. Karim Shiati and Ir. Ghazalli - the newly elected Vice Presidents of ICID. ICID also expresses thanks to Dr. Alain Vidal (France), Mr. Jeyasseelan (India) and Prof Victor Dukhovny (Uzbekistan) - the outgoing Vice Presidents, for their valuable guidance and contributions during their tenure in ICID.

Highlights OF THE 57th INTERNATIONAL EXECUTIVE COUNCIL MEETING

- The 57th International Executive Council (IEC) meeting was held from 10-15 September 2006
- The 3rd Asian Regional Conference was held on the theme, “Transforming Irrigated Agriculture into an Efficient Engine of Growth” from 13-15 September 2006
- The 7th International Micro Irrigation Congress was focused on the theme, “Advances in Micro Irrigation for Optimum Crop Production and Resources Conservation and held from 13-15 September 2006
- More than 360 delegates from 46 countries and representatives from several International Organizations participated in various events
- The opening ceremony speech was delivered by Honourable Tan Sri Hj. Muhyiddin b Hj. Mohd. Yassin- the Minister of Agriculture and Agro-based Industry, Government of Malaysia
- The welcome speech at the event was given by President Hon. ICID and Chairman, MANCID, Datuk Hj, Ir. Keizrul bin Abdullah
- Mr. Peter S. Lee, President, ICID addressed the august gathering at the opening ceremony of the 3rd Asian Regional Conference and 7th International Micro Irrigation Congress
- Ir. Mohd Azhari bin Ghazalli, Vice Chairman, MANCID delivered a keynote speech on “Transforming Irrigated Agriculture into an Efficient Engine of Growth”
- Mr. Shinsuke Ota, Executive Vice President, Japan Water Agency and Member Asian Regional Working Group of ICID delivered a keynote speech addressing the issues of “Irrigated Agriculture as an Engine of Regional Development”
- Mr. Felix B. Reinders (South Africa), Vice President, ICID delivered a keynote address on ‘Micro Irrigation: World Overview on Technology and Utilization’
- Over 30 ICID Workbody meetings were held
- Three New Vice Presidents were elected :
 - Dr.-Ing. Eiko Lübbe (Germany)
 - Dr. Karim Shiati (Iran)
 - Ir. Mohd. Azhari bin Ghazalli (Malaysia)
- New Chairs, Vice Chairs and Secretaries of ICID Workbodies were elected:
 - PFC Prof. Dr. Chandra A. Madramootoo (Canada), Chairman;
Dr. S. Nairizi (Iran), Vice Chairman
 - PCSPOA: Dr. Alain Vidal (France), Chairman
 - WG-CLIMATE: Dr. Mark Svendsen (USA), Chairman ;
Dr. Tsugihiko Watanabe (Japan), Vice Chairman;
Prof. Roland Schulze (South Africa), Secretary.
 - ASRWG: Dr. Karim Shiati (Iran), Chairman;
 - WG-ENV: Dr. Ge van den Eertwegh (The Netherlands), Secretary
- New Workbodies were proposed :
 - Workbody on Financing Water for Irrigation, Drainage and Flood Management
 - Workbody on Impact of Irrigation and Drainage on Livelihoods and Poverty Alleviation
 - Workbody on Transbasin Water Projects
 - Working Group on Modernization of Irrigation Services.

- Working Group on Research and Development (WG-R&D) merged with the Advisory Committee - IPTRID - (AC-IPTRID)
- Two Workbodies completed their mandates in 2006 :
 - Working Group on Irrigated Land and Water Resources Management (WG- ILWRM)
 - Working Group on Development and Management of Irrigation Systems (WG-DMIS).
- Six workshops and a Special Session were held :
 - WG-CROP : Workshop on 'Water Saving Practices in Rice Paddy Cultivation'
 - WG-SDTA : Workshop on 'Sustainable Development of Tidal Areas'
 - WG-CBTE: Workshop on 'Monitoring and Evaluation of Capacity Development Programmes
 - WG-WATS : Workshop on 'Water Saving Technologies in Tropical Regions of Asia'
 - WG-DMIS : Workshop on 'Modernization for Improved Service Delivery'
 - WG-PQW : Workshop on "Environmental Cosequences of Using Poor Quality Water for Irrigation"
 - TFLDCsAS: Special Session on "Development with Partnership-Avenues for Cooperation"
- Vice President Hon. Henri Tardieu, Theme Leader, made a presentation on Strategy Theme 'BASIN'
- The ICID WatSave Awards in three identified areas were presented.
 - Innovative Water Management Award – Dr. Nico Benadé (South Africa)
 - Technology Award – Prof. Kang Shaozhong (China)
 - Young Professionals Award – Ms. Neelam Patel (India)
- The First Best Paper Award was presented to Dr. T.B.S. Rajput and Ms. Neelam Patel from India in recognition of their paper in Irrigation and Drainage Journal of ICID (Issue 54.2 in 2005)
- A Memorandum of Understanding was signed for Bilateral Collaboration between Indonesian National Committee on Irrigation and Drainage (INACID) and Iranian National Committee on Irrigation and Drainage (IRNCID)
- Launching of the book on "The History of Irrigation and Drainage in Malaysia" by Hon'ble Minister of Agriculture and Agro-based Industry, Malaysia
- ICID Publication - 'Micro Irrigation in Arid and Semi-arid Regions' by Mr. Moshe Sne was released
- National Committees displayed exhibition on Irrigation, Drainage and Water – 2006
- Secretary General M. Gopalakrishnan read out the Kuala Lumpur Statement
- Closing ceremony address was delivered by Mr. Peter S. Lee, President, ICID.

The term of Er. M. Gopalakrishnan, as Secretary General, ICID has been extended from 1 January 2007 to 31 December 2009 recognizing his significant contribution to ICID.

ICID Workbodies

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	Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)	13
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	Working Group on Integrated Land and Water Resources Management (WG-ILWRM)	15
	Working Group on Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS)	16
	Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)	16
	Working Group on Sustainable Development of Tidal Areas (WG-SDTA)	17
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Theme : 'Systems' (5 Workbodies)	Working Group on Capacity Building, Training and Education (WG-CBTE)	18
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	Working Group on Development and Management of Irrigation Systems (WG-DMIS)	19
	Working Group on Socio-Economic Impacts and Policy Issues (WG-SOCIO)	20
	Working Group on Water Saving for Agriculture (WG-WATS)	20
Theme : 'On-Farm' (3 Workbodies)	Working Group on Sustainable Use of Natural Resources for Crop Production (WG-CROP)	21
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ICID Workbodies

MANAGEMENT BOARD (MB)

Mandate

The Management Board is responsible with the Central Office for the implementation of the decisions made by Council, and will decide such actions in between Council meetings as are necessary to properly effect the working of the Commission.

Members : (1) Mr. Peter S. Lee, President, ICID (UK); (2) Dr. Hector M. Malano (Australia), Chairman, Permanent Committee for Technical Activities (PCTA); (3) Dr. Chandra A. Madramootoo (Canada), Chairman, Permanent Finance Committee (PFC); (4) Dr. Alain Vidal (France), Chairman, Permanent Committee for Strategy Planning and Organizational Affairs (PCSPOA); and (5) Er. M. Gopalakrishnan, Secretary General, ICID.

MANAGEMENT TEAM FOR ICID JOURNAL (MT-JOURNAL)

Mandate

The Management Team for ICID Journal (MT-Journal) shall be a special committee, and will remain as an `ad hoc' sub-committee of Management Board to assist it in the administrative matters of managing the Journal, including related financial aspects, such as pricing, royalty, etc.

Members : (1) President Hon. Bart Schultz, Chairman and Convener (The Netherlands); (2) Ir. Paul van Hofwegen (The Netherlands); (3) Vice President Hon. Chandra A. Madramootoo (Canada); (4) Vice President Hon. Larry D. Stephens, Chairman, C-PR&P (USA); and (5) Er. M. Gopalakrishnan, Secretary General, ICID.

STAFF COMMITTEE (SC)

Mandate

The Staff Committee shall review and formulate the work procedures and the staff structure of the Central Office in keeping with the changing requirements of ICID and advise the Secretary General on the functioning of the Central Office.

Members : (1) President Mr. Peter S. Lee, Chairman (Great Britain); (2) Prof. Dr. Chandra Madramootoo, Chairman, Permanent Finance Committee; (3) Chairman, Indian National Committee of ICID; and (4) Er. M. Gopalakrishnan, Secretary General, ICID.

SCREENING COMMITTEE

Mandate

Matters pertaining to promotion, career progression and other matters concerning Central Office staff.

Members :

(1) Er. M. Gopalakrishnan, Secretary General, ICID - Chairman; (2) Chairman, INCID or his representative - Member; (3) Scientist/Engineer of a Level of Joint Secretary or higher in Government of India - Member.

OFFICE-BEARERS COMMITTEE (OBC)

Mandate

The Office-Bearers Committee shall be composed of the Office-Bearers in Office and the Honoraire Office-Bearers and will in general advise on all important questions concerning the policy, the orientation and the overall functioning of ICID. One of the primary duties is to make recommendations for filling the vacancies among Office Bearers.

PERMANENT FINANCE COMMITTEE (PFC)

Mandate

The Permanent Finance Committee shall be concerned with the financial matters of the Commission and matters having significant financial implications to the Commission. It will review the receipts and expenditures, advise the Council on the previous year's accounts and on the proposed or provisional budget, and will make recommendations on the annual subscriptions and other support of the participating countries for the current and future years. It may give its opinion to the President and the Secretary-General on the elements to be taken into account to prepare the budgets of the future years.

Members : (1) Mr. Joseph I. Burns, (USA, 2003) Acting Chairman upto 14 September 2006 and Prof. Dr. Chandra Madramootoo, Chairman from 15 September 2006 onwards (Canada, 2006); (2) Dr. Saeed Nairizi, Vice Chairman, 2006 (Iran, 2006); (3) Dr. K. Palanisami, Secretary, 2006 (India, 2005); (4) Dr. A.V. Kolganov (Russia 2003); (5) Mr. Yuanhun Li (China, 2003); (6) Dr. Ing. Stefano Salbitani (Italy 2003); (7) Prof. Dr. Kinji Ohashi (Japan, 2004); (8) Dr. Laszlo G. Hayde (Hungary, 2004); (9) Dr. Alain Vidal (France, 2006); (10) Mr. Syed Raghob Abbas Shah (Pakistan, 2006); and (11) Er. M. Gopalakrishnan, Secretary General, ICID.

PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)

Mandate

The Permanent Committee for Technical Activities shall be concerned with all the technical activities including the issues of all publications of ICID. It will be responsible for the activity of the technical bodies, for the selection of Questions/ Themes for Congresses, Conferences, Special Sessions, Symposia, etc., for the settlement of the technical conclusions thereof and for making appropriate recommendations for action thereon.

Members : (1) Prof. Hector Malano, Chairman (Australia, 2005); (2) Mr. Bruno Molle, Vice Chairman (France, 2006); (3) Mr. Larry D. Stephens, Secretary (USA, 2003); (4) Dr. G. G. Guluyk (Russia, 2002); (5) Mr. R. Jeyaseelan (India,

2004); (6) Dr. Hussein Ehsan El-Atfy (Egypt, 2005); (7) Prof. Daniele De Wrachien (Italy, 2005); (8) Dr. Yohei Sato (Japan, 2005); and (9) Er. M. Gopalakrishnan, Secretary General, ICID.

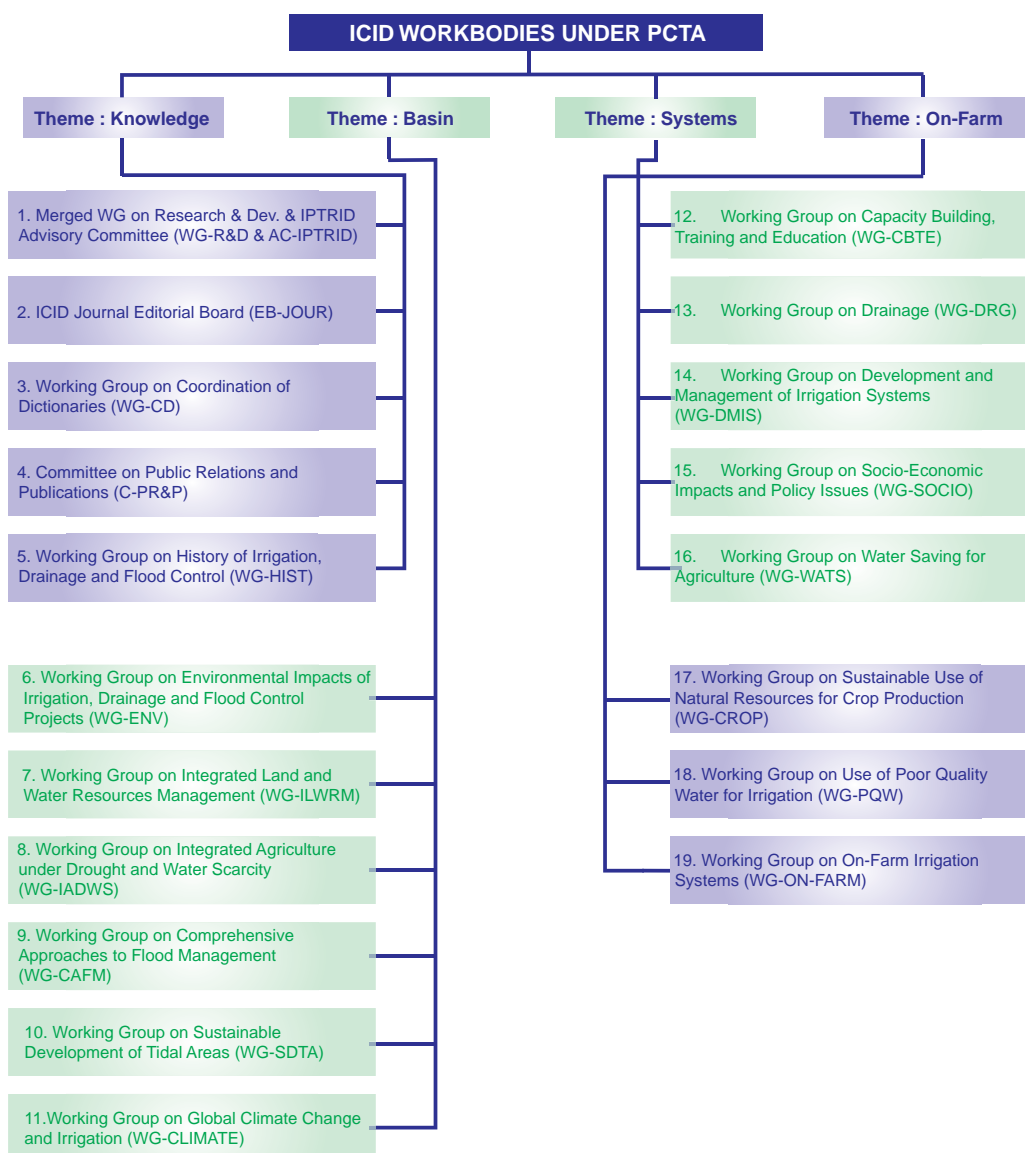
Permanent Observers :

(1) World Bank Representative; (2) FAO Representative; (3) IWMI Representative; (4) ISO Representative; (5) WWC Representative; and (6) Program Manager, IPTRID.

Ex-Officio Members :

(1). All Strategy Theme Leaders; and (2) Chairpersons of All Work Bodies under PCTA.

ICID Workbodies under PCTA are classified under four strategic themes as shown below:



1.1 Merged Working Group on Research and Development (WG-R&D) and IPTRID Advisory Committee (AC-IPTRID)

Mandate

- To support research and development of technology and innovation processes for improved irrigation and drainage.

Members

(1) Prof. L. Vincent, Chairperson, 2006 (The Netherlands, 1995); (2) Dr. (Mrs.) Shaden Abdel-Gawad, Vice Chairperson, 2006 (Egypt, 2001); (3) Mr. Stephen Mills, Vice Chairman, 2006 (Australia, 2005); (4) Prof. L. Ubertini, Secretary (Italy, 1989); (5) Dr. H. Fahmy (Egypt, 1995); (6) Mr. A. Delacourt (France, 1995); (7) Mr. J. Lelkes (Hungary, 1998); (8) Dr. John A. Replogle (USA, 1999); (9) Mr. Sietan Chieng (Canada, 2001); (10) Dr. (Mrs.) Irene Bondarik (Russia, 2001); (11) Prof. Jiasheng Huang (China, 2003); (12) Prof. J.G. Annandale (South Africa, 2003); (13) Prof. Yuanhua Li (China, 2003); (14) Mr. S.K. Chaudhuri (India, 2003); (15) Mr. Geoff Pearce (UK, 2003); (16) Mr. Ezzatollah Farhadi (Iran, 2005); (17) Dr. K. Palanisami (India, 2005); (18) Dr. Mohammad Che Husain (Malaysia, 2005); (19) Dr. Yohei Sato (Japan, 2005); (20) Mr. S.A. Assadollahi (Iran, 2006); (21) Mr. Ian William Makin (Great Britain, 2006); (22) Dr. Enrique Playan (Spain, 2006); (23) Mexican representative (MXCID); (24) Nigerian representative (NINCID); (25) Indonesian representative (INACID); and (26) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers/Permanent Observers :

(1) Dr. Carlos Garces-Restrepo (Italy), Programme Manager, IPTRID; (2) FAO Representative; (3) World Bank Representative; (4) Mr. I.W. Makin, IWMI Representative; (5) Mr. P.S. Lee, Chairman, CG-IPTRID, UK; and (6) Mr. Campoare Moussa Laurent, (ARID-Burkina Faso)

Activities carried out:

AC-IPTRID and WG-R&D held its first combined meeting on 12 September 2006 at Kuala Lumpur, Malaysia for confirming its merger to a Working Group. In addition to 12 members of AC-IPTRID and WG-R&D, there were 13 observers and 4 permanent observers representing IPTRID and FAO showing interest in combining the two groups. In the meeting, the nominations of Mr. S.A. Assadollahi (Iran); Mr. Ian William Makin (Great Britain); and Dr. Enrique Playan (Spain) were considered and accepted as new members of the Group.

Presentations were made related to activities/programs carried out by AC-IPTRID. Dr. Carlos Garces-Restrepo highlighted

the key activities of IPTRID and collaboration of IPTRID & ICID while Dr. Shaden Abdel-Gawad the activities of the “National Water Research Center and IPTRID involvement in Egypt from 2005-2006. Prof. L. Vincent highlighted the activities of WG-R&D during its tenure from 1995-1996 to 2005-2006. During the meeting, a debate took place for taking up the matter related to the advantage of combining and synergizing the activities of AC-IPTRID and WG-R&D. The members from the National Committees namely, Dr. Palanisami (INCID), Mr. Ian Makin (ICID.UK), Dr. Alain Vidal (AFEID), Dr. (Mrs.) Shaden Abdel-Gawad (ENCID), President Peter S. Lee (ICID.UK) and Mr. W. Wolters (NETHCID) actively participated.

In the combined meeting, the two Groups agreed to have a common mandate - “To support research and development of technology and innovation processes for improved irrigation and drainage”. The 1st meeting elected Prof. Vincent as the Chairperson of the merged Group of AC-IPTRID and WG-R&D and Dr. Abdel-Gawad and Mr. Stephen Mills as Vice Chairs. A voting was also conducted to finalize a new name for the combined Working Group. The results obtained were: (i) Technology and Research Uptake and Exchange (TRUE), 7 votes; (ii) Technology and Research Exchange for National Development (TREND), 6 votes; and Innovation and Dissemination in Irrigation and Drainage (IDID), 1 vote. The final suggestion and recommendations of the Group will be placed in the forthcoming 58th IEC meetings scheduled at Sacramento, USA in 2007.

1.2 ICID Journal Editorial Board (EB-JOUR)

Mandate

- To ensure with the Editor that the Journal is published in accordance with editorial policy;
- To select and recommend to IEC, through PCTA, the appointment of Editor and Associate Editors;
- To review and update editorial policy when required, to conform with the developing ICID objectives;
- To address and resolve issues pertaining to the Journal;
- To review guidelines for authors, manuscript reviewers and book reviewers and liaise and coordinate with ICID workbodies.

Members (Editorial Team) :

Chairman:

(1) Prof. dr. Bart Schultz, President Hon., ICID (The Netherlands, 2002).

Editor :

(2) Prof. J.M. van Hofwegen (The Netherlands, 2001).

Editor Emeritus:

(3) Dr. D. Zimmer (France, 2004).

Associate Editors :

(4) Mr. Melvyn G. Kay (Great Britain, 2001); (5) Prof. Dr. R. Nakamura, Vice President Hon. (Japan, 2001); (6) Prof. H. Malano, Vice President Hon. (Australia, 2001); (7) Dr. Bryan P. Thoreson (USA, 2001); (8) Mrs. Isabelle M. Proulx (Canada, 2003); (9) Prof. Dr. James Murray de Jager (South Africa, 2003); (10) Prof. (Mrs.) Ir. Indreswari Guritno (Indonesia, 2004); (11) Mr. Bernard Prefol (France, 2005); (12) Dr. Benjamin de Leon Mojarro (Mexico, 2005).

Members (Editorial Board) :

(13) Mr. Larry D. Stephens, Vice President Hon., ICID (USA, 2001); (14) Prof. L.S. Pereira, Vice President Hon., ICID (Portugal, 2001); (15) Prof. Daniele de Wrachien (Italy, 2001); (16) Ir. Keizrul bin Abdullah, President Hon., ICID (Malaysia, 2001); (17) Dr. S. Nairizi, Vice President Hon., ICID (Iran, 2001); (18) Prof. E.U. Nwa, Vice President Hon., ICID (Nigeria, 2001); (19) Dr. C. Perry (Great Britain, 2001); (20) Ing. Manuel Contijoch Escontria, Vice President Hon., ICID (Mexico, 2001); (21) Dr. Muhammad Latif (Pakistan, 2002); (22) Prof. Kwun, Soon-Kuk, Vice President Hon., ICID (Korea, 2003); (23) Prof. Dr. Joachim Quast (Germany, 2004); (24) Prof. Y.C. Tan (Chinese Taipei, 2006); and (25) Dr. Vijay K. Labhsetwar, Director-II (ICID C.O.).

Activities carried out:

13th Meeting of the EB-JOUR was held on 12 September 2006 at Kuala Lumpur, Malaysia. 9 members of the Board participated. Nomination for membership with respect to Prof. Y.C. Tan (Chinese Taipei, 2006) was considered and accepted in the meeting. The three members namely, Dr. M.H. Amer (Egypt), Prof. Dr. F. Ligetvari (Hungary) and Prof. Xu Zhifang (China) having completed their terms, resigned their membership of EB-JOUR. Their contributions to the Journal activities were highly appreciated.

In the meeting, Chairman, EB-JOUR presented the EB-JOUR report. In 2006 (January 2006 to 31 December 2006) a total of 126 papers had been submitted, which is substantially more than in the previous years. This is partly caused by the Special Issue for which 16 papers were submitted and 14 were accepted for publication. By the end of December

2006, 89 papers were in the review process for publications in the regular issues of the Irrigation and Drainage (I&D) Journal. Out of the 89, 30 were approved for publication. The figure given below shows the status on the development of submission of the papers and the publications of I&D Journal issues.

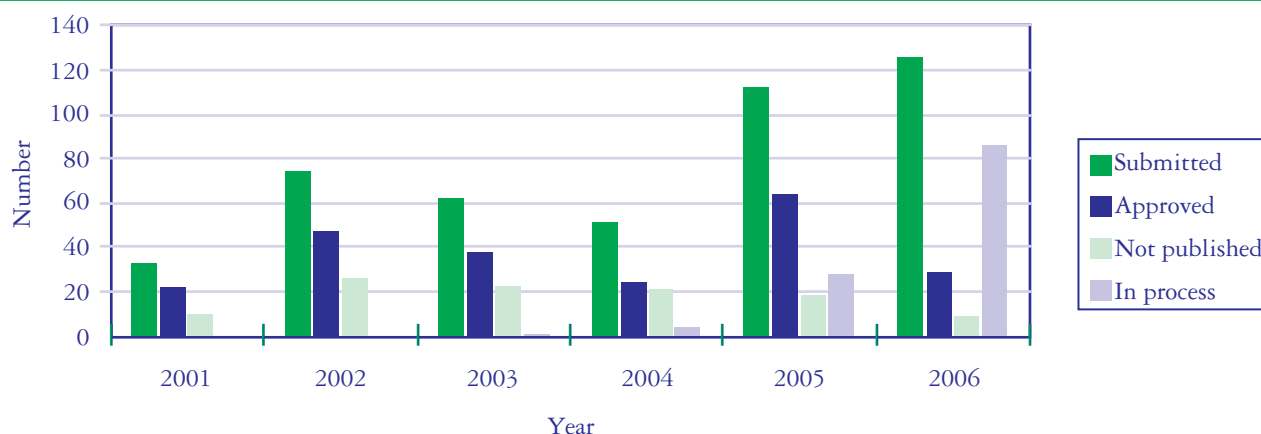
From April 2006 to March 2007, five issues of the Journal were published on time. In addition to the five issues, a Special Issue on "Integrated Flood Management" had also been published. This Special Issue was a sponsored issue, which had been prepared in close cooperation with Rijkswaterstaat, The Netherlands. In total, 61 papers contributed by 144 authors had published during the period from 1 April 2006 to 31 March 2007 originating from 29 countries. The data given in Table reflects the details on publications of the journal issues.

It was decided at the Beijing meeting that starting from the 57th IEC meeting in Kuala Lumpur an Award would be presented for the best paper published in the Journal starting from the preceding year-2006. The Editor in consultation with the Associate Editors will make the selection for the best paper. The Award will be a plaque and books published by M/s John Wiley & Sons Ltd. Based on the last year's decision, the Editor in close consultation with the Associate Editors selected the best paper published during January – December 2005. The Best Paper Award 2006 went to Dr. T.B.S. Rajput and Ms. Neelam Patel (India). Their paper titled "Enhancement of Field Water Use Efficiency in the Indo-Gangetic Plain of India" was published in the Issue 54.2 of Irrigation and Drainage Journal.

The Irrigation and Drainage Journal is one of the periodicals listed in the ISI Science Journals Citation Index under the number ISSN 1531-0353. It appears in the categories Water Resources and Agronomy.

The Agreement for publishing the ICID Journal through M/s John Wiley & Sons Ltd. extended for the period upto 2008 was approved in IEC. The full text of Irrigation and Drainage is available through Wiley Inter Science (<http://www.interscience.wiley.com/journal/ird>) for all issues

Figure Showing Yearwise Progress of Submission of the Papers for the Journal



published from 2001 to date. Access to abstracts is freely available to all guest users, with viewing of full text papers. Since June 2006, the Manuscript Central System is made operational in the Wiley website. This system enables uploading of new papers on the website and facilitates the review process.

Each National Committee receives 10 copies of I&D issue based on the minimum 1000 copies paid by ICID Central Office. As per the choice of the National Committees, these copies can either be availed on-line only or on-line plus print. One copy of each issue (on-line) to each incumbent, active or honoraire office bearer, and active member of ICID workbodies is made available. In addition National Committees to nominate two young professionals for a

free on-line subscription.

The individual members' subscription rate for the Journal for the year 2007 will be US\$ 32 for online access and US\$ 37 for online access as well as for the hard copies. The Wiley website <http://www.interscience.wiley.com/irrigationanddrainage> also provides an 'Early View' option, which shows new papers placed on the website as soon as they are processed after review.

ICID has been allotted two pages per issue of the Journal. Secretary General brings out current issues in these pages related to water sector including the ICID declarations/statements and other topics of reference.

Characteristic data on publications of I&D Journal issues (1 April 2006 to 31 March 2007)

Issue	Number of papers	Pages	Additional	Publication date
55.2	8	103		April 2006
55.3	12	125		July 2006
55-Supplement 1	14	174	Integrated Flood Management	July 2006
55.4	09	118		October 2006
55.5	08	108		December 2006
56.1	10	114		February 2007

1.3 Working Group on Coordination of Dictionaries (WG-CD)

Mandate

- To encourage the preparation and publication of translations of the English/French revised edition of the Multilingual Technical Dictionary (MTD) on Irrigation and Drainage into additional languages;
- To produce copies of the MTD in other formats, especially electronic, so as to make it more valuable to users; and
- To produce periodic updates to all or sections of the MTD.

Members :

(1) Mr. Bruno Molle, Chairman, 2003 (France, 2003); (2) Mr. K.N. Sharma, Secretary (ICID Central Office); (3) Dr. E. Kruse (USA); (4) Dr. P. Buri (Italy); and (5) Prof. Cai Ling (China).

Observers / Permanent Observers :

(i) FAO representative; (ii) WMO representative; (iii) IWMI representative; (iv) Prof. Hector Malano (Australia), Chairman, PCTA; (v) Mr. Larry D. Stephens (USA), Chairman, C-PR&P.

Activities carried out:

WG-CD held its 9th meeting at Kuala Lumpur on 11 September 2006.

The Chinese National Committee completed the translation work of ICID Multilingual Technical Dictionary (MTD) in Chinese language. The Iranian and Indonesian National Committees showed interest to translate the MTD into Persian and Indonesian (Bahasa) languages. The Turkish National Committee also proposed to translate the Dictionary into their language. An Editorial Committee was set up at Kuala Lumpur, to further review and offer comments on the Chapters already reviewed by the Experts. The next revised edition of the ICID MTD was scheduled to be published on CD-ROM at the time of the 58th IEC in USA in the year 2007. The MTD was included in the E-Learning Package of UNESCO-IHE for its graduating students.

1.4 Committee on Public Relations and Publications (C-PR&P)

Mandate

- To describe the economic, social and environmental aspects of water resources projects which help provide food and fibre to mankind through irrigation;
- To identify the audiences and their interests, and suggest the appropriate type of communication and who should carry it out;
- To encourage National Committees to adopt a proactive

role in communicating the role of water resources projects in serving mankind;

- To encourage the use of communications specialists to ensure that the ICID public relations effort is effective;
- General management tasks - Development of concept of ICID publication series; set procedure for approval of publications; identification of (inter) national publishers and setting up of cooperative arrangements; marketing and pricing; and cooperation with publishers and National Committees for sale of publications; and
- Editorial management tasks - Monitoring of and liaison with authors and editors on proposed and approved manuscripts; classification of proposed manuscripts for the relevant ICID services; calculation of prices and costs, fixing number of copies of books; recommendations on subsequent publications of ICID.

Members :

(1) Mr. L.D. Stephens, Chairman (USA, 1991); (2) Mr. Peter S. Lee (UK, 1993); (3) Ir. Paul van Hofwegen, Editor, ICID Journal (Netherlands, 1995); (4) Prof. Hsieh, Yung-Hsu (Chinese Taipei, 1998); (5) Ms. Anne Currey (Australia, 1998); (6) Dr. Dia El-Din Ahmed El-Quosy (Egypt, 1998); (7) Prof. Atef Hamdy (Italy, 2004); (8) Mr. B.S. Ahuja (India, 2005); (9) Dr. Javad Farhoudi (Iran, 2006); and (10) Er. M. Gopalakrishnan, Secretary General, ICID.

Ex-Officio Member :

(1) Mr. Satit Maneepai (Thailand).

Activities carried out:

The Committee on Public Relations and Publications (C-PR&P) conducted its 15th meeting during the 57th IEC event held at Kuala Lumpur, Malaysia in which 4 members actively participated. Nomination of Dr. Javad Farhoudi (Iran) for membership was considered and accepted.

In the meeting held on 11 September 2006, the Chairman, C-PR&P Mr. Larry D. Stephens, VPH, ICID recommended bifurcation of C-PR&P into two Workbodies – one to look into the Public Relations aspects and the periodical publications of ICID, namely, the Newsletter, News Update, Website and the Annual Report and the other to look after the ICID Technical Publications. VPH Stephens subsequently proposed to the PCTA meeting for reorganizing the C-PR&P. The 57th IEC, decided to discuss the matter regarding bifurcations of the CPR&P into two workbodies in the MB meeting of ICID before placing it in IEC.

During its 15th meeting, the aspects such as ICID publications (2005-2006), sale of ICID publications/Congress transactions, review of ICID website, establishment of website by various workbodies, review of quarterly Newsletter of ICID etc. were deliberated. The creation of a small Work Team to take charge of the reviewing and commenting on the ICID Newsletter following each issue was agreed to. The initial

Review Team as constituted comprises of Mr. Stephen Mills (Australia), VPH Javad Farhoudi (Iran), VPH Alain Vidal (France) and Ms. Anne Currey (Australia). Dissemination regarding establishment of an hyperlink namely Advertisers Catalogue on the ICID website for initiating the processes for building up an advertisement area in respect of various allied sectors relating to irrigation, drainage, water, power etc. had also been carried out.

1.5 Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)

Mandate

- To motivate ICID National Committees in various countries to set up their National Working Groups and provide them guidance to compile, publish, update and/or translate documents on history of irrigation, drainage, flood control, and river engineering, incorporating relevant agricultural, political, socio-economic, climatological and geographical aspects for proper understanding of the technological developments in the subject, if possible chronologically; and
- To organize seminars at ICID Congresses in order to show to experts the importance of historical studies when planning new projects.

Members :

(1) Prof. N. Hatcho, Chairman, 2002 (Japan, 1996); (2) Dr. Hubert Toussaint, Secretary (The Netherlands, 2005); (3) Dr. Ricardo S. Graino (Spain, 1992); (4) Mrs. F. Sinatti (Italy, 1994); (5) Mrs. Xuming Tan (China, 1997); (6) Dr. S.H. Lee (Korea, 1997); (7) Dr. Naser Shayan (Iran, 1998); (8) Dr. Illahi B. Shaikh (Pakistan, 2000); (9) Dr. Laszlo Hayde (Hungary, 2001); (10) Prof. Zorko Kos (Croatia, 2002); (11) Mr. Aliyu Jada (Nigeria, 2002); (12) Mr. Satit Maneepai (Thailand, 2002); (13) Dr. Alexis Vogel (Austria, 2002); (14) Mr. B.D. Pateria (India, 2003); (15) Mr. Jean Verdier (France, 2003); (16) Dr. Hafied A. Gany (Indonesia, 2005); (17) Mr. Charles A. Abernethy (Great Britain, 2005); (18) Dr. Ing. Klaus Rottcher (UK, 2006); (19) Prof. Wen-Pin Shu (Chinese Taipei, 2006); and (20) Er. M. Gopalakrishnan, Secretary General, ICID.

Observer :

(i) Dr. (Mrs.) B. Dolfing (The Netherlands).

Activities carried out:

WG-HIST held its 9th meeting at Kuala Lumpur on 10 September 2006 in which 9 members actively participated. Nominations received for membership in respect of Dr. Ing. Klaus Rottcher (UK) and Prof. Wen-Pin Shu (Chinese Taipei) were considered and accepted. In the meeting, the WG-HIST decided to complete its current activities at Sacramento in 2007. A new Working Group with a new mandate and new set of objectives and work plan was planned. The new name

proposed for the Group was “Working Group on History of Agriculture Water Management”.

WG-HIST concentrated on their special publications on “History of Irrigation in Eastern Asia” and “History of Irrigation, Drainage and Flood Control in South Mediterranean”. Dr.-Ing. Klaus Röttcher, one of the newly nominated members of WG-HIST expressed willingness to develop a research project to collect information on water management in arid and semi-arid regions, and explore the possibilities of developing appropriate methods that could be deployed in modern water management systems [in collaboration with WG-HIST and German Water Historic

Associations (DWhG)]. The Secretary General, ICID agreed to support to the gesture and forwarded a letter of assurance for taking up the matter further to Dr.-Ing. Röttcher.

The Working Group also took actions to conduct an International History Seminar on Irrigation and Drainage on the theme “Lessons to Learn from the Historical Development and Management of Water in Arid and Semi-Arid Regions” during the 4th Asian Regional Conference and 10th International Seminar on Participatory Irrigation Management scheduled to be held on 2-5 May 2007 in Tehran, Iran.

ICID Workbodies UNDER STRATEGY THEME: BASIN

2.1 - Working Group on Environmental Impacts of Irrigation, Drainage and Flood Control Projects (WG-ENV)

Mandate

- To understand the process of environmental impact analysis making this a part of all project evaluation;
- Major environmental problems as addressed by each country, and effects of irrigation and drainage on the natural environment, flora, fauna and human beings; and
- Recognising the project/site specific nature of the problem, to provide guidance to project designers and managers in identifying and minimising adverse environmental impacts.

Members

(1) Dr. Hu Heping, Chairperson, 2005 (China, 2000); (2) Prof. Yih-Chi Tan, Vice Chairman, 2005 (Chinese Taipei, 1995); (3) Dr. Ge van den Eertwegh, Secretary, 2006 (Netherlands, 2005); (4) Mr. Barkat Hadid (Syria, 1991); (5) Mr. Alfred Heuperman (Australia, 1993); (6) Dr. Smiljan Juvan (Slovenia, 1995); (7) Dr.(Mrs.) Shaden Abdel Gawad (Egypt, 1996); (8) Dr. Eiko Lubbe (Germany, 1997); (9) Prof. Almeida Fernandez (Portugal, 1997); (10) Mr. Mohammed Kazem Siah (Iran, 2000); (11) Mr. Osmo Antero Purhonen (Finland, 2002); (12) Mr. Stefano Salbitani (Italy, 2003); (13) Dr. Choi, Joong-Dae (Korea, 2003); (14) Mr. Belguenani Hassane (Morocco, 2003); (15) Prof. Dr. Natha Hungspreug (Thailand, 2003); (16) Dr. Jose A. Ortiz Fdz.-Urrutia (Spain, 2005); (17) Dr. Dennis Wichelns (USA, 2005); (18) Dr. Illahi B. Shaikh (Pakistan, 2006); (19) Er. P.S. Kelkar (India, 2006); (20) Dr. Serge Marlet (France, 2006); (21) Mr. Taner Kimence (Turkey, 2006); and (22) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers/Permanent Observers :

(1) FAO representative; (2) ICOLD representative; (3) World Bank representative; (4) Dr. D. Zimmer, France; (5) Mr.

Primoz Banovec, Slovenia; (6) Dr. H. El-Atfy, Egypt; and (7) Prof. H. Malano, Australia.

Activities carried out:

WG-ENV held its 21st meeting at Kuala Lumpur on 10 September 2006 in which 12 members actively participated. During the meeting the member WG-ENV, Dr. Ge van den Eertwegh was elected as the Secretary. In the meeting, nominations received with respect to Dr. Illahi B. Shaikh (Pakistan); Er. P.S. Kelkar (India); Dr. Serge Marlet (France); and Mr. Taner Kimence (Turkey) were considered. The WG inducted them as new members. In addition to participation of 12 members, there were 37 observers and 1 permanent observer from FAO in the meeting. Deliberations were held regarding tenure of the Working Group. It was decided to have a time-targeted plan for completion of the pending task in two years i.e. 2006-2008. Further, it was decided to (i) focus on identification of pending tasks based on mandate, (ii) fix completion period for each task; (iii) generate satisfactory results on completion of each task and produce position papers, guidelines, checklist etc. (based on the completed tasks).

During the 57th IEC meetings, the Chairman, WG-ENV recommend the Working Group on Global Change and Irrigation (WG-CLIMATE) to take over the general issues of Climate Change Circulation Modeling and the impact of the postulated changes on management. The WG-ENV decided to take up other pending issues in a more focused manner and proposed to utilize a full day for the 22nd meeting-cum-workshop for deliberating the topics such as:

- Three Gorges Dam project and environmental aspects (China)
- Drainage disposal and solutes in drainage water (Australia)
- Effect of irrigation and drainage activities on wetlands (Australia; Morocco)
- Non-point pollution in irrigation districts and their

downstream effects (Korea)

- Environmental effects of new Nile barrier dams (Egypt)
- Drainage projects and their effects on the environment (Egypt)
- Environmental impacts of large dams (Pakistan)
- Monitoring the effects of irrigation and drainage schemes (France).

2.2 Working Group on Integrated Land and Water Resources Management (WG-ILWRM)

Mandate

- Prepare inventory of existing research results, principles and methodologies for managing land and water resources at the scale river basins where irrigation and drainage are represented in significant areas or volumes;
- Examine the recommendations already issued by GWP at global and regional scales in this domain, and identify possible gaps where ICID could complement GWP actions;
- Prepare inventory of decision making methods and tools in ILWRM;
- Identify best practices on selected river basins, and elaborate a methodological guide based on these best practices;
- Issue recommendations on short-term technical and economical actions, and on mid-term research, to be undertaken to promote ILWRM in irrigated and drained areas;
- Examine the specific case of ILWRM on transboundary basins in cooperation with the Working Group on Socio-economic Impacts and Policy Issues and the Working Group on History of Irrigation, Drainage and Flood Control.

Members :

(1) Dr. Alain Vidal, Chairman (France, 1993); (2) Dr. M.G. Bos, Vice Chairman (The Netherlands, 2002); (3) Mr. Russell Boals, Secretary (Canada, 2001); (4) Mr. A. de Jesus Mendes (Portugal, 1990); (5) Mr. L.K. Oosthuizen (South Africa, 1995); (6) Prof. C. Fasso (Italy, 1999); (7) Prof. Joachim Quast (Germany, 2000); (8) Mr. Yuansheng Pei (China, 2002); (9) Dr. Ricardo Segura Graino (Spain, 2002); (10) Mr. Denis Flett (Australia, 2003); (11) Dr. Chae-Soo, Kim (Korea, 2003); (12) Mr. M.S. Adamu (Nigeria, 2003); (13) Mr. V. Bhanumurthy (India, 2003); (14) Mr. Ezatollah Farhadi (Iran, 2005); (15) Dr. Mark Svendsen (USA, 2005); and (16) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers :

(i) Dr. T. Rieu, Chairman, Working Group on Socio-Economic Impacts and Policy Issues (France); (ii) Dr. W.F. Vlotman, Chairman, Working Group on Drainage (The Netherlands); (iii) Prof. N. Hacho, Chairman, Working Group on History of Irrigation, Drainage and Flood Control

(Japan); (iv) Dr. I. Makin (IWMI); (v) GWP representative; (vi) Dr. Daniel Renault (FAO).

Activities carried out:

WG-ILWRM held its 8th meeting at Kuala Lumpur on 10 September 2006 in which 7 members actively participated. WG-ILWRM was established in 1998 and completed its mandate in 2006. Since 2006 was the closing year of the Working Group, the Chairman reviewed the history, mandate and past activities of the Working Group. He informed that the Working Group was earlier known as the Working Group on System Analysis (1992) with Dr. T.H. Anstey (Canada) as its Chairman. The name of the WG was changed to the Working Group on Decision System for Water and Land Management (WG-DSWLM) in 1993. Prof. Dr. Istvan Ijjas (Hungary) became its Chairman in 1995. The name of WG was changed again in 1998 to Working Group on Integrated Land and Water Resources Management (WG-ILWRM). Dr. Alain Vidal (France) took over as Chairman of WG-ILWRM in 1999. The activities of the working group since 1998 can be summarized thus :

During 1998-1999, the French version of the Guide on "Remote Sensing and GIS applied to Irrigation and Drainage" was published by AFEID under support from the French Ministry of Agriculture and Fisheries. The updated LOGID software database was made available through the AFEID Web Pages. During 1999-2000, English translation of the Guide on "Remote Sensing and GIS" was published in the Journal Irrigation and Drainage. A Guide on Remote Sensing and GIS applied to Irrigation and Drainage was published in 2000. During 2001-2002, Dr. Hugh Turrall (Australia) presented his ILWRM country experience on "Australian Land Care Program". Prof. C. Fasso circulated a short summary paper titled "Innovative approaches to ILWRM in Italy" during the meeting in Seoul, Korea. Prof. Joachim Quast (Germany) presented three case studies from his Institute on "Precision Farming, Water Quality Concerns from Non-Point Sources, and Issues Facing Integrated Water Resources Management" during the Montreal meeting. Presentation on the "Spanish-Portuguese Experience in the Integration of River Basin Plans for Transboundary Rivers" was made by Mr. Aderito de Jesus Mendes (Portugal) and Dr. Ricardo Segura Graino (Spain) at the 18th Congress in July 2002. Mr. L.K. Oosthuizen (South Africa) presented his country case study on 'Changes in the Legal Framework Governing Water in South Africa'. During 2003-2004, at Montpellier, two presentations of ILWRM country experiences were made: (1) Prof. Yuansheng Pei from China on "Integrated Water Resources Planning and Management in China"; and (2) Prof. C. Fasso from Italy presented on ILWRM in the River Piave Basin. Dr. M.G. Bos (The Netherlands) presented a framework for ILWRM and the interaction between management and demand. During 2004-2005, Mr. John Mapson (Australia) presented the study report on "Murray-Darling Basin: Integrated Management". The 21st ICID European Regional Conference was held in Frankfurt and

Order (Germany) from 15-19 May 2005 and focused on the theme “Integrated Land and Water Resources Management: Towards Sustainable Rural Development”

A committee constituted during the seventh WG meeting in Beijing from within the WG including Dr. Alain Vidal Chairman, Vice President Svendsen (USA), and Mr. Russell Boals (Canada), Secretary, selected 3 papers from USA, China and Canada for publication in the Journal ‘Irrigation and Drainage Systems’. Drs. Vidal, Svendsen, and Bos will be preparing a synthesis article also for the same Journal. The Chairman during the Kuala Lumpur meetings (2006) indicated that it was important for ICID to select emerging topics and stay current. The Chairman thanked members for their contributions during the past 8 years and recommended its winding up having done impressively.

2.3 Working Group on Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS)

Mandate

- To identify and study the phenomena of drought and water scarcity in their various manifestations, and the ecological, social, economic and political implications thereof in the context of irrigated agriculture.
- To identify research priorities which will contribute to the achievement of the above-mentioned objectives, and to promote the execution of this research;
- To promote the development of appropriate technology packages to manage irrigated agriculture in situations of drought and water scarcity;
- To study and propose possible alternative cropping patterns suitable for situations of drought and water scarcity;
- To provide guidelines for the formulation of policies and decision support strategies for the management and utilization of water resources for irrigation under conditions of drought and water scarcity.

Members

(1) Dr. S. Nairizi, Chairman (Iran, 2000); (2) Dr. G.R. Backeberg, Vice Chairman (South Africa, 1999); (3) Mr. F. Dimick, Secretary (USA, 1998); (4) Dr. Ragab Ragab (Great Britain, 1998); (5) Dr. J.M. Rodriguez-Chaparro (Spain, 1998); (6) Dr. S. Szalai (Hungary, 1998); (7) Mr. A. Villocel (France, 1998); (8) Prof. R.P. Serralheiro (Portugal, 1999); (9) Mrs. Mu Jianxin (China, 2000); (10) Dr. Hussein El Atfy (Egypt, 2001); (11) Mr. Pulat Umarov (Uzbekistan, 2001); (12) Mr. Anthony John Horton (Australia, 2002); (13) Dr. Abdul Majeed (Pakistan, 2002); (14) Dr. Graziano Ghinassi (Italy, 2003); (15) Dr. D.K. Paul (India, 2003); (16) Dr. T. Watanabe (Japan, 2003); (17) Prof. Chang-Chi Cheng (Chinese Taipei, 2006); and (18) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers / Permanent Observers :

- (i) Prof. J.M. de Jager, Executive Team on Irrigation under Limited Water Availability (South Africa); (ii) Dr. S. Taniyama, Chairman, Asian Regional Working Group; (iii) WMO representative; (iv) Prof. L. Vermes, European Regional Working Group; (v) World Bank representative; (vi) FAO representative.

Activities carried out:

WG-IADWS held its 9th meeting at Kuala Lumpur on 11 September 2006 in which 12 members actively participated. Nomination of Prof. Chang-Chi Cheng (Chinese Taipei) for membership was considered and accepted during the time of the meeting.

The Working Group on Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS) was established in 1998 and is likely to complete its mandate in 2007. Prof. Chang-Chi Cheng from Chinese Taipei joined as a new member. The General Questionnaire on the water status of ICID member countries has been in circulation among the members. Ten countries have submitted responses to the questionnaire. A brief compilation by Dr. S. Nairizi / Dr. Sabetraftar, Iran was circulated among the members. The cooperation provided by ICID workbodies i.e. WG-CROP and WG-PQW was significant. Mr. Ghinassi (Italy) contributed to the development of the guidelines on ‘Crop Production under Water Limiting Conditions’. The IADWS annually publishes its newsletter and is available at the WG webpage <<http://www.wg-iadws.icidonline.org>>.

An internal workshop on ‘Irrigation under Drought and Water Scarcity’ was organized during the Kuala Lumpur in 2006. A similar internal workshop has been proposed to be organized during the 58th IEC meetings in September-October 2007 at Sacramento, USA. During this workshop the draft document, the WG recommendations, possible position paper and future activities would be discussed. The final draft of the WG will follow the framework indicated by Dr. G.R. Backeberg (South Africa).

2.4 Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)

Mandate

- To identify and disseminate various structural and non-structural measures of flood management; and
- To study the social, political and economic aspects of flood mitigation measures, ecologically sound development, international cooperation, as well as people’s participation in disaster preparedness.

Members

(1) Mr. Dick de Bruin, Chairman (The Netherlands, 2003); (2) Mr. J. Astier, Vice Chairman (France, 1990); (3) Prof.

J.L. Montanes, Secretary (Spain, 1987); (4) Mr. V.C. Ballard (Australia, 1992); (5) Dr. Takeshi Hata (Japan, 1993); (6) Dr. Lajos Szlavik (Hungary, 1996); (7) Prof. M.F. Viljoen (South Africa, 1997); (8) Mr. R. Jeyaseelan (India, 1998); (9) Mr. P. Burrows (Great Britain, 1999); (10) Dr. K. Emami (Iran, 1999); (11) Mr. Jin Soo Kim (Korea, 2000); (12) Dr. Illahi B. Shaikh (Pakistan, 2001); (13) Prof. Josip Petras (Croatia, 2002); (14) Mr. Ahmet Seren (Turkey, 2006); (15) Mr. Maurice Roos (USA, 2006); (16) Prof. dr. Franc Steinman (Slovenia, 2006); and (17) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers:

(i) FAO representative; (ii) UNDRRO representative; (iii) WMO representative; and (iv) World Bank representative

Activities carried out:

WG-CAFM held its 21st meeting at Kuala Lumpur on 11 September 2006 in which 9 members actively participated. Mr. Ahmet Seren (Turkey), Mr. Maurice Roos (USA) and Prof. dr. Frank Steinman (Slovenia) were accepted as new members of the Working Group during Kuala Lumpur meeting (2006). Two presentations were made : (1) 'Flash Floods and their Management in India' by Mr. R. Jeyaseelan (India), and (2) 'Hurricane Katrina' by Maurice Roos (USA) during Kuala Lumpur meetings.

A Special Issue of ICID Journal on 'Integrated Flood Management' (Issue No. 55 : Supplement 1) was released in July 2006. The paper titled "The Management of Riverine Flood Risk" has been accepted by the WG and proposed in the PCTA meeting as an ICID position paper on Flood Management. It has been circulated to all the National Committees for their views before placing it in the 58th IEC as ICID's position paper. The Working Group proposes to organize a half-day workshop on flood related aspects during the Sacramento (2007) meetings. The workshop would be a follow up on the "Special Issue : Integrated Flood Management" of ICID Journal and some actual flood problems in countries like USA (aftermath Katrina), India, China and others. IRNCID organized a workshop on 'Harmonic Coexistence with Floodwaters' in August 2006 at Tehran, Iran. A book on 'Flood Forecasting and Warning Systems' was published during the workshop. The papers were on flood risk management, educational aspects of floods, classification of the floods, drainage methods to deal with floods, flood zoning, application of GIS and integrated flood management. The Chairman of the Working Group intends to step down during Sacramento (2007) meetings and a new Chairman will be elected to succeed him.

2.5 Working Group on Sustainable Development of Tidal Areas (WG-SDTA)

Mandate

- To collect information about the natural environment in

tidal areas around the world.

- To identify sustainable development and conservation options in the tidal areas.
- To find a balance between the preservation and development of tidal areas.

Members :

(1) Dr. Park Sang Hyun, Chairman (Korea, Rep. of, 2002); (2) Mr. Jonathan Simm, Vice Chairman (Great Britain, 2002); (3) Ir. Henk P. Ritzema, Secretary (The Netherlands, 2002); (4) Ir. Mohd. Azhari Ghazalli (Malaysia, 2002); (5) Prof. Cai Lingen (China, 2002); (6) Dr. Indreswari Guritno (Indonesia, 2002); (7) Mr. E.J. James (India, 2002); (8) Dipl. Ing. Bernd Probst (Germany, 2003); (9) Mr. Ueda Kazumi (Japan, 2003); and (10) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers :

(i) Mr. Daesu Eo (Korea, Rep. of); (ii) Mr. Robiyanto Hendro Susanto (Indonesia); (iii) FAO/IPTRID Representative.

Activities carried out:

WG-SDTA held its 5th meeting at Kuala Lumpur on 12 September 2006 in which 8 members actively participated. The Working on SDTA was established in 2001 and was to complete its mandate by 2007. In view of some unfinished tasks, WG desires to continue till 2009.

The 5th ICID Workshop on SDTA was held on 15 September 2006 during Kuala Lumpur meetings. The material collected during the workshops is reclassified as per the proposed chapters of the Handbook. The WG has been organizing workshops since 2002 covering all the study items proposed during Montreal meeting. Participating NCs were requested to provide three types of contributions – (a) Type 1 : Overall compilation and editing of one chapter by a particular country member; (b) Type 2 : Contributions for the sub-chapters; and (c) Type 3 : Case studies. Since the publication is not exactly a handbook, it was decided to change the title to : "Towards sustainable development of tidal areas : some principles and experiences". Ir. J. Simm (UK) and Mr. Henk Ritzema (The Netherlands) derived "Vision, Principles and Objectives" for SDTA. During the Kuala Lumpur meeting, the vision and principles were discussed and approved after some modifications. A format has been prepared and distributed to finalize case studies. Accordingly, it was decided to have the Chapters reviewed by other members: each NC will review a chapter prepared by another NC. Dr. Park, Mr. Simm and Mr. Ritzema will organize the review. It was decided to divide the work on the publication in four phases - (a) Handbook consisting of 7 chapters; (b) CD with all contributions to chapters and case studies; (c) position paper on SDTA; and (d) A special issue of ICID Journal on Irrigation and Drainage. A draft position paper will be prepared and discussed during the Sacramento meeting in 2007. A half-day workshop will also be organized

during the Sacramento meetings to discuss the final draft of Handbook and contributions of new member countries. The Korean NC has graciously offered to provide the funds to print the proceedings. The WG has proposed to extend the duration of the working group to complete the unfinished items or products and complete the mandate by 2009.

2.6 Working Group on Global Climate Change and Irrigation (WG-CLIMATE)

Mandate

- Rising global temperatures
- Altered rainfall patterns
- Melting polar icecaps and retreating mountain glaciers
- Rising sea levels
- Increasing climatic variability
- Increasing incidence of extreme climatic events
- Increasing atmospheric CO₂ concentrations

Members :

(1) Dr. Mark Svendsen, Chairman (USA, 2006); (2) Dr. Tsugihiko Watanabe, Vice Chairman (Japan, 2006); (3) Prof. Roland E. Schulze, Secretary (South Africa, 2006); (4) Dr. Henri Tardieu (France, 2006); (5) Dr. Karim Shiati (Iran

2006); and (6) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers :

(1) Mr. Avinash C. Tyagi, WMO; (2) Dr. Claudia Ringler, IFPRI; and (3) Dr. Lisa Schipper, IWMI.

Activities carried out:

WG-CLIMATE held its 1st meeting at Kuala Lumpur on 12 September 2006. In the meeting, nominations for the membership were considered and approved. In addition to the 5 nominated members, there were 27 other participants/observers in the meeting from 16 different countries, indicating an overwhelming interest in the WG's work.

The Group discussed and agreed to a draft work-plan proposed by the Chairman Dr. Mark Svendsen. The key four activities for initial attention by the group viz. (i) Assemble country-specific electronic resources related to "GCC and water" for posting on or linking to the group's website, (ii) Organize international workshops at the next two IEC meetings (Sacramento in 2007 and Lahore in 2008) on GCC and water, (iii) Prepare case studies for the workshops, and (iv) Solicit information needs related to GCC from all other WG Chairpersons for consideration in finalizing the work-plan.

ICID Workbodies UNDER STRATEGY THEME: SYSTEMS

3.1 Working Group on Capacity Building, Training and Education (WG-CBTE)

Mandate

- Compile a set of selected cases to describe the current situation, draw lessons from these cases and prepare guidelines for best practices in land and water management on (i) the creation and establishment of an enabling environment, (ii) the institutional setting including beneficiary participation, and (iii) the development and strengthening of human resources and managerial systems;
- Compile the status of training and educational programmes offered in different regions, identify the training and education requirements, identify gaps and prepare guidelines for development and appropriate modification of education and training programmes and strengthening of education and training institutions to meet the changing requirements of the sector; and
- Facilitate the process of balancing education and training requirements, and provision and training services.

Members

(1) Prof. Tom Franks, Chairman, 2003 (UK, 1996); (2) Mr. A. Delacourt (France, 1996); (3) Dr. M. Satoh (Japan, 1998); (4) Dr. Ferri Putuhena (Indonesia, 1999); (5) Mr. Hu Heping (China, 1999); (6) Dr. Muhammad Latif (Pakistan, 2002);

(7) Mr. S.K. Das (India, 2003); (8) Prof. Dr. Atef Hamdy (Italy, 2004); (9) Prof. Dr. (Mrs.) Dalal S. Alnaggar (Egypt, 2004); (10) Mrs. Ir. Catharien Terwisscha van Scheltinga (The Netherlands, 2004); (11) Prof. Dorota Z. Haman (USA, 2004); (12) Mr. Kim Russell (Australia, 2005); (13) Mr. Joseph Benjamin Stevens (South Africa, 2006); (14) Prof. Chen-Wuing Liu (Chinese Taipei, 2006); (15) Prof. Javad Farhoudi (Iran, 2006); (16) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers :

(i) IPTRID representative; (ii) FAO representative; (iii) IWMI representative; (iv) Chairperson, WG-R&D; (v) Unesco-IHE; (vi) Ir. Paul van Hofwegen, Senior Water Management Expert, WWC.

Activities carried out:

One of the outstanding activities carried out by the WG-CBTE during the reporting period was the organization of its 4th series of workshop in Kuala Lumpur, Malaysia. The theme focus was on "Monitoring and Evaluation of Capacity-Development Programmes". The workshop was jointly sponsored by ICID's WG-CBTE and IPTRID/FAO. The sessions were able to accommodate 6 papers, which provided an insight into the processes of monitoring and evaluation of capacity-development programmes.

WG-CBTE also held its 11th meeting on 11 September 2006. In addition to 9 members, there were 16 observers from various countries including permanent observers from IPTRID and UNESCO-IHE. The nominations for membership received with respect to Mr. Joseph Benjamin Stevens (South Africa); Prof. Chen-Wuing Liu (Chinese Taipei); and Prof. Javad Farhoudi (Iran) were considered and accepted. In the meeting, while deliberating the future plans, actions were initiated for building up an in-line issue of Irrigation and Drainage Journal on Capacity Development. WG-CBTE concurrently constituted an Editorial Board with three members, namely, Mr. Tom Franks, Chairman, WG-CBTE; Mr. Carlos Garces, Program Manager, IPTRID and Mr. Ferry Putuhena, member, WG-CBTE. The Committee received 15 abstracts based on a request circulated amongst the Chairpersons workbodies and members National Committees. The Committee is expected to complete the reviewing processes of the in-line at Sacramento meeting. In the 11th meeting held at Kuala Lumpur, Malaysia, a decision was also taken to wrap up the WG-CBTE in Sacramento and constitute a successor Working Group to take up the challenges on capacity building further by giving a distinctive gap between the present WG-CBTE and its successor workbody.

3.2 Working Group on Drainage (WG-DRG)

Mandate

- To determine state-of-the-art of construction and maintenance of surface and subsurface drainage systems under various conditions;
- To investigate case histories concerning disposal and/or reuse of saline drainage water; and
- To develop simulation models.

Members :

(1) Dr. W.F. Vlotman, Chairman, 2001 (The Netherlands, 2000); (2) Dr. Sami Bouarfa, Secretary (France, 2003); (3) Prof. Dr. B. Maticic (Slovenia, 1987); (4) Dr. M.H. Amer (Egypt, 1988); (5) Mr. I. Dakar (Syria, 1991); (6) Dr. M.S. Adamu (Nigeria, 1992); (7) Ir. Keizrul bin Abdullah (Malaysia, 1994); (8) Dr. Chung Sang-Ok (Korea, 1996); (9) Mr. Chen, Hung-Kwai (Chinese Taipei, 1997); (10) Ms. Wang Shaoli (China, 1999); (11) Dr. E. Christen (Australia, 2000); (12) Dr. Mohammad Bybordi (Iran, 2000); (13) Mr. S.K. Das (India, 2001); (14) Dr. M. Nawaz Bhutta (Pakistan, 2002); (15) Mr. Rauno Peltomaa (Finland, 2002); (16) Dr. (Ms.) Waltina Scheumann (Germany, 2003); (17) Dr. James Ayars (USA, 2005); (18) Mr. AT van Coller (South Africa, 2006); (19) Mr. Nurgul Uzucek (Turkey, 2006); (20) Dr. Shinsuke Ota (Japan, 2006); (21) Dr. H. Fahmy (Egypt, 2006); (22) Dr. Yuri Yanko (Russia, 2006); and (23) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers / Permanent Observers :

(i) FAO representative; (ii) World Bank representative; (iii) Dr. C.A. Madramootoo (Canada); (iv) Mr. H. W. Denecke (IPTRID); (v) Mr. Aly M. Shady (Canada); (vi) Prof. dr. Bart

Schultz (Netherlands); (vii) Prof. H. Malano (Australia); (viii) Dr. Safwat Abdel-Deyam (Egypt).

Activities carried out:

WG-DRG held its 24th meeting at Kuala Lumpur on 10 September 2006 in which 10 members participated actively. In the meeting, nominations received for memberships with respect to Mr. Nurgul Uzucek (Turkey); Dr. Shinsuke Ota (Japan); Dr. H. Fahmy (Egypt); and Dr. Yuri Yanko (Russia) were considered and accepted. In the meeting, it was reported that the Group would hold a Special Session on Drainage at the time of the 4th International Conference on Irrigation and Drainage in Sacramento in conjunction with 58th IEC events.

The first “call for papers” for the 10th International Drainage Workshop on “Agricultural Drainage and Environment” scheduled to be held from 30 June to 4 July 2008 at Helsinki, Finland and Tallinn, Estonia has been widely distributed. Mr. Jaakko Sierla, on behalf of Mr. Rauno Peltomaa presented the preliminary programme of the workshop at Kuala Lumpur meeting.

As a part of the mandated activities, European Regional Working Group (ERWG), an International Workshop on “Social – Economic and Ecological Issues of Drainage Systems” was organized by the Russian National Committee (RUCID) in June 2006 in which the members of WG-DRG also participated actively.

3.3 Working Group on Development and Management of Irrigation Systems (WG-DMIS)

Mandate

- To provide a continuing focus in ICID for improvement of irrigation systems, combining design and construction with operation, maintenance and progressive modernization, managed to deliver the appropriate level of service to the users, on a financially, physically and institutionally sustainable basis.

Members :

(1) Prof. Hector Malano, Chairman (Australia, 1998); (2) Mr. Jacques Plantey, Vice Chairman (France, 1998); (3) Dr. M. Burton, Secretary (UK, 2002); (4) Dr. Huh, Yoo-Man (Korea, 1999); (5) Dr. J. Goussard (France, 1999); (6) Eng. Joa Braganca (Portugal, 1999); (7) Mr. Lee Tsong Hwei (Chinese Taipei, 1999); (8) Mr. Thomas Mitchell (USA, 1999); (9) Dr. Siripong Hungspreug (Thailand, 1999); (10) Ir. R. Brouwer (The Netherlands, 1999); (11) Dr. Jiesheng Huang (China, 1999); (12) Mr. Yoshimitsu Yukawa (Japan, 1999); (13) Prof. C. Fasso (Italy, 1999); (14) Prof. Jose Liria Montanes (Spain, 1999); (15) Mr. M.K. Siah (Iran, 2000); (16) Mr. Mahesh Chandra (India, 2002); (17) Dr. Dia al-Quosy (Egypt, 2003);

(18) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers :

(i) FAO representative; (ii) World Bank representative; (iii) IPTRID representative; (iv) IWMI representative; (v) Dr. Wayne O. Deason (USA); (vi) Mr. Peter S. Lee (UK); (vii) Dr. D. Zimmer (France); (viii) Mr. T. Franks (UK) and (ix) Mr. P.J.M. van Hofwegen (Netherlands).

Activities carried out:

WG-DMIS held its 9th meeting at Kuala Lumpur on 11 September 2006 in which 10 members actively participated. During the IEC events, the WG-DMIS organized an international workshop focusing on the theme “Modernization of Improved Service Delivery”. Five presentations were made on the occasion related to different aspects and approaches to modernization of irrigation and drainage systems and services.

The purpose for organizing the workshop was to bring together a experience on the processes associated with the implementation of the modernization projects and to define the scope of work for a future workbody. It proposed the creation of a new Working Group on Modernization of Irrigation Services (WG-MIS) with new terms of references. The Group concluded its operations in the Kuala Lumpur meeting with the organization of the workshop.

3.4 Working Group on Socio-Economic Impacts and Policy Issues (WG-SOCIO)

Mandate

- To establish evaluation parameters for judging economic, social and cultural changes brought about by irrigation development;
- To develop appropriate criteria for quantification of economic benefits as assessment of social benefits accruing from introduction of irrigation;
- To formulate guidelines for economic and financial analysis of irrigation projects; and
- To evaluate different models for financing and amortisation and financially sound management of irrigation projects.

Members :

(1) Dr. Thierry Rieu, Chairman (France, 1998); (2) Ms. Felicity Chancellor, Vice Chairperson until 2006 (UK, 2005); (3) Dr. (Ms.) Anisa Divine, Secretary (USA, 2000); (4) Mr. M.F. Viljoen (South Africa, 1998); (5) Mr. Mohd. Ali Fulazzaky (Indonesia, 1998); (6) Ing. Josef Miskovsky (Czech Republic, 1999); (7) Dr. S.A. Assadollahi (Iran, 2000); (8) Mr. Francois Lelandais (France, 2003); (9) Dr. Shahbaz Khan (Australia, 2003); (10) Mr. S.V. Sodal (India, 2003); (11) Prof. Sylvain Perret (South Africa, 2003); (12) Mr. Vicente Carcelen (Spain, 2003); (13) Prof. Yohei Sato (Japan, 2004); (14) Dr. (Mrs.) Margreet Zwarteveen (The

Netherlands, 2005); (15) Mr. Sezar Ercan (Turkey, 2006); and (16) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers / Permanent Observers :

(i) IFPRI representative; (ii) IWMI representative; (iii) World Bank representative; (iv) ADB representative; and (v) Mr. Waseem Nazir (Pakistan).

Activities carried out:

WG-SOCIO held its 9th meeting at Kuala Lumpur on 12 September 2006 in which 8 members actively participated. The membership nomination of Mr. Sezar Ercan (Turkey) was considered and accepted in the meeting.

Two questionnaires viz., ‘Analysis of the Role of Women in Irrigation’ as prepared by Dr. (Ms.) Anisa Divine, and ‘Comparative Analysis of Socio-economic Impacts of Different Institutional Arrangements of Irrigation and Drainage in Various Countries’ as prepared by Ms. Felicity Chancellor got circulated amongst all NCs and the group members. Responses received from a few National Committees are assembled. The group planned a workshop on ‘Socio-economic Impacts of Institutional Options for Sustainable Agricultural Water Management’ at Sacramento, USA in 2007. The WG-SOCIO will be concluding its activities at the Sacramento meeting and it would be explored as to how best its continued contribution can help the newly formulated Working Group on “Role of Irrigation on Poverty Alleviation and Livelihoods”, planned to take off in Sacramento (2007).

3.5 Working Group on Water Saving for Agriculture (WG-WATS)

Mandate

- To promote successful water conservation among member countries as part of appropriate water management;
- To understand and compare water conservation programs and lessons of member countries;
- To provide guidelines to member countries on national and regional water conservation programs;
- To promote the building of partnerships between member countries; and
- To recognize water saving successes.

Members :

(1) Eng. Hussein El-Atfy, Chairman (Egypt, 2000); (2) Dr. Alain Vidal (France, 1995); (3) Mr. John Osterberg (USA, 1995); (4) Dr. J.M.M. Mendiluce (Spain, 1996); (5) Dr. Hsu, Shiang-Kueen (Chinese Taipei, 1997); (6) Prof. Kaipeng Jiang (China, 2003); (7) Mr. D. Datta (India, 2003); (8) Mr. Neil Louis Lecler (South Africa, 2003); (9) Prof. Atef Hamdy (Italy, 2004); (10) Mr. Kim Russell (Australia, 2005); (11) Mr. Mehrzad Ehsani (Iran, 2006); and (12) Er. M. Gopalakrishnan, Secretary General, ICID.

Observer :

Mr. John Hennessy, President Hon. ICID (Great Britain).

Activities carried out:

WG-WATS held its 13th meeting at Kuala Lumpur on 12 September 2006 in which 5 members actively participated. Nomination of Mr. Mehrzad Ehsani (Iran) for membership was considered and accepted in the meeting.

A Workshop on “Water Saving Technologies in Tropical Regions of Asia” was held on 14 September 2006 at Kuala Lumpur. Twenty eight abstracts of the papers from six countries were received of which 19 papers were selected for presentation at the workshop. The group was in the

process of preparing a document “Innovative Technologies and Management for Water Saving in Agriculture”. The document contains the technical papers of the past WatSave Award winners and some select distinguished papers related to water savings.

Fourteen nominations from 7 countries were received for WatSave Awards 2006. The category-wise winners are- Dr. Nico Benadé (South Africa) for Innovative Water Management Award; Prof. Kang Shaozhong (China) for Technology Award; and Ms. Neelam Patel (India) for Young Professionals Award. The awards were jointly sponsored by the Malaysian National Committee (MANCID) and Spanish National Committee (CERYD).

ICID Workbodies UNDER STRATEGY THEME: ON-FARM

4.1 Working Group on Sustainable Use of Natural Resources for Crop Production (WG-CROP)

Mandate

- To execute and promote suitable crop-water and environmental models under hydric constraints;
- To promote methods to optimize irrigation water supplied under different agro-pedoclimatic conditions;
- To study methods and techniques for irrigation scheduling and to include use of rain and irrigation for sustained crop production and environment; and
- To promote appropriate techniques and models for environmental enhancement following UNCED's Agenda 21.

Members

(1) Dr. Ragab Ragab, Chairman (Great Britain, 1993); (2) Prof. A. Mermoud, Secretary (Switzerland, 1991); (3) Dr. B.I. Maticic (Slovenia, 1987); (4) Prof. M.E.V. Scarascia (Italy, 1988); (5) Prof. R.G. Allen (USA, 1991); (6) Mr. L.C. Tollefson (Canada, 1993); (7) Prof. Cai Lingen (China, 1995); (8) Prof. L. Vermes (Hungary, 1995); (9) Dr. Y. Nakano (Japan, 1996); (10) Mr. Tai Cheol Kim (Korea, 1996); (11) Dr. C.W.J. Roest (The Netherlands, 1999); (12) Dr. R. Lal Yadav (India, 2000); (13) Mr. Chen Yih-Rong (Chinese Taipei, 2001); (14) Dr. Shahid Ahmad (Pakistan, 2002); (15) Dr. I.I. Onwabiya (Nigeria, 2002); (16) Mr. Vincente Carelon (Spain, 2003); (17) Dr. Andrew Sanewe (South Africa, 2005); (18) Dr. Florent Maraux (France, 2006); and (19) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers / Permanent Observers :

(i) FAO representative; (ii) Mr. Herbert H. van Lier (CIGR); and (iii) Prof. D. Wrachien (Italy).

Activities carried out:

WG-CROP held its 20th meeting at Kuala Lumpur on 11 September 2006 in which 8 members actively participated. Nomination of Dr. Florent Maraux (France) for membership in the WG-CROP was considered and accepted in the meeting.

WG-CROP was established in 1986. The stipulated tenure of 6 years normally for a workbody having exceeded, it will strive to complete its mandate within next 3 years.

Dr. Graziano Ghinassi (Italy) submitted a report titled 'Guidelines for Food Production under Water Limiting Conditions' within the framework of collaboration between WG-CROP and WG-IADWS. A compilation of statistical data on area irrigated under major crops prepared by Mr. L.C. Tollefson (Canada) in cooperation with Mr. Jean-Marc Faures (FAO) came before the Committee. The information is a part of the AQUASTAT information system maintained by FAO.

The ongoing works in the Committee are manifold. Dr. Andrew Sanewe (South Africa) is working on a document titled 'Politics of genetically modified crops' in different African countries. Dr. Y. Nakano (Japan) is also working on a document on the situation of genetically modified crops in Asia. Enlargement of activities in the field of organic versus conventional farming will be implemented by Dr. R. Ragab (UK), in collaboration with Dr. Sanewe (South Africa) and Mr. L. Tollefson (Canada). The draft paper on “Efficient irrigation; inefficient communication; flawed recommendations” authored by Dr. Chirs Perry (UK) is in circulation among the WG members for their comments and suggestions. The CROP newsletter No. 2 has been published and uploaded on the webpage of the WG (<http://www.wg-crop.icidonline.org>). A lot of information, documents and links are available on this webpage. As far as documents on crop water requirements are concerned, the FAO-56

methodology continues to be widely used. One adjustment to the methodology has been proposed i.e. to adopt the surface resistance parameters in the FAO-Penman-Monheith equation, when applying it on an hourly or shorter basis.

An International Workshop on “Water Saving Practices in Rice Cultivation” was held on 14 September 2006 during the 57th International Executive Council at Kuala Lumpur. Dr Kuo Sheng-Feng (Chinese Taipei) made presentation on ‘Precision Agriculture’ during the session. The proceedings have been published along with a CD-ROM.

The WG will organize another workshop on “Water savings in conservation agriculture” during 59th IEC in 2008 at Lahore, Pakistan. Dr. Florent Maraux (France) will be the coordinator of this workshop. The first call for papers will be available during Sacramento meetings (2007).

4.2. Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)

Mandate

- To produce guidelines on irrigation management under poor quality waters, including saline and brackish water.

Members

(1) Dr. R. Ragab, Chairman (Great Britain, 1997); (2) Dr. Frans Huibers, Secretary (Netherlands, 1999); (3) Dr. Heinrich M. du Plessis (South Africa, 1998); (4) Dr. K. Shiati (Iran, 1997); (5) Dr. Jan Salek (Czech Republic, 1998); (6) Dr. N.K. Tyagi (India, 1998); (7) Mr. Jose Manuel Arango Maldonado (Mexico, 1998); (8) Dr. Wen-Lin Chang (Chinese Taipei, 1998); (9) Dr. Gao Zhanyi (China, 1998); (10) Dr. Samia El-Guindy (Egypt, 1999); (11) Dr. Ramzan Choudhry (Pakistan, 2000); (12) Mr. S. Seyama (Japan, 2001); (13) Mr. C.G. Croke (Australia, 2001); (14) Mr. Martin Roche (USA, 2002); (15) Ms. Esther O. Ogunniyi (Nigeria, 2002); (16) Mr. Ghannami Mohamed (Morocco, 2003); (17) Mr. Bernard Vincent (France, 2003); (18) Dr. Jorge Tarchitsky (Israel, 2004); and (19) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observer :

FAO representative.

Activities carried out:

WG-PQW held its 11th meeting at Kuala Lumpur on 12 September 2006 in which 9 members actively participated. A “Workshop on Environmental Consequences of Using Poor Quality of Water” was held on 14 September 2006. The proceedings of the workshop both in hard copies and CDs were produced in ICID Central Office and distributed. The group would organize a ‘Workshop on Desalination Technologies’ at its Sacramento meeting in 2007.

4.3 Working Group on On-Farm Irrigation Systems (WG-ON-FARM)

Mandate

- To promote the science and art of on-farm technology (mechanized and micro irrigation);
- To improve irrigation management and optimal use of resources, and its technology transfer; and
- To study its impact on crop yields and water usage under various situations and conditions.

Members :

(1) Mr. Felix Reinders, Chairman, 2004 (South Africa, 1998); (2) Dr. Peter Kovalenko, Vice Chairman, 2005 (Ukraine, 2001); (3) Mr. Stephen Mills, Secretary (Australia, 2001); (4) Prof. F. Ligetvari (Hungary, 1998); (5) Dr. H. Sourell (Germany, 1999); (6) Dr. Kim Sun-Joo (Korea, 1999); (7) Mr. Yun Shu-Shr (Chinese Taipei, 1999); (8) Mr. P. Ruelle (France, 1999); (9) Prof. Pedro Liao de Sousa (Portugal, 1999); (10) Mr. J. Dunn (Great Britain, 2002); (11) Mr. Yan Guanyu (China, 2002); (12) Mr. M.S. Bala (Nigeria, 2002); (13) Dr. J.A. Ortiz Fdz.-Urrutia (Spain, 2003); (14) Dr. J.E. Ayars (USA, 2003); (15) Mr. Graziano Ghinassi (Italy, 2004); (16) Prof. Y. Nakano (Japan, 2004); (17) Dr. A.K. Randev (India, 2005); (18) Mr. Hassan Shantia (Iran, 2006); and (19) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers :

- (i) Mr. Bruno Molle (France); and (ii) FAO representative.

Activities carried out:

WG-ON-FARM held its 9th meeting at Kuala Lumpur on 12 September 2006 in which 14 members actively participated. The nomination of Mr. Hassan Shantia (Iran) was considered in the meeting and accepted. With the leadership of the Israeli National Committee (ISCID), a manual “Guidelines for Planning and Design of Micro-Irrigation in Arid and Semi-Arid Areas” authored by Moshe Sne was brought out by the Central Office. The publication was released by President Peter Lee at the opening ceremony of the 7th International Micro Irrigation Congress (IMIC) held in September 2006 at Kuala Lumpur.

The 7th International Micro Irrigation Congress was held from 13 to 15 September. The event was attended by over 300 delegates. The key outcome/ recommendations of the 7th IMIC were widely circulated among all National Committees and professionals.

An updated data on sprinkler and micro irrigated areas in member countries has been compiled and posted on ICID website for free download.

PERMANENT COMMITTEE ON STRATEGY PLANNING AND ORGANIZATIONAL AFFAIRS (PCSPOA)

Mandate

The Committee shall be concerned with increasing the number of member countries and assisting the National Committees to become more active in their own countries and to achieve goals set for them from time to time. The Committee will also undertake issues related to strategic planning for ICID and coordinate the activities of Vice Presidents in their areas.

Members :

(1) Vice President Hon. Engr. I.K. Musa, Chairman from 1 April 2006 to 14 September 2006 and since then Vice President Hon. Dr. Alain Vidal, Chairman, 2006 (France, 2003); (2) Vice President Dr. YooMan, HUH (Korea, 2004); (3) Vice President Dr. Hussein El.Atfy (Egypt, 2004); (4) Vice President Dr. G.G. Guluyk (Russia, 2004); (5) Vice President Dr. Mark Svendsen (USA, 2005); (6) Vice President Mr. Felix B. Reinders (South Africa, 2005); (7) Vice President

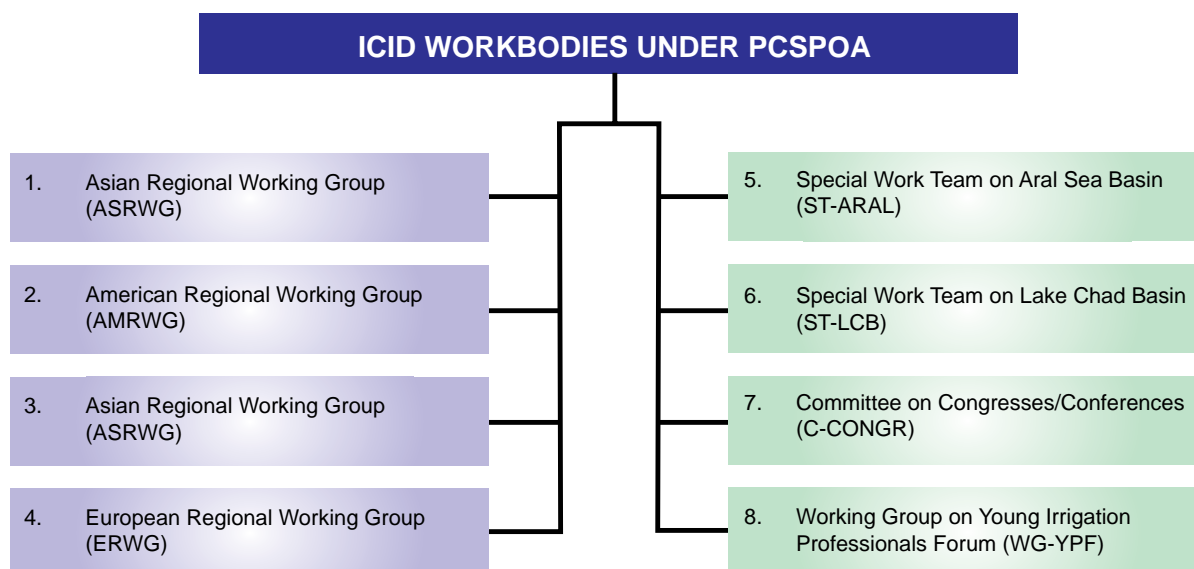
Dr. Gao Zhanyi (China, 2005); (8) Vice President Dr. Ing. Eiko Lübbe (Germany, 2006); (9) Vice President Dr. Karim Shiati (Iran, 2006); (10) Vice President Ir. Mohd. Azhari bin Ghazalli (Malaysia, 2006); (11) Vice President Hon. Mr. R. Jeyaseelan (India, 2003); (12) Vice President Hon. Prof. Victor A. Dukhovny (Uzbekistan, 2003); and (13) Er. M. Gopalakrishnan, Secretary General, ICID.

Ex-Officio Members :

(1) Chairman, AFRWG; (2) Chairman, ERWG; (3) Chairman, ASRWG; (4) Chairman, AMRWG; (5) Chairman, ST-ARAL; (6) Chairman, ST-LCB; (7) Chairman, C-CONGR ; and (8) Chairman, WG-YPF.

Permanent Observers :

(i) FAO representative; (ii) World Bank representative; (iii) GWP representative; and (iv) WWC representative.



5.1 African Regional Working Group (AFRWG)

Mandate

- To promote links and networking among the African countries as well as regional and international institutions for enhancing cooperation and coordination, and
- To support integrated river basin development, training and research issues and information system for African needs.

Members

(1) Engr. I.K. Musa, Chairman, 2000 (Nigeria, 1996);

(2) Dr. H. Fahmy, Vice Chairman (Egypt, 1996); (3) Mr. M.S. Bala, Secretary (Nigeria, 2002); (4) Ms. Raphaele Ducrot (France, 1999); (5) Dr. Sizwe Mkhize (South Africa, 2001); (6) Mr. Makonnen Loulseged (Ethiopia, 2002); (7) Morocco representative; and (8) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers :

(i) FAO representative; (ii) World Bank representative; (iii) IPTRID representative (iv) Mr. Jean Syroganis Camara (Italy); (v) Mr. A. de Vito (Italy); (vi) Mr. Deric S. Mono (Zambia); and (vii) Ms. Felicity Chancellor (Great Britain).

Activities carried out:

AFRWG held its 17th meeting at Kuala Lumpur on 10 September 2006. Regional Association on Irrigation and Drainage in West and Central Africa (RAID-ARID) as well as that of Southern African Regional Irrigation Association (SARIA) have been actively participating in the activities of the AFRWG. The 57th IEC at the recommendation of the PCSPOA approved the status of a Permanent Observers to ARID and SARIA on ICID work bodies.

The South African National Committee (SANCID) has volunteered to hold the 2nd African Regional Conference at Johannesburg, South Africa from 6-9 November 2007.

5.2 American Regional Working Group (AMRWG)

Mandate

- To assist in the development of broad-based ICID National Committee in each Latin American country;
- To obtain and disseminate information on irrigation and drainage in Latin America;
- To organize national and international discussions on relevant scientific and technical issues; and
- To provide the catalyst for promoting better contact with the ICID and other relevant international organizations.

Members

(1) Dr. Luis Rendon Pimentel, Convener (Mexico, 2004); (2) Dr. Dennis Wichelns (USA, 2005); (3) Dr. Jaime Collado (Mexico, 2005); (4) Representative from Brazil; (5) Representative from Canada; (6) Representative from Chile; (7) Representative from Guyana, and (8) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers

(i) Dr. Jose A. Ortiz Fdz.-Urrutia (Spain); and (ii) Portuguese representative.

Activities carried out:

AMRWG held its 3rd meeting at Kuala Lumpur on 11 September 2006 in which 3 members actively participated. In order to attract a wider participation from ICID National Committees in Americas, AMRWG now covers countries from both North and South America. The Central Office is in contact with nine inactive National Committees for reviving their memberships. At Kuala Lumpur (2006), the elections of Chairman, Vice-Chairman and Secretary could not be held during the working group meeting due to non-attendance of the members. It was decided to postpone the elections till Sacramento meetings (2007) in USA.

The Brazilian National Committee of ICID (ABID) co-hosted the XVI National Congress on Irrigation and Drainage (CONIRD) in Brazil with the invited participation of

President Peter Lee. Ing. Helvecio Mattana Saturnino, President of ABID had been coordinating and supporting a meeting of available AMRWG members at Goiânia in Brazil. ABID organized a special seminar on 28 June 2006 as a part of XVI CONIRD. Mr. Peter S. Lee, President, ICID delivered a Keynote Speech during the meeting. Ing. Saturnino had shown great interest in participating in the activities of the AMRWG. The AMRWG will be organizing a workshop on 'Water Reforms and Pricing' during 58th IEC at Sacramento, USA in 2007.

5.3 Asian Regional Working Group (ASRWG)

Mandate

- To focus on common topics and issues;
- To enhance the transfer of appropriate technology in irrigation and drainage to and from the Asian Region; and
- To encourage membership and to coordinate activities in the region.

Members :

(1) Vice President Hon. Dr. Shigetaka Taniyama, Chairman from 1 April 2006 to 14 September 2006 and from 15 September 2006 onwards Dr. Karim Shiati, Chairman, (Iran, 1997); (2) Ir. Mohd. Azhari Ghazali, Secretary (Malaysia, 1997); (3) Mr. Anthony J. Horton (Australia, 1997); (4) Mr. Khem Raj Sharma (Nepal, 1997); (5) Eng. A.S. Manoharadas (Sri Lanka, 1997); (6) Dr. Siripong Hungspreug (Thailand, 1998); (7) Mr. Bakhodyr M. Yusupov (Uzbekistan, 1998); (8) Mr. Waseem Nazir (Pakistan, 1999); (9) Mr. Kuo, Sheng-Feng (Chinese-Taipei, 2001); (10) Mr. Sastrodihardjo Siswoko (Indonesia, 2002); (11) Mr. Li Daixin (China, 2003); (12) Mr. C.D. Khoche (India, 2006); (13) Mr. Taner Kimence (Turkey, 2006); (14) Mr. Tai-Cheol Kim (Korea, 2006); (15) Mr. Shinsuke Ota (Japan, 2006); and (16) Er. M. Gopalakrishnan, Secretary General, ICID.

Observers / Permanent Observers :

(i) Dr. Tu Phuc Tuong (IRRI); (ii) Dr. Klaus Siegert (FAO); (iii) Mr. Nanda Abeywickrema (IWMI); (iv) Mr. H.W. Denecke (IPTRID); (v) Mr. Geoffrey Spencer (World Bank); (vi) Dr. Theib Oweis (ICARDA); (vii) Dr. David J. Groenfeldt or alternate Mr. Peter P.C. Sun (INPIM); (viii) Dr. W.F. Vlotman (Netherlands) and (ix) Mekong River Basin Representative.

Activities carried out:

ASRWG held its 13th meeting at Kuala Lumpur on 10 September 2006 in which 12 members actively participated. In addition to the 12 members, there were 34 observers belonging to various Asian countries showing an overwhelming interest in the ASRWG activities.

Nominations of Mr. C.D. Khoche (India); Mr. Taner Kimence (Turkey); Mr. Tai-Cheol Kim (Korea); and Mr. Shinsuke Ota (Japan) received from the respective National Committees

of ICID were considered and accepted. During the meeting, a new Chairman for the Group, namely, Dr. Karim Shiati was also elected since Dr. S. Taniyama had decided to step down after providing his guidance for a near decade for the activities. ASRWG enabled to conduct 3rd Asian Regional Conference on 13-15 September 2006 at Putra World Trade Centre, Kuala Lumpur together with 7th International Micro-Irrigation Congress. ASRWG in its 13th meeting fully supported the Asian Drainage Programme for the Humid Tropics (ADPHT) and Eradication of Information Gap in Asian Region. The National Committees of Australia (ANCID), The Netherlands (NETHCID), Malaysia (MANCID), and Iran (IRANCID) including IPTRID had shown interest to contribute and get involved in the activities of ADPHT. Further actions required for obtaining the cooperation from Global Peat Initiative, Food and Agriculture Organization (FAO), BOAO Forum for Asia, International Society of Paddy and Water Environment Engineering (PAWEES), International Network of Water, Environment and Paddy Fields (INWEPPF) were also considered and follow up actions were initiated. ASRWG extended its full support and coordinated various activities for organizing the 2nd Special Session of TF-LDCsAS, 4th Asian Regional Conference and 10th International Participatory Irrigation and Management (PIM) Seminar at Tehran, Iran in May 2007. During the 13th meeting, ASRWG took up the matter related to organizing 5th and 6th ARC respectively at India and Indonesia in 2009 and 2010 and providing possible contributions to the 5th World Water Forum to be held at Istanbul, Turkey in 2009.

5.4 European Regional Working Group (ERWG)

Mandate

- To promote awareness about critical ICID relevant water issues at all levels in Europe; and
- To pay special attention to the environmentally sustainable water management in Europe.

Members :

(1) Dr.-Ing. Eiko Lubbe, Chairman (Germany, 2002); (2) Prof. Dr. Peter Kovalenko, Vice Chairman, 2005 (Ukraine, 1999); (3) Dr. Laszlo Hyde, Secretary (Hungary, 2005); (4) Prof. dr. Brane Maticic (Slovenia, 1996); (5) Dr. Michele Angelo Cuccaro (Italy, 1996); (6) Mr. Y. P. Goussenkov (Russia, 1996); (7) Prof. Dr. Ion Nicolaesco (Romania, 1996); (8) Prof. Dr. Robert Brouwer (The Netherlands, 1996); (9) Mr. Pedro Eduardo da Cunha Serra (Portugal, 1996); (10) Mr. Nicos Tsiourtis (Cyprus, 1996); (11) Prof. Dr. Svatopluk Matula (Czech Rep., 1997); (12) Dr. Antanas Maziliauskas (Lithuania, 1997); (13) Mr. Peter Borrows (Great Britain, 1998); (14) Dipl.-Ing. Frederick M. Cate (Austria, 1998); (15) Dr. Ricardo Segura (Spain, 1999); (16) Dr. Henry Tardieu (France, 1999); (17) Mr. Jaakko Sierla (Finland, 2001); (18) Dr. Davor Romic (Croatia, 2002); (19)

Dr. Zvonimir Vukelic (Macedonia, 2002); (20) Mr. Mati Tonismae (Estonia, 2002); (21) Prof. Dr. A. Poulouvassilis (Greece, 2003); (22) Dr. John Martin (Ireland, 2003); and (23) Mr. Peter Pantelic (Serbia-Montenegro, 2003); and (24) Er. M. Gopalakrishnan, Secretary General, ICID.

Observer :

Mr. Mohammed Binbilidia (IME, France).

Ex-Officio Members :

(i) Ing. Frank Sparling, Chairman, ERWG Work Team on European Water Framework Directive (Germany); (ii) Dr. G.G. Guluyk, Chairman, ERWG Work Team on Drainage (Russia); and (iii) Mr. L. Vermes (European Regional Working Group).

Activities carried out:

ERWG held its 12th meeting at Kuala Lumpur on 11 September 2006 in which 8 members actively participated.

Two River Basin Management projects with German participation were 'Water Management Tasks in the Summer Polders of the Nemunas Lowlands' together with Lithuania and 'Flood Modeling in the Upper Dniester Valley' together with Ukraine. Prof. Joachim Quast (Germany) informed the members that these projects have now been finalized and the results will be published in English. The cooperation with Central and Eastern Europe Global Water Partnership (CEE-GWP) and World Wide Fund for Nature (WWF) will continue. ERWG members further agreed to continue the dialogue on the following topic : the WFD and its implementation through tools of the Common Agriculture Policy in the years 2007-2013.

Prof. Vermes (Hungary), Chairman of European Work Team on Drought (EWTDRDRO) indicated his desire to retire from the chairmanship of EWTDRDRO. The members acknowledged his extremely valuable contributions and expressed appreciation for his work.

The EU document 'Flood Risk Management, Flood Prevention, Protection and Mitigation', which was replaced by a draft Directive in June 2005, was discussed among the 25 Member States (MS) of the EU and political agreement reached on 12 June 2006. The project on 'Irrigation Management Transfer in European Countries of Transition', started in 2003, has been completed. The project results have been published under the title "Irrigation Sector Reforms in Central and Eastern European Countries" and distributed in the form of hard copies and CD. The WG intends to develop guidelines on instruments and tools for sustainable irrigation management based on the project results. Prof. Kovalenko distributed a new proposal for the Phase II of the project "Irrigation Sector Reforms in Central and Eastern European Countries", prepared by the Ukrainian National

Committee and Prof. Bart Schultz (The Netherlands). The ERWG Letter 16 had been published and distributed during the Kuala Lumpur meetings (2006).

The Russian National Committee on Irrigation and Drainage (RUCID) in cooperation with Ministry of Agriculture, Russian Federation, organized an International Workshop on 'Social – Economic and Ecological Issues of Drainage Systems' during 21-23 June 2006 at St. Petersburg, Russia under the leadership of Vice President G.G. Guluyk, Chairman, RUCID.

The 22nd European Regional Conference (ERC) of ERWG will be held in Pavia, Italy during 2-6 September 2007. The main theme of the Conference will be 'Water Resources Management and Irrigation and Drainage Systems Development in the European Environment'. During the 22nd ERC, the following international workshops will be organized –(a) Workshop on 'History of Irrigation, Drainage and Flood Control' on 2 September 2007; (b) Workshop on 'European Framework Directive in the field of Water Policy' on 4 September 2007.

5.5 Special Work Team on Aral Sea Basin (ST-ARAL)

Mandate

- To assist in establishing broad based ICID National Committees in each Aral Basin country;
- To obtain and disseminate information on problems of Aral basin to other ICID countries with similar problems;
- To organize national and international discussions on related scientific and technical issues in the basin; and
- To cooperate with other international organizations in related activities.

Members :

(1) Prof. V. Dukhovny, Chairman, 2005 (Uzbekistan, 1994); (2) Mr. Geoff Pearce, Secretary (UK, 1997); (3) Mr. John Osterberg (USA, 1996); (4) Dr. M.G. Bos (The Netherlands, 1998); (5) Prof. N. Hatcho (Japan, 2002); (6) Eng. M.S. Adamu (Nigeria, 2002); (7) Acad. Boris Kizyaev (Russia, 2002); (8) Mr. Ron W. Coley (Canada, 2003); (9) Mr. M. Falciai (Italy, 2004); (10) Mr. Bernard Vincent (France, 2005); and (11) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers :

(i) Prof. Daene C. McKinney (IWRA); (ii) Dr. Carlos Garces-Restropo (IPTRID); (iii) World Bank Representative

Activities carried out:

ST-ARAL held its 13th meeting at Kuala Lumpur on 12 September 2006 in which 6 members actively participated. Mr. Geoff Pearce (UK) and Dr. M.G. Bos (The Netherlands) had indicated a desire to withdraw their memberships

from ST-ARAL. The Chairman accepted their request and thanked them for their cooperation. Victor A. Dukhovny deliberated various issues such as tenure of the ST-ARAL, Work Team/Country membership, progress regarding Aral Sea Basin, Capacity Building Programs activated in Aral Sea basin and reviewed the progress on implementation of ICID Strategy on ICID Vision. Based on a request made by Chairman, ST-ARAL, IPTRID distributed Aral Sea Basin Report in bilingual languages (Russian and English) for a wider dissemination amongst large stakeholders of the region. Issues on "Scientific and technical framework for transfer of Siberian water to Central Asia" were also dealt with. The Chairman informed about the new political and social trend of the region in water and other natural resources trading and its impacts in water transfer from Siberia to Central Asia. The Chairman, ST-ARAL stressed the need for considering the impact of climate change in precipitation, temperature and humidity of the air on the water resources of the region; glacier melting on the rivers flow; and water consumption of crops. He forwarded his views to the Chairman, WG-CLIMATE for consideration and taking up the matter further.

5.6 Special Work Team on Lake Chad Basin (ST-LCB)

Mandate

- To assist in the establishment of broad based ICID National Committees in each of the Lake Chad Basin country;
- To obtain and disseminate information on the problems of Lake Chad Basin to other ICID member countries with similar problems;
- To organize national and international discussions on related scientific and technical issues in the basin; and
- To co-operate with other international organizations in related activities.

Members :

(1) Engr. Bukar Wakil, Chairman (Nigeria, 2005); (2) Engr. M.S. Adamu (Nigeria, 2005); (3) Dr. Sizwe Mkhize (South Africa, 2005); (4) Dr. H. Fahmy (Egypt, 2005); (5) Prof. Tom Franks (Great Britain, 2005); (6) Prof. V.A. Dukhovny (Uzbekistan, 2005); and (7) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers :

(1) LCBC Representative; (2) IPTRID Representative; and (3) World Bank Representative.

Activities carried out:

ST-LCB held its 1st meeting at Kuala Lumpur on 11 September 2006 in which 7 members actively participated. The Work Team proposed that in order to carry out the Team's activities effectively, it is necessary that all countries of the Basin become members of ICID by forming broad-

based National Committees. Lake Chad Basin Commission (LCBC) has been seeking expert assistance of TF-IBWT in addition to the AFRWG to provide peer review of the work of the consultants on Oubagui Basin to Lake Chad Basin Water Transfer. The WT supported the call and suggested formation of peer review teams with representation from TF-IBWT, AFRWG, ICOLD and other technical workbodies, to provide the needed technical expertise to LCBC.

The draft three-year work plan (2007 to 2009) showing year-wise activities of the Team in the light of the TOR was discussed and adopted. The LCBC, FAO/IPTRID, CIDA, The World Bank and ARID-RAID were invited to nominate a representative of their organizations on the Work Team as a Permanent Observer.

5.7 Committee on Congresses/Conferences (C-CONGR)

Mandate

- To recommend general improvement in conduct of Congresses/Conferences sessions;
- To recommend tasks and duties for General Reporters and Panel of Experts for Congress Questions and Special Session;
- To study and establish, if needed, the basic guidelines for recommending the tasks and responsibilities of National Organizing Committees;
- To establish appropriate procedures for selection of Congress Questions, Special Sessions and Symposia;
- To establish procedures for scheduling of most appropriate workshops, seminars, etc. to be held at the time of Congress;
- To make recommendations on the number and type of simultaneous meetings at Congresses/Conferences in order to improve effectiveness and attendance;
- To study and accord advice to the National Committees, for methods to adopted in each case for an effective follow-up of the Conclusions and Recommendations of Congresses/Conferences; and
- To make recommendations on printing the proceedings for distribution of abstracts in advance.

Members :

(1) Dr. I.B. Shaikh, Convenor, 2005 (Pakistan); (2) Mr. Gao Zhanyi (China); (3) Ir. Mohd. Azhari bin Ghazalli (Malaysia); (4) Nigerian Representative, NINCID (Nigeria); (5) US Representative, USCID (USA); (6) Indonesian Representative, INACID (Indonesia); (7) South African Representative, SANCID (South Africa); (8) Iranian Representative, IRNCID (Iran); (9) Italian Representative, ITAL-ICID (Italy); (10) Er. M. Gopalakrishnan, Secretary General, ICID; and (11) Dr. Vijay K. Labhsetwar, ICID Central Office (Coordinator).

Activities carried out:

C-CONGR held its 17th meeting at Kuala Lumpur on 11 September 2006 in which 6 members participated.

Dr. Illahi B. Shaikh (Pakistan) is the Convener of the Committee who is also the Chairman of the 20th ICID Congress (2008) preparatory committee at Lahore, Pakistan. The preparations of the 20th Congress were reviewed during the meetings held at Kuala Lumpur (2006). Since many professionals cannot attend the ICID Congress of a longer duration (say 11 days), Mr. Peter S Lee, President, ICID and Mr. R. Jeyaseelan, Vice President Hon. ICID suggested that the Congresses of ICID be restricted to about 7 days. PANCID considered this and agreed to reschedule the Congress for 7 days i.e. 13-19 October 2008. The topics and sub-topics and the titles of the special sessions and symposium for the 20th Congress have been approved by a Special Work Team under PCTA. The Calls for Papers have been issued.

Mr. Larry D. Stephens of U.S. National Committee on Irrigation and Drainage (USID) apprised about the planning and organization of the 58th IEC meeting to be held during 30 September-05 October 2007 at Sacramento, USA. The details of this event can be accessed at <http://www.uscid.org>.

Dr. Gao Zhanyi of Chinese National Committee on Irrigation and Drainage (CNCID) made valuable suggestions based on their experiences of the 19th Congress. The contact coordinates for Lahore Congress are: (a) Dr. Syed Raghob Abbas Shah, Secretary General and Organizing Committee, E-mail : gcmw@wapada.gov.pk; Cell No. +92 333 4257879 and (b) Conference Secretariat, 506 WAPDA House, Lahore, Pakistan. Phone : +92 42 9202538; Fax : +92 42 9202154; E-mail : icid@icid2008.org and website : www.icid2008.org

5.8. Working Group on Young Irrigation Professionals Forum (WG-YPF)

Mandate

- To provide an international platform for young irrigation and drainage professionals and to encourage and promote amongst the young professionals a high standard of professional development in the subjects of irrigation, drainage and environment.
- To facilitate the development, acquisition and wider dissemination of knowledge and information about irrigation, drainage, flood control and environment amongst the young professionals.
- To maintain and enhance links with national and international youth having interests in the related subjects or the activities relevant to ICID objectives.
- To educate young professional about ICID's role, objectives, activities, structure, constitution and Bylaws.

Members :

(1) Dr. Ali Reza Salamat, Chairman, 2003 (Iran, 2000); (2) Mr. Sanjay Belsare, Vice Chairman, 2005 (India, 2003); (3) Ms. Nepveu de Villemarceau au Audrey, Secretary (France, 2002); (4) Dr. Hesham Kandil (Egypt, 1996); (5) Mr. Jong Min Park (Korea, 1998); (6) Ir. Maurits Ertsen (The Netherlands, 2002); (7) Mr. Tero Karkkainen (Finland, 2002); (8) Ms. E. O. Ogunniyi (Nigeria, 2002); (9) Dr. Nariman Shamsutdinov (Russia, 2003); (10) Ms. Jianxin Mu (China, 2003); (11) Mr. Bennie Grové (South Africa, 2003); (12) Mr. Hidekazu Tagashira (Japan, 2006); (13) Engr. Qazi Tallat Mahmood Siddiqui (Pakistan, 2006); and (14) Mr. Velayudan, Sv., Kalaiselvam (Malaysia, 2006).

Activities carried out:

WG-YPF held its 12th meeting at Kuala Lumpur on 11 September 2006 in which 6 members participated. In the meeting, new nominations received for memberships with respect to Mr. Hidekazu Tagashira (Japan); Engr. Qazi Tallat Mahmood Siddiqui (Pakistan); and Mr. Velayudan, Sv., Kalaiselvam (Malaysia) were considered and accepted.

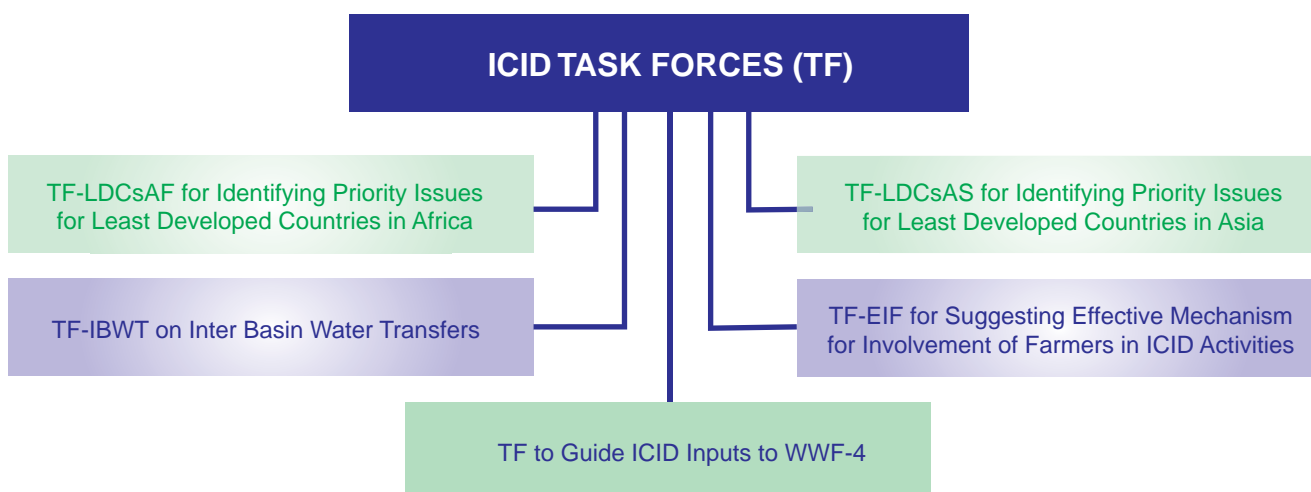
During the meeting the procedures, which were to be followed for establishing the Young Professionals Forum (YPF), preparation of young professional directory, establishment of a network for young professionals through development of a web-based platform and encouragements required

for participating young professionals in various ICID/ International activities were taken into consideration.

WG-YPF was able to have its YPFs in 23 National Committees. PANCID is working on the modalities for establishing the YPF. WG members namely Mr. Belsare (India), Mr. Bennie Grove (South Africa) and Mr. Hidekazu Tagashira (Japan) are in the job of preparation of respective YPF Directories. The follow up actions required for fulfillments of the targeted goals had also been taken.

The main objectives which are to be accommodated in the web-based platform while developing its modules are pinpointed followed by a discussion of the Chairman, WG-YPF with Dr. Ir. Maurits Ertsen (NETHCID). The WG-YPF will focus on an international platform for young irrigation and drainage professionals for acquisitions and wider dissemination of knowledge and information about irrigation, drainage, flood control and environment. The YPF also developed its own website with a link for enabling all the YPF members to register their names to enable sharing knowledge and information. More than 700 young professionals are so far registered through this link and availed the opportunities. WG-YPF published its own Newsletter depicting the activities carried out by young professionals in various National Committees of ICID. This was distributed amongst WG-YPF members and ICID Stakeholders at Kuala Lumpur, Malaysia.

ICID Task Forces



6.1 Task Force for Identifying Priority Issues for Least Developed Countries in Africa (TF-LDCs-AF)

This Task Force emerged at the instance of AFRWG with the mission as per the mandate indicated below :

- To create a Knowledge Base to understand the problems faced by Least Developed Countries in Africa;
- To work out requirements of the LDCs;
- To identify level and extent of support from ICID and

explore the avenues for bilateral/multilateral cooperation.

Members :

(1) Engr. I.K. Musa, Chairman, 2005 (Nigeria); (2) Dr. Hussam Fahmy (Egypt); (3) Dr. Sizwe Mkhize (South Africa); (4) Mr. Moise Sonou (ARID); and (5) Er. M. Gopalakrishan, Secretary General, ICID.

Activities :

TF-LDCsAF held its 2nd meeting at Kuala Lumpur on 11

September 2006 in which 3 members actively participated. At the meeting, the Task Force discussed extensively on ways and means to reactivate the inactive Least Developed Countries (LDCs) and also to bring other LDCs under ICID fold. In particular, it was proposed that the regional organizations like - Regional Association on Irrigation and Drainage in West & Central Africa (RAID-ARID), Southern African Regional Irrigation Association (SARIA), Forum for Agricultural Research in Africa (FARA) and River Basin Organizations (RBO) should be contacted to identify focal person or National Director of Irrigation where such office exists in ICID non-member countries amongst the LDCs of Africa. The TF has proposed to complete all its activities by the 20th ICID Congress to be held in Lahore, Pakistan in 2008.

6.2 Task Force for Least Developed Countries in Asia (TF-LDCsAS)

This TF emerged at the instance of ASRWG with the mission as per the mandate indicated below:

- To create a Knowledge Base to understand the problems faced by Least Developed Countries in Asia;
- To work out requirements of the LDCs;
- To identify level and extent of support from ICID and explore the avenues for bilateral/multilateral cooperation.

Members :

(1) Dr. Shigetaka Taniyama, Chairman (Japan); (2) Prof. Soon-Kuk-Kwun (South Korea); (3) Dr. Hector M. Malano (Australia); (4) Dr. Saeed Nairizi (Iran); (5) Prof. Cai Lingen (China); and (6) Er. M. Gopalakrishnan, Secretary General, ICID.

Activities :

Main activities carried out by the TF-LDCsAS were organizations of the 1st Special Session (SS) and its 3rd meeting on 10 September 2006. The theme selected for the 1st SS was on "Planning, implementation, and management of small or tertiary distribution schemes in LDCs and other countries in Asia".

During the 3rd meeting, decisions were also taken to conduct a 4th Interim Meeting and 2nd SS of TF-LDCsAS during the time of 4th ARC and 10th International Seminar on Participatory Irrigation Management scheduled at Tehran, Iran on 2-5 May 2007. Accordingly, TF-LDCsAS under the leadership of VPH S. Taniyama and Secretary Mr. S. Seyama coordinated various tasks related to circulation of call for papers for the 2nd SS and agenda items for the 4th interim meeting amongst the TF members as well as National Committees of ICID in coordination with Central Office.

6.3 Task Force on Inter-Basin Water Transfers (TF-IBWT)

Terms of Reference (ToR)

- To collect the relevant information on existing and projected inter-basin water transfers for irrigation, drainage and flood management;
- To analyze the crucial issues of such transfers and recommend good practices to deal with such issues.
- To compile the collected information and circulate to National Committees for comments.
- To publish the material as ICID reference document.

Members :

(1) Prof. dr. Ir. Bart Schultz, President Hon. ICID, Chairman (The Netherlands), (2) Dr. José A. Ortiz Fdz.- Urrutia (Spain), (3) Mr. Maurice Roos (USA), (4) Prof. dr. Takeshi Hata (Japan), (5) Prof. Zhu Ruixiang (China), (6) Dr. Frank Quinn (Canada), (7) Mr. Syed Jamait Ali Shah (Pakistan), (8) Mr. R.K. Sharma (India), (9) Er. M. Gopalakrishnan, Secretary General, ICID, (10) Mrs. Jancy Vijayan, Joint Director, ICID Central Office (Coordinator).

Permanent Observers :

(i) Dr. C.D. Thatte, ICOLD representative; (ii) Dr. Stephen Maxswell Donkor, UN Water/Africa Section/Ethiopia.

Activities carried out:

TF-IBWT held its 3rd meeting at Kuala Lumpur on 12 September 2006 in which 7 members actively participated. For fulfilling the Term of References provided under the Task Force on Inter Basin Water Transfer (TF-IBWT), Chairman coordinated various activities concerned with collection and analyses of information/data on IBWT projects worldwide. The TF held its 3rd meeting in Kuala Lumpur, Malaysia on 12 September 2006.

The Chairman, TF-IBWT visited the Central Office and exchanged his views with Central office after viewing a presentation made by Mrs. Jancy Vijayan, Coordinator, TF-IBWT. Based on the views of the Chairman and the decisions arrived at the 3rd TF-IBWT meeting, further additions on the existing and proposed IBWT projects in Congo – Lake Chad Basin, Great Britain, Korea, Libya, Nigeria, Nepal and Turkey have been carried out. The overall text, tables and annexure provided under various chapters of the draft report deliberated in the 3rd meeting were also upgraded.

The contributions provided by the members of the TF namely Dr. José A. Ortiz Fdz.-Urrutia (CERYD), Mr. Maurice Roos (USCID), Prof. dr. Takeshi Hata (JNC-ICID), Prof. Zhu Ruixiang (CNCID), Mr. Syed Jamait Ali Shah (PANCID), Mr. R.K. Sharma (INCID), and Er. M. Gopalakrishnan, Secretary General, ICID were quite helpful. During the 3rd meeting of the TF-IBWT, short presentations were also

given on IBWTs in Japan, China, Congo-Lake Chad, Korea, Pakistan and USA. Cooperation from Dr. Stephen Maxwell Donkor, Coordinator, UN Water/Africa Secretariat, Ethiopia had also been received in the form of recommendations framed during the workshop on “Developing Guidelines for IBWT Projects for Policy Makers” at Accra, Ghana from 25–29 September 2006.

During the 3rd meeting, it was proposed that the TF would have its final meeting in Sacramento, USA. The TF expect to propose a publication on IBWT in the meeting at Sacramento, USA.

6.4 TF-EIF for Suggesting Effective Mechanism for Involvement of Farmers in ICID Activities

Terms of Reference (ToR)

- To consider representation of farmers/farmers’ associations in ICID Work bodies and National Committees.
- To consider promotion of signing of Memorandum of Understanding between ICID and international farming organizations, regional farmers organization, national farming organizations and concerned ICID regional groups.
- To identify and study issues from a farmer’s perspective, which are not covered presently under ICID work body mandates.
- Collate and share farmers’ practical experiences on best practices in irrigation and drainage and marketing their produce.
- To develop mechanisms for farmers’ association and involvement with ICID activities, including in annual IEC’s for local farmers.
- To study the implication of pricing of water farm subsidies, WTO and other institutional issues that have the potential impact on irrigation farmers.

Members:

(1) Mr. Stephen Mills, Chairman (Australia); (2) Mr. Jean Marcel Laferrière (Canada); (3) Mr. Takeshi Hata (Japan); (4) Dr. José A. Ortiz Fdz.-Urrutia (Spain); (5) Ms. Veronique Balsetra (France); (6) Mr. Xavier Goossens (France); (7) Mr. Tony Horton (Australia); (8) Mr. Volker Aeuckens (Australia); (9) Dr. Hussein El Atfy (Egypt); (10) Mr. Jorge Martinez (Mexico); (11) Prof. N. Hatcho (Japan); (12) Mr. Laurie Tollefson (Canada); (13) Mr. Clarke Ballard (Australia); and (14) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observer:

Ing. Manuel Contijoch Escontria (World Bank).

Activities carried out:

TF-EIF held its 4th meeting at Kuala Lumpur on 13 September 2006. The TF outlined various action points recommending that the National Committees hosting future IEC Meetings, Congresses and Regional Conferences should provide an

opportunity for farmers, farmers groups and water users associations to showcase their achievements on the farm in a session (similar to that of Montreal Congress-2002).

6.5 TF to Guide ICID Inputs to 4th World Water Forum (WWF-4)

Terms of Reference (ToR)

- To provide overarching lead role on behalf of ICID for inputs to 4th WWF.
- To provide guidelines to National Committees and Work bodies for inputs to the themes and sub-themes of the 4th WWF, of direct relevance to ICID.
- To coordinate work of other Task Forces, if any, on specific subjects related with 4th WWF.
- To prepare ICID inputs for 4th WWF.
- To liaise with Mexican National Committee (MXCID) for preparatory work of 4th WWF.
- To liaise with 4th WWF Program Committee and other International Bodies.

Members

(1) Mr. Aly M. Shady, President Hon. ICID (Canada) – Chairman; (2) Dato’ Ir. Hj. Keizrul bin Abdullah, President Hon., ICID (Malaysia) – Member; (3) Mr. Shahrizaila bin Abdullah, President Hon. ICID (Malaysia) – Member; (4) Prof. dr. Bart Schultz, President Hon. ICID (The Netherlands) – Member; (5) Prof. C. Fasso, Ex-Chair, PCTA and Vice President Hon. ICID (Italy) – Member; (6) Prof. Dr. Riota Nakamura, Vice President Hon. ICID (Japan) - Member; (7) Dr. Henri Tardieu (France) - Member; (8) Representative of Brazilian National Committee - Member; (9) Representative of Mexican National Committee – Member; and (10) Er. M. Gopalakrishnan, Secretary General, ICID - Member Secretary.

Activities carried out:

TF-WWF4 held its 2nd meeting at Kuala Lumpur on 10 September 2006 in which 5 members actively participated. TF-WWF4 successfully completed its mandate and hence formally closed its activities at Kuala Lumpur IEC. It was proposed to set up a similar TF for 5th World Water Forum to be held in Istanbul, Turkey in March 2009.

During the TF-WWF-4 period, the TF-WWF-4 worked in conjunction with the Mexican National Committee of ICID and with other partners to mobilize a number of ICID Working Groups and National Committees to be able to take part actively at the WWF-4 held in Mexico in March 2006. ICID through TF-WWF-4 contributed to 9 sessions which cover regional as well as thematic approaches representing several local actions demonstrated by the NCs.

The TF-WWF-4 circulated its report indicating its contributions in the WWF-4 among the National Committees of ICID.

Network of ICID Members

Active Members

1. Australia	17. Germany	33. Lithuania	49. Slovenia
2. Austria	18. Great Britain	34. Macedonia	50. South Africa
3. Bangladesh	19. Greece	35. Malaysia	51. Spain
4. Brazil	20. Guyana	36. Mali	52. Sri Lanka
5. Canada	21. Hungary	37. Mexico	53. Switzerland
6. Chile	22. India	38. Morocco	54. Syria
7. China	23. Indonesia	39. Myanmar	55. Thailand
8. Chinese Taipei Committee	24. Iran	40. Nepal	56. Turkey
9. Croatia	25. Iraq	41. Netherlands	57. Ukraine
10. Cyprus	26. Ireland	42. Nigeria	58. USA
11. Czech Republic	27. Israel	43. Pakistan	59. Uzbekistan
12. Egypt	28. Italy	44. Philippines	60. Yugoslavia
13. Estonia	29. Japan	45. Portugal	61. Zambia
14. Ethiopia	30. Kazakhstan	46. Romania	
15. Finland	31. Korea, Republic of	47. Russia	
16. France	32. Kyrgyz Republic	48. Saudi Arabia	

Members 'Deemed to be Inactive'

62. Algeria	70. Ghana	78. Malawi	86. Surinam
63. Angola	71. Honduras	79. Mozambique	87. Tanzania
64. Argentina	72. Ivory Coast	80. Panama	88. Tajikistan
65. Belgium	73. Jordan	81. Peru	89. Tunisia
66. Bulgaria	74. Kenya	82. Poland	90. Uganda
67. Colombia	75. Lebanon	83. Senegal	91. Venezuela
68. Dominican Republic	76. Libya	84. Slovak Republic	92. Vietnam
69. Ecuador	77. Madagascar	85. Sudan	93. Zimbabwe

Members 'Withdrawn in the past on their Own'

94. Cuba	95. Denmark	96. New Zealand
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Members 'Admitted but yet to pay their Subscription'

97. Azerbaijan	100. Mauritius	103. Sao Tome & Principe
98. Burkina Faso	101. Mongolia	104. Turkmenistan
99. Chad	102. Niger	105. Yemen

Regionwise Status of ICID Members as on 31 March 2007

Region	Active	Deemed to be inactive	Admitted but not paid subscription	Withdrawn	Total
Africa	07	15	05	-	27
Americas	06	09	-	01	16
Asia and Oceania	24	04	04	01	33
Europe	24	04	-	01	29
Total	61	32	09	03	105

This year's 57th International Executive Council (IEC) meeting was held in Kuala Lumpur, Malaysia on 14 September 2006. More than 360 delegates from 46 countries and representatives of several International Organizations gathered in Kuala Lumpur – the scenic and multicultural capital of Malaysia for a series of meetings, and international events organized during 10 -15 September 2006. The major events other than 57th IEC included the 3rd Asian Regional Conference (ARC), 7th International Micro Irrigation Congress (IMIC). Besides the above, over 30 ICID workbody meetings, 5 workshops, and many side events were also held. The National Committee stalls, exhibition, and study tours were the other attractions. All the events were held under one roof at the magnificent 'Putra World Trade Centre' in Kuala Lumpur, Malaysia. The entire events were organized with great passion and dedication by the Malaysian National Committee (MANCID) under the dynamic leadership of Yang Berbahagia Datuk Ir Keizrul bin Abdullah, Pres. Hon. ICID and the Chairman of MANCID with the support of the Organizing Committee, chaired by Ir. Mohd Azhari bin Ghazalli, Vice Chairman, MANCID.

During this period, the ICID family members world wide came together to share their views and experiences on irrigation, drainage and flood control including issues on environment, poverty alleviation and global climatic change for sustainable agriculture.

Welcome address by President Hon. ICID and Chairman, MANCID, Datuk Hj. Ir. Keizrul bin Abdullah

Datuk Hj. Ir. Keizrul bin Abdullah in his welcome speech introduced Malaysia and mentioned that Malaysia is recognized as one of the most ethnically and religiously diverse nation in the world today. He elaborated on the programme contents which had been chalked out to be quite attractive to enable a discovery of the diverse culture of the multiracial society in Malaysia. Visit to interesting tourist spots and to sample the culinary richness of Malaysia also had been planned. Highlighting the country's strength, President Hon. Keizrul indicated that Malaysia has eight large paddy schemes called the "Granaries" and over 900 medium and small irrigation schemes.

Opening speech by Hon. Tan Sri Hj. Muhyiddin bin Hj. Mohd. Yassin, Minister of Agriculture, Malaysia

Hon'ble Tan Sri Hj. Muhyiddin bin Hj. Mohd. Yassin, Minister of Agriculture and Agro-based Industry, Government of Malaysia in his opening speech informed that the Government of Malaysia launched Ninth Five-Year Development Plan (2006-2010) that recognized the importance of agriculture to the economy. The Ministry of Agriculture and Agro-based Industry's approach called on 'New Agriculture' to revitalize the Malaysian agriculture as the third engine of growth. The government's emphasis will be large-scale commercial farming well supported by modern technology for high quality and value-added products.

Hon. Minister's speech highlighted their approach to agriculture development to meet Millennium Development Goals (MDGs). 'New Agriculture in Malaysia' is not just about producing more, but increasing value addition to

agriculture products, targeted to grow at 7.6% by 2010. In the year 2004, the Government of Malaysia undertook a major institutional restructuring. In that process the name of the 'Ministry of Agriculture' was changed to the 'Ministry of Agriculture and Agro-based Industry'. A new theme – "Agriculture is Business" was adopted.

Opening ceremony address by President Peter Lee on "Multiple Roles of Irrigation in the Asian Region"

President Peter Lee in his opening ceremony address underlined the importance of irrigation in Asian region, including micro irrigation in increasing water productivity through 'multiple uses', improving 'rural livelihoods', and as an 'engine of growth'. He mentioned, "Earlier we focused more on productivity, and indicated how farmers need to be motivated to adopt deficit irrigation in order to obtain 'more crop per drop'. But it goes beyond that. Perhaps it is 'more cash per splash' or more seriously, more productivity in all its facets, from total yield maximizations, to better use of crop residues, to conservation of the virtual water in grain and other forms of storage, to multiple uses of both the water and the infrastructure that we use to deliver it, and drain away the unconsumed portion".

"Urbanisation is having a huge impact on people's attitude to agriculture. Superficially, it is seen as a kind of cultural theme park. More seriously, it is being increasingly viewed as an ecosystem, albeit one managed by people, rather than left to nature; but an ecosystem, all the same. But that is an outsider's view. For the people who live in rural areas and these include the poorest in our society, agriculture is a source of livelihood, and it has huge multiplier effects that benefit employment in urban areas as well", he said.

Keynote speech by Ir. Mohd Azhari bin Ghazalli, Vice Chairman, MANCID on “Transforming Irrigated Agriculture into an Efficient Engine of Growth”

Ir. Mohd Azhari bin Ghazalli in his keynote speech, explained his views highlighting a Malaysian model, “Though about 40 percent of the world’s food comes from irrigated cropland, water tables are dropping steadily in several major food producing regions as groundwater is pumped faster than nature can replenish. Farmers around the world are facing an annual water deficit of about 160 billion cubic meters, the amount used to produce nearly ten percent of the world’s grain”.

Meeting food requirement of the world’s growing population has placed an enormous burden on the existing food value chain, including irrigated agriculture. Therefore, there is a need to re-look in totality at the whole food value chain – institution, resource management, financing, technology, production, trading and environment. There is a need to transform irrigated agriculture into an efficient engine of growth – changing the context and content.

To remain competitive, Mr. Ghazalli said, the agricultural sector must transform itself to enable increase in its productivity and match market demand in terms of quality and quantity. “The agricultural sector was recognized for its culture of subsidy. The other identity that has been a stigma to the agricultural sector is that of ‘the poor man’s sector’. The transformation process will attempt to create a more positive identity. A drive for the sector that is modern, productive, efficient, knowledge based with a slogan ‘Agriculture is business’ is just one example that is put forward by the Government of Malaysia so to make a start for the existing cultural change in the sector.

“The vast majority of the world’s poor live in Asia-Pacific rural areas. Research has shown that agricultural growth, especially if focused on small farmers, is the most important engine for the creation of employment and income for the poor. To reduce hunger it is essential that a larger share of new development funding be allocated to agriculture and rural development than in the past decades. Fundamentally, private investment would be the key for total capital formation in agriculture and it would be the responsibility of the governments to make that possible through research, public investment regulations, financial incentives, and by capacity building”. “To be competitive and remain sustainable, the agriculture sector must improve its productivity. The challenge is to be efficient and effective in its production and delivery systems as well as management of resources wisely. Our concern is to match the ability to produce food with sustainability so as to feed the food to the needy”, explained Mr. Ghazalli while concluding his speech.

Keynote speech by Mr. Shinsuke Ota, Executive Vice President, Japan Water Agency on “Irrigated Agriculture as the Engine of Regional Development”

In Japan management of the entire irrigation system from water supply to end user is organized into three levels viz., the National Government, the Japan Water Agency, and the Prefectural Government.

“In today’s Japan the direct contribution of the agricultural sector to the national economy is decreasing, and the government investment in agriculture is also declining relatively. Agriculture’s benefits go far beyond the level of farmers and the local community, greatly impacting the economy of the nation as a whole. Various programs, therefore, are being implemented in different areas of Japan to raise public awareness about roles and significance of irrigated agriculture”, Mr. Ota said. Mr. Shinsuke Ota, Executive Vice President, Japan Water Agency

“Success hinges on the ability to harness the region’s integrated strengths to pool the capabilities of leaders, stakeholders, technocrats and engineers so as to achieve organic cooperation among them. The greater the integrated strengths, the shorter the path to attain the facilities, and the faster would be the manifestation of the benefits”.

“The natural environment, socio-economic conditions, and cultural and historical background differ from country to country and region to region. For that reason the process of implementing an irrigation project, from concept to reaping the benefits, must be tailored specifically to the region under consideration. This entails absorbing lessons from other areas of success and expanding on them with new ideas and innovations”, Mr. Ota indicated. He hoped that each region could crystallize its integrated strengths into an approach unique to itself and thereby harnessing irrigated agriculture as the engine of regional development.

Keynote address by Mr. Felix Reinders, Vice President, ICID on “Micro Irrigation: World Overview on Technology and Utilization”

Mr. Felix Reinders (South Africa), Vice President, ICID and Chairman, Working Group on On-Farm Irrigation Systems (WG-ON FARM) in his interesting and illustrative presentation, took a world overview of technological developments and current trends in adoption of micro irrigation.

In his address, he explained about the micro irrigation method and mentioned that the increasing demand for water by different sectors had created a whole set of issues and complexities. Many countries are engaged in formulating new water laws, optimization of water allocations according to monetary value, and are confronted with increased pressure to

transfer agricultural water supplies to other users, including environmental needs. Mr. Reinders said that at farm level, a drip system could save up to 80% on irrigation water demand compared with a conventional overhead sprinkler system; for sugarcane farmers, increasing crop yields by as much as 40% has become a reality in South Africa. However, Mr. Reinders warned that the same amount of water could be wasted with drip irrigation as with the other systems, if not managed correctly.

“The success or failure of a micro irrigation system thus depends to a large extent on careful selection, thorough planning, accurate design and effective management. Make the right decision, because an incorrect micro irrigation system can change to a micro irritation system”, he said.

Presentation by Vice Pres. Hon. Dr. Henri Tardieu, on the Strategy Theme “Basin”

The maiden presentation on the strategy theme ‘Basin’ was made by the Theme Leader - Vice Pres. Hon. Dr. Henri Tardieu, at Kuala Lumpur. The theme encompasses six work bodies viz., WG-ILWRM, WG-ENV, WG-IADWS, WG-CAFM, WG-SDTA and WG-CLIMATE.

In his speech he mentioned that ICID needs to show its own perception of the concept of integrated water management given the major role of ‘water for food’ in the global debate on water. Owing to the pressure of global trade and country policies, significant water transfer from agriculture to non-agriculture sectors might be unavoidable and initiatives should be established to protect farmers.

Dr. Tardieu recommended that the WG-CLIMATE take note of the predictions of climate change circulation modeling and the impacts on water management. The impact of ‘Irrigation and Drainage’ on human health is frequently criticized and this could be handled by the WG-ENV. In case of the WG-ILWRM, he proposed that it publishes a ‘Synthesis and Recommendations’ focused on how to understand and use the concept of integrated land and water resources management in the ‘water for food’ sector. Given that ‘Coping with Scarcity’ is the theme of the UN Water Initiative, the WG-IADWS’s proposal to prepare a book on ‘Irrigated agriculture under drought and water scarcity’ will support the UN initiative. In case of WG-CAFM, Dr. Tardieu supported fully the suggestion to convert the paper ‘Management of river flood risk’ into an ICID Position Paper.

Issues of tidal areas being less known in ICID, he recommended that the WG-SDTA, besides publishing the book ‘Some principles and experiences in SDTA’, should prepare a position paper to show ICID’s concern in tidal areas. Dr. Tardieu invited attention of ICID professionals to tackle three new Challenges namely:

(i) **Crosscutting environmental and agriculture policies:** In view of the sometimes contradictory objectives

of agriculture and environmental policies, ICID should broaden its approach. The farmer has not only to live with prices influenced by the global market and agriculture policies, but he/she is also suffering increasing constraints from environmental policies. The WG-CLIMATE should avail the opportunity to develop a realistic approach to the complexity of crosscutting both the policies on environment and agriculture. ‘Water allocation’ is also a major issue at the crossroads, which could be addressed as a ‘Basin’ issue (resource and demand management plans) and as ‘System’ issue (operational and equitable sharing with technical tools). It may also be seen as a central question to fight against poverty and food insecurity with the newly proposed work body on ‘Impact of Irrigation and Drainage on Livelihoods and Poverty’.

(ii) **Coping with water scarcity:** ICID probably has to renew its approach towards ‘water scarcity’. Based on several examples in dry regions with reliable but scarce water resources, one can see water scarcity as a limiting factor for productivity and equity. The importance of creating new storages for reliable water supply needs new emphasis.

(iii) **Bio-fuel and bio-materials, new frontier for agriculture:** ICID has to recognize now the new role of agriculture in the production of bio-energy and biomaterials. Brazil uses 50% of its sugarcane for ethanol production; USA covers 3% of its fuel consumption from 14% of its maize production and plans to double this. European Union (EU) is engaged in covering 10% of its fuel use from bio-fuel. The immediate consequence of this development could be an increase in global food prices and have a significant impact on farmers’ revenues. This situation could trigger renewed interest of policymakers in agriculture.

External and Internal Reviews of ICID

In accordance with the decision taken at the 56th IEC meeting held in Beijing, China (2005), the External and Internal Reviews of ICID were undertaken by the respective committees constituted for the purpose. The Internal Review was in line with the three Permanent Committees’ functional tasks and undertaken by Special Committees under the respective Chairs. The External Review was guided by a Steering Committee constituted for the purpose under the Chairmanship of VPH Alain Vidal.

The progress made and the outcome of these reviews were reported to the IEC in its 57th meeting held in Kuala Lumpur in September 2006. An interim report on the External Review was presented during the occasion by VPH Vidal. The Internal Review report of PCTA brought out the need for setting targets for different workbodies for accomplishing tasks; creation of new workbodies after closure of some of the workbodies which had finished their tenure was also recommended. The PCTA Committee Report was presented by VPH Hector Malano, while the PFC Internal Review Committee Report was presented by VPH Chandra Madramootoo.



Welcome address by President Hon. ICID and Chairman, MANCID, Datuk Hj. Ir. Keizrul bin Abdullah



Opening speech by Honourable Tan Sri Hj. Muhyiddin bin Hj. Mohd. Yassin, Minister of Agriculture, Malaysia



Opening ceremony address by President Peter Lee on “Multiple Roles of Irrigation in the Asian Region”



Keynote speech by Ir. Mohd Azhari bin Ghazalli, Vice Chairman, MANCID on Transforming Irrigated Agriculture into an Efficient Engine of Growth



Keynote speech by Mr. Shinsuke Ota, Executive Vice President, Japan Water Agency on “Irrigated Agriculture as the Engine of Regional Development”



Keynote address by Mr. Felix Reinders, Vice President, ICID on “Micro Irrigation: World Overview on Technology and Utilization”



Presentation by Vice Pres. Hon. Dr. Henri Tardieu, on the Strategy Theme “Basin”



VPH. Dr. Shigetaka Taniyama (Japan), the then Chairman ASRWG and Chairman, TF-LDCsAS addressing 3rd ARC



Dr. Nico Benadé receiving ICID Innovative Water Management Award



Receiving the Special Plaque awarded to ICID Central Office



Ms. Neelam Patel receiving the ICID Young Professionals Award.



Signing MoU between ICID National Committees



Release of the book on "Micro Irrigation in Arid and Semi-Arid Regions – Guidelines for Planning & Design"



Launching of the book on "The History of Irrigation and Drainage in Malaysia"



Ms. Neelam Patel and Dr. T.B.S. Rajput receiving the Best Paper Award from President ICID, Mr. Peter S. Lee



A view of the stakeholders at an exhibition stall arranged at Kuala Lumpur, Malaysia during 57th IEC

ICID WATSAVE AWARDS

ICID has instituted 'WatSave Awards' to recognize persons for their 'outstanding contributions to water saving in agriculture' around the world. The awards are given annually in three categories viz. (i) Innovative Water Management, (ii) Technology, and (iii) Young Professionals. Each award carries prize money of US\$ 2000 and a Citation. So far 22 awards have been given to the professionals from across the world.

ICID INNOVATIVE WATER MANAGEMENT AWARD WINNER - 2006

DR. NICO BENADÉ (SOUTH AFRICA)



Dr. Nico Benadé is a Civil Engineer and Programmer with 20 years of experience. He has specialized in the development and implementation of water distribution systems in irrigation canals and river systems. Dr. Nico Benadé has been awarded for his contribution to the Water

Administration System (WAS), which has increased the productivity of water in irrigated agriculture in South Africa. WAS is a decision support program for use by water user associations on irrigation schemes in managing their water accounts and their water supply to clients through rivers, canal networks and pipelines. It replaces the old manually operated water distribution system commonly used in government irrigation schemes.

WAS uses five modules – the Administration module, the Water Request module, the Water Release module, the Crop Water Use model and the Water Accounts module. The different modules are fully integrated, which makes it possible to cross-reference relevant data and information. Among its many capabilities, WAS calculates water releases from rivers and canal networks, taking lag times and various water losses into account. All data is archived on a single database, enabling rapid accessing. Enhanced financial control and the minimization of water losses through an improved water distribution system are the important features. By enabling water supply of the required volume at the requested time, implementation of WAS also promotes efficient water use at the farm level.

Over the last 20 years, Dr. Benadé has (a) participated in four research projects to develop and test WAS, (b) implemented the practical application of WAS on irrigation schemes, (c) provided service to managers on irrigation schemes for installation and, (d) designed courses and established a website (www.nbsystems.co.za/was.php) to improve the service for

decision support. Largely as a result of Dr. Benadé's efforts, WAS is now being implemented on irrigation schemes with a total area of 142,843 ha, which is approximately 27.5 % of the irrigated area of South Africa serviced by WUA's (formerly government water schemes and irrigation board schemes). Field measurements have shown that losses are reduced by 10 to 20 % through improved water releases in canals and rivers. With an average water allocation of 8,147 cubic meters per hectare and average losses of 15 %, this amounts to an average water saving of between 20.5 to 41 million cubic meters of water per year. WAS has been operational on five major irrigation schemes for 9 to 15 years.

ICID TECHNOLOGY AWARD WINNER - 2006

PROF. KANG SHAOZHONG (CHINA)



Prof. Kang Shaozhong (b. November 1962) is presently Director and Professor at Center for Agricultural Water Research at China Agricultural University.

Prof. Kang Shaozhong has studied and applied the theory and technology of water-saving in agriculture and water management for more than 25 years and is a recipient of 13 State/ Ministry awards in Science and Technology. Dr Kang Shaozhong has been awarded for his work on water savings in agriculture. He developed a rice evapotranspiration model suitable for the arid and semi-arid areas of Northwest China and found that crop evapo-transpiration is influenced by soil water content only when the relative soil available water content is lower than 0.5. The results of his model were used to modify and supplement the data recommended by Irrigation and Drainage Book 56 of FAO and provided a scientific basis for water saving irrigation in China. Application of these results in water management in 80,000 hectares led to irrigation savings by 10 % and rice yield increase by 15 %. Dr Kang studied and presented water requirement indicators for various crops. The results have been extended and applied in 15.2 million hectares in Shaanxi Province providing 712.5 million cubic meters of water-saving in irrigation over the

past ten years.

In 1996, Dr Kang in collaboration with Prof. Zhang Jianhua developed a new irrigation method called Controlled Alternate Partial Root-zone Irrigation (CAPRI) that can improve crop water use efficiency without significant yield reduction. The use of CAPRI resulted in up to 50 % reduction in the amount of irrigation required while maintaining high grain yield. Dr Kang also studied and demonstrated systematically Regulated Deficit Irrigation (RUI) technology for field crops in Northwest China. RUI was applied to 6,667 hectares in Shanxi Province, where irrigation water use was reduced by 34.1 % while crop yield increased by 19.3 % compared with conventional irrigation method. He has co-authored a book of "Principle and Practice of Deficit Irrigation" with Prof. Chen Yaxin.

ICID YOUNG PROFESSIONALS AWARD WINNER- 2006

MS. NEELAM PATEL (INDIA)

Ms. Patel (b. February 1972) is a Senior Scientist at Precision Farming Development Centre of Water Technology Centre at Indian Agricultural Research Institute in New Delhi, India. She is a dedicated researcher and has contributed significantly in the field of micro irrigation during the last decade. Ms. Patel was also involved in post-graduate teaching and extension activities.

Ms. Neelam Patel has received the award for her research work on micro irrigation and also for promoting the use of this technology among farmers. The focus of Ms. Patel's research has been in the estimation of water requirements, modifications of crop planting geometry and the use of mulches in drip irrigated fields. She has also worked on the hardware and software aspects to reduce cost while increasing water savings. From her work, micro irrigation system was found to result in 30 to 70 % water savings along with 10 to 60% increases in yields as compared to conventional methods of irrigation.



To promote greater use of microirrigation, Ms. Patel has focused on capacity building of farmers through various training programmes, field demonstrations and the development of suitable literature. To date, 60 training programmes

benefiting some 1,800 farmers have been conducted on the installation, operation, use, maintenance and troubleshooting in micro irrigation systems. As a result of her work, some 12,350 hectares have been brought under micro irrigation, and this has resulted in water savings to the tune of 24.8 % or 61.5 million cubic meters.

RECIPIENTS OF ICID JOURNAL – IRRIGATION AND DRAINAGE : BEST PAPER AWARD, 2006

DR. T.B.S. RAJPUT AND MS. NEELAM PATEL (INDIA)

ICID instituted the 'Best Paper Award' to be presented annually, commencing from 2006. The award will be given to the outstanding paper published in the issues of the ICID Journal in the preceding year (January-December).

The first "Best Paper Award 2006" was jointly presented to Dr. T.B.S. Rajput and Ms. Neelam Patel from India for their paper titled "Enhancement of Field Water Use Efficiency in the Indo-Gangetic Plain of India" published in the Issue 54.2 (2005) of Irrigation and Drainage Journal of ICID. The award consists of a citation plaque by ICID and gift books of specified amount from M/s John Wiley & Sons Ltd. (UK), the publisher of the ICID Journal.

CITATION PLAQUES TO RETIRING VICE PRESIDENTS

Plaques were presented to the retiring Vice Presidents:

1. Dr. Alain Vidal (France),
2. Mr. R. Jeyaseelan (India), and
3. Prof. Victor Dukhovny (Uzbekistan)

CITATION PLAQUES TO RETIRING CHAIRS OF WORKBODIES

Plaques were also presented to the retiring Chairs of Workbodies:

1. Mr. Peter S. Lee, PFC (Great Britain),
2. Engr. I.K. Musa, PCSPOA (Nigeria),
3. Dr. Shigetaka Taniyama, ASRWG (Japan),
4. Prof. Hector Malano, WG-DMIS (Australia), and
5. Dr. Alain Vidal, WG-ILWRM (France).

SPECIAL PLAQUE TO ICID CENTRAL OFFICE

During the 57th IEC events held at Kuala Lumpur, Malaysia, Dr. Georgi G Guluyk, Vice President, ICID and Chairman, Russian National Committee (RUCID) honored the ICID Central Office with a Special Plaque in recognition of its continued excellent and dedicated services over the years. The award was received by Secretary General Er. M. Gopalakrishnan on behalf of ICID Central Office.

COMMEMORATIVE MEDALS AND CITATION PLAQUES TO ICID PROFESSIONALS

As a part of the birth centenary celebration of the Late ICID President Mr. Evgeni E. Alekseevsky, the Ministry of Agriculture of Russian Federation has awarded several commemorative medals to recognize the outstanding contribution of professionals in the irrigation and drainage sector. Mr. Alekseevsky held the office of President, ICID from 1972 to 1975. At Kuala Lumpur, Dr. Georgi G Guluyk, Vice President, ICID and Chairman, Russian National Committee (RUCID) honored the following ICID professionals by presenting commemorative medals:

1. Mr. Peter Lee (UK), *President of ICID*;
2. Tan Sri Hj. Muhyiddin b Hj. Mohd. Yassin (Malaysia), *Minister of Agriculture and Agro-based industry Malaysia*;
3. Mr. Ir. Hj. Keizrul bin Abdullah (Malaysia), *President of MANCID*;
4. Mr. John Hennessy (UK), *President Hon. ICID (UK)*;
5. Mr. Aly M. Shady (Canada), *President Hon. ICID*;
6. Prof. Dr. Bart Schultz (The Netherlands), *President Hon. ICID*;
7. Prof. Cai Ling (China), *Vice-President Hon., ICID*;
8. Eng. I.K. Musa (Nigeria), *Vice-President Hon., ICID*;
9. Prof. Andre Musy (Switzerland), *Vice-President Hon., ICID*;
10. Mr. Alain Vidal (France), *Vice-President, ICID*;
11. Mr. R. Jeyaseelan (India), *Vice-President, ICID*;
12. Dr. YooMan Huh (Korea), *Vice-President, ICID*;
13. Dr. Husein Ehsan El-Atfy (Egypt), *Vice-President, ICID*;
14. Dr. Mark Svendsen (US), *Vice-President, ICID*;
15. Mr. Felix Reinders (South Africa), *Vice-President, ICID*;
16. Dr. Gao Zhanyi (China), *Vice-President, ICID*;
17. Prof. Constantino Fasso (Italy), *Past Chairman PCTA*;
18. Dr. Eiko Lubbe (Germany), *Chairman ERWG*;
19. Dr. Wolfram Dirksen (Germany), *Vice-President Hon., ICID*;
20. Dr. L.S. Pereira (Portugal), *Vice-President Hon., ICID*;
21. Dr. Brane Maticic (Slovenia), *Vice-President Hon., ICID*;
22. Mr. Stephen Mills (Australia), *WG On-Farm*;
23. Dr. Willem Vlotman (The Netherlands), *Chairman WG on Drainage*;
24. Prof. V.A. Dukhovny (Uzbekistan), *Vice-President ICID*; and
25. Er. M. Gopalakrishnan (India), *Secretary General, ICID*.

MEMORANDUM OF UNDERSTANDING BETWEEN ICID NATIONAL COMMITTEES

A Memorandum of Understanding (MoU) between Indonesian National Committee on Irrigation and Drainage (INACID) and Iranian National Committee on Irrigation and Drainage (IRNCID) was signed in the presence of ICID Office Bearers on 14 September 2006 during the 57th International Executive Council (IEC) meeting at Kuala Lumpur in Malaysia for bilateral collaboration. Dr. Hafied A. Gany, INACID and Dr. Rasool Zargar, Chairman, IRNCID signed the MoU on behalf of their respective National Committees. The main objectives of the MoU are:

- (i) Exchanging technical and scientific progresses and achievements on Irrigation and Drainage;
- (ii) Assigning studies and projects to groups of experts to be accomplished in the other country in spirit of cooperation for mutual benefits; and
- (iii) Inviting groups of experts from the other country and providing appropriate facilities for proposed Studies or projects.

Other MoUs between NCs being evolved *inter-alia*, include Chinese National Committee on Irrigation and Drainage-Indian National Committee of ICID (CNCID-INCID) and Egyptian National Committee on Irrigation and Drainage – Indian National Committee of ICID (ENCID-INCID)

RELEASE OF THE BOOK ON “MICRO IRRIGATION IN ARID AND SEMI-ARID REGIONS – GUIDELINES FOR PLANNING AND DESIGN”

Mr. Moshe Sne, the author of the book has a vast experience in the planning, designing and implementation of micro irrigation systems. The book contains 14 chapters and illustrates the step by step procedure of planning and design of micro irrigation system for variety of crops in a scientific manner in a lucid language with some practical examples. This guideline will be a valuable reference book for irrigation engineers, practicing professionals in water management, students, farmers, manufacturers and all those dealing with the subject of micro irrigation. Based on the initiative of WG-ON-FARM, the Central Office ICID in collaboration with the ISCID brought out these guidelines. During 57th IEC President Peter S. Lee released the book.

LAUNCHING OF BOOK “THE HISTORY OF IRRIGATION AND DRAINAGE IN MALAYSIA”

Hon'ble Minister of Agriculture and Agro-based Industry, Malaysia launched the book “The History of Irrigation and Drainage in Malaysia” on 14 September 2006 during the 57th International Executive Council (IEC) meeting at Kuala Lumpur in Malaysia.

Kuala Lumpur Statement

The UN's commitment to eradicate 'Poverty and hunger' as reflected in the crucial Millennium Development Goals (MDGs) asks for concerted action in the 9 years now left with to achieve the targets set in to reduce the number of poor and hungry people to half. The Kuala Lumpur conference brought home the fact that modern irrigated agriculture is a proven and effective strategy to address both the issues of poverty and food insecurity.

Modern irrigated agriculture helps enhanced productivity, conservation of resources for optimal uses and helps sustainable environment. It brought home that good returns from private sector involvement are feasible to improve the balance of trade situation of the nations. This has to be coupled with adequate support to downstream agro industries.

ICID is the premier international organisation concerned with managing water for sustainable agriculture and its annual Executive Council meetings, related business meetings of workbodies and workshops confirmed the findings from Asian Regional Conference on "Transforming Irrigated Agriculture into an Efficient Engine of Growth".

It comes up with the following 'Kuala Lumpur Statement'.

- ICID sees in the micro-irrigation technology enormous potential to raise farm incomes while saving water through precise delivery of water and fertilizer to crops. Inexpensive small-scale versions of this technology can be used on the smallest of land holdings, making the benefits available to even the poorest smallholders.
- ICID is concerned with the full spectrum of agricultural water management practices, ranging from rainfed agriculture to full irrigation and taking in water harvesting, field drainage, supplemental irrigation from groundwater, one-time irrigation from spates, and planned deficit irrigation.
- ICID affirms its primary purpose to be managing water for sustainable agriculture, in which agriculture is a part of an eco-system that has a productive role essential to rural livelihoods, and also has cultural and social functions.
- ICID finds that irrigated agriculture is often the main engine of a nation's economic growth, with significant benefits accruing to trade, agro-processing, manufacturing, and job creation in urban centres.
- ICID recognizes the rapidly growing demand for bio-energy and the potential competition among food, fibre, and energy for limited resources of land and water. ICID will work with agriculture-as-a-business as it responds to the changing demands of society, demands which include a growing appreciation of the value of the environment.
- ICID recognizes outstanding contributions to saving water through its WatSave Awards. After ten years of presenting such awards, ICID will expand their scope to honour outstanding contributions to increased water productivity.
- ICID finds that irrigation system modernisation using an integrated and participatory approach can raise agricultural productivity significantly, often without increasing the total use of water, and is addressing that need.
- ICID recognizes the impending impact of Global Climate Change on both irrigated and rainfed agriculture worldwide and is working to help water managers and policy makers anticipate and adapt to these changes.
- ICID recognises that variability in agricultural water supplies, particularly in the wake of changes induced by global warming, is a critical threat to agricultural livelihoods and food security. Storage, both natural and in reservoirs, is a key to reducing unreliability and ICID will work to improve management of stored water to address the challenges at the interface of water, land, livelihoods, and the environment.
- ICID will work with other organisations in the water sector, especially UN-Water and the World Water Council, to help achieve Millennium Development Goals related to water and hunger.
- ICID is a multi-disciplinary professional organisation dependent on the voluntary contribution of its members, especially through its network of national committees. It salutes their achievements.

Activities of Member Committees

During the reporting period from 1 April 2006 to 31 March 2007, ICID has 61 active member countries. ICID worked through its Workbodies with the professional members nominated by the Active National Committees.

National Committee through involvement of professionals from different disciplines and organizations for addressing emerging issues in the field of irrigation, drainage, flood control, environment including global climate change for developing sustainable agriculture.

ICID promotes broad-basing of its constituent member

Involvement of Country Wise Membership in ICID Workbodies at a Glance

S.No.	Country	Nos. of Members	Nos. of Workbodies	Names of Workbodies
1	Australia (ANCID)	15	19	WG-CAFM, WG-DRG, C-PR&P, WG-IADWS, ASRWG, WG-ENV, WG-DMIS, WG-ILWRM, WG-SOCIO, EB-JOUR, WG-CD, WG-WATS, WG-CBTE, WG-ON-FARM, WG-R&D & AC-IPTRID, WG-PQW, TF-EIF, TF-LDCsAS & PCTA
2	Austria (AUNCID)	2	2	ERWG and WG-HIST
3	Bangladesh (BANCID)	1	1	ASRWG
4	Brazil (ABID)	1	1	TF-WWF4
5	Canada (CANCID)	10	10	WG-R&D & AC-IPTRID, ST-ARAL, PFC, EB-JOUR, WG-DRG, WG-CROP, WG-ILWRM, TF-WWF4, TF-EIF and TF-IBWT
6	Chile (CHICID)	-	-	-
7	China (CNCID)	13	21	WG-DRG, WG-IADWS, ASRWG, WG-ENV, WG-WATS, WG-CBTE, WG-ON-FARM, WG-R&D & AC-IPTRID, WG-PQW, WG-YPF, PFC, WG-SDTA, WG-CD, WG-ILWRM, PCSPOA, C-CONGR, WG-CROP, WG-HIST, WG-DMIS, TF-LDCsAS and TF-IBWT
8	Chinese Taipei (CTCID)	11	13	WG-DRG, WG-IADWS, ASRWG, WG-ENV, EB-JOUR, C-PR&P, WG-WATS, WG-CBTE, WG-ON-FARM, WG-HIST, WG-DMIS, WG-CROP and WG-PQW
9	Croatia (CRCID)	3	3	WG-HIST, WG-CAFM and WG-PQW
10	Cyprus (CYCID)	1	1	ERWG
11	Czech Republic (CZNC-ICID)	3	3	ERWG, WG-SOCIO and WG-PQW
12	Egypt (ENCID)	11	15	WG-CBTE, WG-DRG, WG-DMIS, WG-R&D & AC-IPTRID, WG-WATS, WG-IADWS, PCSPOA, PCTA, WG-PQW, C-PR&P, AFRWG, ST-LCB, WG-YPF, TF-LDCsAF and TF-EIF
13	Estonia (ESTICID)	1	1	ERWG
14	Ethiopia (ETCID)	1	1	AFRWG
15	Finland (FINCID)	4	4	ERWG, WG-YPF, WG-ENV and WG-DRG
16	France (AFEID)	21	26	WG-CAFM, ERWG, WG-DRG, WG-CBTE, WG-R&D & AC-IPTRID, AFRWG, WG-SOCIO, WG-ENV, WG-CROP, WG-CD, WG-ON-FARM, PCTA, EB-JOUR, WG-CLIMATE, WG-HIST, PCSPOA, PFC, WG-WATS, WG-YPF, WG-IADWS, WG-PQW, ST-ARAL, WG-DMIS, WG-ILWRM, TF-WWF4 and TF-EIF

S.No.	Country	Nos. of Members	Nos. of Workbodies	Names of Workbodies
17	Germany (GECID)	7	9	ERWG, WG-ENV, PCSPOA, EB-JOUR, WG-HIST, WG-DRG, WG-ON-FARM, WG-ILWRM and WG-SDTA
18	Great Britain (ICID.UK)	13	20	WG-HIST, ERWG, WG-CAFM, AFRWG, WG-ON-FARM, WG-SOCIO, WG-CBTE, ST-LCB, WG-WATS, EB-JOUR, MB, SC, C-PR&P, WG-R&D & AC-IPTRID, ST-ARAL, WG-CROP, WG-PQW, WG-IADWS, WG-DMIS and WG-SDTA
19	Greece (GRCID)	1	1	ERWG
20	Guyana (GUCID)	-	-	-
21	Hungary (HUCID)	6	9	WG-HIST, PFC, ERWG, WG-R&D & AC-IPTRID, WG-ON-FARM, WG-IADWS, WG-CAFM, WG-CROP and WG-ENV
22	India (INCID)	18	24	WG-SOCIO, WG-R&D & AC-IPTRID, WG-DRG, WG-CAFM, C-PR&P, WG-YPF, WG-CBTE, WG-WATS, WG-SDTA, PCSPOA, PCTA, ASRWG, C-CONGR, EB-JOUR, PFC, WG-HIST, WG-IADWS, WG-ON-FARM, WG-CD, WG-PQW, WG-CROP, WG-DMIS, WG-ILWRM and TF-IBWT
23	Indonesia (INACID)	6	6	WG-SOCIO, WG-HIST, WG-SDTA, EB-JOUR, WG-CBTE, ASRWG
24	Iran (IRNCID)	14	21	WG-SOCIO, WG-R&D & AC-IPTRID, WG-DRG, WG-CAFM, WG-WATS, WG-CBTE, C-PR&P, WG-IADWS, WG-ON-FARM, EB-JOUR, PFC, WG-YPF, WG-HIST, ASRWG, WG-PQW, PCSPOA, WG-CLIMATE, WG-ENV, WG-DMIS, WG-ILWRM and TF-LDCsAS
25	Iraq (IRQCID)	-	-	-
26	Ireland (IRCID)	1	1	ERWG
27	Israel (ISCID)	1	1	WG-PQW
28	Italy (ITAL-ICID)	14	20	WG-CD, AFRWG, ERWG, PCTA, WG-CROP, EB-JOUR, ST-ARAL, WG-IADWS, WG-ON-FARM, WG-WATS, C-PR&P, WG-CBTE, WG-ENV, PFC, WG-CROP, WG-HIST, WG-R&D & AC-IPTRID, WG-DMIS, WG-ILWRM and TF-WWF4
29	Japan (JNC-ICID)	18	23	WG-DMIS, WG-CAFM, WG-HIST, WG-ENV, WG-SDTA, EB-JOUR, ST-ARAL, WG-CROP, WG-ON-FARM, PFC, ASRWG, WG-SOCIO, WG-R&D & AC-IPTRID, PCTA, WG-PQW, WG-CBTE, WG-YPF, WG-IADWS, WG-CLIMATE, TF-WWF4, TF-EIF, TF-LDCsAS and TF-IBWT
30	Kazakhstan (KAZCID)	-	-	-
31	Kyrgyz Republic (KYRCID)	-	-	-
32	Korea (KCID-ICID)	12	14	WG-ENV, WG-DRG, WG-SDTA, PCSPOA, WG-CAFM, WG-ON-FARM, WG-CROP, ASRWG, EB-JOUR, WG-HIST, WG-YPF, WG-DMIS, WG-ILWRM and TF-LDCsAS
33	Lithuania (LNCID)	1	1	ERWG
34	Macedonia (MAKCID)	1	1	ERWG
35	Mali (AMID)	-	-	-
36	Malaysia (MANCID)	7	9	WG-DRG, EB-JOUR, ASRWG, WG-SDTA, C-CONGR, PCSPOA, WG-R&D & AC-IPTRID, WG-YPF and TF-WWF4
37	Mexico (MXCID)	5	5	AMRWG, WG-PQW, EB-JOUR, TF-WWF4 and TF-EIF

S.No.	Country	Nos. of Members	Nos. of Workbodies	Names of Workbodies
38	Morocco (ANAFID)	2	2	WG-ENV and WG-PQW
39	Myanmar (MOCID)	-	-	-
40	Nepal (NENCID)	1	1	ASRWG
41	The Netherlands (NETHCID)	18	20	ST-ARAL, ERWG, WG-CAFM, WG-HIST, WG-ENV, WG-YPF, WG-PQW, WG-CROP, WG-SDTA, EB-JOUR, WG-DRG, C-PR&P, WG-CBTE, WG-R&D & AC-IPTRID, ASRWG, WG-SOCIO, TF-WWF4, WG-DMIS, WG-ILWRM and TF-IBWT
42	Nigeria (NINCID)	9	12	WG-DRG, ST-ARAL, ST-LCB, WG-ON-FARM, AFRWG, WG-HIST, WG-ILWRM, EB-JOUR, WG-YPF, WG-PQW, WG-CROP and TF-LDCsAF
43	Pakistan (PANCID)	10	15	WG-CROP, WG-DRG, WG-PQW, EB-JOUR, WG-CBTE, WG-IADWS, ASRWG, WG-SOCIO, PFC, WG-HIST, WG-CAFM, C-CONGR, WG-ENV, WG-YPF and TF-IBWT
44	Philippines (PNC-ICID)	-	-	-
45	Portugal (PNCID)	5	7	WG-ENV, WG-ON-FARM, EB-JOUR, WG-DMIS, WG-ILWRM ERWG and WG-IADWS
46	Romania (CNRID)	1	1	ERWG
47	Russia (RUCID)	7	8	WG-R&D & AC-IPTRID, ERWG, PCTA, PCSPOA, ST-ARAL, PFC, WG-YPF and WG-DRG
48	Saudi Arabia (SACID)	-	-	-
49	Slovenia (SINCID)	4	5	WG-ENV, WG-CROP, WG-DRG, ERWG and WG-CAFM
50	South Africa (SANCID)	15	18	WG-R&D & AC-IPTRID, WG-IADWS, WG-DRG, WG-YPF, EB-JOUR, WG-WATS, AFRWG, ST-LCB, WG-SOCIO, WG-PQW, WG-ON-FARM, PCSPOA, WG-CROP, WG-CLIMATE, WG-CBTE, WG-CAFM, WG-ILWRM and TF-LDCsAF
51	Spain (CERYD)	9	15	WG-SOCIO, WG-CROP, WG-IADWS, WG-WATS, WG-CAFM, WG-HIST, ERWG, WG-R&D & AC-IPTRID, WG-ON-FARM, AMRWG, WG-ENV, WG-DMIS, WG-ILWRM, TF-EIF and TF-IBWT
52	Sri Lanka (SLNICID)	1	1	ASRWG
53	Switzerland (CH-AGRAM)	1	1	WG-CROP
54	Syria (SYCID)	2	2	WG-DRG and WG-ENV
55	Thailand (THAICID)	3	6	ASRWG, WG-ENV, C-PR&P, WG-HIST, WG-DMIS and ST-LCB
56	Turkey (TUCID)	4	4	WG-SOCIO, WG-ENV, WG-CAFM and WG-DRG
57	Ukraine (UKCID)	1	2	ERWG and WG-ON-FARM
58	USA (USCID)	17	24	WG-CROP, WG-ON-FARM, WG-DRG, PFC, WG-SOCIO, WG-IADWS, WG-EBTE, EB-JOUR, WG-CD, WG-WATS, ST-ARAL, WG-R&D & AC-IPTRID, WG-PQW, WG-CAFM, C-PR&P, PCTA, WG-DMIS, WG-ILWRM, PCSPOA, ST-LCB, WG-CLIMATE, AMRWG, WG-ENV and TF-IBWT
59	Uzbekistan (UzCID)	3	5	ST-ARAL, PCSPOA, ST-LCB, WG-IADWS and ASRWG

S.No.	Country	Nos. of Members	Nos. of Workbodies	Names of Workbodies
60	Yugoslavia (YUGCID)	-	-	-
61	Zambia (ZACID)	1	1	AFRWG

Mutual cooperation/collaboration between the National Committees was, as usual, encouraged. National Committee Members in various ICID Workbody /Committee meetings and Special Sessions/Conferences could net work and explore opportunities.

The following sections highlight the involvements of the National Committees in ICID activities during 57th IEC events and elsewhere.

Australia (ANCID)

Australian National Committee (ANCID) members participated in 14 Workbody meetings.

No.	Workbody	Member of the National Committee Participated
1.	ASRWG	Mr. Anthony John Horton
2.	WG-CBTE	Mr. Kim Russell
3.	WG-R&D	Mr. Stephen Mills
4.	C-PR&P	Ms. Anne Currey represented by Mr. Stephen Mills
5.	WG-SOCIO	Dr. Shahbaz Khan represented by Mr. Kim Russell
6.	WG-WATS	Mr. Kim Russell represented by Mr. Tony Horton.
7.	WG-DMIS	Vice President Hon. Hector Malano
8.	WG-PQW	Mr. C.G. Croke represented by Mr. Tony Horton
9.	WG-ON-FARM	Mr. Stephen Mills
10.	WG-CAFM	Mr. V.C. Ballard represented by Tony Horton
11.	WG-ILWRM	Mr. Kim Russell represented Mr. Denis Flett
12.	WG-IADWS	Mr. Anthony John Horton
13.	PCTA	Vice President Hon. Hector Malano
14.	TF-EIF	Mr. Stephen Mills and Mr. Tony Horton

In addition to the above involvements, ANCID produced a publication on “Benchmarking Report for 2004-2005- Australian Irrigation Water Provider”, both in print and CD versions. ANCID also took actions for implementation of the broad based recommendations formulated at the 2nd Asian Regional Conference held at Moama, Australia in

March 2004. During the 57th meeting, ANCID extended its support for the Asian Drainage Program for the Humid Tropics (ADPHT) and Eradication of Information Gap in Asia and further collaborations at practical levels with IWMI utilizing the Memorandum of Understanding (MoU) stands between ICID and IWMI.

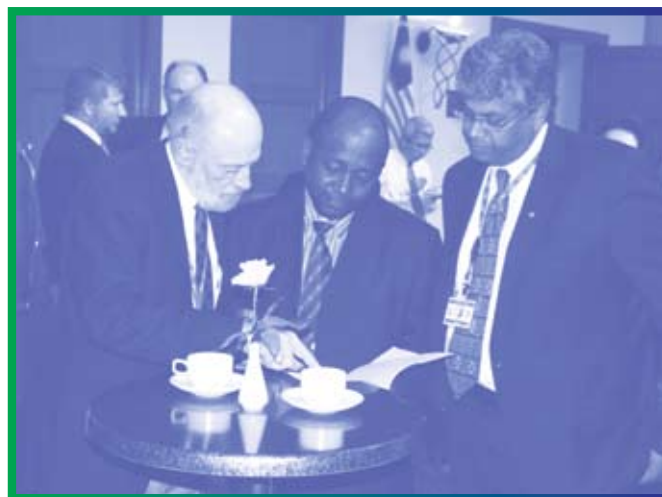
Canada (CANCID)

Participation of Canadian National Committee of ICID (CANCID) in 4 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1.	ST-ARAL	Mr. Ron W. Coley represented by Dr. Chandra Madramootoo
2.	ST-LCB	President Hon. Aly Shady
3.	TF-WWF4	President Hon. Aly Shady
4.	PFC	Prof. Dr. Chandra Madramootoo

TF-WWF4 under the Chairmanship of President Hon. Aly M. Shady successfully completed its mandate and formally closed its activities at Kuala Lumpur IEC, where it was proposed to set up a similar TF for 5th World Water Forum to be held in Istanbul, Turkey in March 2009.

During the TF-WWF4 period, the TF-WWF4 worked in conjunction with the Mexican National Committee of ICID and with other partners to mobilize a number of ICID Working Groups and National Committees to take part actively at the WWF4 held in Mexico in March 2006. ICID through TF-WWF4 contributed to 9 sessions which cover regional as well as thematic approaches representing several local actions demonstrated by the NCs.



China (CNCID)

Participation of Chinese National Committee(CNCID) in 19 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Mr. Li Daixin
2	WG-CBTE	Dr. Hu Heping represented by Vice Pre. Dr. Gao Zhanyi
3	WG-ENV	Dr. Hu Heping
4	WG-HIST	Mrs. Xuming Tan
5	AC-IPTRID & WG-R&D	Prof. Yuanhua Li and Prof. Jiasheng Huang
6	TF-IBWT	Prof. Zhu Ruixiang
7	WG-YPF	Ms. Jianxin Mu represented by Vice Pre. Dr. Gao Zhanyi
8	WG-WATS	Prof. Kaipeng Jiang represented by Prof. Yang Jifu
9	WG-DRG	Ms. Wang Shaoli represented by K. Ding
10	WG-DMIS	Dr. Jiasheng Huang
11	WG-PQW	Vice President Dr. Gao Zhanyi
12	WG-ON-FARM	Mr. Yan Guanyu
13	C-CONGR	Vice President Dr. Gao Zhanyi
14	EB-JOUR	Prof. Jinzhong Yang represented Prof. Xu Zhifang
15	WG-IADWS	Mrs. Mu Jianxin
16	WG-ILWRM	Mr. Yuansheng Pei
17	WG-SDTA	Vice President Hon. Prof. Cai Lingen
18	PCSPOA	Vice President Dr. Gao Zhanyi
19	PFC	Vice President Dr. Gao Zhanyi represented Mr. Yuanhun Li

CNCID also proposed signing of a Memorandum of Understanding (MoU) with Indian National Committee (INCID) for developing future collaborations between the two countries on issues related to agriculture, water and environment.

China's submission could garner ICID WatSave Technology Award. The award was received by Prof. Kang Shaozhong for his involvements in studying and applying the theory and technology of water-saving in agriculture and water management for more than 25 years.

Chinese Taipei Committee (CTCID)

Participation of Chinese Taipei Committee (CTCID) in 8 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1.	ASRWG	Mr. Kuo, Sheng Feng
2	WG-ENV	Prof. Yih Chi Tan
3	WG-DRG	Mr. Chen, Hung Kwai represented by Lin Lien Shan
4	WG-DMIS	Mr. Lee Tsong Hwei represented by Prof. Wu Ray Shyan
5	WG-CROP	Mr. Chen Yih Rong represented by Mr. Kuo Sheng Feng
6	WG-IADWS	Dr. Chang Chi Cheng
7	WG-CBTE	Prof. Chen Wuing Lin
8	WG-HIST	Dr. Wen Pin Shu

Egypt (ENCID)

Participation of Egyptian National Committee (ENCID) in 10 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	WG-CBTE	Prof. Dr. (Mrs.) Dalal S. Alnagar represented by VPH. M.H. Amer
2	WG-ENV	Dr. (Mrs.) Shaden Abdel Gawad represented by VPH. M.H. Amer
3	AC-IPTRID	Dr. (Mrs.) Shaden Abdel Gawad
4	WG-WATS	Vice President Dr. Hussein Ehsan El-Atfy
5	WG-DRG	Vice President Hon. Dr. M.H. Amer
6	WG-PQW	Dr. Samia El-Guindy
7	EB-JOUR	Vice President Hon. Dr. M.H. Amer
8	WG-IADWS	Vice President Dr. Hussein Ehsan El-Atfy
9	PCSPOA	Vice President Dr. Hussein Ehsan El-Atfy
10	PCTA	Vice President Dr. Hussein Ehsan El-Atfy

In addition to the above, the National Water Research Center (NWRC) in collaboration with the Arab Water Council (AWC), under the patronage of the Ministry of Water Resources and Irrigation (MWRI) of Egypt, organized the Third Arab Water Regional Conference in Cairo from 9 to 11 December 2006. The conference was attended by more than 400 experts, researchers and scientists in the field of water management from 22 countries including the members

from ENCID.

ENCID also evolved modalities for signing a Memorandum of Understanding (MoU) with the Indian National Committee of India (INCID) for developing future collaborations between the two countries on issues related to agriculture, water and environment.

Estonia (ESTICID)

Participation of Estonian National Committee (ESTICID) in 1 Workbody meeting

No.	Workbody	Member of the National Committee Participated
1	ERWG	Mr. Mati Tonismae

As could be seen in the schedule of ICID future annual events, the National Committees of Finland and Estonia

will hold the 10th International Drainage Workshop from 6-11 July 2008 in Helsinki/Tallinn jointly.

Finland (FINCID)

Finnish National Committee (FINCID) participated in 3 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	WG-ENV	Mr. Osmo Antero Purhonen
2	WG-DRG	Mr. Rauno Peltomaa represented by Mr. Jaako Sierla
3	ERWG	Mr. Jaakko Sierla

Together with Estonia, the National Committees of Finland will hold the 10th International Drainage Workshop in Helsinki/Tallinn from 6-11 July 2008.

France (AFEID)

French National Committee (AFEID) participated in 18 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	WG-R&D	Mr. A. Delacourt represented by Mr. Bruno Molle
2	ST-ARAL	Mr. Bernard Vincent
3	WG-YPF	Ms. Nepveu De Villemarceau au Audrey, Secretary represented by Dr. Alain Vidal, Vice President Hon., ICID
4	WG-DRG	Dr. Sami Bouarfa, Secretary represented by Mr. Bernard Vincent
5	WG-DMIS	Mr. Francois Onimus
6	WG-PQW	Mr. Bernard Vincent
7	WG-CLIMATE	Dr. Henri Tardieu, Vice President Hon. ICID
8	WG-ON-FARM	Mr. Pierre Ruelle represented by Mr. B. Molle
9	ERWG	VPH Dr. Henri Tardieu represented by Mr. B. Molle
10	WG-IADWS	Mr. A. Villocel represented by VPH Dr. Henri Tardieu
11	WG-ILWRM	Dr. Alain Vidal, Vice President Hon. ICID
12	WG-CD	Mr. Bruno Molle
13	TF-WWF4	Dr. Henri Tardieu, Vice President Hon. ICID
14	PFC	Dr. Alain Vidal, Vice President Hon. ICID
15	WG-ENV	Dr. Serge Marlet
16	WG-CROP	Dr. Florent Maraux
17	PCTA	Mr. B. Molle
18	PCSPOA	Dr. Alain Vidal, Vice President Hon. ICID

Vice President Hon. Alain Vidal participated in the 30th Governing Council meeting of the International Fund for Agriculture Development (IFAD) conducted from 14-15 February 2007. He took part in one of the Round Table Deliberations on the topic "Rural employment and value

chain approach". While participating in the event, VPH Vidal also explored possibilities of developing cooperation between IFAD and ICID at global, country and project levels.

Germany (GECID)

Participation of German National Committee (GECID) in the 6 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1	WG-DRG	Dr. (Ms.) Waltina Scheumann represented by Prof. J. Quast
2	EB-JOUR	Prof. dr. Joachim Quast
3	ERWG	Vice President Dr.-Ing. Eiko Lubbe
4	WG-ILWRM	Prof. Joachim Quast
5	WG-SDTA	Dipl. Ing. Bernd Probst
6.	WG-HIST	Dr. Klaus Rottcher

During the 57th IEC, the Chairman of the GECID and Chairman, ERWG has been elected as Vice President.

Great Britain (ICID.UK)

Participation of British National Committee (ICID.UK) in 9 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	WG-CBTE	Prof. Tom Franks
2	C-PR&P	Mr. Peter S. Lee, President, ICID
3	ST-LCB	Prof. Tom Franks
4	WG-DMIS	Dr. Martin Burton represented by Mr. Ian Makin
5	WG-PQW	Dr. R. Ragab
6	WG-ON-FARM	Mr. J. Dunn
7.	WG-CROP	Dr. Ragab Ragab
8	WG-IADWS	Dr. Ragab Ragab
9	WG-SDTA	Mr. Jonathan Simm

On 17 May 2006, Gerald Lacey Memorial Lecture on “Managing Irrigation, under Comprehensive Water Resources Management” was organized at the Institution of Civil Engineers. The lecture was delivered by Charles L. Abernethy, Member, Working Group on History of Irrigation, Drainage and Flood Control. In his lecture, issues such as changing uses of water, objectives of comprehensive water policy, management characteristics, the role of irrigation, sharing the resources, financing procedures and

impacts of reform on users and providers of irrigation were dealt with.

ICID.UK facilitated a field visit to Jubilee River (12 October 2006), a field visit to Bari, Italy (15-16 October 2006), a technical workshop on “From Cloud to Consumer” (22 November 2006) and a technical meeting (7 February 2007) at the Institute of Civil Engineers, London.

Hungary (HUCID)

Participation of Hungarian National Committee (HUCID) in the 6 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	WG-HIST	Dr. Laszlo Hayde
2	AC-IPTRID	Mr. J. Lelkes represented by Ms. Maria Oncsik
3	WG-CAFM	Dr. Lajos Szlavik represented by Dr. Laszlo Hayde
4	ERWG	Dr. Laszlo Hayde
5	WG-ON-FARM	Prof. F. Ligetvari represented by Ms. Maria Oncsik
6	WG-IADWS	Dr. S. Szalai represented by Ms. Maria Oncsik

India (INCID)

Participation of Indian National Committee (INCID) in 10 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1	WG-CBTE	Mr. S.K. Das represented by Dr. A.K. Randev
2	WG-R&D	Dr. K. Palanisami
3	TF-IBWT	Mr. R.K. Sharma represented by Mr. R.C. Jain
4	WG-WATS	Mr. D. Datta
5	WG-PQW	Dr. N.K. Tyagi represented by Dr. A.K. Randev
6	WG-ON-FARM	Dr. A.K. Randev
7	WG-CAFM	Vice President Hon. Mr. R. Jeyaseelan
8	PCSPOA	Vice President Hon. Mr. R. Jeyaseelan
9	PCTA	Vice President Hon. Mr. R. Jeyaseelan
10	PFC	Dr. K. Palanisami

The other key INCID activities during the year were as follows:

INCID constituted the proposals for entering into an MoU with CNCID on further collaboration for optimum development of water resources towards sustainable agriculture, flood control, hydropower generation etc.

The International Workshop on Water Saving Technologies for Tropical Regions of Asia in Kuala Lumpur was organized in coordination with WG-WATS, Central Office, ICID, and Malaysian National Committee.

9th meeting of INCID Sub-Committee-I on “Irrigation Performance Assessment, History, Education, Training, Research and Development” was held at New Delhi on 5 May 2006 under the Chairmanship of Mr. B.S. Ahuja, Chairman of the Sub-Committee and Member (WP&P), Central Water Commission, Ministry of Water Resources, Govt of India. Meeting of INCID Sub-Committee-II on “Crop water use, drought management, micro and mechanical irrigation” was held on 26 June 2006 under the Chairmanship of Dr. A.K. Singh, Chairman of the Sub-Committee and Project Director, WTC, IARI, New Delhi. In the meetings, the status of ongoing research schemes, completed schemes and new research proposals were discussed.

The workshop for identification of indicators for the INCID Research Scheme “Study on Impact of Indira Gandhi Canal System on Agriculture Development and Socio-economic Conditions” was organized by Dr. P.K. Dixit, Principal Investigator and Rajasthan Gramoththan Sanstha on 15 July 2006 at Jaipur, Rajasthan.

The 8th meeting of INCID Sub-Committee-III on Flood Management, Drainage and Environmental Impacts was held at New Delhi, India on 1 September 2006 under the Chairmanship of Mr. S.K. Agarwal, Chairman of the Sub-Committee and Member (RM), Central Water Commission. In the meeting, the status of ongoing research schemes was discussed.

The 8th meeting of INCID Sub-Committee-IV on Flood Management, Drainage and Environmental Impacts was held at Chennai, India on 10 November 2006, under the chairmanship of Mr C.J. Kandasamy, Chief Engineer, PWD/WRO, Government of Tamil Nadu, Chennai.

The 5th meeting of INCID Sub-Group-I on Invited Research was held at New Delhi on 20 November 2006 under the Chairmanship of Mr. B.S. Ahuja, Member (WP&P), Central Water Commission and Chairman of the Sub-Group.

The 8th meeting of INCID Working Group on Bio-Drainage was held under the Chairmanship of Shri A.S. Dhingra, Commissioner (CADWM), Ministry of Water Resources on 6 February 2007 at Krishi Bhawan, New Delhi. In the meeting, progresses of seven ongoing research schemes were presented by the Principal Investigators were discussed.

The Annual R&D Session was held at NERIWALM, Tezpur, Assam on 26-27 February 2007 for the first time in North Eastern Region, where a review of about 40 ongoing research schemes was done by a Review Team constituted for the purpose. The Session was attended by 72 participants from Ministry of Water Resources (MoWR), Central Water Commission (CWC), Central Ground Water Board (CGWB), Indian Agriculture Research Institute (IARI), and other Research Institutions and Universities, Conveners & Members of INCID Committee, Sub-Committee. This event received good publicity and has helped generate awareness amongst the Institutes and Universities of the region about the role INCID is playing in R&D efforts in the water/Irrigation sector.

The 25th meeting of INCID Committee was held on 9 March 2007 under the Chairmanship of Mr. S.K. Das, Chairman, INCID and Central Water Commission at New Delhi. In the INCID meeting, important issues like broad basing of INCID, revision of Constitution of INCID, bilateral MoUs with National Committees of other Countries, dissemination of R&D findings and holding of the 5th Asian Regional Conference at New Delhi during 2009, etc. were discussed.

The important decisions of the meeting were (i) A note giving advantages of broad basing of INCID, alongwith comparative position in neighbouring countries be sent to MoWR; (ii) In the interest of work, present arrangement of INCID with Secretariat being provided by Water and Power Consultancy Services (India) Ltd (WAPCOS) may continue; (iii) Constitution and By-laws of INCID be revised so as to include about broad basing also and an overall modified proposal be sent to MoWR; (iv) A separate Website for INCID be created.

The INCID participated in the exhibition organized from 16-18 September 2006 at Kuala Lumpur, Malaysia during the 57th IEC events. INCID celebrated World Water Day/ Water Resources Day-2006 on 22 March 2006 at Central Soil and Materials Research Station (CSMRS) Auditorium, New Delhi.

India's submission could garner ICID WatSave Young Professionals Award. The award was received by Ms. Neelam Patel for her significant contributions in the field of micro irrigation during the last decade.

Indonesia (INACID)

Participation of Indonesian National Committee (INACID) in 5 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Mr. Sastrodihardjo Siswoko represented by Dr. Hafied A. Gany
2	WG-CBTE	Dr. Ferri Putuhena
3	WG-HIST	Dr. Hafied A. Gany
4	WG-SOCIO	Mr. Mohd Ali represented by Dr. Hafied A. Gany
5	WG-SDTA	Dr. Indreswari Guritno represented by Dr. F. Putuhena

INACID signed a Memorandum of Understanding (MoU) on 14 September 2006 during the 57th International Executive Council (IEC) meeting at Kuala Lumpur in Malaysia with Iranian National Committee on Irrigation and Drainage (IRNCID) for bilateral collaboration.

It was also proposed and agreed that INACID would organize the 61st IEC meeting of ICID from 11-17 July 2010 in Jogjakarta, Indonesia. INACID will also organize 6th Asian Regional Conference as one of the main events which is to be held in conjunction with the 61st IEC.

Iran (IRNCID)

Participation of Iranian National Committee (IRNCID) in 17 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Vice President Dr. Karim Shiati
2	WG-ENV	Mr. Mohammed Kazem Siahhi represented by Mr. Mohsen Siahhi and VPH. Dr. Javad Farhoudi
3	WG-HIST	Dr. Naser Shayan represented by VPH. Dr. Javad Farhoudi
4	WG-R&D	Mr. Ezzatollah Farhadi
5	WG-YPF	Mr. Ali Reza Salamat
6	TF-LDCsAS	Vice President Hon. Dr. Saeed Nairizi
7	WG-SOCIO	Dr. S.A. Assadollahi
8	WG-DMIS	Dr. M.K. Siahhi represented by Mr. E. Farhadi
9	WG-CLIMATE	Vice President Dr. Karim Shiati
10	WG-ON-FARM	VPH. Dr. S. Nairizi represented by Mr. Hassan Shantia
11	WG-IADWS	Vice President Hon. Dr. Saeed Nairizi
12	WG-ILWRM	Mr. Ezzatollah Farhadi
13	PFC	Vice President Hon. Dr. Saeed Nairizi
14	C-PR&P	Vice President Hon. Dr. Javad Farhoudi
15	WG-WATS	Mr. Mehrzad Ehsani
16	PCSPOA	Vice President Dr. Karim Shiati
17	WG-CD	Vice President Hon. Dr. Javad Farhoudi

IRNCID brought out the following publications in 'Persian'

- (1) Convention Irrigation System in NAEN CITY;
- (2) Principles and Applications of Deficit Irrigation;
- (3) Early Flood Warning Systems;
- (4) Selection of Irrigation Methods for Agriculture;
- (5) Rapid Appraisal Process and the Application in Irrigation and Drainage.



IRNCID Secretariat created a Message Board on IRNCID Website to provide the possibilities of multilateral dialogues among the irrigation and drainage experts. It has about 1000 members with about 1500 registered exchanged messages.

IRNCID organized a workshop on 'Harmonic Co-existence with Floodwaters' in August 2006. More than 200 engineers, managers, university professors and students attended the workshop.

IRNCID signed a Memorandum of Understanding (MoU) on 14 September 2006 during the 57th International Executive Council (IEC) meeting at Kuala Lumpur in Malaysia with Indonesian National Committee on Irrigation and Drainage (INACID) for bilateral collaboration.

IRNCID also initiated various tasks such as developing and launching of website, call for papers, dissemination etc. required for conducting 4th Asian Regional Conference and 10th International Seminar on Participatory Irrigation Management from 2-5 May 2007 in Tehran, Iran.

During the 57th IEC meeting, the IRNCID candidate Dr. Karim Shiati was elected as elected Vice President of ICID.

Italy (ITAL-ICID)

Participation of Italian National Committee (ITAL-ICID) in 5 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1	WG-CLIMATE	Prof. Dr. Daniele De Wrachien
2	WG-ON-FARM	Dr. Graziano Ghinassi
3	WG-CROP	Prof. M.E.V. Scarascia represented by Dr. Graziano Ghinassi
4	WG-IADWS	Dr. Graziano Ghinassi
5	PCTA	Prof. Daniele De Wrachien represented by Dr. Graziano Ghinassi

The nominated member of ITAL-ICID, Prof. Maria Elisa Venezian Scarascia, Secretary General, ITAL-ICID is ICID's permanent representative in FAO. Accordingly, she has been gracious to join in the FAO meetings held in Rome on

behalf of ICID. ITAL-ICID has initiated action required for organizing the 22nd European Regional Conference from 2-6 September 2007 in Pavia, Italy.

Japan (JNC-ICID)

Participation of Japanese National Committee (JNC-ICID) in 23 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Vice President Hon. Dr. Shigetaka Taniyama and Dr. Shinsuke Ota
2	WG-CBTE	Dr. M. Satoh represented by Dr. Yoshisuke Nakano
3	WG-ENV	Mr. M. Yokozawa represented by Prof. N. Hatcho
4	WG-HIST	Prof. N. Hatcho
5	WG-R&D	Dr. Yohei Sato represented by Prof. N. Hatcho
6	ST-ARAL	Prof. N. Hatcho
7	TF-IBWT	Prof. dr. Takeshi Hata
8	TF-LDCsAS	Vice President Hon. Dr. Shigetaka Taniyama
9	WG-SOCIO	Prof. Yohei Sato represented by Prof. Tsugihiko Watanabe
10	WG-DMIS	Mr. Y. Yukawa represented by Dr. T. Watanabe
11	WG-PQW	Mr. S. Seyama

No.	Workbody	Member of the National Committee Participated
12	WG-CLIMATE	Dr. Tsugihiko Watanabe
13	WG-ON-FARM	Prof. Y. Nakano
14	WG-CAFM	Dr. Takeshi Hata
15	WG-CROP	Dr. Y. Nakano
16	EB-JOUR	Prof. Dr. Riota Nakamura, Vice President Hon.
17	WG-IADWS	Dr. T. Watanabe
18	WG-SDTA	Mr. Ueda Kazumi represented by VPH Dr. S. Taniyama
19	PCTA	Dr. Yohei Sato
20	TF-WWF4	Prof. Dr. Riota Nakamura, Vice President Hon. represented by Mr. Shuhei Seyama
21	PFC	Dr. N. Hatcho represented Prof. Dr. Kinji Ohashi
22	WG-YPF	Mr. Hidekazu Tagashira
23	WG-DRG	Dr. Shinsuke Ota

In commemoration of the 57th ICID Foundation Day, JNC-ICID conducted a special lecture on “Agricultural and Rural Development in Africa” on 27 June 2006 at Tokyo.

meeting at Kuala Lumpur, Malaysia from 10-13 September 2006.

JNC-ICID actively participated in the 3rd Asian Regional Conference organized in conjunction with the 57th IEC

JNC-ICID volunteered to assist financially the brochure on “Multiple Roles and Diversity of Irrigation Water” for presentation during WWF-4 in Mexico.

Korea (KCID-ICID)

Participation of Korean National Committee (KCID-ICID) in 8 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Dr. Cheong Byeong-Ho represented Tai-Cheol Kim
2	WG-ENV	Dr. Choi Joong-Dae
3	WG-YPF	Mr. Jong Min Park represented by Dr. D.S. Kim
4	TF-LDCsAS	Prof. Soon-Kuk Kwun
5	WG-ON-FARM	Dr. Kim Sun-Joo
6	WG-CROP	Mr. Tai Cheol Kim
7	EB-JOUR	Prof. Kwun, Soon-Kuk, Vice President Hon.
8	WG-SDTA	Dr. Park Sang Hyun

KCID-ICID has offered the funds required for printing the proceedings of the half-day workshop of WG-SDTA,

scheduled to be held at Sacramento, USA in 2007.

Malaysia (MANCID)

Participation of Malaysian National Committee (MANCID) in 7 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Vice President Ir. Mohd. Azhari bin Ghazalli
2	WG (R&D)	Dr. Mohammad Che Husain
3	WG-YPF	Mr. Megat Johari Megat Mohd. Zoor represented by Ms. Yasmin Rasyid and Mr. S.V. Kalaiselvam
4	EB-JOUR	President Hon. Ir. Keizrul bin Abdullah
5	C-CONGR	Vice President Ir. Mohd. Azhari bin Ghazalli
6	WG-SDTA	V.P. Mohd. A. bin Ghazalli represented by Mr. Teoh Weng Chan
7	PCSPOA	Vice President Ir. Mohd. Azhari bin Ghazalli

The National Committee had a lot to exert during the year for the preliminary of IEC events in Kuala Lumpur.

MANCID was extremely active during the 57th IEC events held at KL from 10-15 September 2006. MANCID had arranged excellent program for the IEC participants. It coordinated various tasks related with Workbody meetings/workshops, seminars and conferences that were organized in conjunction with 57th IEC.

The Organizing Committee of the Malaysian event took special attention to welcome the delegates at Kuala Lumpur and make their stay to a memorable one with impressive hospitality. MANCID ensured supports to each and every participant to confirm that their study tours are well tied up and rewarding.

More than 360 delegates from 46 countries including representatives from several international organizations participated in the IEC KL events. MANCID deserves

congratulations for making the 57th IEC event and other interconnected activities such as 3rd Asian Regional Conference, 7th Micro Irrigation Congress, and Arrangements for Exhibitions by the National Committees of ICID a highly successful one.

MANCID brought out proceedings of the 3rd ARC and 7th Micro Irrigation Congress on a CD and distributed to all participants/stakeholders. MANCID also brought out a book on “The History of Irrigation and Drainage in Malaysia” on 14 September 2006 during the 57th IEC closing ceremony. MANCID also extended its full support for the Asian Drainage Program for the Humid Tropics (ADPHT) and Eradication of Information Gap in Asian Region.

MANCID co-sponsored the WatSave Awards 2006 together with Spanish National Committee (CERYD).

Ir. Mohd. Azhari bin Ghazalli, Vice Chairman of MANCID was elected as a new Vice President of ICID during the 57th IEC meetings.

Mexico (MXCID)

Participation of Mexican National Committee (MXCID) in 2 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	AMRWG	Dr. Luis Rendón Pimentel
2	TF-WWF4	Dr. Luis Rendon Pimentel



MXCID actively coordinated forum activities for WWF-4 and worked together TF-WWF-4. MXCID arranged a field visit during the occasion. Hon. President Peter Lee, ICID and Vice President Hon. Mohamed Hassan Amer, ENCID with other ICID members were shown the Irrigation District No. 11 in Lerma-Chapala basin, North of Mexico City. The District has about 25,000 water users under 11 Water User Associations (WUAs) and covers an area of 116,000 ha. The ICID Team also visited one of the best organized WUAs namely Modulo Valle de Santiago and exchanged views and experiences on successful irrigation methods and practices, cropping pattern and funding options available and used in the region.

The Netherlands (NETHCID)

Participation of The Netherlands National Committee (NETHCID) in 10 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	WG-CBTE	Mrs. Ir. Catharien Terwisscha van Scheltinga represented by Ir. H.P. Ritzema
2	WG-ENV	Dr. Ge van den Eertwegh
3	WG-HIST	Dr. Hubert Toussaint
4	WG-R&D	Prof. (Mrs.) L. Vincent
5	TF-IBWT	Prof. dr. ir. Bart Schultz, President Hon. ICID

No.	Workbody	Member of the National Committee Participated
6	WG-DRG	Dr. W.F. Vlotman
7	WG-PQW	Dr. Frans Huibers
8	WG-CAFM	Mr. Dick de Bruin
9	EB-JOUR	Prof. dr. ir. Bart Schultz, President Hon. ICID
10	WG-SDTA	Ir. Henk P. Ritzema

In addition to the above Workbody activities carried out by NETHCID, the NETHCID also supported the Asian Drainage Program for the Humid Tropics (ADPHT) and Eradication of Information Gap in Asian Region.

NETHCID also reported that Prof. dr. Ir. Bart Schultz (President Hon., ICID; 1999-2002) had relinquished his positions as Chairman, NETHCID and The Netherlands Representative on 1 January 2007 after representing NETHCID for 22 years. As everyone in ICID family is well

aware Prof. Schultz contributed immensely to the ICID activities since 1984. He chaired the ICID Working Group on Drainage, Committee on Construction and Operation, and Permanent Committee on Technical Activities and has organized several ICID events, including the 1993 Congress at The Hague. He has also been a member of several Working Groups, Task Forces and Organizing Committees. His role in making new contacts for ICID country membership, advancing commercial publication of ICID Journal on 'Irrigation and Drainage' and facilitating a grant to ICID through the Government of The Netherlands for the 'Country Policy Support Programme' (CPSP) are well known. His present involvement as Chairman Task Force on Inter Basin Water Transfers (TF-IBWT) is also valuable.

The NETHCID has awarded him the prestigious KIVI (Koninklijk Instituut Van Ingenieurs) Medal for his immense contributions. ICID fraternity congratulates him and expresses its gratitude for his untiring services. Prof. Dr. Ir. Nick van de Giesen has succeeded President Hon. Bart Schultz as Chairman NETHCID and Dr. Pol Hakstege assumed the office as Secretary / Treasurer of the NETHCID.



Nigeria (NINCID)

Participation of Nigerian National Committee (NINCID) in 7 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1	ST-ARAL	Eng. M.S. Adamu
2	AFRWG	Vice President Hon. Engr. I.K. Musa
3	ST-LCB	Engr. M.S. Adamu
4	TF-LDCsAF	Vice President Hon. Engr. I.K. Musa
5	WG-DRG	Engr. M.S. Adamu
6	WG-ILWRM	Engr. M.S. Adamu
7	PCSPOA	Vice President Hon. Engr. I.K. Musa

The 60th IEC meeting of ICID will be held in Abuja, Nigeria in 2009. NINCID has initiated necessary actions required for

organizing various events including the 3rd African Regional Conference in conjunction with the IEC event.

Pakistan (PANCID)

Participation of Pakistan National Committee (PANCID) in 11 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Mr. Waseem Nazir
2	WG-CBTE	Dr. Muhammad Latif represented by Mr. Waseem Nazir
3	WG-HIST	Dr. Illahi B. Shaikh

Pakistan (PANCID)

Participation of Pakistan National Committee (PANCID) in 11 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
4	TF-IBWT	Mr. Syed Jamaat Ali Shah
5	WG-DRG	Dr. M. Nawaz Bhutta represented by Dr. I.B Shaikh
6	WG-CAFM	Dr. Illahi B. Shaikh
7	C-CONGR	Dr. Illahi B. Shaikh
8	WG-IADWS	Dr. Abdul Majeed represented by Mr. Fazlur R. Siddiqi
9	PFC	Mr. Syed Raghieb Abbass Shah
10	WG-ENV	Dr. Illahi B. Shaikh
11	WG-CD	Mr. Waseem Nazir



PANCID was one of the NCs actively participated in the exhibitions organized in conjunction with the 57th IEC

events. PANCID celebrated the World Water Day 2006 in collaboration with the Institution of Engineers, Pakistan on the theme “Environ Monitor” on 22 March 2006. PANCID also celebrated the 57th Foundation Day of ICID by conducting a seminar on “Factors affecting canal lining life” at the International Waterlogging and Salinity Research Institute (IWASRI). PANCID will organize the 59th IEC and 20th International Congress in Lahore, Pakistan from 13-19 October 2008. For providing various information on these events, PANCID launched a new website <http://www.icid2008.org>. The website provides details on themes, sub-themes of the Congress, Special Session, Symposium and Seminars, Call for Papers, Registration and Venue.

Russia (RUCID)

Participation of Russian National Committee (RUCID) in 7 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	AC-IPTRID	Dr. (Mrs.) Irene Bondarik
2	ST-ARAL	Acad. Boris Kizyaev, represented by Dr. (Mrs.) Irena Bondarik
3	C-CONGR	Dr. N.N. Dubenok represented by Vice President Dr. G.G. Guluyk
4	ERWG	Mr. Y. P. Goussenkov
5	PCSPOA	Vice President Dr. G.G. Guluyk
6	PCTA	Vice President Dr. G.G. Guluyk
7	WG-DRG	Mr. Y. Yanko

RUCID and Ministry of Agriculture, Russian Federation organized an International Workshop on ‘Social - Economic and Ecological Issues of Drainage Systems’ during 21-23 June 2006 at St. Petersburg, Russia. The well attended event had an excellent blend of technical sessions and field demonstrations. Vice President G.G. Guluyk, Chairman, RUCID coordinated the activities.

The RUCID awarded medals on the occasion of the 100th birth year of Late ICID President Mr. Evgeni E. Alekseevsky (who held the office of ICID President between 1972 to

1975) during 57th IEC meeting at Kuala Lumpur. The Ministry of Agriculture of Russian Federation instituted several commemorative Prizes & Medals for the excellent and lead contribution in the irrigation and drainage sector. 25 professionals of ICID received the medals for their contributions for ICID.

RUCID also provided a special plaque for ICID Central Office recognizing its coordinated involvements in ICID sphere of activities and was received by Secretary General Er. M. Gopalakrishnan

South Africa (SANCID)

Participation of South African National Committee (SANCID) in 15 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	WG-R&D	Prof. J.G. Annandale
2	WG-YPF	Mr. Bennie Grove
3	AFRWG	Dr. Sizwe Mkhize
4	WG-SOCIO	Prof. Sylvain Perret represented by Dr. G.R. Backeberg
5	TF-LDCsAF	Dr. Sizwe Mkhize
6	WG-WATS	Dr. Neil Louis Lecler represented by Mr. John Anandale
7	WG-PQW	Dr. Heinrich M. du Plessis
8	WG-CLIMATE	Prof. Roland E. Schulze
9	WG-ON-FARM	Vice President Mr. Felix B. Reinders
10	WG-CAFM	Prof. M.F. Viljoen represented by Prof. L.K. Oosthuizen
11	WG-CROP	Dr. Andrew Sanewe represented by Prof. John Annandale
12	EB-JOUR	Dr. Gerhard Backeberg represented Prof. Dr. James Murray de Jager
13	WG-IADWS	Dr. G.R. Backeberg
14	WG-ILWRM	Mr. L.K. Oosthuizen
15	PCSPOA	Vice President Mr. Felix B. Reinders



South Africa's submission could garner ICID WatSave Innovative Water Management Award. The award was received by Dr Nico Benadé for his development and implementation of the Water Administration Systems (WAS) with support of the Water Research Commission over the last 20 years. SANCID has submitted a proposal to organize and host the 2nd African Regional Conference. The proposal was accepted in the 57th IEC of ICID on 16 September 2006. A Local Organizing Committee chaired by Vice President Felix Reinders has been constituted. The first announcement had been sent to all members of ICID, SARIA, ARID and SANCID in December 2006. The Call for Papers was posted on the SANCID website on 31 January 2007. It contains the schedule of activities and target dates of the conference in November 2007. SANCID held a second Symposium 15-17 November 2006 at the Aventura Swadini resort in Mpumalanga Province, South Africa on the theme "The changing face of irrigation in Southern Africa". The SANCID propose to provide proceedings of the Symposium on a CD and publish selected and reviewed papers in a special issue of the Water Research Commission journal "WaterSA".

Water Research Commission (WRC) in partnership with Department of Agriculture (DoA), who are also members of SANCID organized a workshop on "Training to promote experiential learning and participatory water management by farmers on smallholder irrigation schemes" on 6-7 February 2007. The following papers contributed by SANCID were published in the ICID journal "Irrigation and Drainage":

- The Research and Development Strategy for Water Utilisation in Agriculture – Responding to Diverse Needs of Farmers in South Africa: GR Backeberg and AJ Sanewe. Volume 55, Number 3, July 2006.
- Planning and Management of Flood Damage Control: The South African Experience: MF Viljoen and HJ Booyesen. Volume 55, Supplement 1, July 2006.
- Provision of Irrigation Scheduling Advice to Small-scale Sugarcane Farmers Using a Web-based Crop Model and Cellular Technology: A South African Case Study: A Singels and MT Smith. Volume 55, Number 4, October 2006.

A second SANCID lecture was arranged on September 2006 by Mr Jason Hallows on the subject "Water Conservation and Demand Management in Irrigated Sugarcane". SANCID held a combined Congress of Soil, Crop and Horticultural Sciences in January 2007 at the Aventura Badplaas resort in Mpumalanga Province. During the occasion Mr Felix Reinders presented a keynote paper in his capacity as Executive Committee member of SANCID and Vice President of ICID. This served as an opportunity to explain the objectives and activities of ICID and SANCID in South Africa to scientists and professionals interested in agriculture and water management for achieving food security and socio-economic advancement.

Organization of the 2nd African Regional Conference from 6-9 September 2007 in Johannesburg, South Africa is also one of the future events of SANCID in their calendar.

Spain (CERYD)

Participation of Spanish National Committee (CERYD) in 8 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1	WG-ENV	Vice President Hon. Dr. Jose A. Ortiz Fdz.-Urrutia
2	WG-HIST	Vice President Hon. Prof. Dr. Ricardo Segura Graiño
3	TF-IBWT	Vice President Hon. Dr. José A. Ortiz Fdz.-Urrutia
4	WG-SOCIO	Mr. Vicente Carcelen represented VPH. Prof. Ricardo Segura
5	WG-ON-FARM	Vice President Hon. Dr. Jose A. Ortiz Fdz.-Urrutia
6	WG-CAFM	Prof. J.L. Montanes - represented by VPH. Prof. Ricardo Segura Graiño
7	ERWG	Dr. Ricardo Segura
8	WG-IADWS	Dr. J.M. Rodriguez-Chaparro represented by VPH. Jose A. Ortiz

CERYD co-sponsored the WatSave Awards 2006 together with the Malaysian National Committee of ICID.

Switzerland (CH-AGRAM)

Participation of Swiss National Committee (CH-AGRAM) in 1 Workbody meeting

No.	Workbody	Member of the National Committee Participated
1	WG-CROP	Prof. A. Mermoud

Thailand (THAICID)

Participation of Thailand National Committee (THAICID) in 4 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ASRWG	Dr. Siripong Hungspreug
2	WG-ENV	Prof. Dr. Natha Hungspreug
3	ST-LCB	Mr. Pongsthakorn Suvanpimol
4	WG-DMIS	Dr. Siripong Hungspreug

Turkey (TUCID)

Participation of Turkey National Committee of ICID (TUCID) in 2 Workbody meetings :

No.	Workbody	Member of the National Committee Participated
1	WG-SOCIO	Mr. Sezar Ercan
2	WG-DRG	Ms. Nurgul Uzucek



The Turkish National Committee of ICID (TUCID) organized the 1st National Flood Symposium during 10-12 May 2006 at Ankara, Turkey in which Minister under General of Energy and Natural Resources along with many deputies, bureaucrats and staff of State Hydraulic Works, participated. General Directorate of State Hydraulic Works (DSI) in collaboration with WWC and TUCID organized an International Congress on 'River Basin Management', from 22-24 March 2007 in Antalya, Turkey. TUCID could interact with President and Secretary General and a few of the other Office Bearers and join the round table discussions on setting themes for WWF 5.

Ukraine (UKCID)

Participation of Ukraine National Committee of ICID (UKCID) in 2 Workbody meeting:

No.	Workbody	Member of the National Committee Participated
1	ERWG	Prof Dr. Peter Kovalenko, Vice Chairman , ERWG
2	WG-ON-FARM	Prof Dr. Peter Kovalenko

USA (USCID)

Participation of U.S. National Committee of ICID (USCID) in 15 Workbody meetings

No.	Workbody	Member of the National Committee Participated
1	WG-ENV	Dr. Dennis Wichelns
2	C-PR&P	Vice President Hon. Larry D. Stephens
3	TF-IBWT	Mr. Maurice Roos
4	ST-LCB	Mr. Maurice Roos
5	WG-SOCIO	Dr. (Ms.) Anisa Divine
6	WG-DMIS	Mr. Thomas E. Mitchel
7	WG-CLIMATE	Vice President Dr. Mark Svendsen
8	AMRWG	Dr. Dennis Wichelns
9	WG-CAFM	Mr. Bruce C. Moore represented by Mr. Maurice Roos
10	WG-CROP	Prof. R.G. Allen represented by Dr. Mark Svendsen
11	C-CONGR	Vice President Hon. Larry D. Stephens
12	WG-ILWRM	Vice President Dr. Mark Svendsen
13	PCSPOA	Vice President Dr. Mark Svendsen
14	PCTA	Vice President Hon. Larry D. Stephens
15	PFC	Mr. Joseph I. Burns represented by Vice President Hon. Larry D. Stephens

USCID organized a Water Management Conference during 25-28 October 2006 at Boise, Idaho in USA. The theme of the Conference was "Ground Water and Surface Water under Stress: Competition, Interaction and Solutions".

USCID will be the hosts for the 58th IEC meetings and will be facilitating other workbody meetings/conference/workshops/exhibitions etc. in conjunction with the IEC events from 30 September to 6 October 2007 at Sacramento, USA.

Uzbekistan (UzNCID)

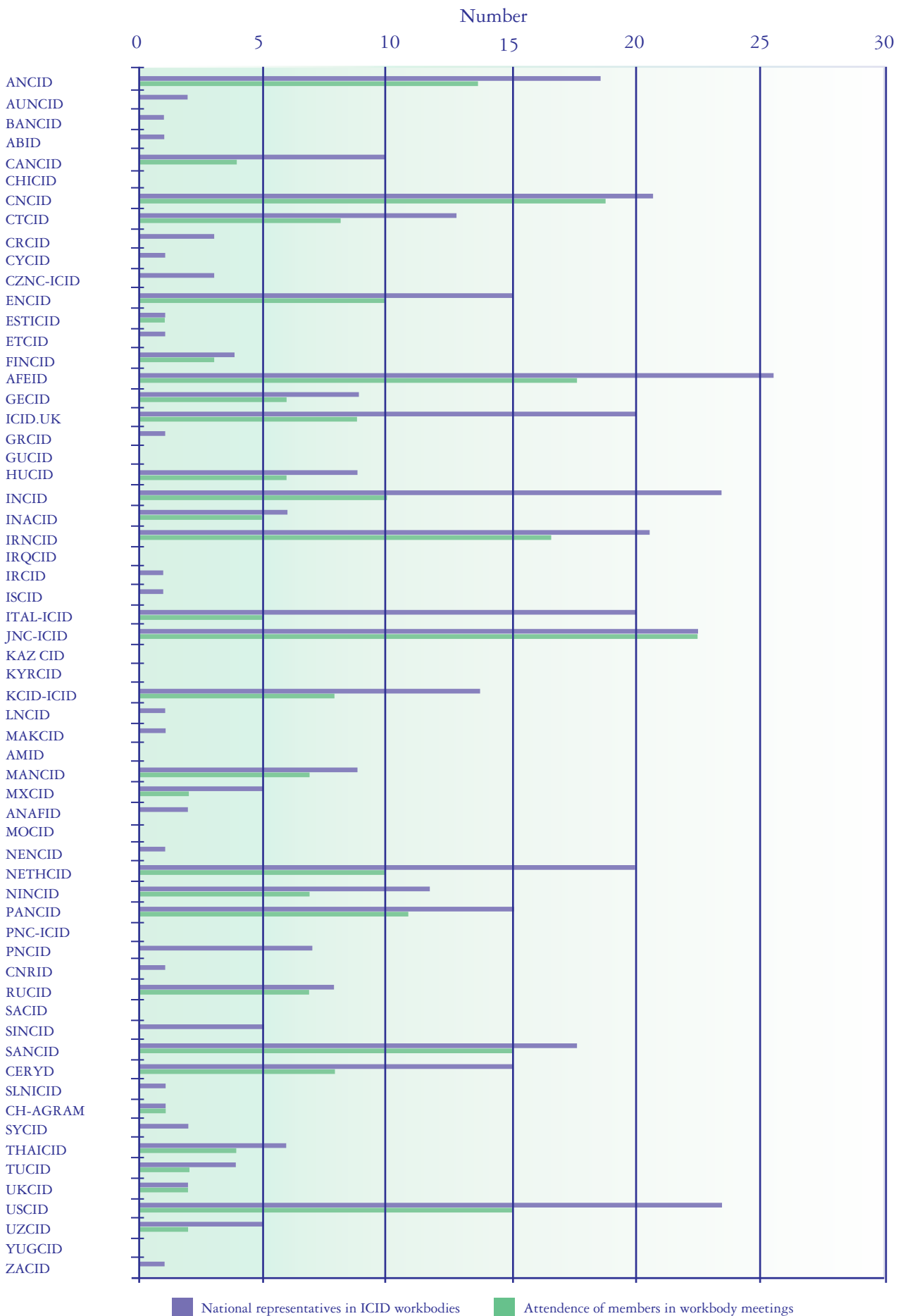
Participation of Uzbekistan National Committee of ICID (UzNCID) in 2 Workbody meetings:

No.	Workbody	Member of the National Committee Participated
1	ST-ARAL	Vice President Hon. Prof. Victor Dukhovny
2	PCSPOA	Vice President Hon. Prof. Victor Dukhovny

In addition to the above activities, during the reporting period UzNCID members actively participated in preparation of lands for irrigation and gave valuable advices on repair and operation of hydro-technical structures and improvement of land reclamation conditions of the irrigated lands, regulation of the river water courses, management and conservation of water resources etc. Specialists of the ministries and organizations of the Republic were acquainted with books

and brochures in the field of irrigation, drainage and flood control, which were received by the UzNCID. UzNCID plans to hold meetings every quarter and consider the matter related to improvement of the technology of measurement of water in canals, technical state and safety operation of large and important water management schemes and irrigation and land reclamation practices for the next 10 years in the Republic of Uzbekistan.

Participation of NCs in ICID Workbody Meetings



International Workshops/Seminars/Conferences

So far, ICID held 57 International Executive Council (IEC) meetings. In addition, ICID organized 19 International Congresses, 10 Afro-Asian Regional Conferences, 21 European Regional Conferences, 4 Pan-American Regional Conferences, 9 International Drainage Workshops, 3 Asian Regional Conferences and 1 American Regional Conference.

During the reporting period i.e. from 1 April 2006 to 31 March 2007, the main International Seminars/Workshops/Special Sessions/ Conferences held by ICID were :

1. 1st National Flood Symposium in Ankara, Turkey

The Turkish National Committee of ICID (TUCID) organized the 1st National Flood Symposium during 10-12 May 2006 at Ankara, Turkey in which Minister under General of Energy and Natural Resources along with many deputies, bureaucrats and staff of State Hydraulic Works, participated. The opening ceremony was graced by Mr. Salih Paşaoğlu, Minister under General of Energy and Natural Resources. He emphasized on the importance of reducing flood damages and preventing loss of life and property. The main topics of the symposium were:

- Impacts and Damages of Floods in Turkey;
- Flood Management;
- Methods of Protecting Flood and Role of Forest;
- Flood Forecast and Modeling;
- Flood Programs;
- Field Applications; and
- Intervention of Flood Control Infrastructure.

During the symposium, General Director Prof. Dr. Veysel Eroğlu, emphasized the necessity of taking preventive measures against flood and reducing damages to shanty settlements, the importance of integrated flood management and referred to reasons for flooding like removal of sand and gravel from river beds, encroachment by builders and even municipalities. He declared that year 2007 will be observed as a 'Streams Year'.

2. International Workshop on 'Social – Economic and Ecological Issues of Drainage Systems', in St. Petersburg, Russia

The Russian National Committee on Irrigation and Drainage (RUCID) and Ministry of Agriculture, Russian Federation organized an International Workshop on 'Social – Economic and Ecological Issues of Drainage Systems' during 21-23 June 2006 at St. Petersburg, Russia, thanks to the significant efforts of Vice President G.G. Guluyk, Chairman, RUCID.

Secretary General, ICID Er. M. Gopalakrishnan participated in the workshop on invitation from RUCID. Quite a few participants from various oblasts in the Federation could join the international event besides neighbouring countries like Romania, Latvia, Lithuania, Ukraine, Moldova and Belarus.

The European Work Team on Drainage (EWTDR) has the membership of several NCs in this part of the globe and the workshop was one of its scheduled activities. The well attended event had an excellent blend of technical sessions and field demonstrations. The technical session aimed to demonstrate the available technology and the use of machinery for drainage works - like weeding the slopes and beds of excavated ditches in open channels, introducing piping for subsurface drainage systems etc. The novel part of the event was an acknowledgement of the best farm and equipment operators, with awards.



During the occasion, Secretary General could notice the lead role that the St. Petersburg and Leningrad region play in regard to the Land Drainage. The reclaimed lands in this region are over 334,000 ha. (63% of all agricultural lands in the region) and are intensely farmed. Inter-alia, vegetables, fruits and other agro-based industrial crops contribute economically to the societal welfare of the region in a big way. The crucial aspects of the discussions related to the support that the farm operators could receive from the State on drainage works acknowledging that the 'Societal' gains due to enhanced environmental and ecological improvements. 'Multi-functionality of Drainage Measures' and the realistic basis of sharing costs (or subsidy by State by pooling additional allocations of beneficiary Agencies) stood identified as major emerging issues.

While deliberating various aspects, Secretary General could see the enormous interest of non-ICID member countries, who participated in the workshop and the problems of drainage in these countries (drainage issues are in the fore in their Agenda) are of global interest. Dissemination in Russian language of what ICID does, by a web page in Russian (translating our English version) could go a long way to help the cause.

Progress in this regard with the cooperation of RUCID has been quite significant and the possibility of the Russian web page getting operationalised in 2007 was rated high.

Secretary General also held discussions with representatives from Belarus, Latvia and Lithuania for becoming members of ICID family.

3. XVI National Congress and Seminar on Irrigation and Drainage (CONIRD) in Goiânia, Brazil

The Brazilian National Committee of ICID (ABID) co-hosted the 'XVI National Congress on Irrigation and Drainage' (CONIRD) during 25-30 June 2006 at Goiânia in Brazil. Mr. Ing. Helvecio Mattana Saturnino, President, ABID invited President Lee to be the Key Speaker for the International ICID Seminar on 28 June 2006. The open seminar was attended by top Government officials, scientists and other professionals from the South American countries besides provinces in Brazil.

President Lee's speech focused on several aspects such as Use of Water in Agriculture (Water for Food), improved management of green and virtual water, improving drainage and empowering the farmers, feeding the world with high yielding crop varieties etc. Briefing the mission of ICID, the core roles of the National Committees of ICID were highlighted by him. A broad-based approach to help improving the knowledge base and capacity building by ICID was indicated.

The 3-day Congress was packed with interest and attracted a good proportion of young professionals. Centre pivot manufacturers were too well represented. It is interesting to note that half of Brazil's 3.44 million ha of irrigated land is under pressurized irrigation, and over 40% of that is under centre pivot.

4. Workshop on Harmonic Coexistence with Floodwaters in Iran

The Iranian National Committee of ICID (IRNCID) organized a workshop on 'Harmonic Co-existence with Floodwaters' in August 2006. More than 200 engineers, managers, university professors and students attended the workshop. Thirteen papers related to flood risk management, education aspects of floods, classifying the flood, traditional methods of dealing with floods in the country, flood zoning, application of GIS and integrated flood management were presented. A film on 'Warning Systems' was also projected in the workshop. The summary of Congress Question 53 and workshop on "Flood Management" held on 11 September, 2005 in Beijing, China were disseminated.

5. 1st Special Session of Task Force for Least Developed Countries in Asia in Kuala Lumpur, Malaysia

The Task Force for Least Developed Countries in Asia (TF-LDCsAS) constituted by Asian Regional Working Group (ASRWG) in 2000 carried out a questionnaire survey on "Development with Partnership - Avenues for Cooperation" in 2004 to 2005 concentrating mainly on the state of irrigation in LDCsAS. The TF-LDCsAS realized one common feature of irrigation infrastructure in LDCsAS and this was the dominance of small or minor schemes. The need for conducting the 1st Special Session (SS) stood recognized based on the facts identified from the questionnaire survey of 2004-2005.

The first SS was conducted in Kuala Lumpur, Malaysia on 10 September 2006. The main theme was "Planning, implementation, and management of small or tertiary distribution schemes in LDCs and other countries in Asia". The exemplary areas covered were :

- Capacity building for planning, designing, construction, and management of irrigation and drainage schemes;
- Practical research and development on planning, designing, construction, and management of irrigation and drainage schemes;
- Case studies of best administrative/ management practices, e.g., cost sharing of infrastructure improvement and/or development or mechanisms for efficiency and equity in water distribution, including those of traditional schemes;
- Comparative studies on the effectiveness of management/ regulatory framework for sustainable management of water resources, including groundwater; roles of governments and institutional arrangements for participatory irrigation and drainage development and management; and
- Empowerment of women in decision-making for planning, implementation, and management of irrigation schemes.

Four papers selected for the Session were :

1. Hideyuki Kanamori, Japan International Cooperation Agency (JICA), "Introduction of Practical Technologies for Minor Irrigation Schemes";
2. Md. Nurul Islam and Q.R. Islam, Bangladesh, "Local Stakeholders Participation for Small Scale Water Resources Management in Bangladesh: A Case Study";
3. S. Taniyama, Japan, "The Importance of Small-Scale Irrigation and Participatory Irrigation Management"; and
4. Makonnen Louseged, Ethiopia, "Constraints of Small Scale Irrigation Management and Research in Ethiopia" .

Three papers (except Ethiopian paper) were presented in the Special Session highlighting the issues of TF-LDCsAS.

6. International Workshop on "Modernization of Improved Service Delivery", Kuala Lumpur, Malaysia

The Working Group on Development and Management of Irrigation Systems (WG-DMIS) organized an International Workshop on Modernization of Improved Service Delivery” on 11 September 2006 in Kuala Lumpur, Malaysia in conjunction with its 9th WG-DMIS. There were five presentations made on different aspects and approaches to modernization of irrigation and drainage systems and services :

1. Mr. Francois Onimus (Canal du Provence, France) presented on experiences in France with modernization of traditional irrigation systems.
2. Mr. Russell Cooper (Goulburn Murray, Australia) presented on experiences with modernization in Australia.
3. Mr. Adama Sangare (Office du Niger, Mali) presented on various aspects of modernization currently taking place in the Office du Niger including infrastructure, land consolidation, agronomic practices and participatory management.
4. Mr. Thierry Facon (FAO, Thailand) presented on the main focus of the FAO program in South East Asia using Rapid Appraisal Process (RAP) and Mapping System and Services for Canal Operation TEchniques (MASSCOTE).
5. Mr. Bruno Molle (Cemagref, France) presented on farm modernization approaches in Mediterranean countries.

In the concluding session of the Workshop, it was acknowledged that there is a need to continue activities focused on improving the delivery of services within ICID. Recommendations were made to create a new Working Group so as to lead this task more specifically with the adoption of the innovations in management, infrastructure, institutions and operations.

7. International Workshop on “Use of Poor Quality Water for Irrigation”, in Kuala Lumpur, Malaysia

The Working Group on Use of Poor Quality Water for Irrigation (WG-PQW) organized an International Workshop on “Environmental Consequences of Using Poor Quality of Waters” at Kuala Lumpur on 12 September 2006. The workshop was a joint activity of FAO and ICID. The workshop themes included (a) Irrigation with poor quality water as a means to reduce environmental impacts; (b) Health aspects associated with irrigation with poor quality water; and (c) Environmental impacts associated with using poor quality water for irrigation.

The Central Office brought out the proceedings of the workshop in hard copies as well as on CD-ROM and distributed amongst the participants at Kuala Lumpur.

8. International Workshop on “Water Saving Practices in Rice Cultivation”, in Kuala Lumpur, Malaysia

The Working Group on Sustainable Use of Natural Resources

for Crop Production (WG-CROP) conducted an International Workshop on “Water Saving Practices in Rice Cultivation” on 14 September 2006 during the 57th IEC meetings in Kuala Lumpur, Malaysia. The workshop was organized as a part of the activities of the WG-CROP. The event was organized jointly by WG-CROP, Malaysian National Committee of ICID and ICID British Section. There were six sessions focused on themes:

- (i) Field measurements for water saving in rice cultivation;
- (ii) The role of water authorities and institution;
- (iii) Operational control of water supplies for water saving in rice cultivation;
- (iv) Water management for water saving in rice cultivation at farm level;
- (v) Re-use and cyclic use for water saving in rice cultivation; and
- (vi) Computer support, modeling and decision support systems for rice cultivation.

The proceedings of the workshop were published on a CD-ROM.

9. International Workshop on ‘Monitoring and Evaluation of Capacity Development Programmes’

The ICID and IPTRID-FAO have been organizing workshops on Capacity Building, Training and Education (CBTE) since 2003. The 4th such workshop in the series on ‘Monitoring and Evaluation of Capacity Development Programmes’ was held on 14 September 2006 at Kuala Lumpur, Malaysia during 57th IEC meetings of ICID.

The workshop focused on four main objectives :

- (1) Finalize the cycle of the Capacity Development process initiated with the establishment of the basic framework, the identification of the strategic phases, the assessment needs, and the design and implementation covered in the previous workshops.
- (2) Present a general overview on the way the capacity development activities are done in developing countries, including steps followed to monitor and evaluate the programmes.
- (3) Provide some guidance for successfully engaging in the process of monitoring and evaluating a capacity development strategy, presenting some real case studies from developing countries.
- (4) Finally, provide a platform for further collaboration and networking in the field of capacity development for the agricultural water management.

The central feature of the workshop was presentations from the key agencies in the forefront of capacity development in agricultural water management. The six papers presented in the Session were :

- (1) Monitoring and Evaluating Capacity Development in Irrigation. (Wilfred Hundertmark and Virginie Gillet);
- (2) Monitoring and Evaluation Process and Results for Capacity Building of Water Resources Sector in Indonesia (F.J. Putehena and Agus S. Kusmulyonon);
- (3) Monitoring and Evaluation of Capacity Building for Irrigation Modernization (Charles Burt);
- (4) Monitoring and Evaluation of Capacity Development Programme as part of APFMAGS Project, India (Somasekhar Rao P et al);
- (5) Capacity Building for Sustainable Management of Peatlands in the Humid Tropics from Research to Application (Henk Ritzema et al); and
- (6) Monitoring and Evaluation of Capacity Development Programmes at UNESCO IHE – Reflections from Selected Cases (Carel Keuls et al)

The papers provided an insight into the processes of monitoring and evaluation of capacity-development programmes.

In relation to the issues highlighted, the following points emerged as a consensus :

- Very few Capacity Development (CD) projects in agricultural water management seem to have Monitoring and Evaluation (M&E) systems in place.
- Logical framework tool can give the M&E process more credible and scientific support.
- M&E of CD projects even though time and resource consuming, important advantages were observed in return.
- Long term partnership and participation of each stakeholder are required to have proper M&E in long run.
- The complexity of M&E system increases from the individual to the institutional to the enabling environment level.

The proceedings of the workshop will be published by IPTRID-FAO in collaboration with ICID WG-CBTE.

10. International Workshop on Water Saving Technologies for Tropical Regions of Asia in Kuala Lumpur, Malaysia

The ICID Working Group on Water Saving for Agriculture (WG-WATS) organized International Workshop on “New Initiatives on Water Saving Technologies for Tropical Regions of Asia” on 14 September 2006 at Kuala Lumpur, Malaysia. The main theme of the Workshop was “Modern Technologies for Water Saving” with sub-themes on improved water saving through pressurized irrigation, evaporation control measures for water conservation, policy and institutional aspects, with special emphasis on tropical regions in Asia.

The International Workshop was organized in coordination

with WG-WATS, Central Office, ICID, Malaysian and Indian National Committees. 28 abstracts of the papers from 6 countries were received. About 19 papers were selected after scrutiny and evaluation by a panel of experts for presentation. In addition to this, the Chairman, WG-WATS also presented a technical paper entitled “Assessing Evaporation from Lake Nasser with Remote Sensing Technologies” – jointly prepared by Dr. Wael Khairy and Dr. Hussein El-Atfy. The Working Group while concluding the session thanked the organizers of MANCID and INCID for providing excellent arrangements and co-ordinations.

During the concluding speech, Chairman, WG-WATS agreed to explore the possibility of facilitating/sponsoring a WatSave Workshop as a side event during the forthcoming ICID meetings to be held in 2007, 2008 or 2009.

11. International Workshop on “Sustainable Development of Tidal Areas”, Kuala Lumpur, Malaysia

The International Workshop on “Sustainable Development of Tidal Areas” was held by the ICID Working Group on Sustainable Development of Tidal Areas (WG-SDTA) on 15 September 2006 in Kuala Lumpur, Malaysia. During the workshop, various portions compiled with respect to WG-SDTA publications on Tidal Areas including some case studies as detailed below were presented and deliberated:

- Chapter 2 : Aspects of Managing Development of Tidal Areas- Park Sang Hyun
- Chapter 2.3 : Conservation (habitat/biodiversity) - Lee Deog-Bae
- Chapter 2.5 : Multi-functional Roles of Tidal Reclaimed Areas- S. Taniyama
- Chapter 2.7 : Water Quality Management Planning - Joong-Dae Choi, E. Shiratani, et al.
- Case Study : Water Quality Management of Freshwater Lake- Sun Joo KIM, Phil Shik KIM
- Chapter 2.9 : Economic Issues- Kim Hong Sang
- Chapter 3 : Tidal and Lowland Feature- Indr. Guritno, A. Ghazalli
- Case Study : The Muda Irrigation Scheme in Malaysia- Saemangeum Seadike
- Recent developments : Mr. Lee Bong hoon, Eo, Daesu
- Chapter 6 : Tidal Reclamation and Their Impact on Natural process - Bernd Probst
- Working Group SDTA : The way forward - Henk Ritzema

12. 7th International Micro Irrigation Congress held in Kuala Lumpur, Malaysia

The 7th International Micro Irrigation Congress was held at Kuala Lumpur from 13-15 September 2006 and was attended by over 300 delegates from 46 countries. The theme of the Congress was “Advances in Micro Irrigation

for Optimum Crop Production and Resource Conservation”. Forty papers under ten sub-themes were received from across the world.

In the Congress it was highlighted that currently, some 6 million ha (Mha) are under micro irrigation world over. The highest coverage is in America (1.9 Mha) followed by Europe and Asia (1.8 Mha each), Africa (0.4 Mha), and Oceania (0.2 Mha). The top ten countries in micro irrigated areas are – USA, Spain, India, China, Italy, Brazil, Russia, Mexico, Saudi Arabia, and Australia. These ten countries share about 75% of the total micro irrigated area of the world.

Recommendations from the discussions in the plenary session were:

- Special efforts will be needed to remove the impediments and promote adoption of micro irrigation technology further in sub-regions of Africa (Central and East), Asia (Central and Near East), South America (Central and Southern) and Europe (Central and Eastern).
- For sustainable adoption of micro irrigation technology an integrated/holistic approach should be adopted. It should not only include the approach from “Concept to Commissioning” but also from post-harvest technology – processing, value addition, marketing, export opportunities with a goal of increasing growers/farmers income.
- Guidance to farmers not only through government academic/research institutes but also from manufacturers/industries is essential for rapid spread of the micro irrigation technology. An enhanced participation by private sector players from industry would help achieve a wider acceptance.
- Capacity building and training of farmers and staff should be a continuous activity. More demonstration sites, technical visits, group discussions are required. Complete package of cultivation practices for various crops should be developed and explained to growers/farmers and extension staff to facilitate adoption of micro irrigation. A country wide database on “Crop water requirement” on the basis of agro-climate zones requires attention (if it does not exist).
- Institutional support – an apex and dedicated agency to promote and implement the technology will greatly facilitate its spread. Government’s subsidy support should be user-friendly. The subsidy policy can harm the spread of technology, if not properly implemented.
- Standardization and quality control – laboratories and facilities for testing of various micro irrigation components need to be established in each country. Irrigation equipment standards matching the developing countries” needs to be developed in cooperation with international organizations like ICID and ISO.
- Affordable (low cost) micro irrigation technologies have demonstrated its utility and success in a few countries. While adoption of these systems should be encouraged and reviewed from sustainability point of view. At the same time, cost reduction, measures for conventional micro irrigation systems should be looked into.

- Joint efforts of international organizations like ICID, FAO, IPTRID, IWMI, and financial institutions like Asian Development Bank(ADB), African Development Bank(AfDB), World Bank, etc. are needed in popularizing micro irrigation by promoting best practices, experiences and policies.

The MANCID has brought out the proceedings of the 7th MIC on a CD-ROM, which was distributed to all participants.

13. 3rd Asian Regional Conference in Kuala Lumpur, Malaysia.

3rd Asian Regional Conference was held during 13-15 September 2006 in Kuala Lumpur, Malaysia. The theme for the 3rd ARC is “Transforming Irrigated Agriculture into an Efficient Engine of Growth”. The main objectives of this conference were (i) to assess the current status of agriculture production and the need for transformation of this sector; (ii) to address issues on legislation in relation to agro-based industries; (iii) to disseminate modern technology to enhance food production; (iv) to encourage adaptation of innovative strategies and policies in agriculture management; (v) to promote optimum use of water and land resources; and (vi) to update knowledge of current research and development on crop production.

In the conference it was highlighted that the continent Asia has 70% of the world’s irrigated farmland and 33% of its farmland is irrigated and is experiencing rapid economic growth. However, rural communities are being left to stagnate economically as the gap between agricultural and non-agricultural incomes widens; and farmland is being converted to industrial or public use or abandoned altogether. If stable economic growth is to be achieved, along with promoting industrial development, each region and country will also need to nurture a sustainable, productive agricultural sector - one that utilizes land and water in a manner that takes account of environmental concerns.

About 50 papers were received under the four sub-themes viz., institutional and policy, management, economics, and research and development. Peer reviewed papers were permitted for presentations. The conference was able to address the question of whether, as globalization widens the productivity gap between the agricultural and nonagricultural sectors, modern irrigated agriculture can be turned into an efficient engine of growth, especially for rural areas.

From the conference deliberations, it emerged that the irrigated agriculture could become the main engine of nation’s economic growth with significant benefits accruing to trade, agro-processing, manufacturing and employment generation in urban areas. The agricultural water management consists of wide range of practices from rainfed agriculture to full irrigation besides farm drainage. There is a need to provide guidance to water managers and policy makers in managing

impending impact of global climate change on both irrigated and rainfed agriculture. It was recognized that the water storage, both natural and man-made reservoirs, is a key to assured supply in meeting crop water needs and can ensure environmental security.

The event was attended by over 300 delegates from 46 countries. The MANCID has brought out the proceedings of the 3rd ARC on a CD-ROM, which was distributed to all participants.

14. Water Management Conference in Boise, USA

The U.S. National Committee on Irrigation and Drainage (USCID) organized the Water Management Conference during 25-28 October 2006 at Boise in USA. The theme of the Conference was 'Ground Water and Surface Water under Stress: Competition, Interaction and Solutions'.

The main aim of the conference was to have an insight view on competition for surface water and ground water usage in the western United States and in many other regions. The demand for high-quality water in agriculture, industry and recreation, and for environmental and municipal uses, is increasing, while the supply remains, by and large, fixed. Moreover, the ground and surface water interact in complex ways that requires their management to be considered in an integrated way. Persistent drought conditions in the American West have generated intense consideration of many technical and policy issues regarding surface water and ground water resources. Key issues include modeling the interaction of surface and ground water, conjunctive use programs, allocating and adjudicating water rights, and developing long-term strategies for optimizing the use of limited water resources.

The Conference provided a forum to discuss the many issues relating to surface and ground water supplies.

15. 7th Water Asia 2006 International Exhibition and Conference

WATER ASIA is an exhibition on the water industry dealing in waste water management, drinking water and other water related activities.

The 7th Water Asia – The International Conference and Exhibition on Asian Water Industry was organized during 2-4 November 2006 at New Delhi, India. ICID co-sponsored the event on non-financial basis. The Central Office had set up a stall during the event to showcase ICID publications and activities. The 7th Water Asia 2006 was a confluence of decision makers, professionals, advisers, technical experts, engineering organizations, consultants and users from the water industry. Dr. V.K. Labhsetwar, Director and Mrs. Jancy Vijayan, Joint Director from the Central Office, ICID actively

participated in the various technical sessions and exhibitions arranged in conjunction with the conference.

16. SANCID Symposium in Mpumalanga Province, South Africa

The second biennial symposium of the South African National Committee on Irrigation and Drainage (SANCID) was held from 15-17 November 2006 in Mpumalanga Province, South Africa. The aim of the symposium was to bring together the role-players of the South African irrigation industry for knowledge sharing and productive interactions in a setting located in a prominent agricultural area as well as tourism region in the country.

The theme of the symposium was "The changing face of irrigation in Southern Africa" aimed at capturing recent developments in the irrigation sector. Besides paper and poster presentations, a technical tour of the surrounding irrigation scheme and social functions were organized. The symposium was attended by 106 delegates, not only from the different provinces of South Africa but also from Nigeria, Zimbabwe, Swaziland and Australia. The event was sponsored by flow meter manufacturer 'Flowmetrix SA', irrigation equipment suppliers 'Netafim', 'Agriplas' and 'DPI Plastics', as well as media partner '3S Media'.

A total of 27 papers were presented in seven sessions with the sub-themes: Technology development, modeling, water use efficiency, irrigation economics, water harvesting, water quality and environment, and irrigation scheduling. The keynote address was given by Prof Wim van Averbeke from Tshwane University of Technology wherein he discussed developments in smallholder irrigation schemes of South Africa. Drs. Joe Stevens and Richard Stirzaker, made presentation on field level challenges to irrigation management.

A technical tour was held to show the functioning of Lower Blyde River Water User Association (LBRWUA). The scheme was recently upgraded from an earth canal distribution system to a gravity pipeline system to improve distribution efficiency, and both management staff and farmers had to adapt their practices to the characteristics of the new system.

17. Workshop on Scenario Development for Basin Management in New Delhi, India

A day long workshop on 'Scenario Development for Basin Management' was organized by ICID Central Office on 27 November 2006 at New Delhi, India under the Country Policy Support Programme (CPSP) (with the funding support from the Government of The Netherlands). The programme was aimed at developing viable and effective options for water resources development and management to achieve an acceptable food security level and sustainable rural development. Basin level studies undertaken in India

were helpful to highlight policy options which were presented to Policy Makers and funding institutions like The World Bank (WB), Asian Development Bank (ADB) etc. Er. M. Gopalakrishnan, Secretary General, ICID introduced the CPSP to the gathering.



Mr. Suresh P. Prabhu, Hon'ble Member of India's Parliament (Lok Sabha) and Regional Chair, Global Water Partnership-South Asia (GWP-SAS) was the Guest Speaker. He appreciated the efforts of the Commission in promoting water resources development for sustainable agriculture. Vice President Hon. R. Jeyaseelan, Chairman, Central Water Commission (CWC) and Chairman, INCID spoke on the importance of the programme and indicated that the outcomes of the CPSP could be useful to Government of India (GoI) in honing the National Water Policy (NWP).

Dr. David Grey, Senior Water Adviser, The World Bank in India, made his presentation on 'Managing water for food security and growth : some thoughts' and the perceptions of institutions funding water sector. He emphasized on institutional changes and transboundary issues. Dr. Grey encouraged Public- Private Partnerships (PPP) in water sector and cited some of the best practices from Australia, Egypt and Morocco. Mr. A.D. Mohile, Mr. L.N. Gupta and Dr. B.P. Das, Consultants covered the ICID study material on the basins and policy support discussions.



Ms. Charlotte de Fraiture, Consultant (representing International Water Management Institute - IWMI) introduced the impacts of global trade on food production in her talk on 'Global Water and Food Scenarios Using Watersim'. Watersim modeling is one of the several components of CPSP. In Panel discussions, led by Er. M. Gopalakrishnan, Secretary General; Dr. Salim Romani,

Chairman, Central Ground Water Board (CGWB), New Delhi and Mr. A. D. Mohile, various policies and strategies were brought to fore in light of CPSP findings in irrigation and drainage sector.

18. Workshop on "Training to promote experiential learning and participatory water management on small holder irrigation schemes", South Africa

During the 57th IEC meetings held in Kuala Lumpur, Malaysia further discussions took place to initiate a workshop to which members of Southern African Regional Irrigation Association (SARIA) were invited. The members include representatives of the countries in the Southern African Development Community (SADC) who are presently members of ICID. Twelve out of fourteen countries in SADC accepted the invitation.



The Water Research Commission (WRC) in partnership with the Department of Agriculture (DoA) organized the workshop on "Training to promote experiential learning and participatory water management by farmers on smallholder irrigation schemes" on 6-7 February 2007. The training was based on two WRC projects, namely "Building Capacity in Irrigation Management with Wetting Front Detectors", (WRC Report No TT230/04) and "Revitalisation of Smallholder Rainfed and Irrigated Agriculture – Guide for Farmer Trainers and Facilitators", (WRC Report No TT254/1-3/05). Over the two days, the workshop focused on experiential learning by means of the Wetting Front Detector (WFD) and participatory irrigation management through the Guide for Farmer Trainers (GFT).

The programme manager of the International Programme for Technology and Research in Irrigation and Drainage (IPTRID) Mr Carlos Garcés of the Food and Agriculture Association (FAO) was invited to participate in the workshop. Mr Garcés gave an overview of the activities of IPTRID and presented country experiences with irrigation management transfer. The purpose of the workshop was to start a process to co-operate with IPTRID in providing continued training of farmers to implement the WFD and to present courses based on the GFT in sub-Saharan Africa.

Global Cooperation

World Water Council (WWC)

ICID is one of the Constituent Members of the WWC and has retained the position of Governorship till March 2006. Since Water for Food has a significant share of global water diversion, ICID's role as one of the key contributors in matters concerning Agricultural water management has its crucial impact.

In Mexico in March 2006, ICID offered to partner with World Water Council in all matters concerning "Water for Food" with a new set of Governors in WWC Board sans ICID. Following the exchange of ideas and mutual discussions, a Memorandum of Understanding (MoU) for formalizing this new role as partner was offered. On 22 March 2007, celebrated as a World Water Day, in the sidelines of the 5th World Water Forum Kick-Off meetings in Istanbul, Turkey, March 2007, WWC and ICID entered into formalized agreement of partnership. This agreement (see box) was signed by President Peter Lee and President, WWC Loïc Fauchon and enabled both the Organizations to work together in addressing issues concerned with the management of Water for Agriculture in a focused manner.

Four Associate Centres of WWC were originally contemplated at different parts of the globe with one in Delhi, which is functioning for over 5 years. ICID Secretary General is currently also the President of this New Delhi Centre of WWC (NDC-WWC) and the Centre facilitates regular meetings / brainstorming sessions on matters relating to water within the broad framework of objectives of World Water Council. This Forum serves as an excellent platform for water professionals' meet in the region and enables discussions on a wide range of issues. Prof. dr. Ir. Bart Schultz, President Hon., ICID during his visit to India and ICID Central Office paid a visit to NDC-WWC and delivered a talk on "Role of Water Management for Global Food Production" on 22 September 2006. Others in ICID fold who had delivered talks earlier include but not restricted to President Lee, PH Keizrul bin Abdullah and PH Aly Shady in the recent past.

World Water Forum (WWF)

The World Water Forum is an initiative of the World Water Council aiming to raise awareness on global water issues. The First Forum was held in Morocco (1997), the Second in The Netherlands (2000) and the Third in Japan (2003). The 4th World Water Forum was held in Mexico City in March 2006, under the overarching theme of "Local Actions for a Global Challenge" and focused on analysis of experiences and knowledge sharing. The 5th Forum will take place in March 2009 in Turkey.

The World Water Fora are built on the knowledge and experience of different types of organizations active in the



global water policy. It is a venture founded on the principles of collaboration, partnerships and innovation. The last forum outputs as subsequently released in Stockholm were based on the inputs supplied by several international institutions including ICID. ICID was one of the theme co-beacons, which addressed Water for Food and Environment and the forum absorbed the contents of Beijing Congress of ICID held in 2005.

5th WWF Kick-Off Meeting (19-20 March)

ICID joined a kick-off meeting for the WWF-5 organized by the hosts of WWF-5, Turkey. It provided an opportunity for network with members of WWC and other international water organizations. The main brainstorming sessions and roundtable discussions were on the likely thematic issues and processes for WWF-5. The theme of the next WWF was decided as "Bridging Divides for Water". The discussions concentrated on the thematic priorities like:

Water Security

1. Adapting to climate change
2. Protecting resources, livelihoods and biodiversity
3. Financing water infrastructure and services

Management and Governance

4. Improving management of water services

5. Improving water governance
6. Innovation and water technologies

Water use and Impacts

7. Health, sanitation and water supply
8. Food security, water for food, and eco-systems
9. Water for energy – energy for water
10. River basin management

As in the past, WWF-5 would also absorb the outputs generated by all the member international organizations of repute dealing with different perspectives of Water Agenda. ICID's forthcoming events are thus crucial for providing inputs to WWF-5 on water management for agriculture under the broader scope of integrated water resources management.

Keeping the above aspects in view and in line with past practice, in the 57th IEC of ICID in Kuala Lumpur in September 2006, a decision was taken to constitute a Task Force, which will guide ICID inputs for the 5th World Water Forum.

International Water Management Institute (IWMI)

ICID is having collaborative arrangement with IWMI based on a signed Memorandum of Understanding (MoU) in the year 1993. IWMI is represented on 6 Workbodies/ Technical Committees of ICID, and also in its Permanent Committee on Technical Affairs (PCTA).

IWMI and ICID exchange their publications and database resources emanating from each other in the true spirit of the MoU and this practice continued. As co-beacon, the draft theme paper for WWF-4 prepared by IWMI for the forum as the identified beacons for the theme on "Water Management for Food and Environment" was vetted by ICID. IWMI were participants in the Country Policy Support Program (CPSP) studies that were undertaken by ICID with Donor support from the Government of The Netherlands. IWMI's PODIUM Model was fully utilized and a modified PODIUMSIM to account for basin hydraulics was evolved under CPSP.

IWMI brought through WATERSIM, an IFPRI model that takes on board components relevant to impact of world trade on agricultural production- as an additional policy implication for the CPSP studies in 2006. In a CPSP Workshop that was organized by the Central Office in November 2006, IWMI presented their later part of WATERSIM works on India before the participants which included those from funding organizations like World Bank and the Asian Development Bank, besides Government of India.

Secretary General Gopalakrishnan is a member of IWMI's Advisory Committee on "The Strategic Analysis of Interlinking of Indian Rivers", chaired by Prof. M.S. Swaminathan. Secretary General participated in a meeting held in May 2006 and also contributed to IWMI's

Comprehensive Assessment of Water Management in Agriculture especially on chapters having a linkage with ICID's work.

International Commission on Large Dams (ICOLD)

The 22nd Congress and 74th Annual Meeting of International Commission on Large Dams (ICOLD) were held during 15-23 June 2006 at Barcelona in Spain. President Lee delivered a speech in the ICOLD Annual Executive Meeting highlighting the mission of ICID and compared the areas of similarity in the functioning of the two organizations. Areas of cooperation between the two organizations formed the agenda for mutual discussions between the Presidents of the two Organizations. While it is interesting to see the similarities between ICOLD and ICID, and also the differences, President Lee pointed out in his speech that ICOLD Committees seem to be more technically focused while ICID's workbodies tend to be wide-ranging. In part, this could be due to the expanse of ICID's subject area, he pointed out in his speech.

Task Force on Hydropower – Africa / Adhoc Committee on Small Dams

On invitation from ICOLD, ICID consented to cooperate with them on several areas of mutual interest. Two distinct areas which stood identified are Small Dams and Hydropower Task Force for Africa. Secretary General will represent ICID in the Task Force on Hydro in Africa. Involving other water related organizations, a common position paper providing thrust to hydro development in Africa bringing out its relevance to such aspects like irrigated agriculture, flood control etc., is aimed at.

ICOLD and ICID mutually exchange information on Inter Basin Water Transfer. While ICOLD has a Committee on Dams and Water Transfer, ICID has a Task Force on Inter Basin Water Transfer. ICOLD Committee would focus on the role of dams in facilitating water transfer, while ICID Task Force would address the issues related to water transfer for enhancing the irrigated agriculture and land reclamation, flood control and drainage.

International Fund for Agricultural Development (IFAD)

The International Fund for Agricultural Development (IFAD), a specialized agency of the United Nations, was established as an international financial institution in 1977. On an invitation to ICID from IFAD to attend their Governing Council, Vice President Hon. Alain Vidal was nominated to represent ICID. This Session of IFAD's Governing Council (30th GC) was held at Rome, Italy on 14-15 February 2007. ICID's status as a Permanent Observer in their Governing Council meetings was accepted. Earlier, our International Executive Council in its meeting in Kuala Lumpur in September 2006 blessed the proposal of reviving our

cooperation with IFAD, which despite an earlier association in 80's was dormant for the last two decades.

IFAD Governing Council (GC) proposed 3 roundtables during the next year viz: (i) Rural employment and value chain approach, (ii) Generating remunerative livelihood opportunities for rural youth, and (iii) Migration and rural employment. Vice President Hon. Alain Vidal joined the roundtable on rural employment and value chain approach.

Vice President Hon. Alain Vidal also explored possible cooperation modalities between IFAD and ICID at global, country and project levels. As a result, the following emerged: **At global level:** ICID now being an Observer at IFAD GC, and vice-versa, interactions can be developed with IFAD Technical Advisory Division on the one hand (ICID contributing on irrigation related issues) and on the other hand IFAD can contribute to ICID Workbodies (the work being developed on irrigation, poverty alleviation and livelihoods) in order to learn from each others experience on rural poverty alleviation. It was agreed that: (i) a representative of ICID will be invited to the informal group of international experts acting as a sounding board for the reflection of IFAD strategy on water and rural livelihoods, and (ii) a representative of IFAD has already been invited to join the ICID Working Group on Irrigation and Poverty Alleviation. **At country level:** It emerged that interactions that could be developed would rely on ICID National Committees (NCs) to either support the development of water policies (with a CPSP-type approach and advocacy role) or mobilize national expertise. This will have to be on a case by case basis, facilitating further contacts and information exchange between Country Portfolio Managers (CPMs) and NCs. There was a general agreement to share the list of active and inactive ICID NCs and of IFAD CPMs. **At project level:** Discussion about IFAD projects dealing with water in Kenya highlighted the opportunity for support and advocacy from KENCID to the approaches. IFAD tries to implement and disseminate to alleviate rural poverty through the improvement of water resources, its uses and management.

World Meteorological Organization (WMO)

On an invitation from Dr. M. Jarraud, Secretary General, World Meteorological Organization to ICID to attend their 14th Session of the Commission for Agricultural Meteorology (CAgM-XIV) at New Delhi, on 28 October to 3 November 2006, Secretary General Gopalakrishnan participated in their meetings. Secretary General also joined their International Workshop on "Agrometeorological Risk Management: Challenges and Opportunities" preceding the CAgM-XIV meetings. There were quite a few common grounds in the action plans of ICID and WMO. WMO's efforts in subjects like "risks due to extreme climatic events like drought, floods, cyclones etc", are to specifically cover the risk due to Global Climate Change to rainfed agriculture and relevant coping strategies. One of the Open Area Programme Groups

(OPAGs) in CAgMet (WMO) has special 'Expert Teams' (akin to ICID Work Group) to address the three vital areas: "Impact of Climate Change / Variability to Long-Range Predictions for Agriculture"; "Reduction of the Impact of Natural Disasters and Mitigation of Extreme Events in Agriculture, Forestry and Fisheries" and "Contribution of Agriculture to the State of Climate".

Food and Agriculture Organization of the United Nations (FAO)

ICID is represented at various meetings and sessions of FAO from time to time. Prof. Maria Elisa Venezian Scarascia (Italy), Secretary General ITAL-ICID is ICID's permanent representative in FAO. For meetings of FAO in Rome for which ICID receives invitations, she has been gracious to join on our behalf when intimated. For meetings of FAO held away from Rome, the National Committees are requested by Secretary General to send their representative to represent ICID.

The FAO-UN in association with Karnataka Neeravari Nigam Limited (KNNL) in the southern peninsular State of India held a field programme of assessment of 104 km Ghataprabha Left Bank Canal under Hidkal Dam on the River Krishna. On the invitation of KNNL, Secretary General Gopalakrishnan joined the concluding session at the Project site when the summary of the two weeks' intensive field exercise was discussed. The perceptions of those who were trained indicated that there exists an excellent opportunity to face the challenge of efficiency improvement of systems using the approach of Rapid Appraisal Procedure (RAP) and Mapping System & Services for Canal Operation Techniques (MASSCOTE). FAO has chosen the KNNL scheme in the Krishna River Basin as one of the pilot projects to introduce the concept of RAP / MASSCOTE.

FAO also enjoys Permanent Observer status in 15 ICID Workbodies / Technical Committees.

International Water-related Associations' Liaison Committee (IWALC)

ICID holds the Secretariat of IWALC and the Secretary General ICID is IWALC's Secretary since its inception in November 1994.

An IWALC meeting took place on the sidelines of the 4th World Water Forum at Mexico in March 2006. There was an impetus in the activities of IWALC and the initiative of ICID in this regard was substantial. Another meeting of IWALC was held in August 2006 on the sidelines of the Stockholm Water Week. Mr. Peter Lee, ICID reiterated that IWALC should look at things that could be done in common by all the participant organizations. Science and better technology to achieve MDG could be one such thing. Other issues peculiar to those of the participant organizations are best left to be dealt with by them, individually. Dr. Paul Reiter IWA felt that by participation in the Programme Committee of

WWC in which he is involved already, influencing WWC on IWALC's decision would definitely be possible. Issues of dams and storages are coming to the fore especially in view of the climate change and its impact on hydrologic cycle (an aspect that was also touched upon by Dr. A. Szollosi-Nagy of UNESCO-IHP). Dams and large storages, including inter-basin water transfer, if required have to be looked into. It was felt that IWALC Group could influence the overall programme for the Forum. As a Group, IWALC can pick up a subject and work on it in a professional manner. Subsequently, all the IWALC participant organizations could use their own events to mould their perceptions and ideas. Moving a motion in the WWC with an idea of contributing to the Programme Committee on such aspects like "Anticipating Climate Change", "Impact of Climate Change" by some IWALC participant can help. The future of IWRM, dams, irrigation etc., could be brought in a policy paper jointly prepared with the support of all the organizations just prior to the Forum by Dr. Andras Szöllösi-Nagy (UNESCO-IHE) supported the idea.

Dr. Christopher George (IAHR) continues as IWALC Chair. The Executive Director of IWRA (Dr. Chandra Madramootoo) was nominated as Vice Chair, which was accepted. Secretariat will continue to remain with ICID with ICID Secretary General as IWALC Secretary.

In a subsequent meeting of IWALC held in Antalya, Turkey on 22 March 2007, the following decisions were taken :

(a) A brief summary of IWALC organizations on the current activities 'portfolios – solutions – actions' in the field of "climate change", to be prepared and sent to Dr. Paul Reiter, IWA for his use in planning the activities at the WWF-5 on climate change and

(b) Information on recent advances/innovations in science and technology to be given to UNESCO-IHE for helping to plan the form and contents of the Third World Water Development Report. Dr. Arthur Askew (IAHR) would use them in developing plans for technology and innovation elements within the WWF 5.

Global Water Partnership (GWP)

GWP and ICID had signed an MoU in 1997 soon after its initiation for cooperation. Strengthening the spirit behind the MoU, ICID responded to the invitation of GWP for participation in its 10th Anniversary Celebrations in Stockholm and the 11th GWP Consulting Partners Meeting. President Lee, several office bearers and Secretary General Gopalakrishnan joined these events in August 2006 paving way for a better and deeper understanding. The Consulting Partners (CP) Meeting brought together GWP Partner representatives; the CP normally takes place once a year to review progress and to discuss strategic issues related to the work program of the network. The 2006 Consulting Partners meeting was very special for GWP because of their special

and specific efforts to bring the representatives from all their existing (and forming) Country Water Partnerships. This meeting focused on the theme "Boldness of small steps" as chosen by GWP and took stock of their achievements in the last ten years. The closing session and the GWP 10th Anniversary Celebrations on 20 August were held under the patronage of His Royal Highness, The Prince of Orange from The Netherlands.

Secretary General Gopalakrishnan participated in a Joint Orientation Workshop of GWP – South Asia Region held in New Delhi on 5-7 December 2006. Secretary General extended an invitation to GWP SASTEC Chair to visit ICID Central Office. Secretary General Gopalakrishnan had a few meetings during the year with him to explore areas of cooperation to further integrate water resources management in the region.

Third World Centre for Water Management (TWCWM) / International Water Resources Association (IWRA)

ICID cooperation with other international water-related organizations also relates to TWCWM and IWRA who organized a special event in Cairo during the year. At the invitation of Hon'ble Minister of Water Resources and Irrigation (Egypt) and President, Arab Water Council (AWC), VPH Dr. Mahmoud Abu-Zeid; Secretary General, ICID joined the International Workshop on 'Reservoir Inundation Related Issues' held in Cairo from 12-14 February 2007 and made presentations on the topic highlighting Indian case studies. IWRA, IHA, ICID and Government of Egypt were co-sponsors of the event. (ICID without any financial commitment cosponsored this event). The conference had papers and presentations from several lead experts. President Hon. Aly Shady, Vice President Hussein Ehsan El-Atfy and Secretary General Hon. C.D. Thatte were some of the members of ICID fraternity who contributed in the workshop.

Arab Water Council (AWC)

The Arab Water Council (AWC) was launched formally in December 2006. The Council held its first General Assembly meeting, electing its officers and members of the Governing Board and approved its Constitution and Bylaws.

The head office of the Council is in Cairo, Egypt with two Branch Offices in Rabat (Morocco) and Dubai (UAE). This regional water organization is serving the interest of the 22 Arab countries representing the government, public and private sectors, NGO and members of civil society in addition to a wide array of stakeholders. Several ICID Office-Bearers played some major roles in the establishment and management of the Arab Water Council: Vice President (Hon) H.E. Dr. Mahmoud Abu-Zeid is elected as the President and Chairman of the Governing Board, Vice President Dr. Hussein El-Atfy, Vice President Hon. Dr. Safwat Abdel Dayem, President Hon. Aly Shady are elected as members of the Governing Board.

INWEPF Steering Meeting and International Workshop on Paddy Rice in Kuala Lumpur, Malaysia

ICID facilitated the 3rd Steering meeting of International Network on Water and Ecosystems in Paddy Fields (INWEPF) and International Workshop on Paddy Rice at Kuala Lumpur, Malaysia on 17-19 September 2006. A Workshop on “Now, Tomorrow and The Future of Rice Paddy” was also held.

INWEPF Malaysia hosted these events. A total of 42 participants from member countries attended. In the workshop, action plans for INWEPF was discussed and output was made up as “Kuala Lumpur Workshop Statement”. In Steering Meeting, Report on INWEPF activities 2005-2006 as well as contribution to the 4th World Water Forum was presented. One of the remarkable outputs of the Steering Meeting was the proposal of showing three working groups on “Multiple Roles of Paddy Fields”, “Vision, Policy and Information Dissemination on INWEPF activities and programs” and “Monetary Assessment and Value Adding in the Multifunctional Roles of Paddy Fields”.

UN Water

On the invitation of UN Water, President Peter Lee was one of the Panelists in the Session on ‘Coping with Scarcity’ and made a presentation during the Session held on 23 August 2006. ICID retained the privilege of being the only

organizations of its kind to have been invited for consultations in Stockholm and earlier e-conferences during the year on topics of mutual concern.

International Standards Organization (ISO)

The Central Office has been disseminating various information including the standards amongst members of the Working Group on On-Farm Irrigation Systems (WG-ON-FARM) as well as National Committees as and when received from the Secretariat of ISO/TC23/SC18.

A joint ISO-ICID hand book on “Irrigation Equipment Standards” is in preparation by Mr. Bruno Molle, Permanent Observer, ISO. At Kuala Lumpur meeting, Mr. Molle briefed the procedure of development of ISO standards. He made presentation on “Cross testing of drippers” and apprised the work carried out by ‘International Network of Testing Laboratories’, which has led to a number of amendments to standards. There is an international network of 19 laboratories for testing of irrigation equipment performance in 18 countries. The 25th meeting of SC18 was held at Eilat, Israel from 20 to 27 October 2006 in which professionals from Israel National Committee on Irrigation and Drainage (ISCID) actively participated. ISO enjoys permanent observer status in ICID PCTA.

World Water Day Celebrations

The United Nations General Assembly adopted a resolution on 22nd December 1992 by which 22 March of every year was declared as World Day for Water, to be observed from the year 1993 onwards. The United Nations General Assembly calls upon States to devote this day to concrete activities related to the conservation and development of water resources in their national context. In the past years, the following themes were the highlights of each year:

- 1994 Caring for Water Resources is Everybody's Business
- 1995 Women and Water
- 1996 Water for Thirsty Cities
- 1997 World's Water – Is There Enough?
- 1998 Ground Water – The Invisible Resource
- 1999 Everyone Lives Downstream
- 2000 Water for the Twenty-First Century
- 2001 Water and Health
- 2002 Water for Development
- 2003 Water for Future
- 2004 Water and Disasters
- 2005 Water for Life
- 2006 Water and Culture

By declaring the years 2005 to 2015 as the International Decade of Water for Life, the UN seeks to set the world's goals on a greater focus on water related issues, while striving to ensure the participation of women in water-related development efforts, further cooperation at all levels to achieve water-related goals of the Millennium Declaration, Johannesburg Plan of Implementation of the World Summit for Sustainable Development and Agenda 21.

As ICID is one of the water-related international organizations, which supported in December 1992 the proposal for observance of the WWD under the auspicious of the United Nations, various National Committees of ICID celebrated the WWD in 2006. The theme, “Water and Culture” figured as the core subject of deliberations.

ETCID

The Ministry of Water Resources, Addis Ababa together with Ethiopian National Committee on Irrigation and Drainage (ETCID) celebrated the World Water Day on 22 March 2006. State Minister of Water Resources, Hon'ble Adugna Jebbesa said, “wide-ranging construction activities and studies have been carried out to exploit water resources of the country for socio-economic growth”. According to

the State Minister, 60 per cent of the total population of Ethiopia has no access to potable water. He said that the nation was irrigating only less than 7 per cent of the total 3.7 million hectares and utilizing less than 2 per cent of its 3,000 MW hydro power potential.

While celebrating the day, the Organizing Committee mentioned that the public should be committed to efficient and proper utilization of water resources so that Ethiopia would successfully attain the Millennium Development Goals (MDGs). Development partners should participate in the sector since water development activities should not be left for the government only. Other representatives reiterated the need to ensure wise and optimum utilization of water resources.



INCID

World Water Day / Water Resources Day-2006 was celebrated on 22 March 2006 at Central Soil and Materials Research Station (CSMRS) Auditorium, New Delhi by the Ministry of Water Resources (MoWR) associating Central Water Commission (CWC) and other organizations including INCID. Mr. Saifuddin Soz, Hon'ble Minister for Water Resources, Government of India was the chief guest. Mr. Pritam Singh, Vice President Hon. ICID and former Chairman of CWC was the Guest of Honor. Mr. J. Harinarayan, Secretary, Water Resources, Govt. of India; and other senior Government functionaries participated.

Inaugurating the function, the Hon'ble Minister for Water Resources highlighted the need for judicious use of water in our culture. He touched upon the main concerns in water sector due to reducing per capita availability of water and its deteriorating quality. He strongly supported the participation of all stakeholders, in tackling the issues and mentioned that the Union Government has been advocating the importance of participatory approach in water resources development and management and supporting enabling measures. Hon'ble Minister for Water Resources presented Jain-INCID Krishi Sinchai Vikas Puraskar – 2006 to Dr. P.S. Minhas, Project Coordinator, Central Soil Salinity Research Institute, Karnal in recognition of his contribution on

irrigation with poor quality waters, water quality guidelines and optimally utilizing the saline water etc. Hon'ble Minister also released three publications of INCID.

SLNICID

The Sri Lanka National Committee of ICID (SLNICID) organized a one- day seminar on 22 March 2006 on the theme "Water and Culture" at the Irrigation Department Secretariat. The seminar was jointly organized by the SLNICID and the Irrigation Department and was Chaired by Mr. Abeyawickrama, Secretary to the Ministry of Agriculture, Irrigation and Mahaweli Development. Eng. A.D.S. Gunawardhana, Secretary to the Ministry of Irrigation was the guest of Honor. Eng. B.M.S. Samarasekara, Director General of Irrigation delivered the welcome address. Presentations were made on themes namely "Hydropower for Economic Development", "Status of Reservoir Water Quality with Emphasis to Agriculture", "Do we need a water policy for Sri Lanka", "Ground Water and Culture", "Restoration of Natural Forest and Conservation of Water around Construction Sites", by senior officers of the Irrigation Department, Water Resources Board, National Water Supply and Drainage Board and Mahaweli Authority. About 150 people attended the event.

PANCID – World Water Day

PANCID celebrated the World Water Day 2006 in collaboration with the Institution of Engineers, on the theme "Environ Monitor". A Seminar on the above theme was organized in Avari Hotel at Lahore on 22 March 2006. The seminar was attended by eminent experts from Government College University, Faisalabad and University of Engineering and Technology, Lahore. It was brought out in the Seminar that water consumption in various communities was directly proportional to the degree of sophistication, economic and technological growth achieved by the community. The rising water losses in distribution of surface and ground water were brought to fore. The losses were attributed to



the poor maintenance of water related infrastructure. The efforts made by the government to conserve water, reduce water pollution and provide fresh clean water in the rural as well as urban areas were lauded by the participants.

57th ICID Day Celebrations

The International Commission on Irrigation and Drainage (ICID) was established on 24 June 1950. ICID celebrates its ICID Day for commemorating the day each year on 24 June or nearer as convenient to each National Committee. This year, the ICID day was celebrated by the following National Committees and CO.

JNC-ICID

In commemoration of the ICID's 57th foundation day, a special lecture on 'Agricultural and Rural Development in Africa' (An Activity of Japan International Cooperation Agency, JICA) by Mr. Makoto KITANAKA was organized on 27 June 2006 at Tokyo. Mr. Kitanaka, Group Director of Rural Development Department, JICA outlined the general agricultural/rural conditions in Africa and showed a basic plan/ direction of JICA on the development aid for Africa. The focus was then shifted to the spread of NERICA (New RICE for Africa) supported by JICA. The lecture was held preceding the general assembly meeting of Japan ICID Association, presided over by Dr. S. Taniyama. The special lecture was attended by senior irrigation and drainage experts and professionals including Prof. R. Nakamura, Chairman of JNC-ICID and Mr. Sumita, Secretary General of JNC-ICID.

PANCID

The Pakistan National Committee on Irrigation and Drainage (PANCID) organized a special seminar to celebrate the 57th foundation day of ICID. The seminar on "Factors Affecting Canal Lining Life" was held at International Water logging and Salinity Research Institute (IWASRI), an active member of PANCID. A number of renowned researchers participated and it emerged after discussions that the factors affecting the life of canal lining could be grouped under broad categories such as design, construction materials and technique, maintenance and other geo-physical conditions like change in flow velocity, weed growth, soil water pressure and animal/cattle activities. The seminar is generated fresh guidelines

for planners, designers, managers, responsible for O&M of the irrigation system and beneficiaries.

ICID Central Office - New Delhi

The Central Office of ICID celebrated the 57th ICID Day combining it with the 44th Brainstorming Session of the New Delhi Centre of World Water Council (NDC-WWC).

Mr. A. Sekhar, Adviser (Water Resources), Planning Commission of India was the Guest Speaker. Mr. R. Jeyaseelan, Vice President, ICID, Chairman, Indian National Committee of ICID (INCID) and Chairman, Central Water Commission (CWC), and senior experts from Ministries of Water Resources and Agriculture, INCID, and NDC-WWC graced the occasion.

Mr. A. Sekhar delivered his talk on "The Syndrome of Groundwater Abstraction and Irrigated Agriculture". Mr. R. Jeyaseelan while highlighting the role of INCID in ICID mentioned that INCID was represented on more than 20 of ICID Workbodies but members were unable to participate in ICID meetings due to lack of financial support. He suggested that it would be useful to translate ICID publications into local languages for use in the field. A power point presentation by Er. M. Gopalakrishnan during the session focused on the issues related with water in due consideration to the future environment.



Central Office ICID

ICID was established in 1950 as a Scientific, Technical, Professional, and Voluntary Not-for-Profit Non-Governmental International Organization (NGO) with headquarters at New Delhi, India. ICID dedicates itself to improving water and land management for enhancing world-wide food and fibre for all the people of the world through sustainable agricultural techniques and management practices. For coordinating various tasks, ICID has a permanent secretariat called "Central Office" which is located in the Commission's headquarters building in New Delhi, India. The Central Office staff works under the overall supervision of Secretary General, ICID.

ICID Central Office Staff Strength (as on 31 March 2007)

The Central Office has a total sanctioned staff strength of 28 of which 22 staff members were in position at the end of March 2007. The key professional support was rendered by four officers viz:

1. Mr. K.N. Sharma, Secretary
2. Dr. S.A. Kulkarni, Director (I)
3. Dr. V.K. Labhsetwar, Director (II)
4. Mrs. Jancy Vijayan, Joint Director

While the key professionals handle the main responsibilities and liaise with all the Working Groups/Task Forces and other Permanent Committees, supporting Central Office activities including administration, finances, web services, library and Text Delivery Service (TDS) are handled at the middle and junior levels (14 in number). Four junior level functionaries belonged to service staff category. Six (about 20% of the sanctioned staff) positions remained vacant for effectively controlling expenditure during the period 2006-07. The resulting work was distributed amongst the rest. The work distribution amongst the Central Office professionals is given on page 80.

During the 57th IEC events held at Kuala Lumpur, Malaysia, Dr. Georgi G Guluyk, Vice President, ICID and Chairman, Russian National Committee (RUCID) honored the ICID Central Office with a Special Plaque in recognition of its continued excellent and dedicated services over the years. The award was received by Secretary General Er. M. Gopalakrishnan on behalf of ICID Central Office.

ICID Technical Library

The Central Office library houses nearly 30750 technical books and receives 65 periodicals. It is widely consulted by many experts and others with interest in water related issues.

S. No.	Year	Yearly Accession	Total Stock
1.	2001-02	274	29401
2.	2002-03	263	29664
3.	2003-04	261	29925
4.	2004-05	271	30196
5.	2005-06	276	30472
6.	2006-07	279	30751

(i) Additions to Library Books:

With the acquisition of 279 new books, the Library has acquired 30751 technical reference documents as on 31 March 2007

(ii) Cooperation between ICID and IWMI and other Libraries: ICID and IWMI libraries continue to exchange the list of new additions of their library databases in accordance with the Memorandum of Understanding between the two organizations. The journal could not be exchanged gratis mutually with some Libraries as was the case in past, due to new regulations despite their requests.

(iii) Linkages with National and International Networks: ICID library is using the E-mail facility for linkages with national and international institutions for exchanging databases. In addition to the existing arrangement with the IWMI library, the ICID Central Library has established contacts with other Inter National Organizations and exchanges Journals /Periodicals / News Letters for enriching knowledge and accomplishing ICID mission oriented activities.

(iv) Other facilities available: In addition to these facilities, the Library has about 737 colour slides on various issues of interest and concern to ICID. Newspaper clippings covering important developments in the irrigation and related sectors both within the country as well as internationally are also added. A video library containing collection of about 51 cassettes on various aspects of development, operation and maintenance of irrigation works is an added attraction.

ICID Website

ICID is maintaining its own website that can be accessed at: <http://www.icid.org> The Website furnishes information regarding ICID's objectives and aims, organizational setup, membership, international cooperation, information exchange, new initiatives, publications and price lists, forthcoming events etc. The most recent issues of the monthly News Update, quarterly Newsletters, Annual Report and Text Delivery Services (TDS) can be accessed on the website, which is updated on a regular basis.

The Central Office has hired additional space on a server

and registered a domain name www.icid.online.org through which the workbodies can directly access respective web pages. A File Transfer Protocol (FTP) is made available to the Chair of their workbodies; they have a free hand to upload and amend any information related to their work bodies. By using the facility, 23 work bodies as given below have established individual web pages through ICID website.

The web page provides the list of members, agenda of the present and past meetings, list of past publications and

publications in pipeline, announcements of workshops, seminars and other mandate oriented activities etc.

A new hyperlink, namely, Advertisers Catalogue has also been established on the ICID website for initiating the processes for building up an advertisement area in respect of manufacturers, consultants, contractors, educational/research institutions, conferences/exhibitions in the various allied sectors related to irrigation, drainage, water, power etc.

S. No.	Name of Workbody	Hyperlink Details
1.	ERWG	http://www.erwg.icidonline.org/
2.	WT-HIST	http://www.wg-hist.icidonline.org/
3.	WG-SDTA	http://www.wg-sdta.icidonline.org/
4.	AFRWG	http://www.afrwg.icidonline.org/
5.	WG-YPF	http://www.wg-yfp.icidonline.org/
6.	WG-IADWS	http://www.wg-iadws.icidonline.org/
7.	AC-IPTRID	http://www.fao.org/landandwater/iptrid/index.html
8.	WG-R&D	http://www.wg-rd.icidonline.org/
9.	WG-DMIS	http://www.wg-dmis.icidonline.org/
10.	WG-CROP	http://www.wg-crop.icidonline.org/
11.	WG-CBTE	http://www.wg-cbte.icidonline.org/
12.	WG-PQW	http://www.wg-pqw.icidonline.org/
13.	EB-JOUR	http://www.icid.org/wiley_journal.html
14.	WG-ON-FARM	http://www.wg-on-farm.icidonline.org/
15.	WG-CD	http://www.wg-cd.icidonline.org/
16.	WG-ILWRM	http://www.wg-ilwrw.icidonline.org/
17.	WG-WATS	http://www.icid.org/index_e.html
18.	WG-SOCIO	http://www.wg-socio.icidonline.org/
19.	WG-CAFM	http://www.wg-cafm.icidonline.org/
20.	WG-CLIMATE	http://www.wg-climate.icidonline.org/
21.	WG-DRG	http://www.wg-drg.icidonline.org/
22.	ASRWG	http://www.asrww.icidonline.org/
23.	C-CONGR	http://www.c-congr.icidonline.org/

ICID Text Delivery Service

The 'Text Delivery Service' (TDS) was launched by the ICID in August 2001, through its website. The Service provides grey literature in electronic format. The main objective of the TDS is to facilitate exchange of information on irrigation, drainage and flood related literature amongst all professionals at large, including ICID members. The ICID Library Catalogue is also available in electronic format for online searching through keywords such as name of author, title, etc. under 'Book' section. The available grey literature is also listed under 'Article Section' with the above mentioned search keys. Complete documents wherever available can be viewed/downloaded through "resources available link" provided at the end of the search record details.

S. No.	Year	Article Section	Book Section
1.	2001-02	2241	29401
2.	2002-03	892	263
3.	2003-04	901	261
4.	2004-05	831	271
5.	2005-06	792	276
6.	2006-07	839	279
Total		6496	30751

Over the years, the Journal of the ICID on “Irrigation and Drainage” has developed as a prestigious peer reviewed publication and enables the Commission to accomplish its objectives of publishing original papers on scientific, engineering and socio-economic issues associated with irrigation, drainage and flood control by emphasizing the need of conserving and managing water resources for a sustainable development of Agriculture.



From 1 April 2006 to 31 March 2007, five issues of the Journal were published on time. In addition to these five regular issues, a Special Issue on Integrated Flood Management (Supplement No.1) covering 16 papers has also been published. This Special Issue focuses on flood management. The idea was to collect relevant and illustrative information on flood-related issues for all readers and present it through this Special Issue. The papers, as exposed during recently organized seminars and conferences in various parts of the world, wherein ICID representatives were active, either with presentations or in discussions are considered. After giving particular attention to institutional and managerial aspects on new integrated policies for dealing today’s challenges in flood management sectors, papers have been selected, reviewed and edited. The special issue thus contains a compilation showing “lessons learned”, colonial balanced approach in flood management techniques.

Since June 2006, a Manuscript Central System (web based submission) is made operational in Wiley website. This system enables uploading of new papers/manuscripts on the website and facilitates review process. For Web based submission, interested contributors are required to log in (<http://mc.manuscriptcentral.com/ird>) and use his/her specific account and password (utilizing the User ID attached to them). Tips for uploading files and Images on ‘Manuscript Central’ are accessible from Wiley website.

Special individual ICID member subscription for 2007 is US\$ 32 for online access; and US\$ 37 for online access with print. The number of issues will remain 5 of about 128 pages each. ICID purchases 1000 copies of the ICID Journal from the Publisher for distribution among the National Committees, Workbody members and Office-Bearers.

Based on the option received for printed versions, copies are being mailed to the National Committee Secretariats (or Member concerned) directly for further distribution within their fold. For online access each National Committee /Member receives a password from Wiley.

National Committees have been requested to nominate four young professionals for a free online subscription. Several National Committees order additional copies of the Journal on special individual ICID member subscription prices or discount prices. These copies can be either availed online (only), or on-line plus print, as per the choice of the NCs/ Members.

In each issue of the Journal, Central Office uses two pages for projecting information on ICID.

Details of Distribution of Journal within ICID Family

S. No.	Details of Recipient	No. of copy(s)	Remarks
1.	National Committee	10 free copies	either online or online + print
2.	All Office Bearers	free access	Online
3.	All Workbody Members	free access	Online
4.	Editorial Board Members	1 free copy each	either online or online + print
5.	Young Professional (each NC)	2 free copies (until 2006) 4 free copies (during 2007)	Online Online

Country Policy Support Programme of ICID

The first phase of the 'Country Policy Support Programme' (CPSP) launched by ICID in 2002 was successfully concluded in December 2006. Some spilled over activities were completed during the year 2006. The Central Office submitted the final 'Narrative and Financial Report' along with the hard copies of all the final reports and a CD of 'BHIWA' model to the donor agency viz., the Government of the Netherlands. The report has been accepted and approved by the donor agency.

One of the elements that spilled over to be accomplished during the year was related to the final consultation with the policy makers and institutions funding "Water Sector". Of the various components that influence food production in the present day globalization trends, trade and related policies come to the fore. This changing environment in turn influences the water management in agriculture; a new dimension is added beyond the normally considered land and water resources, livelihood and policies relating to self sufficiency. In CPSP, one of the envisaged components relates to this topic and the IWMI's input through WATERSIM model addresses this aspect.

A Workshop on 'Scenario Development for Basin Management' was held on 27 November 2006 at New Delhi. With the participation of representatives of the funding organizations (World Bank, ADB), Ministry of Water Resources, Govt. of India, other policy makers/planners influencing water policies both in respect of surface and groundwater in agriculture, and other water users in respect of drinking water, the workshop yielded fruitful results.



ICID has brought several publications during the course of the CPSP study. Inter-alia, 14 draft reports and a series of 14 printed reports, two softwares with 'user-friendly materials' were produced as the final deliverables on CPSP. Out of the 14 reports 5 reports projected below are published during the reporting period:

- Water Supply, Water Demand and Agricultural Water Scarcity in China: A Basin Approach, ICID, New Delhi, CPSP Report No. 11, ICID Publication No. 89, pp 26.



- WATERSIM, ICID, New Delhi, CPSP Report No. 12, ICID Publication No. 90, pp 24.

- Strategies for Irrigation and Drainage Sector in India, ICID, New Delhi, CPSP Report No. 13, April 2006, ICID Publication No. 91, pp 75.

- Option and Strategies for Future Development of Water Sector in India, CPSP Report No. 14, ICID Publication No. 92, pp 80.

- Workshop on Scenario Development for Basin Management, 27 November 2006, New Delhi, India: A Brief Report on Country Policy Support Programme (CPSP), 2006, CPSP Publication No. 93, pp 32.

All the reports and softwares are posted on a specially created CPSP webpage of ICID www.icid.org/cpsp.html. The outcome of the study was also disseminated through the 'GRID' published by International Program for Technology and Research in Irrigation and Drainage (IPTRID). ICID Central Office has started receiving queries from professionals/researchers from some countries about the CPSP work and the model used. Professionals from Netherlands, Japan have shown keen interest in the 'BHIWA' model.

ICID acknowledges the Government of The Netherlands for providing necessary financial support in carrying out the CPSP Phase-I. Through this programme, ICID got an opportunity to deliberate on the challenging and complex task of exploring strategic direction for addressing water policy issues considering needs of all sectors in an integrated manner, keeping food security and rural development as the main focus.

Visits to Central Office, ICID

President Lee on 6 July 2006, 11 November 2006 and 5 January 2007

Mr. Peter S. Lee, President, ICID visited Central Office on 6 July 2006 for a daylong meeting with Secretary General, ICID and other professionals. Among many other things the following issues were discussed : preparations for 57th International Executive Council at Kuala Lumpur (Malaysia), 20th ICID Congress at Lahore, Pakistan (2008), status of External/Internal Review of ICID, Global Water Partnership (GWP), UN-Waters and International Programme for Technology and Research in Irrigation and Drainage (IPTRID) etc. He provided a brief on the 22nd Congress of ICOLD at Barcelona, Spain and 'XVI National Congress on Irrigation and Drainage' (CONIRD) at Goiânia in Brazil.

President Lee during the visit mentioned that he had discussions with Ing. Helvecio Mattana Saturnino, President, ABID for fresh efforts to make Latin American countries join ICID fraternity. He was full of appreciation for the advances made by Brazil in the areas of irrigated pasture, deficit irrigation, zero tillage. Mr. Lee encouraged ABID members to join ICID workbodies.

Mr. Peter S. Lee, visited 2nd time the ICID Central Office on 11 November 2006. Various issues discussed were: The issues emerging from minutes of International Executive Council (IEC) meeting at Kuala Lumpur, list of General Reporters and Panel Experts for Lahore (2008) Congress, International Commission on Large Dams (ICOLD) – Task Force on Africa and reviving membership of inactive National Committees, among others. President also shared digital photos from his technical tours in Malaysia and Australia.

Mr. Peter S. Lee, President, ICID visited the Central Office 3rd time on 5 January 2007 and held meetings with Secretary General M. Gopalakrishnan and other professionals. President Lee informed ICID family that he would be relinquishing from Mott MacDonald effective from 14 January 2007. The Central Office staff felicitated the President and had a farewell get together.

Prof. Asit K. Biswas on 25 July 2006

Prof. Asit K. Biswas, President of the Mexico City-based, "Third World Centre" visited the Central Office on 25 July 2006. Mr. M. Gopalakrishnan, Secretary General, ICID welcomed and felicitated him on behalf of ICID for being chosen as this year's Stockholm Water Laureate. Prof. Biswas has a long association with ICID and has contributed to various ICID workbodies.

During the celebrations he touched upon the initiatives in pipeline undertaken in consultation with Govt. of India. A program was being planned in Indian Institute of Technology

(IIT) at Kharagpur (India) for future water managers, he informed. Various other water related issues, problems associated with large scale rehabilitation in irrigation projects, interbasin water transfers and governance were also discussed.

Prof. Bart Schultz on 22 September 2006

Prof. dr. Bart Schultz, President Hon. ICID, Chairman EB-JOUR and Chairman, TF-IBWT visited Central Office on 22 September 2006 for a day long meeting with Er. M. Gopalakrishnan, Secretary General, ICID and other professionals. President Hon. Prof. Schultz paid a visit to the newly constructed portion in Central Office.

The status of CPSP Phase I and future scope and approach for Phase II, issues related to Journal, Task Force works on IBWT were inter-alia discussion points.

Prof. Schultz was invited by New Delhi Centre of World Water Council (NDCWWC) to deliver a guest lecture on the 'Role of Water Management in Global Food Production' on the occasion of 47th Brainstorming Session of NDC- WWC.

Ms. Annette Kimmich on 19 October 2006

Ms. Annette Kimmich, Open University Geological Society, Switzerland visited Central Office on 19 October 2006. Mr. K.N.Sharma, Secretary, ICID welcomed her and Mr. N.K. Choudhary (Educational Consultant, India) and Mr. L.P. Chaudhari of Institute for Sustainable Development and Research, India. Mr. Sharma introduced ICID to visitors by way of Powerpoint (PP) presentation followed by discussions. Ms. Kimmich was impressed with the ICID activities and its global network. She promised to get in touch with the Swiss National Committee on Irrigation and Drainage and explore possibilities for further cooperation.

Mr. A.C. Tyagi, Director, WMO on 27 October 2006

Mr. Avinash C. Tyagi, Director, Hydrology and Water Resources Development, World Meteorological Organization (WMO), Switzerland visited Central Office on 27 October 2006. Secretary General M. Gopalakrishnan welcomed him and discussed issues of mutual interest such as issues emerging from participation of WMO and ICID in 4th World Water Forum (WWF-4) in Mexico and its follow up, ICID's contribution to Hydrological Ensemble Prediction Experiment (HEPEX) workshop in USA, among others. Such co-operation enhances the efforts between WMO and ICID in working together on activities relating to flood and risk management.



< ICID Central Office

Visits of Distinguished Dignitaries to the ICID Central Office :

- 1 President Lee
- 2 Professor Asit K Biswas
- 3 Professor Bart Schultz
- 4 Ms. Annette Kimmich
- 5 Mr.A.C. Tyagi
- 6 VPH Hector Malano
- 7 President Hon. Keizrul bin Abdullah
- 8 VPH R. Jeyaseelan



VPH Hector Malano on 24 November 2006

Vice President Hon. Hector M. Malano (Australia), Chairman, PCTA visited Central Office on 24 November 2006 for a half-day meeting with Secretary General, ICID and other professionals. Discussions were held with Chairman PCTA on matters connected with PCTA.

President Hon. Keizrul on 8 December 2006

Dato' Ir. Hj. Keizrul bin Abdullah, President Hon. ICID and Chairman, Malaysian National Committee of ICID (MANCID) visited Central Office on 8 December 2006. Secretary General M. Gopalakrishnan welcomed President Hon. Keizrul bin Abdullah. Issues emerging from Kuala Lumpur events were discussed in the brief meeting in Central Office. At the invitation of the Indian National Committee of ICID (INCID), a guest speech was delivered by President Hon. Keizrul at Central Water Commission

(CWC) in New Delhi. Ir. Keizrul bin Abdullah's presentation on 'Transforming Irrigated Agriculture into an Efficient Engine of Growth' highlighted the dynamics of the sector leading to the emergence of agriculture as a business in developing economies.

VPH R. Jeyaseelan on 4 January 2007

Vice President Hon. R. Jeyaseelan, Chairman, Indian National Committee of ICID (INCID) and Central Water Commission (CWC), who relinquished his office on 30 November 2006 visited Central Office on 4 January 2007. Er. M. Gopalakrishnan, Secretary General, ICID honoured Mr. and Mrs. Jeyaseelan by floral bouquet.

The Central Office staff gathered to thank Vice President Hon. Jeyaseelan for his contributions in the various committees besides Staff Committee and Screening Committee that considers the welfare of the staff.

ICID Work Distribution Amongst Professionals



Secretary
K.N. Sharma

IEC and Membership
Management Board
Staff Committee
Office Bearers Committee
ICID Website/ Text Delivery Service
UNESCO/IWALC
WWF 4 / TF - EIF
External & Internal Reviews
CG and MC IPTRID
Strategy Themes
Work Bodies
PCTA,
PCSPOA
PFC
WG-CD



Director I
S.A. Kulkarni

Sale of Publications
Newsletter
WatSave Awards
IWMI / ISO
CPSP-I (concluding work)
Africa Region
Work Bodies
WG-DMIS
WG-DRG
WG-PQW
WG-ON-FARM
WG-SOCIO
WG-WATS
WG-CLIMATE
ST-LCB
AFRWG



Director II
V.K. Labhsetwar

Congresses
ICID Journal
Americas and Europe Regions
News Update
Work Bodies
C-CONGR
EB-JOUR
WG-CROP
WG-IADWS
WG-CAFM
WG-ILWRM
WG-SDTA
AMRWG
ERWG



Joint Director
Mrs. Jancy Vijayan

WWD / ICID Day
Annual Report
FAO/ WWC/GWP
ECOSOC/UN/CSD
N.D. Gulhati Lecture
TF - IBWT & Maps
Asia Region
Work Bodies
C-PR&P
AC-IPTRID & WG- R&D
WG-ENV
WG-YPF
WG-CBTE
WG-HIST
ST-ARAL
ASRWG

Financial Statements

Consolidated Receipts and Payment Account (1 April 2006 to 31 March 2007)

	2006-2007	2005-2006
RECEIPTS		
Membership Subscription	9 389 521	8 416 643
Publications	482 083	502 625
Meeting Receipts	180 000	2 709 258
Interest	1 278 610	957 688
Others	1 370 228	1 387 023
Let out Property	6 173 040	7 973 510
Total Receipts	18 873 482	21 946 747
PAYMENTS		
Salaries and Retirement Benefits	8 571 748	10 419 661
Services and Maintenance	1 776 026	2 408 856
Property Tax and Utilities	1 796 046	3 269 004
Rehabilitation / Refurbishing	-	217 225
Printing and Distribution	2 182 618	2 823 580
Subscription to other organizations	-	-
Travel Expenditure	845 596	549 026
Others	1 895 670	287 765
Contingency	-	-
Total Payments	17 067 704	19 975 117
Surplus (Deficit) (1)	1 805 778	1 971 630
Grant Receipts	67 005	6 769 920
Grant Utilization	2 570 427	10 750 310
Surplus (Deficit) of Grants (2)	(2 503 422)	(3 980 390)
Net Surplus (Deficit) (1)+(2)	(697 644)	(2 008 760)
	As on 31.3.2007 (Rs.)	As on 31.3.2006 (Rs.)
ASSETS		
Property and Equipment	9 686 045	10 145 977
Receivables	2 731 542	3 164 066
Stocks	1 822 179	2 070 220
Cash at bank and in hand	31 354 559	31 132 383
Total Assets	45 594 325	46 512 646
LIABILITIES		
Accounts payable	3 114 948	5 093 854
Grants	64 634	3 061 152
Gratuity Fund	2 609 138	2 227 264
Superannuation Fund	1 424 659	1 372 194
Total Liabilities	7 213 379	11 754 464
NET ASSETS	38 380 946	34 758 182
RESERVES		
General Fund	37 728 650	34 135 855
Dictionary Fund	652 296	622 327

The year 2006-07 closed with total receipts of Rs. 18.87 Million and expenses of Rs. 17.06 Million reflecting a surplus of Rs. 1.81 Million. This does not take into account the specific purpose grants for CPSP received from the Dutch Government and financial assistance from Japanese National Committee of ICID (JNC-ICID) for printing of the brochure on "Multiple Roles and Diversity of Irrigation Water".

External Support

In 2006 - 07, the Commission received a sum of US\$ 1 489 from JNC-ICID towards financial assistance for printing of the brochure on "Multiple Roles and Diversity of Irrigation Water".

Future ICID Events

ICID Council Meetings :

1. 58th IEC Meeting, 30 September - 5 October 2007, Sacramento, USA.

Contact: Mr. Larry D. Stephens, Executive Vice President, U.S. National Committee on Irrigation and Drainage (USCID), 1616 Seventeenth Street, Suite 483, Denver, CO 80202, USA. Tel : +1 303 628 5430; Fax: +1 303 628 5431; E-mail: stephens@uscid.org; Website : <http://www.icid2007.org>.



2. 59th IEC Meeting, 13-19 October 2008, Lahore, Pakistan.

Contact: Conference Secretariat, 506-WAPDA House, Lahore, Pakistan. Tel : +92 42 9202538, Fax : +92 42 9202154, E-mail : icid@icid2008.org, Website : <http://www.icid2008.org>.

3. 60th IEC Meeting, 2009, Abuja, Nigeria.

Contact: Engr. I.K. Musa, Director (Irrigation and Drainage), Chairman, Nigerian National Committee of ICID (NINCID), Federal Ministry of Water Resources and Rural Development, PMB 159, Garki, Area 1, Abuja, Nigeria. Tel: +234 9 234 2910; Fax: +234 9 234 3035; E-mail: majidadimusa@yahoo.com; nincid@yahoo.co.uk; info@nincid.com.

4. 61st IEC Meeting, 11-17 July 2010, Jogjakarta, Indonesia.

Contact : Secretary General, Indonesian National Committee, ICID (INACID), Directorate General of Water Resources, Ministry of Public Works, Jalan Pattimura No. 20/Perc. 7, Kebayoran Baru, Jakarta 12067, Indonesia. Tel : +62 21 723-0317, +62 21 723-0318; Fax : +62 21 726-1956, +62 21 720-8285; E-mail : indonecid@kimpraswil.go.id, indonecid@yahoo.co.id

ICID Regional Conferences

1. 22nd European Regional Conference, 2-6 September 2007, Pavia, Italy.

Theme : Water Resources Management and Irrigation and Drainage Systems Development in the European Environment. Contact : D.ssa M. Elisa Venezian Scarascia, ITAL-ICID General Secretary, Via Sallustiana, 10 Roma, Italy. Tel : +39 06 4884728 (Monday-Friday : 9-13), Fax " +39 06 4884728, E-mail: erc2007@italicid.it, me.scarascia@politicheagricole.it, Website : <http://www.italicid.org/erc2007>.

2. Second African Regional Conference, 6-9 November 2007, Johannesburg, South Africa.

Theme : Contribution of rainfed and irrigated agriculture to poverty alleviation through increased productivity in Africa. Contact : Monica Chipeta, Global Conferences Africa, E-mail: monica@globalconf.co.za or Dr. Gerhard R. Backeberg, Chairman, South African National Committee on Irrigation and Drainage (SANCID), Research Manager (WRC), Water Research Commission (WRC), Private Bag X03, Gezina, Pretoria 0031, South Africa, Tel : +27 12 330 0340; +27 12 330 9043 (Direct), Fax: +27 12 331 1136, E-mail: gerhardb@wrc.org.za, Website : <http://www.sancid.org.za/>

3. 3rd African Regional Conference, 2009, Abuja, Nigeria.

Contact: Engr. I.K. Musa, Director (Irrigation and Drainage), Chairman, Nigerian National Committee of ICID (NINCID), Federal Ministry of Water Resources and Rural Development, PMB 159, Garki, Area 1, Abuja, Nigeria. Tel: +234 9 234 2910; Fax: +234 9 234 3035; E-mail: majidadimusa@yahoo.com; nincid@yahoo.co.uk; info@nincid.com.

4. 5th Asian Regional Conference, 2009, India.

Contact : Mr. C.D. Khoche, Member-Secretary, Indian National Committee, ICID (INCID), Second Floor, Wing No.4, West Block-I, R.K. Puram, New Delhi-110066, India. Tel : + 91-11-2618 2348, 2616 9758, Telefax : +91-11-2618 2348, E-mail : wappower@ndb.vsnl.net.in; incid2000@vsnl.com

5. 6th Asian Regional Conference, 11-17 July 2010, Jogjakarta, Indonesia.

Contact : Secretary General, Indonesian National Committee, ICID (INACID), Directorate General of Water Resources, Ministry of Public Works, Jalan Pattimura No. 20/Perc. 7, Kebayoran Baru, Jakarta 12067, Indonesia. Tel : +62 21 723-0317, +62 21 723-0318; Fax : +62 21 726-1956, +62 21 720-8285; E-mail : indonecid@kimpraswil.go.id, indonecid@yahoo.co.id

ICID Congress

1. 20th International Congress on Irrigation and Drainage, Lahore, Pakistan, 13-19 October 2008.

Contact : Conference Secretariat, 506-WAPDA House, Lahore, Pakistan. Tel : +92 42 9202538, Fax : +92 42 9202154, E-mail : icid@icid2008.org, Website : <http://www.icid2008.org>.



Other ICID Regional/National Events

1. 4th International Conference on Irrigation and Drainage, 3 - 6 October 2007, Sacramento, USA.

Contact : Mr. Larry D. Stephens, Executive Vice President, United States Committee on Irrigation and Drainage (USCID), 1616 Seventeenth Street, Suite 483, Denver, CO 80202, USA. Tel: +1 303 628 5430; Fax: +1 303 628 5431; E-mail: stephens@uscid.org; Website: <http://www.uscid.org/>.

2. 10th International Drainage Workshop, 6-11 July 2008, Helsinki, Finland | Tallinn, Estonia.

Contact : Fincid ry, Simonkatu 12 A 11, 00100 Helsinki, Finland, Tel : +358 9 694 2100, Fax : +358 9 694 2677, E-mail : fincid@fincid.fi, Website : <http://www.fincid.fi/idw2008>

Office Bearers and their E-mail Addresses

S. No.	Name	Position	E-mail
1.	Mr. Peter S. Lee Great Britain (2005-2008)	President	peterlee-icid@spamarrest.com
2.	Prof. YooMan, HUH Korea (2004-2007)	Vice President	okmillion@hanmail.net ; huym@karico.co.kr
3.	Dr. Hussein El-Arfy Egypt (2004-2007)	Vice President	elatfy@mwri.gov.eg
4.	Dr. G.G. Guluyk Russia (2004-2007)	Vice President	rusiptrid@mail.ru
5.	Dr. Mark Svendsen USA (2005-2008)	Vice President	msvendsen@peak.org
6.	Mr. Felix B. Reinders South Africa (2005-2008)	Vice President	felixr@ing1.agric.za , reindersf@arc.agric.za
7.	Mr. Gao Zhanyi China (2005-2008)	Vice President	gaozhy@iwhr.com
8.	Dr. Ing. Elko Lubbe Germany (2006-2009)	Vice President	524@bmelv.bund.de
9.	Dr. Karim Shiati Iran (2006-2009)	Vice President	karim.shiati@yekim.com , k_shiati@yahoo.com
10.	Ir. Mohd. Azhari bin Ghazalli Malaysia (2006-2009)	Vice President	azhari@water.gov.my ; pp@water.gov.my
11.	Er. M. Gopalakrishnan India (2004-2009)	Secretary General	icid@icid.org

Contacts of Workbody Chairpersons

CHAIRPERSONS OF WORK BODIES / TASK FORCES

S.No.	Chairperson's Name	Workbody	E-mail Addresses (as on 31 March 2007)
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PERMANENT COMMITTEES

1.	Dr. Alain Vidal France	Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA)	alain.vidal@cemagref.fr
2.	Prof. Hector Malano Australia	Permanent Committee for Technical Activities (PCTA)	h.malano@devtech.unimelb.edu.au
3.	Prof. Dr. Chandra A. Madramootoo Canada	Permanent Finance Committee (PFC)	chandra.madramootoo@mcgill.ca

COMMITTEE/WORKING GROUP/WORK TEAM UNDER PCTA

A. UNDER THE STRATEGY THEME "KNOWLEDGE" (ST.K)

4.	Prof.(Mrs.) L. Vincent The Netherlands	Merged IPTRID Advisory Committee and WG-R&D	Linden.Vincent@wur.nl; linden.vincent@users.tct.wau.nl
5.	Prof. Dr. Ir. Bart Schultz The Netherlands	ICID Journal Editorial Board (EB-JOUR)	bart.schultz@rws.nl
6.	Mr. Bruno Molle France	Coordination of Dictionaries (WG-CD)	bruno.molle@cemagref.fr
7.	Mr. Larry D. Stephens USA	Committee on Public Relations and Publications (C-PR&P)	stephens@uscid.org
8.	Prof. Dr. Nobumasa Hatcho Japan	History of Irrigation, Drainage and Flood Control (WG-HIST)	hatcho@nara.kindai.ac.jp; hatcho_n@yahoo.co.jp

B. UNDER THE STRATEGY THEME "BASIN" (ST.B)

9.	Dr. Alain Vidal France	Integrated Land and Water Resources Management (WG-ILWRM)	alain.vidal@cemagref.fr
10.	Prof. Hu Heping China	Environmental Impacts of Irrigation, Drainage and Flood Control Projects (WG-ENV)	huhp@tsinghua.edu.cn
11.	Dr. S. Nairizi Iran	Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS)	s.nairizi@toosab.com
12.	Ir. Dick de Bruin The Netherlands	Comprehensive Approaches to Flood Management (WG-CAFM)	dick.debruin@hetnet.nl
13.	Dr. Park, Sang-Hyun Korea, Rep. of	Sustainable Development of Tidal Areas (WG-SDTA)	pshpark@karico.co.kr
14.	Dr. Mark Svendsen USA	Global Climate Change and Irrigation (WG-CLIMATE)	marksvendsen@aol.com

C. UNDER THE STRATEGY THEME "SYSTEMS" (ST.S)

15.	Prof. Tom Franks Great Britain	Capacity Building, Training and Education (WG-CBTE)	tom.franks@btinternet.com
16.	Dr. Ing. Willem F. Vlotman The Netherlands	Drainage (WG-DRG)	vlotmanwf@bigpond.com
17.	Dr. Thierry Rieu France	Socio-Economic Impacts and Policy Issues (WG-SOCIO)	rieu@engref.fr

S.No.	Chairperson's Name	Workbody	E-mail Addresses (as on 31 March 2007)
18.	Eng. Hussein El-Atfy Egypt	Water Saving for Agriculture (WG-WATS)	encid@link.net, elatfy@mwri.gov.eg
19.	Prof. Hector Malano Australia	Development and Management of Irrigation Systems (WG-DMIS)	h.malano@devtech.unimelb.edu.au

D. UNDER THE STRATEGY THEME "ON-FARM" (ST.OF)

20.	Dr. Ragab Ragab Great Britain	Sustainable Use of Natural Resources for Crop Production (WG-CROP)	rag@ceh.ac.uk
21.	Dr. Ragab Ragab Great Britain	Use of Poor Quality Water for Irrigation (WG-PQW)	rag@ceh.ac.uk
22.	Mr. Felix Britz Reinders South Africa	On-Farm Irrigation Systems (WG-ON-FARM)	reindersf@arc.agric.za

COMMITTEE/WORKING GROUP/WORK TEAM UNDER PCSPOA

23.	Dr. Luis Rendón Pimentel Mexico	American Regional Working Group (AMRWG)	cnm@mxcid.org, brobles@tlaloc.imta.mx, luis.rendon@cna.gob.mx
24.	Dr. Karim Shiati Iran	Asian Regional Working Group (ASRWG)	karim.shiati@yekom.com, k_shiati@yahoo.com
25.	Dr.-Ing. Eiko Lübbe Germany	European Regional Working Group (ERWG)	Eiko.lubbe@bmvel.bund.de
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27.	Mr. Bukar Wakil Nigeria	Special Work Team on Lake Chad Basin (ST-LCB)	nincid@yahoo.co.uk
28.	Prof. Victor A. Dukhovny Uzbekistan	Special Work Team on Aral Sea Basin (ST-ARAL)	duk@icwc-aral.uz; duk@rol.uz
29.	Dr. Ali Reza Salamat Iran	Young Irrigation Professionals Forum (WG-YPF)	salamat_ir@yahoo.com
30.	Dr. Illahi B. Shaikh Pakistan	Committee on Congresses/Conferences (C-CONGR)	pakfloodcommission@hotmail.com

TASK FORCE(TF) OF ICID

31.	Mr. Aly M. Shady Canada	TF to Guide ICID Inputs to 4th World Water Forum (WWF-4)	ALY_SHADY@acdi-cida.gc.ca
32.	Prof. dr. Bart Schultz The Netherlands	TF on Inter-Basin Water Transfers	bart.schultz@rws.nl
33.	Engr. I.K. Musa Nigeria	TF for Identifying Priority Issues for Least Developed Countries in Africa (TF-LDCsAF)	majidadimusa@yahoo.com
34.	Dr. Shigetaka Taniyama Japan	TF for Least Developed Countries in Asia (TF-LDCsAS)	s.taniyama@jarus.or.jp, taniyama@msc.biglobe.ne.jp
35.	Mr. Stephen Mills Australia	TF for Suggesting Effective Mechanism for Farmers' Involvement in ICID Activities (TF-EIF)	stmills@bigpond.net.au, stmills@cv.quick.com.au

Contacts of ICID Member Committees

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1.	Australia	ANCID	Mr. Kim Russell, Executive Officer	kim.russell@bigpond.com
2.	Austria	AUNCID	Prof. Dr. Andreas Klik, Secretary	Andreas.Klik@boku.ac.at
3.	Bangladesh	BANCID	Mr. Mir Sajjad Hossain, Member-Secretary	jrcb@bdcom.net
4.	Brazil	ABID	Ing. Helvecio Mattana Saturnino President	abid@pib.com.br, helvecio@gcsnet.com.br
5.	Canada	CANCID	Mr. Laurie C. Tollefson Secretary - Treasurer	tollefson@agr.gc.ca
6.	Chile	CHICID	Mr. Jorge Galvez Blanco Secretario	jorge.galvez@mop.gov.cl
7.	China	CNCID	Mrs. Jianxin Mu Executive Secretary	cncid@iwhr.com, mujx@iwhr.com
8.	Chinese Taipei	CTCID	Dr. Yih-Chi Tan, Ph.D. Secretary General	yctan@ntu.edu.tw
9.	Croatia	CRCID	Ms. Diana Sustic Secretary General	diana.sustic@zg.t-com.hr
10.	Cyprus	CYCID	Mr. Vlassis Partassidos Secretary	roc-dwd@cytanet.moa.gov.cy
11.	Czech Rep.	CZNC-ICID	Ing. Radomir Muzikar, CSc. Secretary	radomir.muzikar@karneval.cz
12.	Egypt	ENCID	Dr. Hussien El-Atfy Secretary	encid@link.com.eg
13.	Estonia	ESTICID	Mr. Mati Tonismae Chairman	mati.tonismae@agri.ee
14.	Ethiopia	ETCID	Mr. Getaneh Assefa Secretary	l_mekonen@hotmail.com
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22.	India	INCID	Mr. C.D. Khoche Member-Secretary	wappower@ndb.vsnl.net.in; incid2000@vsnl.com
23.	Indonesia	INACID	Ir. Moh Hasan, Dipl. HE Secretary General	indonecid@kimpraswil.go.id, indonecid@yahoo.co.id

S.No.	Member Committee	Acronym	Name and Designation of the Contact Person	Contacts
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29.	Japan	JNC-ICID	Mr. Yutaka Sumita Secretary General	jncid@nm.maff.go.jp
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33.	Lithuania	LNCID	Dr. Antanas Maziliauskas President	Maziliauskas@hidro.lzuu.lt
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42.	Nigeria	NINCID	Engr. D.B. Madu Secretary General	nincid@yahoo.co.uk; info@nincid.com
43.	Pakistan	PANCID	Mr. Javeed Iqbal Bokhary Secretary	pakfloodcommission@hotmail.com
44.	Philippines	PNC-ICID	Mr. Dominador D. Pascua Acting Chairman and Secretary	pnc-icid@nia.gov.ph, pncicid@yahoo.com
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49.	Slovenia	SINCID	Prof. dr. Brane Maticic President	SDNO-SINCID@guest.arnes.si; brane.maticic@guest.arnes.si

S.No.	Member Committee	Acronym	Name and Designation of the Contact Person	Contacts
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51.	Spain	CERYD	Dr. José A. Ortiz Fdz.-Urrutia Secretario Ejecutivo	aeryd@serina.es or ja.ortiz@iies.es
52.	Sri Lanka	SLNICID	Chairman	id_dgi@mail2.lanka.net, dd_cns@irrigation.slt.lk
53.	Switzerland	CH-AGRAM	Prof. André Mermoud	andre.mermoud@epfl.ch, vuillerat@vtx.ch,
54.	Syria	SYCID	Eng. Nader Al-Bunni Chairman	irrigation.min@net.sy
55.	Thailand	THAICID	Mr. Thanunchai Thammaphirome Secretary General	thanunchait@mail.rid.go.th; thaicid@mail.rid.go.th
56.	Turkey	TUCID	Prof. Dr. Veysel EROGLU Chairman	eroglu@dsi.gov.tr
57.	Ukraine	UKCID	Dr. Peter Kovalenko President	ukricid@reclamation.org.ua
58.	USA	USCID	Mr. Larry D. Stephens Executive Vice President	stephens@uscid.org
59.	Uzbekistan	UzNCID	Mr. Latfulla Khaknazarovich Mukhamednazarov Secretary General	alexasan@mail.ru
60.	Yugoslavia	YUGCID	Mr. Petar Pantelic President	spantelic@vodevojvodine.com
61.	Zambia	ZACID	Mr. I.M. Akayombokwa	dfsilh@zamnet.zm

The 20th ICID Congress will focus on :

Theme : Participatory Integrated Water Resources Management - From Concepts to Actions

Question 54 : Sustainable Integrated Water Resources Management

- 54.1 : Knowledge base, information management and dissemination of research in developing countries
- 54.2 : Design and operation of irrigation systems for use of treated and partially treated wastewater, saline water or soils - limitations and opportunities
- 54.3 : Conjunctive operation of storage reservoirs for multi-purposes
- 54.4 : Experiences on impacts of climate changes on water resources
- 54.5 : Mineral tolerant plants in waterlogged and saline lands

Question 55 : Role of Public and Private Sectors in Water Resources Development and Management

- 55.1 : Performance of irrigation and drainage systems after modernization / privatization
- 55.2 : Socio-economic aspects of agriculture production in developing countries
- 55.3 : Technical, technological, economic and legal aspects of development, management and use of water resources of trans-boundary (interstate) rivers

For more details, log on to the Website : www.icid2008.org.

List of ICID Publications

(A) SPECIAL PUBLICATIONS

S.No.	Publication Title	Year of Publication	Sale Price (US\$)		Postal (Airmail) Charges (US\$)	
			Listed	For NCs/ Members & Booksellers	For Bangladesh Nepal & Pakistan	For Other Countries
1.	Micro Irrigation in Arid and Semi-Arid Regions – Guidelines for Planning and Design, ICID Publication No. 87	2006	60	30	2	3
2.	Planning and Designing of Micro-Irrigation in Humid Regions	2005	20	10	1	2
3.	Manual on Planning of Structural Approaches to Flood Management	2005	40	20	2	3
4.	Application of Geosynthetics in Irrigation and Drainage Projects 2004 30 15 2 3					
5.	The Indus Basin - History of Irrigation, Drainage and Flood Management	2004	140	70	4	7
6.	Danube Valley - History of Irrigation, Drainage and Flood Control	2004	150	75	5	9
7.	CD-ROM Version of Multilingual Technical Dictionary	2002	50	25	1	2
8.	Historical Dams	2001	130	65	5	9
9.	CD-ROM Version of ICID Watsave Activities (Handling Charges)	2001	–	–	5	5
10.	Canal Operation Simulation Models	2000	20	10	1	2
11.	ICID Survey on Funding of Operation, Maintenance and Management of Irrigation Projects	2000	30	15	1	1
12.	Remote Sensing and Geographic Information Systems in Irrigation and Drainage - Methodological Guide and Applications	2000	50	25	2	3
13.	CD-ROM ICID@50 (Handling Charges)	2000	–	–	5	5
14.	Guidelines for Rehabilitation and Modernization of Irrigation Projects	1999	20	10	2	2
15.	Manual on Non-structural Approaches to Flood Management	1999	40	20	3	4
16.	Multilingual Technical Dictionary (MTD)	1996	86	20	11	13
17.	Selection Criteria for Irrigation Systems	1995	30	7	2	3
18.	L'Automatisation Des Reseaux D'Irrigation En Canaux (F)	1994	28	7	3	3
19.	Automation of Canal Irrigation Systems	1993	28	7	2	2
20.	Criteres de Choix des Systemes D'Irrigation (F)	1992	30	7	2	3
21.	A Guide to Acquiring a Computer System for the Management of Water Resources	1992	33	8	2	3

S.No.	Publication Title	Year of Publication	Sale Price (US\$)		Postal (Airmail) Charges (US\$)	
			Listed	For NCs/ Members & Booksellers	For Bangladesh Nepal & Pakistan	For Other Countries
22.	Guidelines on The Construction of Horizontal Subsurface Drainage Systems	1990	32	8	4	5
23.	Improvement in Irrigation Management with Special Reference to Developing Countries, State-of-the-Art No.4	1987	25	2	2	3
24.	Design Practices for Covered Drains in an Agricultural Land Drainage System - A Worldwide Survey	1987	50	3	6	8
25.	Automatisation des Systemes d'Irrigation de Surface a Travers Le Monde (F)	1987	10	2	2	2
26.	Automated Farm Surface Irrigation Systems Worldwide	1986	10	2	2	2
27.	Guide 106 de la CIID - Developpement du Beton Bitumineux et de la Membrane Bitumineuse (F)	1985	13	2	2	2
28.	ICID Guidelines 106 - Development of Bitumen Concrete and Membranes	1985	13	2	2	2
29.	History of Irrigation and Drainage in the USSR	1985	35	2	6	8
30.	Design Practices of Open Drainage Channels in an Agricultural Land Drainage System – A Worldwide Survey	1984	25	2	5	5
31.	State-of-the-Art Irrigation, Drainage and Flood Control No. 3	1984	25	2	5	7
32.	State-of-the-Art Irrigation, Drainage and Flood Control No. 2	1981	22	2	5	5
33.	State-of-the-Art Irrigation, Drainage and Flood Control No.1	1978	22	2	7	9
34.	Manual of Flood Control Methods and Practices	1983	20	2	5	5
35.	Irrigation and Drainage in the World (Vol.1-1981, Vol.2-1982, Vol.3-1983)	1981-83	75	7	19	23
36.	Tendances Modernes dans la Necaanisation de Construction dans les Projects d'Irrigation et de Drainage (F)	1980	18	2	2	3
37.	ICID Technical Memoirs No. 3	1979	13	2	5	5
38.	ICID Technical Memoirs No 2	1974	8	2	5	5
39.	ICID Technical Memoirs No 1	1972	5	2	5	5
40.	Drainage Construction Techniques for Vertical / Tubewell Drainage	1978	6	2	2	2
41.	Irrigated Rice - A Worldwide Survey	1977	11	2	7	9
42.	Flood Control in the World - A Global Review, Vol. II	1977	11	2	6	8
43.	Flood Control in the World - A Global Review, Vol. I	1976	12	2	7	9

(B) TRANSACTIONS AND PROCEEDINGS

S.No.	Publication Title	Year of Publication	Sale Price (US\$)		Postal (Airmail) Charges (US\$)	
			Listed	For NCs/ Members & Booksellers	For Bangladesh Nepal & Pakistan	For Other Countries
44.	Transactions - Nineteenth Congress on Irrigation and Drainage, Beijing, China, 2005 on the theme "Use of Water and Land for Food Security and Environmental Sustainability" (Abstracts Vols. – 1A, 1B, General Reports – 1C, and Keynote Addresses – 1D and CD-ROMs) Only CD-ROMs	2005	450 250	225 125	8 1	12 2
45.	Transactions - Eighteenth Congress on Irrigation and Drainage, Montreal, Canada, 2002 on the theme "Food Production under Conditions of Water Scarcity, Increasing Population and Environmental Pressures" (Abstracts Volumes 1A, 1B; General Reports - 1C and CD-ROM)	2002	200	100	6	10
46.	Transactions - Seventeenth Congress on Irrigation and Drainage, Granada, Spain, 1999 on the theme "Water for Agriculture in the Next Millenium", Vols. 1A-1J (10 Volumes) and Vol. 2	1999	425	110	25	29
47.	Transactions - Sixteenth Congress on Irrigation and Drainage, Cairo, Egypt, 1996 on the theme "Sustainability of Irrigated Agriculture" Vols. 1A-1H, (8 Volumes) and Vol. 2	1996	365	25	25	27

(C) OTHER PUBLICATIONS

S.No.	Publication Title	Year of Publication	Sale Price (US\$)		Postal (Airmail) Charges (US\$)	
			Listed	For NCs/ Members & Booksellers	For Bangladesh Nepal & Pakistan	For Other Countries
48.	Sector Vision : Water for Food and Rural Development - Country Position Papers	2000	5	5	5	8
49.	Checklist to Assist Preparation of Small-Scale Irrigation Projects in Sub-Saharan Africa	1998	5	5	5	5
50.	Watsave Scenario	1997	5	5	5	5

Note : All publications will be sent by surface mail. If requested by airmail, charges as shown will be added.

Obituary

It is with profound grief and sorrow; we inform you that

Mr. Ryutaro Hashimoto,

passed away on 1 July 2006. Mr. Hashimoto (Japan) was the President of the Steering Committee of the 3rd World Water Forum in 2003 and responsible to provide a continuous guidance for 6 years in an able manner. It was his passion and enthusiasm that made the WWF-3's efforts getting recognition as "a large step for generating a new flow of actions for resolution of world water problems". ICID fraternity offers its heart-felt condolences to the bereaved family of Mr. Ryutaro Hashimoto. May his soul rest in eternal peace.

Dr. Wayne O. Deason,

USCID (USA) passed away on 18 March 2007 at the age of 67. The ICID fraternity deeply mourns the demise of Dr. Deason. His contribution as the Chairman and member of the ICID Working Group on Environment in its formative years and to ICID at large will be long remembered by all. Our heartiest condolences to the late Dr. Deason's bereaved family and to USCID. May his soul rest in eternal peace.

Vice President Honoraire Ir. Cornelis Storsbergen,

NETHCID (The Netherlands) passed away in Amersfoort, the Netherlands on 30 March 2007 at the age of 75. As a renowned international consultant in the field of civil engineering, irrigation, drainage and flood protection, he has served in several countries like Iraq, Indonesia, Tanzania, Surinam, Jordan, Tunisia, Colombia, Guatemala, Belgium, Burundi, etc. He has been a member of the Working Group on Construction, Rehabilitation, and Modernization of Irrigation Projects of ICID since 1984 and it's Chairman during 1993-1996. He was Vice President of ICID during 1996-1999. ICID fraternity offers its condolences to the bereaved family of Ir. Storsbergen. May his soul rest in eternal peace.

Recent ICID Publications

Periodicals (In House)



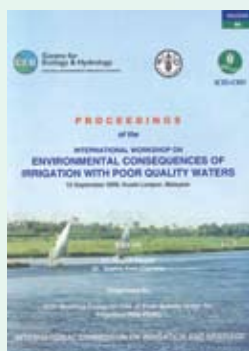
The main ICID publications which were brought out during the period 2006-2007 under regular categories were – (i) Four quarterly issues of ICID Newsletter, (ii) 12 issues of monthly ICID News Update, (iii) Annual Report for the period 1 April 2005 to 31 March 2006, and (iv) Updated version of ICID Multilingual Technical Dictionary. The MTD of ICID was included in the E-Learning Package of UNESCO-IHE for its graduating students and is posted on ICID website.

Special (In House)

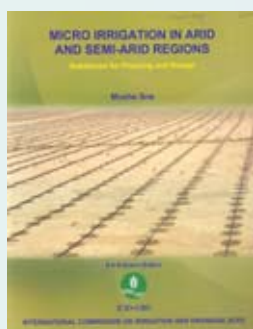
Ragab Ragab, 2006, Proceedings of the International Workshop on Water Saving Practices in Rice Paddy Cultivation, 14-15 September 2006, Kuala Lumpur, Malaysia, ICID, Central Office, New Delhi, ICID Publication No. 85, pp 99 + CD-ROM.



Ragab Ragab and Sasha Koo-Oskim, 2006, Proceedings of the International Workshop on Environmental Consequences of Irrigation with Poor Quality Waters: Sustainability, Management and Institutional, Water Resources, Health and Social Issues, September 2006, Kuala Lumpur, Malaysia, ICID, Central Office, New Delhi, ICID Publication No. 86, pp 183 + CD-ROM.



Sne, Moshe, 2006, Micro Irrigation in Arid and Semi-arid Regions: Guidelines for Planning and Design, ICID, Central Office, New Delhi, ICID Publication No. 87, pp 126.



The guidelines described in the book will be valuable for irrigation engineers, practicing professionals in water management, students, farmers, manufacturers and all those dealing with the subject of micro irrigation.

Publications in Collaboration with National Committees

Benchmarking Report for 2004/2005 – Australian Irrigation Water Provider, Australian National Committee on Irrigation and Drainage (ANCID), April 2006 + CD ROM.



Dirksen, W., and Huppert, W., 2006. Irrigation Sector Reform in Central and Eastern Countries, Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)/ERWG/ICID, pp 667 + CD ROM.

Korean National Committee of ICID, and Malaysian National Committee of ICID, 2006, Evaluation of 2nd Draft ICID Handbook on SDTA: 5th International Workshop on Sustainable Development of Tidal Areas, at the 57th IEC of ICID, 15 September 2006, Kuala Lumpur, Malaysia, pp 309.

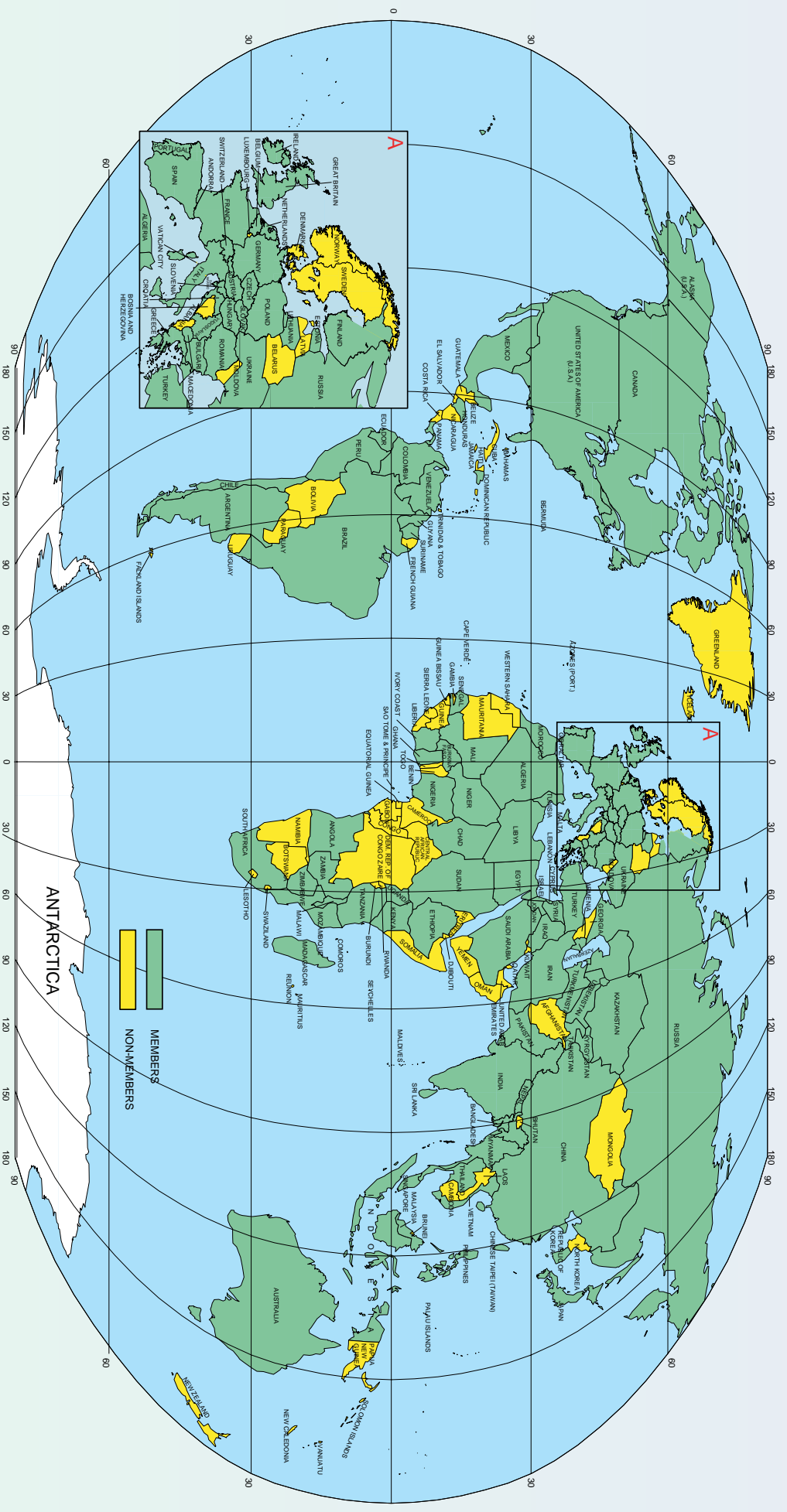


IPTRID/Food and Agricultural Organization of the United Nations (FAO), 2007, Workshop Proceedings on Monitoring and Evaluation of Capacity Development Strategies in Agricultural Water Management, Kuala Lumpur, Malaysia, 14 September 2006, Final Report of the 57th IEC Meeting of the ICID, pp 108.

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