



ICID•CIID

**International Commission on Irrigation and Drainage**

**A  
N  
N  
U  
A  
L  
  
R  
E  
P  
O  
R  
T**

**2007-08**

**Managing Water for Sustainable Agriculture**





# 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 ICID 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 the state of the art techniques for sustainable agriculture in the world.

**Managing Water for Sustainable Agriculture**  
**A Pathway to Poverty Alleviation**



# Foreword

It is my privileged pleasure to place before you the Annual Report for the year 2007-08.

The significant activity during the reporting year was the 58th International Executive Council (IEC) meeting and other related pre council meetings of 34 workbodies and workshops of 7 Working Groups (WGs) which were held during 30 September - 5 October 2007. ICID family met in Sacramento, USA on these days to enjoy the excellent hospitality of our friends in USCID. Over 450 delegates from 35 countries deliberated in the meetings, workshops and USCID Conference

on Irrigation and Drainage. The side events included an impressive exhibition involving more than 40 firms and displays on emerging technologies and innovations for which Australian representation was sizeable. Mr. Robert Quint of USBR joined us with his colleagues and his keynote gave us an insight of the current trends and policies of water management, particularly in the US West. Besides, the invited keynote speech of Dr. Abu-Zeid, Egyptian Minister of Water Resources and Irrigation highlighted the challenges faced by Egypt in Water Sector and their national strategy plans for coping with those challenges.

The year was studded with many regional events that generated valuable knowledge support. The Asian Regional Conference in Tehran in May 2007 focused on "Participatory Irrigation Management"; the European Regional Conference in Pavia in September 2007 considered "European Framework Directive in the Field of Water Policy"; and the African Regional Conference in November 2007 examined the relevance of "Rainfed and Irrigated Agriculture to Poverty Alleviation".

In the global water front, our active participation in the preparatory meetings for the forthcoming WWF5 events continued. Befitting the partnership agreement signed between ICID and WWC last year, we carved out the roles for various WGs in relation to WWF5 themes and topics; our TF to guide ICID input to the Forum 5 deliberated and made recommendations to the Council and in line with some of the decisions, contributions are emerging. The significant ICID input will be on Topic 2.3 "Water and Food for Ending Poverty and Hunger" coming under the main theme "Advancing Human Developments and MDGs". We owe our thanks to PH Bart Schultz and VPH Henri Tardieu for their role to draft the scoping document and working on the formation of the Consortia.

ICID also played a significant role in the discussions leading to the architecture of the forthcoming World Water Development Report 3(WWDR3), to be released during Istanbul Sessions of the WWF5 in March 2009. UNESCO's World Water Assessment Programme had included your Secretary General to serve in the Technical Advisory Committee for the WWDR3. ICID also had the privilege of participation in 1st Asia Pacific Water Summit in Beppu, Japan in December 2007 where ICID joined hands with FAO and IUCN. ICID participated in the CSD-16 meetings held in Jakarta in November 2007 which was devoted to agriculture and desertification together with other S&T organizations for achieving MDG targets. ICID contributed in the Governing Council meetings of IFAD; it also strengthened its association with UN Water. In a re-constituted IPTRID Steering Committee, ICID will continue to contribute and shape IPTRID's new activities.

In due cognizance of the recommendations of the PCTA Internal Review Committee, several of our WGs responded to the targets set during this year. We congratulate the WGs who have completed their mandate, wound up their workbody and brought out publications on their work. This particularly applies to the WGs on CBTE, IADWS, SOCIO and TF-LDCsAS. The timely completion enabled us to launch new WGs on other topics of present day relevance. The fresh groups like TF-POVERTY and WG-CROP and TF on Climate Change and Irrigation of ASRWG have launched their work during the year. On the review exercise front, the report on the Internal Review on Finances was presented in the 58th IEC; National Committee (NC) subscriptions were revised accepting a 3% annual increase by the Council.

ICID Journal - Irrigation and Drainage reached new heights in citation index in the category "Water Resources and Agronomy". In addition to the four regular issues, the special issue on Drainage commemorated the completion of the 25th year of ICID's Drainage Working Group.

The Central Office has endeavoured to capture a few of the contributions of NCs and their individual activities to the extent of information made available. These as well as the main activities as reflected hopefully cover our accomplishments during the reporting year. Our dedication to improve upon them and excel would continue.

I thank you all for the immense contributions made to enhance our outputs and also ICID's visibility in the Global Water Arena.

M. Gopalakrishnan  
Secretary General



# INTERNATIONAL EXECUTIVE COUNCIL (IEC)

Office Bearers Committee (OBC)

**VPH. HECTOR MALANO**  
Permanent Committee for Technical Activities (PCTA)

**VPH. C. MADRAMOOTOO**  
Permanent Finance Committee (PFC)

**VP. GAO ZHANYI**  
Perm. Committee on Strategy Plng. & Org. Affairs (PCSPOA)

Management Board (MB)

Central Office (CO)

Staff Committee (SC)

Mgmt. Team Journal (MT-JOUR)

Theme Leader  
**VPH. ALAIN VIDAL**  
"Knowledge"

Theme Leader  
**VPH. ALAIN TARDIEU**  
"Basin"

Theme Leader  
**W.F. VLOTMAN**  
"Systems"

Theme Leader  
**VPH. S. NAIRIZI**  
"On-Farm"

## WORKBODY CHAIRPERSON

**PH. ALY M. SHADY**  
TF to Guide ICID Inputs to WWF 5 (TF-WWF 5)

**PH. BART SCHULTZ**  
TF on Inter-Basin Water Transfers (TF-IBWT)

**VPH. ALAIN VIDAL**  
TF on Role of Irrg. on Poverty Alleviation & Livelihoods (TF-POV)

**VP. FELIX B. REINDERS**  
WG on On-Farm Irrigation Systems (WG-ON-FARM)

**VPH. VICTOR A. DUKHOVNY**  
Special Work. Team on Aral Sea Basin (ST-ARAL)

**PH. BART SCHULTZ**  
ICID Journal Editorial Board (EB-JOUR)

**VP. MARK SVENDSEN**  
WG on Global Climate Change & Agr. Wat. Mgmt. (WG-CLIMATE)

**VPH. HUSEIN EL-ATFY**  
WG on Water Saving for Agriculture (WG-WATS)

**RAGAB RAGAB**  
WG on Use of Poor Quality Water for Irrigation (WG-PQW)

**VPH. I.K. MUSA**  
Special Work. Team on Lake Chad Basin (ST-LCB)

**VPH. L.D. STEPHENS**  
Committee on Public Relations and Publications (C-PR&P)

**VP. I.B. SHAIKH**  
WG on Comp. Approaches to Flood Mgmt. (WG-CATM)

**W.F. VLOTMAN**  
Working Group on Drainage (WG-DRG)

**RAGAB RAGAB**  
WG on Water and Crop (WG-CROP)

**VP. EIKO LUBBE**  
European Regional Working Group (ERWG)

**LINDEN VINCENT**  
WG on Technology & Research Uptake & Exchange (WG-TRUE)

**P. SANG HYUN**  
WG on Sustainable Dev. of Tidal Areas (WG-SDTA)

**PAUL VAN HOFWEGEN**  
TF on Financing Water for Agriculture (TF-FIN)

**VPH. S. TANIYAMA \***  
TF for Least Developed Countries in Asia (TF-LDCsAS)

**VP. KARIM SHATI**  
Asian Regional Working Group (ASRWG)

**BRUNO MOLLE**  
WG on Coordination of Dictionaries (WG-CD)

**HU HEPING**  
WG on Env. Imp. of Irrg., Drg. & Flood Control Proj. (WG-ENV)

**MAURITS ERTSEN**  
WG on Modernization of Irrigation Services (WG-MIS)

**VPH. I.K. MUSA**  
TF for Least Developed Countries in Africa (TF-LDCsAF)

**LUIS RENDON PIMENTAL**  
American Regional Working Group (AMRWG)

**N. HATCHO**  
WG on History of Irrigation, Drg & Flood Control (WG-HIST)

**VPH. S. NAIRIZI \***  
WG on Irr. Agr. under Drought & Wat. Scarcity (WG-IADWS)

**TOM FRANKS \***  
WG on Capacity Building, Trng. & Education (WG-CBTE)

**SIZWE MKHIZE**  
African Regional Working Group (AFRWG)

**THIERRY RIEU \***  
WG on Socio-Economic Imp. & Policy Issues (WG-SOCIO)

**VP. I.B. SHAIKH**  
Committee on Congresses/Conferences (C-CONGR)

**ALI REZA SALAMAT**  
WG on Young Irrigation Professionals Forum (WG-YPPF)

\* Working Group activities concluded at the 58<sup>th</sup> IEC meeting

PH = President Honoraire; VPH = Vice President Honoraire; VP = Vice President; WG = Working Group; TF = Task Force

# Contents

ICID Workbodies at a Glance _____		vi
Highlights of the 58 <sup>th</sup> IEC Meeting _____		1
ICID Office Bearers _____		3
New Office Bearers _____		4
ICID Workbodies - MB, SC and OBC _____		5
ICID Workbodies - PFC and PCTA _____		6
ICID Workbodies under PCTA _____		7
ICID Workbodies under PCSPOA _____		23
ICID Task Forces under PCTA/PCSPOA _____		29
Network of ICID Members as on 31 March 2008 _____		34
World Water Day 2007 Celebrations _____		35
ICID Day Celebrations _____		38
58 <sup>th</sup> IEC Meeting of ICID _____		39
Involvement of ICID in International Seminars/ Workshops/ Conferences _____		42
Global Cooperation _____		48
ICID Central Office _____		53
Journal of ICID _____		56
Visits of Dignitaries to Central Office ICID _____		57
Activities of ICID Member Committees _____		59
Financial Statement _____		78
Future ICID Events _____		79
20 <sup>th</sup> Congress and 59 <sup>th</sup> IEC of ICID _____		80
Office Bearers and their E-mail Addresses _____		81
Contacts of Workbody Chairpersons _____		82
Contacts of ICID Member Committees _____		84
List of ICID Publications _____		87
Obituary _____		90
Recent ICID Publications _____		91

# ICID Workbodies at a Glance

## OFFICE BEARERS COMMITTEE (OBC)

MANAGEMENT BOARD (MB) Management Team Journal

STAFF COMMITTEE (SC) Screening Committee

## PERMANENT FINANCE COMMITTEE (PFC)

## PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA) -18 WORKBODIES

Theme : 'Knowledge' (5 Workbodies)	ICID Journal Editorial Board (EB-JOUR) Committee on Public Relations and Publications (C-PR&P) WG on Technology and Research Uptake and Exchange (WG-TRUE) WG on Coordination of Dictionaries (WG-CD) WG on History of Irrigation, Drainage and Flood Control (WG-HIST)
Theme: 'Basin' (5 Workbodies)	WG on Global Climate Change and Agricultural Water Management (WG-CLIMATE) WG on Comprehensive Approaches to Flood Management (WG-CAFM) WG on Sustainable Development of Tidal Areas (WG-SDTA) WG on Environmental Impacts of Irrigation, Drainage and Flood Control Projects (WG-ENV) WG on Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS)
Theme: 'Systems' (5 Workbodies)	Working Group on Capacity Building, Training and Education (WG-CBTE) Working Group on Drainage (WG-DRG) Working Group on Modernization of Irrigation Services (WG-MIS) Working Group on Socio-Economic Impacts and Policy Issues (WG-SOCIO) Working Group on Water Saving for Agriculture (WG-WATS)
Theme: 'On-Farm' (3 Workbodies)	WG on On-Farm Irrigation Systems (WG-ON-FARM) WG on Water and Crop (WG- CROP) WG on Use of Poor Quality Water for Irrigation (WG-PQW)

## PERMANENT COMMITTEE ON STRATEGY PLANNING AND ORGANIZATIONAL AFFAIRS (PCSPOA) - 8 WORKBODIES

Special Work Team on Aral Sea Basin (ST-ARAL)  
 Special Work Team on Lake Chad Basin (ST-LCB)  
 European Regional Working Group (ERWG)  
 Asian Regional Working Group (ASRWG)  
 American Regional Working Group (AMRWG)  
 African Regional Working Group (AFRWG)  
 Committee on Congresses/ Conferences (C-CONGR)  
 Working Group on Young Irrigation Professionals Forum (WG-YPF)

## ICID TASK FORCES (6)

TF-IBWT on Inter Basin Water Transfers  
 TF-LDCsAS for Identifying Priority Issues for Least Developed Countries in Asia  
 TF-LDCsAF for Identifying Priority Issues for Least Developed Countries in Africa  
 TF-FIN on Financing Water for Agriculture  
 TF-POVERTY on Role of Irrigation on Poverty Alleviation and Livelihoods  
 TF-WWF 5 to Guide ICID Inputs to WWF 5

# Highlights of the 58<sup>th</sup> IEC Meeting

- The 58th IEC meeting was held from 30 September to 5 October 2007 at Sacramento, USA
- Keynote addresses were made by Mr. Robert Quint, Deputy Commissioner, USBR and H.E. Dr. M. Abu-Zeid, Minister for Water Resources and Irrigation, Cairo, Egypt
- Mr. Peter Lee, President ICID made inaugural speech
- President Hon. Bart Schultz presented report on ICID Journal
- President Hon. Aly Shady made presentation on ICID Inputs to WWF 5
- President Hon. Keizrul bin Abdullah declared ICID WatSave Awards 2007
- VPH Dr. Alain Vidal presented PCSPOA report
- Dr. W. F. Vlotman presented PCTA report
- VPH Chandra Madramootoo presented PFC report
- Dr. W. F. Vlotman made a presentation on Strategy Theme 'Systems'
- Dr. Irina Bondarik made a brief description on the Russian version of ICID website
- Niger, Uruguay National Committees have become active members of ICID family
- Three new Vice Presidents - Prof. Dr. Peter Kovalenko (Ukraine), Dr. A. Hafied A. Gany (Indonesia) and Dr. Illahi B. Shaikh (Pakistan) were elected and three outgoing Vice Presidents - Dr. YooMan HUH (Korea), Dr. Hussein Ehsan El-Atfy (Egypt) and Dr. Georgi Georgievich Guluyk (Russia) were honoured
- Contract for publishing of ICID Journal by M/s Wiley-Blackwell was extended by 5 years from 2006-2008 to 2009-2013
- Ukraine National Committee (UKCID) will host 23rd ERC in 2009
- Iranian National Committee (IRNCID) will host 62nd IEC and 21st ICID Congress in 2011
- ICID will be a member of the Hydro-Power Task Force constituted by ICOLD
- ICID got the status of a Permanent Observer to the Executive Board of Governing Council, International Fund for Agricultural Development( IFAD)
- Proposal to provide free copies of ICID Journal to four Young Professionals of NCs was approved
- Secretary General, ICID presented formal report for the year 2006-07

## New Names of Workbodies Accepted:

- Technology and Research Uptake and Exchange (WG-TRUE) for the combined group of WG-R&D and AC-IPTRID
- Global Climate Change and Agricultural Water Management for WG-CLIMATE
- Working Group on Water and Crops for WG-CROP

## Workbodies Completed their Mandated Tasks:

- Working Group on Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS)
- Working Group on Socio- Economic Impacts and Policy Issues (WG-SOCIO)
- Working Group on Capacity Building, Training and Education (WG-CBTE)
- Task Force on Least Developed Countries in Asia (TF-LDCsAS)

# Highlights of the 58<sup>th</sup> IEC Meeting

## New Workbodies Created:

- Task Force to Guide ICID Inputs to WWF5 (TF- WWF 5)
- Task Force on Role of Irrigation on Poverty Alleviation and Livelihoods (TF-Poverty)
- Task Force on Financing Water for Agriculture (TF-FIN)

## New Chairs, Vice-Chairs and Secretaries of Workbodies Elected:

PCSPOA	- VP. Dr. Gao Zhanyi (China), Chairman
WG-MIS	- Dr. Maurits Ertsen (The Netherlands), Chairman
	- Mr. Francois Brelle (France), Vice-Chairman
WG-DRG	- Dr. James Ayars (USA), Vice-Chairman
WG-CAFM	- VP. Dr. I.B. Shaikh (Pakistan), Chairman
WG-TRUE	- Prof. (Mrs.) Linden Vincent (The Netherlands), Chairperson
	- Dr. (Mrs.) Shaden Abdel- Gawad (Egypt), Vice Chairperson
	- Dr. John Replogle (USA), Secretary
AFRWG	- Dr. Sizwe Mkhize (South Africa), Chairman
ST- LCB	- VPH. Engr. I.K. Musa (Nigeria), Chairman
ASRWG	- Dr. Kim Tai-Cheol (Korea), Vice-Chairman
	- Mr. Anthony J. Horton (Australia), Secretary
TF-FIN	- Ir. Paul van Hofwegen (The Netherlands), Chairman
	- Dr. Eric Viala (USA), Vice-Chairman
TF-Poverty	- VPH. Dr. Alain Vidal (France), Chairman

## New Workbody Proposed:

- Working Group on Water Management in Water Stressed Regions
- TF on Climate Change and Irrigation of Asian Regional Working Group (ASRWG)

## Conferences/Workshops Conducted:

- 4th International Conference on Irrigation and Drainage by US National Committee of ICID (USCID)
- WG-DRG commemorated its 'Silver Jubilee' by conducting a Workshop cum Meeting
- Workshop on 'Use of Treated Wastewater for Irrigation' by WG-ON-FARM
- Meeting cum Workshop on 'Flood related Aspects' by WG-CAFM
- Meeting cum Workshop on 'Global Climatic Change and Water' by WG-CLIMATE
- Workshop on 'Role of Irrigation on Poverty Alleviation and Livelihoods' by TF-POVERTY
- Workshop cum Meeting by WG-IADWS
- Meeting cum Workshop by WG-ENV
- An MoU between IRNCID, GECID and German History Water Association (AWHG) was signed
- Winner of Best Paper Award 2007 was declared
- Retiring Chairs of workbodies were honoured
- Exhibitions involving more than 40 firms were arranged
- Post conference technical tours starting from 6-10 October 2007 were organized
- Over 450 delegates from 35 countries participated in the 58th IEC and other allied events



# 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. Mark Svendsen (USA)  
2005-2008



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



Dr. Gao Zhanyi (China)  
2005-2008



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



Dr. Karim Shiati (Iran)  
2006-2009



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

## NEWLY ELECTED VICE PRESIDENTS IN 2007



Prof. Dr. Peter Kovalenko (Ukraine)  
2007-2010



Dr. A. Hafied A. Gany (Indonesia)  
2007-2010



Dr. Illahi B. Shaikh (Pakistan)  
2007-2010

## VICE PRESIDENTS WHO RELINQUISHED IN 2007



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



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



Dr. Georgi Georgievich Guluyk (Russia)  
2004-2007

# New Office Bearers



## Prof. Peter Kovalenko (Ukraine)

Prof. Peter Kovalenko possesses M.Sc. in Hydraulic Engineering (Irrigation and Drainage, 1962); and Ph.D. in Engineering Science (Irrigation and Drainage, 1970). At present, he is working as Director of the Institute for Hydraulic Engineering and Land Reclamation, Ukraine. Prof. Kovalenko is Vice-Chairman of WG-ON-FARM, member of ERWG and Chairman of the European Work Team on Sustainable Irrigation Management, besides being President of the Ukraine National Committee of ICID (UKCID).

He has participated in numerous ICID IECs and Congresses. His work experience includes (i) Head of Department of Water Distribution Management Engineer, Ukraine State Institute of Designing of Water Economy (1962-1974); (ii) Director of the Institute for Hydraulic Engineering and Land Reclamation (1974 till date); (iii) Chief of the Branch for Agriculture, Ukraine Academy for Agrarian Sciences (1996-2006); and (iv) Member of the Presidium, Ukraine Academy for Agrarian Sciences (2006 till date). He has supervised 32 Ph.D. and 3 D.Sc. candidates, besides publishing more than 300 scientific papers including 15 monographs and 20 patents.

## Dr. A. Hafied A. Gany (Indonesia)

Dr. A. Hafied A. Gany obtained his M.Sc. from University of Southampton, UK (1979); and Ph D. from Columbia Pacific University, USA (1982). At present, he is working as Senior HRD Advisor, Ministry of Public Works, Republic of Indonesia. Dr. Gany is a member of WG-HIST since 2005 besides being Secretary General of Indonesian National Committee of ICID (INACID, 1993-1999) and President of INACID since 1999. He has participated in numerous ICID IECs and Congresses. Previously Dr. Gany was Director of Water Resources Management and Conservation, Ministry of Public Works (1995-1999); Deputy Director General of Water Resources Development (1999-2000); Assistant Deputy of Water Resources Protection and Conservation, State Ministry of Public Works (2000-2001); Director of Research Institute for Water Resources (2001-2002) and Executive Secretary of the Directorate General of Research and Development, Ministry of Public Works (2002-2003). Government of Indonesia awarded him 'Presidential Award' in 1996 for his 30 years of outstanding services to the government and in 1999 for National Development Contribution.



## Dr. Illahi B. Shaikh (Pakistan)

Dr. Illahi B. Shaikh obtained Ph.D. in Water Resources Management, Masters in Business Administration (MBA) and B.Sc. in Civil Engineering. At present, he is working as Chief Engineering & Adviser/Chairman Federal Flood Commission, Government of Pakistan. Dr. Shaikh is a Convener of C-CONGR and member of WG-ENV, WG-HIST and WG-CAFM, besides Chairman of Pakistan National Committee on Irrigation and Drainage (PANCID). He has participated in numerous ICID IECs and Congresses. Dr. Shaikh has over 33 years of experience in the field of Project Management, Coordination, Planning and Supervision of Medium size and Mega Projects in Public and Private Sector. His work experience includes : Civil Engineer at Community Maintenance Development Corporation; Civil Engineer at Community Maintenance Department ARAMCO Dhahran, Saudi Arabia; Project Director at Sea Water Pump House (Mini Barrage), Karachi; Chief Engineer / Federal Coordinator for 10 years on the Flood Projects of Pakistan; Secretary Federal Flood Commission, Ministry of Water and Power, Pakistan; Federal Coordinator National Drainage Programme and Pakistan Commissioner for Indus Water; Engineering Advisor (Civil) Ministry of Water and Power, Islamabad; and Federal Coordinator for a Mega Project of Irrigation and Drainage Programme.

ICID fraternity extends a warm welcome to Prof. Peter Kovalenko, Dr. A. Hafied A. Gany and Dr. Illahi B. Shaikh - the newly elected Vice Presidents of ICID. ICID also expresses its thanks and appreciation to Dr. YooMan HUH (Korea), Dr. Hussein El-Atfy (Egypt) and Dr. G.G. Guluyk (Russia) - the outgoing Vice Presidents, for their valuable contribution and support during their tenure in ICID.

# ICID Workbodies

## MANAGEMENT BOARD

### Mandate

The Management Board (MB) is responsible with the Central Office (CO) 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.

**Chairman :** Mr. Peter S Lee, President, ICID (UK).

**Members :** (1) VPH Prof. Hector M. Malano (Australia), Chairman, PCTA; (2) VPH Dr. Chandra A. Madramootoo (Canada), Chairman, PFC; (3) VP Dr. Gao Zhanyi (China), Chairman, PCSPOA and (4) Er. M. Gopalakrishnan, Secretary General, ICID.

## Management Team for ICID Journal

### Mandate

The Management Team for ICID Journal (MT-JOUR) 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) PH Bart Schultz, Chairman and Convener (The Netherlands); (2) Ir. Paul van Hofwegen (The Netherlands); (3) VPH Dr. Chandra A. Madramootoo (Canada); (4) VPH Larry D. Stephens, Chairman, C-PR&P (USA) and (5) Er. M. Gopalakrishnan, Secretary General, ICID.

## STAFF COMMITTEE

### Mandate

The Staff Committee (SC) shall review and formulate the work procedures and the staff structure of the CO 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 (UK); (2) VPH Dr. Chandra Madramootoo, Chairman, PFC; (3) Mr. B.S Ahuja Chairman, INCID upto 11 October 2007 since then Mr. A.K. Bajaj and (4) Er. M. Gopalakrishnan, Secretary General, ICID.

## Screening Committee

### Mandate

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

**Members :** (1) Er. M. Gopalakrishnan, Secretary General, ICID – Chairman; (2) Chairman, INCID or his representative – Member; and (3) One Scientist/Engineer of a Level of Joint Secretary or higher in the Government of India – Member.

## OFFICE BEARERS COMMITTEE

### Mandate

The Office-Bearers Committee (OBC) 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, orientation and overall functioning of ICID. One of the primary duties is to make recommendations for filling the vacancies among Office Bearers.



**Mandate:** The Permanent Finance Committee (PFC) 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) VPH Prof. Dr. Chandra Madramootoo, Chairman (Canada, 2006); (2) VPH Dr. Saeed Nairizi, Vice Chairman (Iran, 2006); (3) Dr. K. Palanisami, Secretary (India, 2005); (4) Dr. Ing. Stefano Salbitani (Italy, 2003); (5) Dr. A.V. Kolganov (Russia, 2003); (6) Dr. Laszlo G. Hayde (Hungary, 2004); (7) Prof. Dr. Kinji Ohashi (Japan, 2004); (8) VPH Dr. Alain Vidal (France, 2006); (9) Mr. Syed Raghieb Abbas Shah (Pakistan, 2006); (10) Dr. James Ayars (USA, 2007); (11) VP Dr. Gao Zhanyi (China, 2007) and (12) Er. M. Gopalakrishnan, Secretary General, ICID.

**Activities carried out :** PFC held its 28th meeting on 30 September 2007 at Sacramento in which 11 members and 7 observers (including present and past office bearers) belonging to 13 countries (Canada, Iran, USA, Italy, China, Russia, Japan, Hungary, France, Pakistan, India, UK and Nigeria) were present.

An extensive discussion was conducted on the internal review undertaken by the "Special Committee to Review the Revenue and Cost Options to Improve ICID's Finances". The Committee concluded that an increase in revenue was absolutely required to sustain the operations of the Commission. The PFC also discussed the idea of inclusion of corporate participation in ICID; providing specialized web-based services for the private sector; receiving revenue from enhanced Text Delivery Services (TDS) etc. to create larger participation base in the ICID activities. It also deliberated all the revision of annual subscriptions by ICID NCs. In the meeting, it was decided for a uniform increase of 3% in the subscription amount of NCs on annual basis, 50% of registration fees from Congress and 15% of registration fees from IECs so as to sustain the ICID budget.

## PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES

**Mandate:** The Permanent Committee for Technical Activities (PCTA) shall be concerned with all the technical activities of the Commission including 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) VPH Prof. Hector Malano, Chairman (Australia, 2005); (2) Mr. Bruno Molle, Vice Chairman (France, 2006); (3) VPH Larry D. Stephens, Secretary (USA, 2003); (4) VPH R. Jeyaseelan (India, 2004); (5) VPH Dr. Hussein Ehsan El-Atfy (Egypt, 2005); (6) Prof. Daniele De Wrachien (Italy, 2005); (7) Dr. Yohei Sato (Japan, 2005); (8) Dr. Nikoley G. Kolvanov (Russia, 2007); (9) Mr. Hassan B. Yuksel (Turkey, 2007) and (10) 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) Programme Manager, IPTRID.

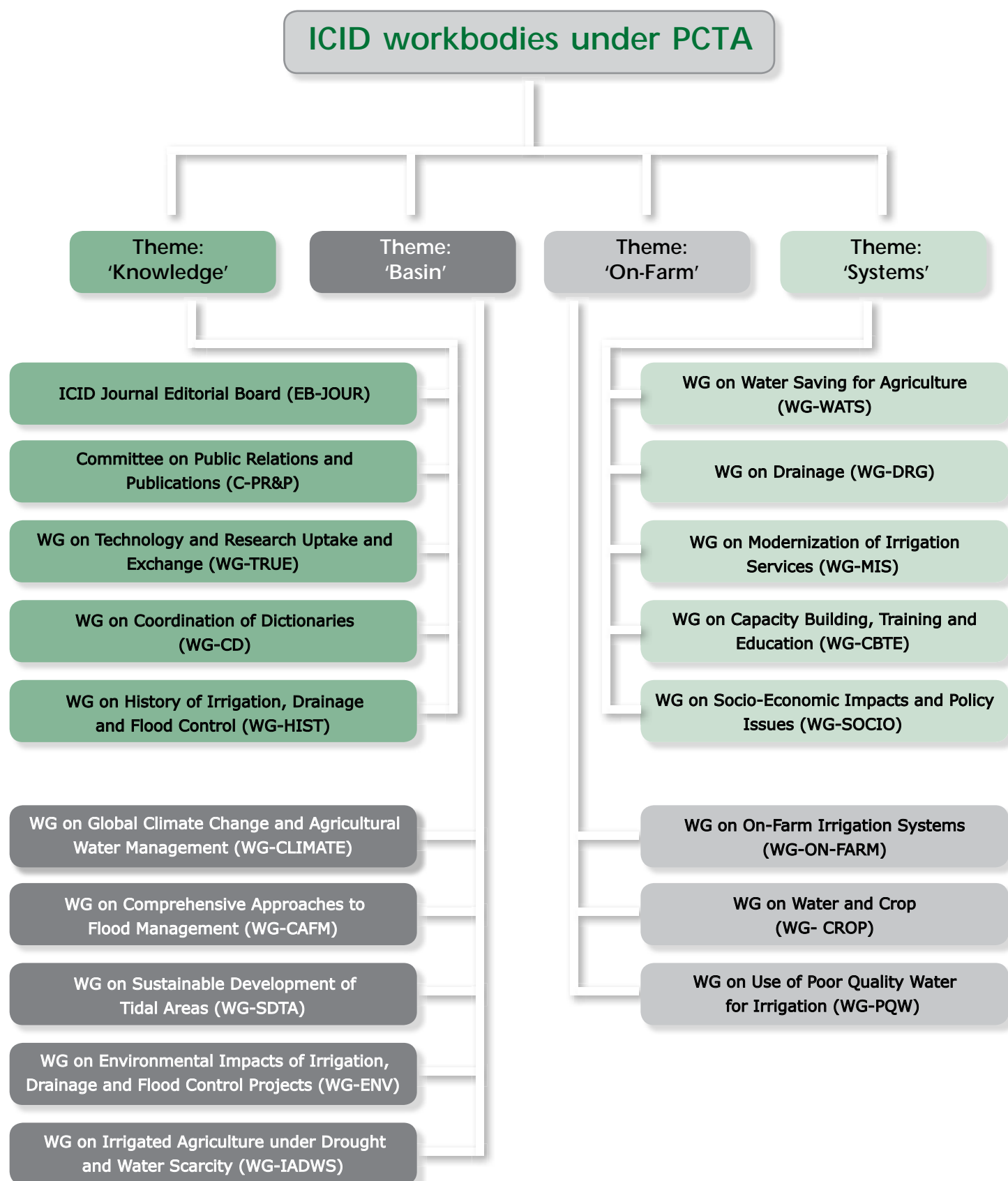
**Ex-Officio Members :** (1) All strategy theme leaders; and (2) Chairpersons of all workbodies under PCTA.

**Activities carried out :** PCTA held its 27th meeting on 3 October 2007 at Sacramento in which 8 members and 27 observers (including permanent observers and ex-officio members) belonging to 12 countries (Australia, France, USA, Russia, India, Italy, Japan, Iran, The Netherlands, UK, South Korea and China) attended.

In the meeting, it was suggested that the role of Strategy Theme Leaders in defining the mandates of workbodies needed to be reviewed and classified. It was informed that the meetings between the Theme Leaders and the Chairpersons of the workbodies under each theme should become interactive so as to facilitate the Theme Leaders to make their recommendations and directions regarding new workplan/mandate and corresponding activities that are to be taken up by the workbodies concerned.

Dr. W. F. Vlotman presented the synthesis reports of the four themes on Knowledge, Basin, Systems and On-Farm provided by the respective Theme Leaders covering individual reports of all the technical workbodies concerned. While concluding President Peter S. Lee suggested that the issue of Safety and Multiple Use of Systems may be appropriate for consideration as a priority topic not only by the workbodies under a particular theme but also by all the workbodies of ICID.

# ICID Workbodies



### 1.1 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 and
- To review guidelines for authors, manuscript reviewers and book reviewers and liaise and coordinate with ICID workbodies.

#### Members (Editorial Team)

##### Chairman

(1) PH. Prof. dr. Bart Schultz (The Netherlands, 2002)

##### Joint Editor

(2) Prof. Ir. Paul van Hofwegen (The Netherlands, 2001); (3) VPH Prof. Hector Malano (Australia, 2008 onwards); and (4) Dr. Nick C. van de Giesen (The Netherlands, 2008 onwards)

##### Editor Emeritus

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

##### Associate Editors

(6) VPH Prof. Dr. R. Nakamura (Japan, 2001); (7) Dr. Bryan P. Thoreson (USA, 2001); (8) Prof. Dr. James Murray de Jagar (South Africa, 2003); (9) Mrs. Isabelle M. Proulx (Canada, 2003); (10) Prof. (Mrs.) Ir. Indreswari Guritno (Indonesia, 2004); (11) Dr. Benjamin de Leon Mojarro (Mexico, 2005); (12) Mr. Bernard Préfol (France, 2005) up to 11 October 2007 and Mr. Melvyn G. Kay (UK, 2001) up to 11 October 2007 and VPH Dr. Henri Tardieu (France, 2007) subsequently.

##### Members

(13) VPH Larry D. Stephens (USA, 2001); (14) VPH Prof. L.S. Pereira, (Portugal, 2001); (15) Prof. Daniele de Wrachien (Italy, 2001); (16) PH. Ir. Keizrul bin Abdullah, (Malaysia, 2001); (17) VPH Dr. S. Nairizi (Iran, 2001); (18) VPH Ing. Manuel Contijoch Escontria (Mexico, 2001); (19) Dr. C. Perry (UK, 2001); (20) VPH Prof. E.U. Nwa (Nigeria, 2001) up to 11 October 2007; (21) Dr. Arum Kandia (USA, 2001) up to

11 October 2007; (22) Dr. Muhammad Latif (Pakistan, 2002); (23) VPH Prof. Kwun, Soon-Kuk, (Korea, 2003); (24) Prof. Dr. Joachim Quast (Germany, 2004); (25) Prof. Y.C. Tan (Chinese Taipei, 2006); (26) Dr. Bruce Lankford (UK, 2007); (27) Prof. Dr. Jinzhong Yang (China, 2007) and (28) Dr. Vijay K. Labhsetwar (ICID, CO).

#### Activities carried out :

EB-JOUR held its 14th meeting on 2 October 2007 at Sacramento in which 12 members and 2 observers belonging to 11 countries (The Netherlands, Japan, USA, Canada, South Africa, Italy, Malaysia, Iran, South Korea, Germany, and France) participated.

Dr. Jinzhong Yang (China) and Dr. Bruce Lankford (UK) were confirmed as new members of the EB-Journal. VPH Dr. Hector Malano (Australia) and Prof. Nick van de Giesen (The Netherlands) were identified as Joint Editors and VPH Dr. Henri Tardieu (France) as Associate Editor with the special assignment to screen the French resumes. Mr. Bernard Préfol (France) and Mr. Melvyn G. Kay (UK) have desired to withdraw from the Associate Editor's role while VPH. Prof. E.U. Nwa (Nigeria) and Dr. Arum Kandia (USA) from the Member's role. EB-JOUR agreed to their desire and expressed its greatest appreciation and thanks for their devoted and voluntary work carried out for the EB-JOUR.

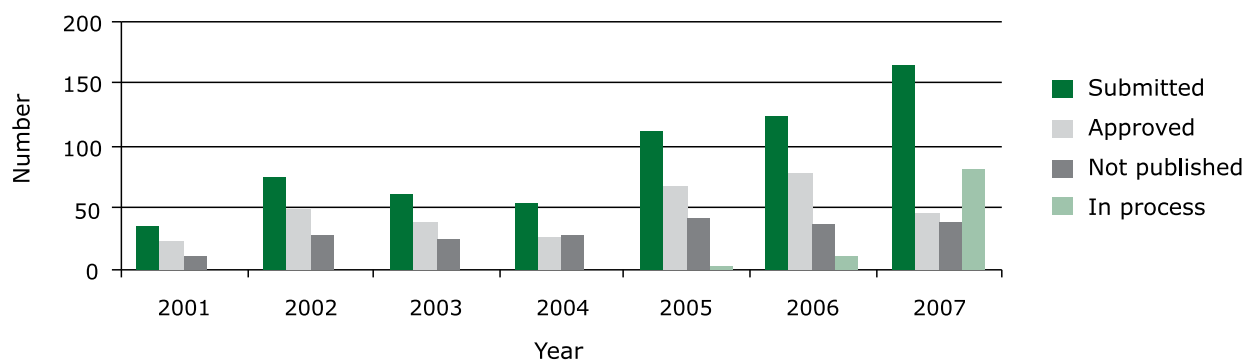


PH Prof. Bart Schultz, Chairman, EB-JOUR

that in 2007 five issues of the Journal covering a total article of 156 authors originating from 35 countries/committee were published on time. About 164 papers have been submitted, which is substantially more than the previous years partly caused due to the two Special Issues made namely (1) on "Drainage" at the occasion of the 25th anniversary of the ICID WG-DRG and (2) on "Irrigation and Poverty Alleviation". By the end of the year 2007, 89 papers were in the review process and 44 were ready for publication.



## Details on yearwise submission of papers and their status on processing



## Details on publications of I&D Journal (1 April 2007 to 31 March 2008)

Issue	Number of papers	Pages	Additional	Publication date
56.2-3	18	365	Special Issue: Irrigation and Poverty Alleviation: Pro-poor intervention strategies in irrigated agriculture	April-July 2007
56.4	9	123	-	October 2007
56.5	9	128	-	December 2007
56-Supplement 1	20	258	Special Issue: Drainage – An essential element of integrated water management – 25th Anniversary of the ICID Working Group on Drainage	December 2007
57.1	9	116	-	February 2008

The special issue on 'Irrigation and Poverty Alleviation' had been published in close cooperation with IWMI and INPIM. The guest editors of the special issue on 'Drainage' were Dr. W. F. Vlotman (Australia) and VPH Prof. Chandra Madramootoo (Canada). The other two special issues under preparation are—(i) Capacity Building for Agricultural Water Management (2008) in cooperation with the ICID Working Group on Capacity Building; and (ii) Water, Food and Agriculture for the occasion of WWF 5 scheduled in Istanbul, Turkey in March 2009 (for more details on ICID Journal, please see page 56).

### 1.2 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 communication 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 publication 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; public relations for publications, recommendations on subsequent publications of ICID.

## Members

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

## Ex-Officio Member :

(1) Mr. Satit Maneepai (Thailand).

## Activities carried out:

C-PR&P held its 16th meeting on 1 October 2007 at Sacramento in which 8 members belonging to 6 countries (USA, UK, The Netherlands, Chinese Taipei, India and Iran) attended.



VPH Larry D. Stephens, Chairman, C-PR&P

In the 16th C-PR&P meeting, the Management Board, ICID recommended that the Committee should continue as earlier and review ICID Newsletter and ICID website offering suggestions to ICID CO for further improvement. President Peter S. Lee asked the C-PR&P to involve itself in reviewing the Newsletter and offer 'continuing suggestions' to improve its quality.

Secretary General tabled the Annual Report and informed that the report was circulated to all NCs and a limited number of external members. The Committee felt that ICID could circulate additional copies of the Annual Report upon receiving requests. The Committee was informed that additional copies of 5, 10 and 12 copies respectively were requisitioned by NCs of India, Australia and Philippine and their requests were responded.

President Hon. Bart Schultz suggested that news from News Update be published on the ICID website in the form of a brief coverage of one paragraph. Chairman, INCID mentioned that professionals not affiliated with ICID be also given opportunity to receive the ICID Newsletter upon request.

UK National Committee (ICID.UK) demanded for 140 copies of the Newsletter so as to help them to pass on to the members with their own Newsletter. At the same time, the Australian



Chairman, INCID (L) and Secretary General, ICID

National Committee (ANCID) asked for Newsletter link so as to project the same on their website that receive more than 5,000 hits in a month.

ICID publications (which are being processed) other than regular one were noted. These were :

- Agendas/Minutes of 59th IEC;
- Report of ICID Task Force for Least Developed Countries in Asia (TF-LDCsAS);
- Transactions – 20th Congress on Irrigation and Drainage, 13-18 October 2008, Lahore, Pakistan, and CD-ROMs;
- Irrigation under Drought and Water Scarcity' (to be brought out by erstwhile WG-IADWS);
- Towards Sustainable Development of Tidal Areas: Some Principles and Experiences' (to be brought out by WG-SDTA);
- CD-ROM version of the revised Multilingual Technical Dictionary (to be brought out by WG-CD);
- Innovative technologies and management for water saving in irrigated agriculture (to be brought out by Central Office);
- Manual for performance evaluation of sprinkler and drip irrigation systems in different agro-climatic regions of the world (to be brought out by CO);
- History of Irrigation, drainage and flood control in Eastern Asia (WG-HIST);
- History of irrigation, drainage and flood control in Southern Europe and the Mediterranean (WG-HIST) and
- Inter-basin water transfer: Global experiences – Analyses and recommendations (TF-IBWT)

The Committee took a review of the sale record of ICID publications, ICID congress transactions and ICID Journal and the establishment of ICID/ Workbodies websites. The revision of around 30 ICID publications published before 2000 was also undertaken. Some of the publications were well received by various NCs and stakeholders. As the publications are not revised after their first release and are in demand, the Committee recommended that ICID Workbody Chairs be

informed to review the ICID publications and make suitable recommendations.

### 1.3 Working Group on Technology and Research Uptake and Exchange (WG-TRUE)

#### Mandate

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

#### Members :

(1) Prof. L. Vincent, Chairperson, 2007 (The Netherlands, 1995); (2) Dr. (Mrs.) Shaden Abdel-Gawad, Vice Chairperson, 2007 (Egypt, 2001); (3) Dr. John A. Replogle, Secretary, 2007 (USA, 1999); (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) Mr. Sietan Chieng (Canada, 2001); (9) Dr. (Mrs.) Irene Bondarik (Russia, 2001); (10) Prof. Jiesheng Huang (China, 2003); (11) Prof. J.G. Annandale (South Africa, 2003); (12) Prof. Yuanhua Li (China, 2003); (13) Mr. S.K. Chaudhuri (India, 2003); (14) Mr. Geoff Pearce (UK, 2003); (15) Mr. Ezzatollah Farhadi (Iran, 2005); (16) Dr. K. Palanisami (India, 2005); (17) Dr. Mohammud Che Husain (Malaysia, 2005); (18) Mr. Stephens Mills (Australia, 2005); (19) Dr. Yohei Sato (Japan, 2005); (20) Mr. S.A. Assadollahi (Iran, 2006); (21) Mr. Ian William Makin (UK, 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) IWMI Representative; (5) President Peter Lee, Chairman, CG-IPTRID, UK and (6) Mr. Campoare Moussa Laurent, (ARID-Burkina Faso)

#### Activities carried out:

AC-IPTRID & WG-R&D held its 2nd combined meeting on 2 October 2007 at Sacramento in which 9 members and 13 observers (including permanent observers) belonging to 14 countries (Australia, Egypt, USA, Iran, Italy, Malaysia, Japan, France, South Africa, India, Canada, The Netherlands, UK and Chinese Taipei) participated.

During the 2nd combined meeting, the Group decided to work as a merge Group. The new name selected for the merge Group is "Working Group on Technology and Research Uptake and Exchange (WG-TRUE). Prof. L. Vincent (The Netherlands) was selected as Chair, Dr.

(Mrs.) Shaden Abdel-Gawad (Egypt) as Vice Chair and Dr. John A. Replogle (USA) as Secretary.

The erstwhile AC (IPTRID) came up with suggestions that a two-way flow of information and development of a programme based on documentation of (i) research uptake process in at least two countries (Africa and Asia); (ii) irrigation and drainage technological innovations and adoptions in two countries (Asia and Africa); and (iii) a joint IPTRID-ICID publication on value of technology and research uptake in developing countries. Joint policy briefs based on research and development results in selected countries were also suggested. The erstwhile WG-R&D proposed the following :

1. The value of R&D in irrigation and drainage practice, and benefit back to research
2. Cooperation between key organizations supporting and undertaking research and innovation
3. Outreach, communication and research up-take
4. Improved understanding of research and innovation processes
5. Better use of research models and data in capacity building, system design and water management practice – moving between theory and practice, and vice versa and
6. Finance of research and innovation.

### 1.4 Working Group on Coordination of Dictionaries (WG-CD)

#### Mandate

- To encourage 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 on all sections of the MTD.

#### Members :

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

#### Observers / Permanent Observers :

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

#### Activities carried out:

WG-CD held its 10th meeting on 30 September 2007 at Sacramento in which 2 members and 3 observers belonging to 4 countries (France, India, Pakistan and Chinese Taipei) participated.





Mr. Bruno Molle, Chairman, WG-CD

At the 10th meeting of the WG-CD held on 30 September 2007 in Sacramento, USA, it was decided that the four Chapters not reviewed by the experts will be retained in the existing form in the revised version of the Dictionary on CD-ROM. The other 21 Chapters have since been revised extensively. The translation into French of the modified and additional terms and definitions is currently in the process. The translation work is being supervised by the Chairman of the WG-CD, Mr. Bruno Molle. The Central Office has compiled all the Chapters and the suggestions and modifications recommended by the experts. The revised version of the Dictionary on CD-ROM is expected to be published during the 59th IEC meeting in Lahore in October 2008.

## 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) VPH 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) VP 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) VP Dr. Hafied A. Gany (Indonesia, 2005); (17) Mr. Charles L. Abernethy (UK, 2005); (18) Dr. Ing. Klaus

Roettcher (UK, 2006); (19) Prof. Wen-Pin Shu (Chinese Taipei, 2006); (20) Dr. Jeong-Woo, Na (Korea, 2007) and (21) Er. M. Gopalakrishnan, Secretary General, ICID.

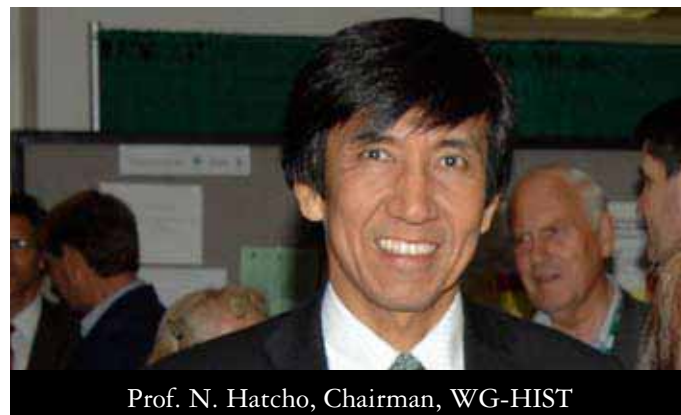
### Observer :

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

### Activities carried out:

WG-HIST held its 10th meeting on 30 September 2007 at Sacramento in which 12 members and 3 observers belonging to 13 countries (Japan, The Netherlands, Spain, China, Korea, Pakistan, Hungary, Croatia, Indonesia, UK, Germany, Chinese Taipei and Malaysia) participated.

During the meeting, it was decided to change its name and enlarge its set of objectives and work plan. The Group reviewed the progress made on the proposed publications of “History of Irrigation in Eastern Asia”, “History of Irrigation, Drainage and Flood Control in Southern Europe and Mediterranean” and preparation of History Chapters related to the NCs of Sri Lanka and USA.



Prof. N. Hatcho, Chairman, WG-HIST

Cooperation with international water related organizations of IWhA and UNU was one of the discussion topics. The possibilities of developing appropriate methods which could be deployed in modern water management systems in collaboration are to be explored with German Water Historic Association (DWhG). A MoU between the NCs of Iran and Germany and DWhG was signed during the 58th IEC meeting. WG-HIST organized an International History Seminar at Tehran in conjunction with the 4th Asian Regional Conference (2-5 May 2007) on the theme “Lessons to Learn from the Historical Development and Management of Water in Arid and Semi-Arid Regions”. A second one focusing on theme, “Water and Town” was organized in coordination with the European Regional Working Group and the Italian National Committee of ICID during its 22nd European Regional Conference in Pavia, Italy (2-6 September 2007).

The WG also proposed three more seminars during the forthcoming events like (i) 20th ICID Congress and 59th IEC in Lahore (Pakistan) in October 2008, (ii) 5th World Water Forum in Istanbul (Turkey) in May 2009 and (iii) 61st IEC meeting in Yogyakarta (Indonesia) in September 2010.

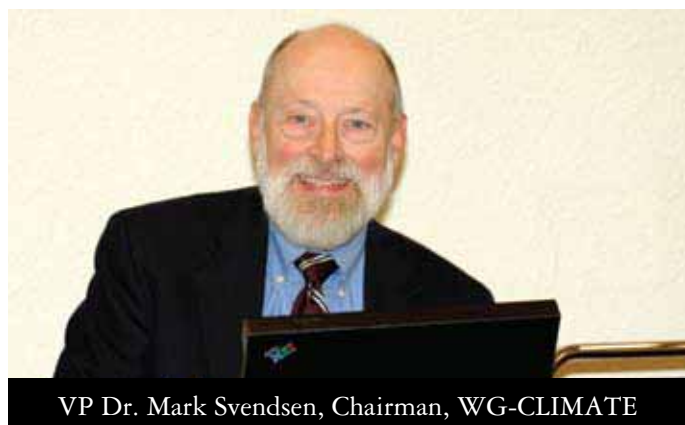
### 2.1 Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE)

#### Mandate

- To review the progression of and predictions for Global Climate Change (GCC) and climate variability;
- To explore and analyze the medium-term implications of climate change and climate variability for irrigation, drainage, and flood control;
- To stimulate discussion and raise awareness of water-related GCC issues within the ICID family;
- To stimulate discussion at national scales among scientists, policy makers, and, through the media, the general public on GCC and water; and
- To join the international dialogue on GCC and water

#### Members

(1) VP Dr. Mark Svendsen, Chairman (USA, 2006); (2) Dr. Tsugihiko Watanabe, Vice Chairman (Japan, 2006); (3) Prof. Roland E Schulze, Secretary (South Africa, 2006); (4) VPH Dr. H. Tardieu (France, 2006); (5) VP Dr. Karim Shiati (Iran, 2006); (6) VPH Dr. André Musy (Canada, 2007); (7) Mr. Ray Shyan Wu (Chinese Taipei, 2007); (8) Dr. Kim Russell (Australia, 2007); (9) Ms Nurgül Üzücek (Turkey, 2007); (10) Dr. Krishna Kumar Kanikicharla (India, 2007) and (11) Er. M. Gopalakrishnan, Secretary General, ICID.



VP Dr. Mark Svendsen, Chairman, WG-CLIMATE

#### Observers/Permanent Observers :

(1) Mr. Avinash C. Tyagi, WMO; (2) Dr. Claudia Ringler, IFPRI; (3) IWMI Representative and (4) FAO Representative.

#### Activities carried out:

WG-CLIMATE held its 2nd meeting on 30 September 2007

at Sacramento in which 9 members and 34 observers (including permanent observers) belonging to 18 countries (USA, Japan, Australia, France, Iran, Chinese Taipei, Canada, Turkey, India, Spain, Germany, Pakistan, UK, China, Estonia, Finland, Italy and South Africa) were present.

WG's primary function is to share information and knowledge among countries, scientific communities and managers. At the Sacramento meeting, it was proposed to revise the name of the working group as "Global Climate Change and Agricultural Water Management". During the Sacramento meeting, the following presentations were made:

- Dr. Avinash Tyagi (WMO) gave an introductory presentation highlighting the Concerns and Phases of Global Climatic Change
- Dr Paul Van Hofwegen (WWF) gave a presentation on the WWF 5 to be held in Istanbul Turkey from 15-22 March 2009 highlighting the features of the forum and possible contributions that can be made from ICID
- Dr. Tsugihiko Watanabe (Japan) gave information on a research project "Innovative Approach to Integrated Assessment of Climate Change Impacts on Agriculture", being carried out in the Seyhan River Basin of Turkey, from April 2002 to March 2007 in cooperation with TÜBİTAK -The Scientific and Technological Research Council of Turkey

The newly elected members namely VPH Dr. André Musy (Canada), Dr. Ray-Shyan Wu (Chinese Taipei), Mr. Kim Russell (Australia) and Ms. Nurgül Üzücek (Turkey) also made brief presentations highlighting their experience and field of interest.

### 2.2 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) - upto 11 October 2007 and VP Dr. Illahi B. Shaikh, Chairman

subsequently (Pakistan, 2001); (2) Prof. J.L. Montanes, Secretary (Spain, 1987); (3) Mr. V.C. Ballard (Australia, 1992); (4) Dr. Takeshi Hata (Japan, 1993); (5) Dr. Lajos Szlavik (Hungary, 1996); (6) Prof. M.F. Viljoen (South Africa, 1997); (7) Mr. P. Burrows (UK, 1999); (8) Dr. K. Emami (Iran, 1999); (9) Mr. Jin Soo Kim (Korea, 2000); (10) Prof. Josip Petras (Croatia, 2002); (11) Mr. Ahmet Seren (Turkey, 2006); (12) Mr. Maurice Roos (USA, 2006); (13) Prof. dr. Franc Steinman (Slovenia, 2006); (14) Mr. A.K. Ganju (India, 2007) (15) Ir. Jos van Alphen (The Netherlands, 2007) and (16) Er. M. Gopalakrishnan, Secretary General, ICID.

### Permanent Observers :

(i) FAO Representative; (ii) UNDRO Representative; (iii) WMO Representative and (iv) World Bank Representative.

### Activities carried out:

WG-CAFM held its 22nd meeting on 1 October 2007 at Sacramento in which 12 members and 6 observers (including permanent observers) belonging to 13 countries (The Netherlands, Spain, Australia, Japan, South Africa, India, South Korea, Pakistan, Croatia, Turkey, USA, Slovenia and France) assembled.



Mr. Dick de Bruin, Chairman, WG-CAFM

The paper on “The Management of Riverine Floods” prepared by Messrs P. Burrows (UK) and Dick de Bruin (The Netherlands), which was first presented at the World Water Forum in Mexico (2006) and later on published in a special issue of the ICID journal (Issue 55 Supplement 1, 2006) had been circulated amongst the NCs (2007). Modifications have been carried out incorporating the comments/suggestions received. The paper has now been accepted by the 58th IEC held at Sacramento, USA as ICID position paper on floods.

The WG also organized a half-day workshop on 3 October 2007 where seven presentations were made. Another workshop on “Flood Management: Flood Monitoring and Early Warning” is being planned to be held during Lahore meetings in October 2008. Mr. Bashir Ahmad has been appointed as the co-coordinator of the Workshop.

Dr. Emami (Iran) prepared a short report on “Value Engineering to Irrigation and Drainage” and tabled it for consideration. The WG proposed to endorse the suggestion from him for the creation of a new TF on Value Engineering, Asset Management and Maintenance.

## 2.3 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 and
- 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 (UK, 2002); (3) Ir. Henk P. Ritzema, Secretary (The Netherlands, 2002); (4) VPH Prof. Cai Lingen (China, 2002); (5) Dr. Indreswari Guritno (Indonesia, 2002); (6) Mr. E.J. James (India, 2002); (7) Dipl. Ing. Bernd Probst (Germany, 2003); (8) Mr. Ueda Kazumi (Japan, 2003) (9) Dr. Ruey-Chy Kao (Chinese Taipei, 2007); (10) Mr. Tech Wang Chaw (Malaysia, 2007) and (10) Er. M. Gopalakrishnan, Secretary General, ICID.

### Observers

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

### Activities carried out:

WG-SDTA held its 6th meeting on 1 October 2007 and 4th Workshop on SDTA on 4 October 2007 at Sacramento. Four members and 14 observers belonging to 6 countries (South Korea, Malaysia, Indonesia, Japan, The Netherlands and Chinese Taipei) were present.

The topics/papers considered for the SDTA workshop were:

- An ICID Position Paper on Development of Tidal Area: Some Principles and Issues towards Sustainability- members of WG-SDTA;
- Aspect of Managing Development of Tidal Areas – Dr. Park Sang Hyun (Korea, Rep. of);
- Engineering for Sustainable Development of Tidal Areas- Dr. Kazuaki Hiramatsu (Japan);
- Catchment Water Quality Management Planning-Dr. Joong-Dae Choi (Korea, Rep. of);
- Case study: Estimating supplement water in Yeong-San reclamation District- Wook-Jong Ju, young Su Kim (Korea, Rep. of);



- Case study: Amenity Use of Sea dike space in Saemangeum Tidal reclamation Project- Mr Lee Bong-Hoon (Korea, Rep. of);
- Sustainable Development of Saemangeum Project- Dr. Na, J.W, Dr. Lee YONG Jig (Korea, Rep. of) and
- Model study on coastal process in Taiwan-Dr. Ruy-Chy Kao (Chinese Taipei).

As far as the publication of the Handbook on SDTA is concerned, the WG members were requested to commit themselves in preparing specific chapters/sections of the Handbook. Dr. Ruey-Chy Kao (Chinese Taipei) agreed to be the new Editor of Chapter 3 and Chapter 4 with support from Dr. E.J. James (India) and Mr. Teoh Weng Chaw (Malaysia). The Japanese WT organized a Seminar on SDTA on 28 and 29 March 2007 to discuss the editing plans of the Handbook. Dr. Masayuki Imaizumi became the new author for the sub-chapter 4.7. The WT has shown interests in preparing sub-chapters especially of 3.3, 3.4, and other subchapters too. A workshop on 'Sustainable Paddy Farming in Asian Monsoon Region' was jointly organized by ICID WG-SDTA and Korean National Committee of INWEPF during 1-3 July 2007 at Ansan, Korea. During the interim meeting of the WG-SDTA held in July 2007 at Korea, J. Simm and H. Ritzema developed a questionnaire to review the results of Chapter editions. China has arranged the translation of its Chinese Handbook dealing with Tidal Areas.

The final draft publication will be circulated to all NCs before proposing it to IEC.

## 2.4 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,
- To identify the major environmental problems as addressed by each country, and effects of irrigation and drainage on the natural environment, flora, fauna and human beings and
- To recognize the project/site specific nature of the problem, to provide guidance to project designers and managers in identifying and minimizing 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 (The Netherlands, 2005); (4) Mr. Barkat Hadid (Syria, 1991); (5) Dr. Smiljan Juvan (Slovenia, 1995); (6) Dr. Shaden Abdel Gawad (Egypt, 1996); (7) VP Dr. Eiko Lubbe (Germany,

1997); (8) Prof. Almeida Fernandez (Portugal, 1997); (9) Mr. Mohammed Kazem Siah (Iran, 2000); (10) Mr. Osmo Antero Purhonen (Finland, 2002); (11) Mr. Stefano Salbitani (Italy, 2003); (12) Dr. Choi, Joong-Dae (Korea, 2003); (13) Mr. Belguenani Hassane (Morocco, 2003); (14) Prof. Dr. Natha Hungspreug (Thailand, 2003); (15) VPH Dr. Jose A. Ortiz Fdz.-Urrutia (Spain, 2005); (16) Dr. Dennis Wichelns (USA, 2005); (17) VP Dr. Illahi B. Shaikh (Pakistan, 2006); (18) Prof. Dr. N. Hachko (Japan, 2006); (19) Dr. Serge Marlet (France, 2006); (20) Mr. Taner Kimence (Turkey, 2006) and (21) 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) VPH Dr. H. El-Atfy, Egypt and (7) VPH Prof. Hector Malano, Australia.

### Activities carried out:

WG-ENV held its 22nd meeting on 2 October 2007 at Sacramento in which 11 members and 13 observers (including permanent observers) belonging to 16 countries (China, Chinese Taipei, The Netherlands, Slovenia, Egypt, Finland, Italy, South Korea, Spain, Japan, India, France, USA, UK, Canada and Chad) were present.

During the 22nd meeting, the WG-ENV conducted its first meeting-cum-workshop sessions sparing 1 hour for the meeting session and 2 hours for the workshop sessions. In the meeting, it was decided to wound up the WG-ENV in 2009, complete the pending tasks, constitute a Successor Group and prepare a position paper. Under the workshop sessions, 8 papers (touching on the pending issues related to the mandated tasks of WG-ENV) were selected and presented :

1. An introduction to Three Gorges Project and It's Environmental Aspects by Dr. Hu Heping (China);
2. Brief on environmental impact of large dams by Dr. Illahi B. Shaikh (Pakistan);
3. A brief on a Workshop organized by TWCWM, IHA with support from Arab Water Council, Arab Fund for ESD, Ministry of WRI of Egypt, IWRA and ICID in February 2007 at Cairo, Egypt, by Er. M. Gopalakrishnan, Secretary General, ICID;
4. The Impacts of Drainage Projects on the Environment in Egypt, by Ghada G. El-Refaie (Egypt);
5. Non-Point Source Pollution Loads from Selected Agricultural Land Uses in Korea, by J. Choi (South Korea);
6. Multi-functionalities of paddy fields and multiple uses of agricultural water, by N. Hachko (Japan);
7. Pontine land drainage system, by Stefano Salbitani (Italy) and
8. SEA/EIA in The Netherlands: an overview, by Gé van den Eertwegh (The Netherlands).

During the concluding session the Chairman, WG-ENV suggested a title for the draft position paper and is “Environmental Assessment of Drainage, Irrigation and Flood Control”. This will cover, inter alia, all the points gathered in the workshop/meetings.

The WG-ENV decided to have a 2nd meeting-cum-workshop in Lahore in October 2008 to consider the draft position papers and other inputs for WWF 5.

## 2.5 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 and
- 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) VPH 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 (UK, 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) VPH 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) VP Dr. Karim Shiati, Chairman, ASRWG; (iii) WMO representative; (iv) Prof. L. Vermes, ERWG; (v) The World Bank Representative and (vi) FAO Representative.

### Activities carried out:

WG-IADWS held its 10th meeting on 30 September 2007 at Sacramento in which 10 members and 8 observers/permanent observers belonging to 12 countries (Iran, South Africa, USA, UK, China, Egypt, Australia, Italy, Japan, Chinese Taipei, Indonesia, Korea and Chad) attended.

As the mandate of the Working Group had been completed, the 10th meeting witnessed the closure of the Working Group. Chairman Dr. Nairizi summarized the activities of the WG since its inception in 1998.

The Group held three workshops respectively at Tehran, Iran in July 2003; Montpellier, France in September 2003 and Moscow, Russia in 2004.

The working group's compilation 'General Questionnaire on the Water Status of ICID Member Countries' provides a worldwide vision of water requirements and its quantitative and qualitative scenarios. Fourteen countries have completed the Questionnaire. The data received through the Questionnaires has been compiled by Dr. A. Sabetraftar (IRNCID).

A Workshop was held during the WG meeting in which the following presentations were made :

1. Dr. Ragab Ragab (UK) presented two papers prepared by himself and VPH Dr. Hussein El-Afty (Egypt) on
  - 'Water management strategies to combat drought' ;
  - 'The experience of the Nile Water Forecast in managing floods and setting strategies for knowledge dissemination' ;
2. Mr. Anthony Horton (Australia) presented his work on Sub-Theme 1: Survey of publications on irrigation under conditions of drought and water scarcity and
3. Dr. G. R. Backeberg (South Africa) presented the work on Sub-Theme 3: Development of (1) Guidelines for assessment of drought on irrigated agriculture and (2) Policies and management strategies for various drought and water scarcity situations.

The final WG document will be in the form of guidelines with an appendix to include proceedings of the workshop held in Moscow, Russia in 2004 on “Water Harvesting and Sustainable Agriculture”.

Dr. Backeberg suggested that the concepts of 'Drought Management under Water Scarcity' should be further studied and evaluated based on plans prepared and experiences gained by all ICID member countries. This work could be done by a new Working Group or Task Force. The Group decided to constitute a New Group with the name 'Water Management in Water Stressed Regions'. A detailed mandate and work plan will be presented in Lahore meeting in October 2008.

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

#### Mandate

- To recognize proven water saving success and
- To identify and promote successful water conservation.

#### Members

(1) VPH Dr. Hussein El-Atfy, Chairman (Egypt, 2000); (2) VPH Dr. Alain Vidal (France, 1995); (3) VPH Dr. J.M.M. Mendiluce (Spain, 1996); (4) Dr. Hsu, Shiang-Kueen (Chinese Taipei, 1997); (5) Mr. D. Datta (India, 2003); (6) Mr. Neil Louis Lecler (South Africa, 2003); (7) Prof. Atef Hamdy (Italy, 2004); (8) Mr. Kim Russell (Australia, 2005); (9) Mr. Mehrzad Ehsani (Iran, 2006); (10) VP Dr. Mark Svendsen (USA, 2007); (11) Dr. Yuanhua Li (China, 2007) and (12) Er. M. Gopalakrishnan, Secretary General, ICID.

#### Observers :

President Hon. Mr. John Hennessy (UK)

#### Activities carried out:

WG-WATS held its 14th meeting on 1 October 2007 at Sacramento in which 7 members and 11 observers belonging to 12 countries (Egypt, France, Chinese Taipei, China, South Africa, Iran, USA, Australia, Germany, Italy, South Korea and Israel) participated.

A draft version of the document on “Innovative Technology and Management for Water Saving in Agriculture” as prepared by the CO was circulated at the Sacramento meeting. The group deferred the draft publication in the present format. The Management Board and the group had proposed to prepare an abridged version giving the genesis, objectives of the mission, summary of WatSave contributions, impact assessment of the past water saving contributions and the way forward. A small team comprising President, Secretary General, and PH Bart Schultz is constituted to review and revise the document with a view to release at the Lahore Congress.

The group, with the leadership of VP Mark Svendsen reviewed the current guidelines and criteria for WatSave Award nominations/proposals and proposed a revised list of items to be included in the invitation for nominations for the awards with effect from 2008.

### 3.2 Working Group on Drainage (WG-DRG)

#### Mandate

- To determine the 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 (Australia, 2000); (2) Dr. James Ayars, Vice Chairman, 2007 (USA, 2005); (3) Mr. B. Vincent, Secretary (France, 2007); (4) VPH Prof. Dr. B. Maticic (Slovenia, 1987); (5) VPH Dr. M.H. Amer (Egypt, 1988); (6) Mr. I. Dakar (Syria, 1991); (7) Dr. M.S. Adamu (Nigeria, 1992); (8) President Hon. Ir. Keizrul bin Abdullah (Malaysia, 1994); (9) Dr. Chung Sang-Ok (Korea, 1996); (10) Mr. Chen, Hung-Kwai (Chinese Taipei, 1997); (11) Ms. Wang Shaoli (China, 1999); (12) Dr. E. Christen (Australia, 2000); (13) Dr. Mohammad Bybordi (Iran, 2000); (14) Mr. S.K. Das (India, 2001); (15) Dr. M. Nawaz Bhutta (Pakistan, 2002); (16) Mr. Rauno Peltomaa (Finland, 2002); (17) Dr. (Ms.) Waltina Scheumann (Germany, 2003); (18) Mr. AT van Collier (South Africa, 2006); (19) Mr. Nurgül Üzücek (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) VPH Dr. Chandra A. Madramootoo (Canada); (iv) IPTRID Representative; (v) PH. Aly M. Shady (Canada); (vi) President Hon. Prof. dr. Bart Schultz (Netherlands); (vii) VPH Prof. H. Malano (Australia) and (viii) VPH Dr. Safwat Abdel-Dayem (Egypt).



Dr. W.F. Vlotman, Chairman, WG-DRG





Dr. James Ayars, Presenting the paper

### Activities carried out:

WG-DRG held its 25th meeting on 30 September 2007 at Sacramento in which 16 members and 15 observers/ permanent observers belonging to 17 countries (The Netherlands, France, Egypt, Chinese Taipei, India, China, Australia, Malaysia, Finland, USA, South Korea, Turkey, Japan, Russia, Pakistan, Canada and Estonia) attended.

The group was established in 1983 and has completed its twenty five years of successful existence. At Sacramento the WG celebrated its “Silver Jubilee” by bringing out a special edition of the ICID Journal on Irrigation and Drainage. Dr. W. F. Vlotman and VPH Prof. Dr. Chandra A. Madramootoo were the guest editors. The special edition was brought out as volume 56 (Supplementary) of the Journal. The issue included 20 peer reviewed papers contributed by ‘select- experts’. The Government of The Netherlands supported the special issue of the ICID journal.

In the meeting, representatives of National Committees of Finland (FINCID) and Estonia (ESTICID) reported about the preparations of the 10th International Drainage Workshop (IDW). Two presentations made during the meeting were (i) “Drainage Developments in Turkey” by Ms. Nurgül ÜZÜCEK, and (ii) “Drainage Water Management in North America: Federal and University Perspectives” by Dr. James Ayars.

The Group discussed the mandate for a new WG keeping in view the future challenges and trends. The Chairman prepared a draft revised mandate and presented it at the PCTA meeting for the 58th IEC consideration.

## 3.3 Working Group on Modernization of Irrigation Services (WG-MIS)

### Mandate

- To provide a continuing focus in ICID for sustainable improvement of irrigation service delivery through

progressive modernization of infrastructure, management and institutions.

### Members :

(1) VPH Dr. Hector Malano, Chairman (Australia) until 11 October 2007; later Dr. Maurits Ertsen, Chairman, 2007 (The Netherlands, 2007); (2) Dr. Francois Brelle, Vice Chairman (France, 2007); (3) VPH Dr. Huh, Yoo-Man (Korea, 2007); (4) Mr. Lee, Tsong-Hwei (Chinese Taipei, 2007); (5) Mr. Thomas E. Mitchel (USA, 2007); (6) Dr. Jiesheng Huang (China, 2007); (7) Mr. Y. Yukawa (Japan, 2007); (8) Dr. M.K. Siah (Iran, 2007); (9) VP Dr. Illahi B. Shaikh (Pakistan, 2007) and (10) Er. M. Gopalakrishnan, Secretary General, ICID.

### Permanent Observers :

(i) FAO Representative; (ii) IPTRID Representative; (iii) Mr. Peter S. Lee (UK), President ICID and (iv) Mr. H. Plusquellec (USA/France).

### Activities carried out:



VP. Gao Zhanyi representing Dr. J. Huang, Member, WG-MIS

WG-MIS held its 1st meeting on 1 October 2007 at Sacramento in which 9 members and 21 permanent observers/ observers belonging to 12 countries (South Korea, USA, The Netherlands, China, Japan, Chinese Taipei, Pakistan, Iran, France, Canada, India and Australia) were present.

The Working Group on Development and Management of Irrigation Systems (WG-DMIS) had concluded its activities at Kuala Lumpur meeting in September 2006 and proposed the PCTA during its 57th IEC meeting for creation of a New WG with a fresh mandate and objective. The proposal for a successor Group under the name “Working Group on Modernization of Irrigation Services” (WG-MIS) was accepted. The new group has planned to complete its mandated tasks by 2012.

The group elected Dr. Maurits Ertsen (The Netherlands) as

the Chairman and Mr. François Brelle (France) as the Vice Chairman. During the meeting, Mr. Pasquale Steduto, Observer presented the FAO's ideas (the MASSCOTE) for a workshop in Lahore in 2008. The group will develop/ collect ideas and suggestions to develop a definition for modernization of irrigation services. The group also discussed how to address internal and external safety issues and poverty alleviation as a part of modernization. Mr. Len Ring (Canada) showed a video presenting the main features of a water management system developed in the Irrigation District of Alberta.

### 3.4 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, Secretary (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) VPH Prof. Javad Farhoudi (Iran, 2006) and (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 and (vi) Ir. Paul van Hofwegen, Senior Water Management Expert, WWC.

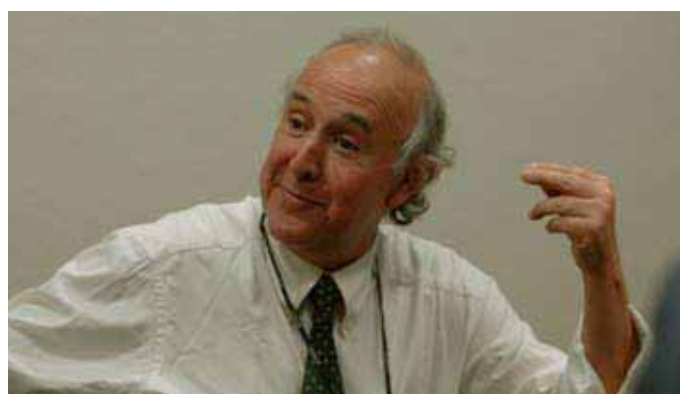
#### Activities carried out:



Prof. Tom Franks, Chairman, WG-CBTE

WG-CBTE held its 12th closing down meeting on 30 September 2007 at Sacramento in which 9 members and 3 observers/permanent observers belonging to 10 countries (UK, Japan, China, India, Egypt, USA, Australia, South Africa, Chinese Taipei and Turkey) were present.

Chairman, WG-CBTE summarized the activities of the workbody starting from 1995. The Working Group had held 11 meetings starting the first one in 1996 at Egypt. This was followed successive events each year respectively at UK, Indonesia, Spain, South Africa, Korea, Canada, France, Russia and China. Finally in Kuala Lumpur, Malaysia in 2006, the last event was held.



Dr. Carlos, Programme Manager, IPTRID

During each of these meetings, the WG deliberated various aspects of 'capacity building' for attaining sustainable development in irrigation, drainage and flood management sectors. It framed recommendations for evolving capacity building amongst stakeholders. It also prepared a FAO database on education and training opportunities and made use of them while conducting its own workshops – 1st at

Montpellier in 2003, 2nd at Moscow in 2004, 3rd at China in 2005 and the 4th one at Kuala Lumpur in 2006. WG-CBTE held co-convening sessions on “Capacity Building and Social Learning” during the occasion of WWF 4 held in Mexico in 2006 and presented local actions carried out in the regions of Nicaragua, South Africa and Chile.

In the 11th meeting held at Kuala Lumpur, the Group decided to declare the closure of its tenure with the publication of a Special Issue on “Capacity Building” in the ICID Journal on Irrigation and Drainage. An Editorial Board comprising of Prof. Tom Franks, Chairman, WG-CBTE; Mr. Carlos Garces, Program Manager, IPTRID and Mr. Ferry Putuhena, Member, WG-CBTE was constituted. The Editorial Board received 15 papers based on its request circular sent to all the Chairpersons of Workbodies and NCs. The process of finalization of the papers is in full swing for releasing the special issue of the Journal in 2008.



President Peter Lee, Observing the Proceedings

In the 58th IEC President ICID cited the WG-CBTE as a model WG. He mentioned that one can rely upon the activities carried out by the WG for understanding as to how a WG is to be constituted, established and wound up.

### 3.5 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 amortization 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 (Indonesia, 1998); (6) Ing. Josef Miskovsky (Czech Republic, 1999); (7) Mr. 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 Zwarteven (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 10th meeting on 2 October 2007 at Sacramento in which 4 members and 7 observers/ permanent observers belonging to 8 countries (Iran, India, Japan, Turkey, UK, Australia, South Africa and South Korea) attended.

The working group was established in 1998 at Bali and the meeting at Sacramento was the concluding one. The major activities of the group included were ‘Comparative analysis of socio-economic impacts of different institutional arrangements of irrigation and drainage in various countries’, guidelines on cost benefit analysis of irrigation and drainage projects, water valuation in agriculture and analysis of the role of women in irrigation.

At Sacramento, the group proposed to transfer certain activities to the newly formed two TFs on (1) Role of Irrigation on Poverty Alleviation and Livelihoods (TF-POVERTY) and (2) Financing Water for Agriculture (TF-FIN).



### 4.1 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) VP Mr. Felix B. Reinders, Chairman (South Africa, 1998); (2) VP Prof. Peter Kovalenko, Vice Chairman (Ukraine, 2001); (3) Mr. Stephen Mills, Secretary (Australia, 2001); (4) VPH 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 (UK, 2002); (11) Mr. Yan Guanyu (China, 2002); (12) Mr. M.S. Bala (Nigeria, 2002); (13) VPH Dr. J.A. Ortiz (Spain, 2003); (14) Mr. Graziano Ghinassi (Italy, 2004); (15) Prof. Y. Nakano (Japan, 2004); (16) Dr. A.K. Randev (India, 2005); (17) Mr. Hassan Shantia (Iran, 2006); (18) Mr. Mohan Reddy Junna (USA, 2007) 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 10th meeting on 1 October 2007 at Sacramento in which 13 members and 16 observers (including permanent observers) belonging to 15 countries (South Africa, Australia, Germany, Chinese Taipei, France, China, Spain, USA, Italy, Japan, India, Iran, Egypt, Israel and Indonesia) participated.

The draft version of the manual 'Performance Evaluation of Sprinkler and Drip Irrigation Systems' as edited at the Central Office was tabled at the Sacramento meeting. The group proposed that the manual be reviewed by a team comprising M/s Felix Reinders, Bruno Molle and Dr. Ortiz. The group proposed to release the document at the Lahore meeting. A paper on "Advances in mechanized irrigation versus environment" as prepared by Dr. A. K. Randev (India) was finalised and submitted to the ICID Journal for its possible publication.

Updated statistical information on sprinkler and micro irrigated areas in member countries was circulated at the meeting.

Dr. Allen R. Dedrick (USA), the convener of the ISO's 'Ad hoc Group on Standardization of Surface Irrigation Equipment' has contacted Central Office to solicit the views / suggestions of NCs and members of WG-ON-FARM regarding products associated with surface irrigation in their respective countries that might merit international standardization. Since this topic is of interest to the WG, the CO in consultation with the Chairman circulated a draft questionnaire to all NCs with a request to fill it up and send it to Dr. Dedrick and the CO. In response, Pakistan National Committee (PANCID) has provided its feedback. At the conclusion of the WG meeting, a workshop on 'Reusing waste water for Irrigation' was conducted by Israel National Committee (ISCID).

### 4.2. Working Group on Water and Crop (WG-CROP)

#### Mandate

- To promote the efficient use of water in crop production;
- To provide input to test crop water models;
- To investigate the use of energy crops for biofuel production;
- To develop techniques for rainfall harvesting;
- To promote the multi-functionality of water use in paddy rice cultivation;
- To investigate the adaptation of agriculture to climate change and
- To promote low input agriculture.

#### Members

(1) Dr. Ragab Ragab, Chairman (UK, 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) Dr. Y. Nakano (Japan, 1996); (9) Mr. Tai Cheol Kim (Korea, 1996); (10) Mr. Chen Yih-Rong (Chinese Taipei, 2001); (11) Mr. Vincente Carelon (Spain, 2003); (12) Dr. Andrew Sanewe (South Africa, 2005); (13) Dr. Florent Maraoux (France, 2006) and (14) Er. M. Gopalakrishnan, Secretary General, ICID.

#### Member Honoraire :

Mr. Peter S. Lee, President, ICID.

### Permanent Observers :

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

### Observers :

(i) Dr. Ing. Michele Angelo Cuccaro (Italy); (ii) Prof. Ding Kunlun (China); (iii) Mr. Ekanath Patil (India); (iv) Mr. Sanjay Belsare (India) and (v) VPH. Dr. Saeed Nairizi (Iran).

### Activities carried out :

WG-CROP held its 21st meeting on 2 October 2007 at Sacramento in which 9 members and 7 observers (including permanent observers) belonging to 12 countries (UK, Slovenia, USA, Canada, Japan, South Korea, South Africa, France, India, Italy, China and Iran) were present.

Dr Nakano (Japan) and Dr Kim (Korea) reported their interactions with ISO during the meeting. Dr. Nakano also presented a written report on the GM crops of Japan. Dr. Andrew Sanewe provided an update on GM crops of African countries. Dr. Nakano attended INWEPF meeting and briefed the WG on the related issues. Dr. Kim (Korea) provided an update on how to save agricultural water, conserving ecosystem with particular reference to Paddy, which emerged from the workshop on 'Sustainable Paddy Farming in Asian Monsoon Region', held during 1-3 July 2007 in Korea. Prof. Rick Allen reported that FAO-56 paper has been translated into Spanish, Russian, French and Chinese. Translation in Arabic is in progress. FAO-33 paper was being revised in the form of a computer model and will be called Aqua Crop. Final version will be available in 2008.

WG reviewed its mandate and discussed new areas that are to be focused upon. The WG decided to change its name to WG on 'Water and Crops' and extend its completion date by six more years.

## 4.3 Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)

### Mandate

- To promote a safe and good management of poor quality water for irrigation;
- To minimize the negative impact on human health and the environment;
- To promote the multiple use of poor quality water and
- To give consideration to the Institutional and legislation aspects with regard to the use of poor quality waters.

### Members :

(1) Dr. Ragab Ragab, Chairman (UK, 1997); (2) Dr. Frans

Huibers, Secretary (Netherlands, 1999); (3) VP Dr. Karim. Shiati (Iran, 1997); (4) Dr. H. M. du Plessis (South Africa, 1998); (5) Dr. Jan Salek (Czech Rep., 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) VP 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:

(i) FAO Representative and (ii) Prof. Faisal Taha of ICBA, Dubai.

### Activities carried out:

WG-PQW held its 12th meeting on 1 October 2007 at Sacramento in which 8 members and 6 observers (including permanent observers) belonging to 9 countries (UK, South Africa, Iran, China, Egypt, Japan, USA, France and Australia) participated.

At the Sacramento meeting, interesting presentations were made on "Use of brackish/saline water" : Case studies carried out in Iran by VP Dr. Karim Shiati, and Egypt by Dr. Samia El Guindy were reported. Dr. Magdy Salah El Deen (Egypt) made presentation on "Environmental impact of misusing pesticides". A close cooperation and relation with International Centre for Bio-saline Agriculture (ICBA), Dubai has been established and Prof. Faisal Taha of ICBA was accepted as the permanent observer of the Working Group.

The workshop on 'Desalination Technologies for Irrigation Purpose' planned to be held at Sacramento by the Group was deferred due to inadequate response.



VP Dr. Shiati (L) and Dr. Ragab, Chairman, WG-PQW

### PERMANENT COMMITTEE ON STRATEGY PLANNING AND ORGANIZATIONAL AFFAIRS (PCSPOA)

#### Mandate

The Committee looks into the prospects of increasing the number of member countries and assisting the National Committees to become more active in their own countries to achieve the goals set for them from time to time. The Committee undertakes issues related to strategic planning for ICID. The Committee coordinates the activities of Vice Presidents in their areas.

**Members :** (1) VPH. Dr. Alain Vidal (France) upto 11 October 2007 and VP Dr. Gao Zhanyi, Chairman (China, 2005) subsequently; (2) VP Dr. Mark Svendsen (USA, 2005); (3) VP Mr. Felix B. Reinders (South Africa, 2005); (4) VP Dr.-Ing. Eiko Lübke (Germany, 2006); (5) VP Dr. Karim Shiati (Iran, 2006); (6) VP Ir. Mohd. Azhari bin Ghazalli (Malaysia, 2006); (7) VP Prof. Peter Kovalenko (Ukraine, 2007); (8) VP Dr. Hafied A. Gany (Indonesia, 2007); (9) VP Dr. Illahi B. Shaikh (Pakistan, 2007); (10) VPH Dr. YooMan HUH (Korea, 2004); (11) VPH Dr. Hussein El-Atfy (Egypt, 2004); (12) VPH Dr. G.G. Guluyk (Russia, 2004) and (13) Er. M. Gopalakrishnan, Secretary General, ICID.

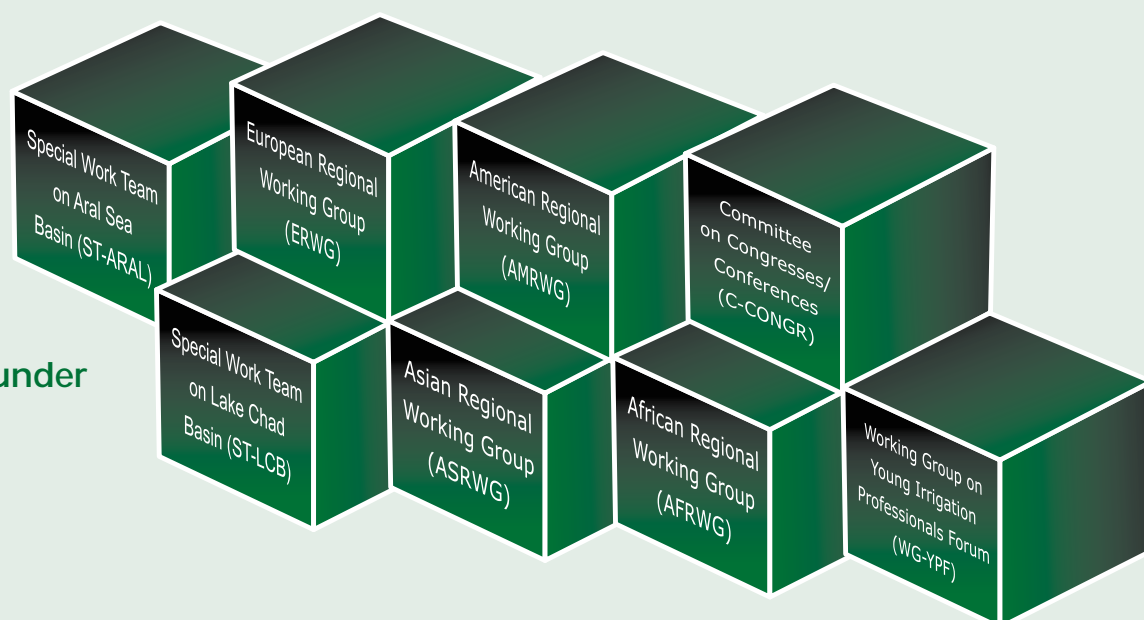
**Ex-Officio Members :** (1) Chairman, AFRWG; (2) Chairman, ERWG; (3) Chairman, ASRWG; (4) Chairman, AMRWG; (5) Chairman, WG-YPF; (6) Chairman, C-CONGR; (7) Chairman, ST-ARAL; and (8) Chairman, ST-LCB.

**Permanent Observers :** (i) FAO Representative; (ii) World Bank Representative; (iii) GWP Representative and (iv) WWC Representative.

**Activities carried out :** PCSPOA held its 18th meeting on 2 October 2007 at Sacramento in which 10 members and 15 ex-officio members including permanent observers belonging to 13 countries (France, Korea, USA, South Africa, China, Germany, Iran, Malaysia, India, Nigeria, Pakistan, Japan and Ukraine) participated.

In its internal review, PCSPOA considered various issues related to ICID membership, block membership of organizations/ countries, membership subscription fund, focus on Africa, Vice President's role, priority issues of LDCs and other related matters. The recommendations were made on each of these issues. It was generally felt that the Vice Presidents should take up more active responsibility in order to facilitate greater participation of a group of NCs under the purview of a regional VP. It was suggested that a VP could be considered for chairmanship of a Regional Working Group (RWG). Another suggestion was to assign the VP, a role associated with a subject or theme, rather than regional. The PCSPOA also suggested that VPs could play a greater role in the policy and strategy development of ICID by way of chairing Task Forces.

There are 8 workbodies under PCSPOA





## 5.1 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) VPH Prof. V. Dukhovny, Chairman (Uzbekistan, 1994); (2) Mr. John Osterberg (USA, 1996); (3) Prof. N. Hatcho (Japan, 2002); (4) Dr. M.S. Adamu (Nigeria, 2002); (5) Acad. Boris Kizyaev (Russia, 2002); (6) Mr. Ron W. Coley (Canada, 2003); (7) Mr. M. Falciai (Italy, 2004); (8) Mr. Bernard Vincent (France, 2005) and (9) Er. M. Gopalakrishnan, Secretary General, ICID.

### Permanent Observers :

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

### Activities carried out :

ST-ARAL held its 14th meeting on 1 October 2007 at Sacramento in which 2 members and 2 observer belonging to 4 countries (Japan, Russia, France and USA) attended.

The progress achieved by the ST-ARAL mentioned during its 13th meeting by VPH Victor Dukhovny, Chairman, ST-ARAL was discussed during the time of the 14th meeting held under the Chairmanship of Prof. Dr. N. Hatcho (Japan). County membership, involvement of ICID NCs in Aral Sea Basin, review of workplan and capacity building programs implemented in Aral Sea Basin developments were deliberated. Other items considered were (i) the implementation of ICID strategy on ICID Vision, (ii) exchange of information and experience with China on implementation of ICID strategy and (iii) need for developing linkages with WG-CLIMATE.

The 14th meeting noted that there is a need for taking a decision on continuity of ST-ARAL, the work plan and its mandate. The meeting also noted that Uzbekistan, Kyrgyzstan and Kazakhstan are active members of ICID while Tajikistan, Turkmenistan and Azerbaijan are yet to be activated their membership in ICID. It was mentioned that an active participation of all the members of Aral Sea Basin should be

encouraged as the members can suggest suitable strategies for overall development of Aral Sea Basin.

The 14th meeting decided to continue further discussions and e-mail communications so as to have a final view on Aral Sea Basin development, Siberian water transfers to Central Asia and developing linkage with WG-Climate to take on board issues like:

- (i) Impact of change in precipitation, temperature and humidity of air on water resources of the region of Aral Sea Basin
- (ii) Impact of glacier melting on the river flow and
- (iii) Impact of climate change on the water consumption of crops.

## 5.2 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 (Nigeria, 2005), Chairman upto 11 October 2007 and VPH Engr. I.K. Musa, Chairman (Nigeria, 2007) subsequently; (2) Dr. M.S. Adamu (Nigeria, 2005); (3) Dr. Sizwe Mkhize (South Africa, 2005); (4) Dr. H. Fahmy (Egypt, 2005); (5) Prof. Tom Franks (UK, 2005); (6) VPH Prof. V.A. Dukhovny (Uzbekistan, 2005) and (7) Er. M. Gopalakrishnan, Secretary General, ICID.

### Permanent Observers :

(1) ARID-RAID Representative (2) LCBC Representative; (3) FAO Representative (4) IPTRID Representative and (5) World Bank Representative.

### Activities carried out :

ST-LCB held its 2nd meeting on 1 October 2007 at Sacramento in which 2 members and 6 observers (including permanent observers) belonging to 3 countries (Nigeria, Chad and USA) attended.

VPH. Engr. I.K. Musa was elected as the chairman of the ST-LCB. During the meeting, Mr Boubakari Mana (Chad) permanent observer of the TF-IBWT, disseminated a revised draft of the experiences with IBWT for irrigation, drainage and flood management. The ST members were invited to contribute African perspectives for the WWF 5to be held in Istanbul in March 2009 through TF to Guide ICID inputs to the WWF 5.

### 5.3 European Regional Working Group (ERWG)

#### Mandate

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

#### Members :

(1) VP Dr.-Ing. Eiko Lübbe, Chairman (Germany, 2002); (2) VP Prof. Dr. Peter Kovalenko, Vice Chairman (Ukraine, 1999); (3) Dr. Laszlo Hayde, Secretary (Hungary, 2005); (4) VPH Prof. dr. Brane Maticic (Slovenia, 1996); (5) Dr. Michele Angelo Cuccaro (Italy, 1996); (6) Prof. Dr. Ion Nicolaesco (Romania, 1996); (7) Mr. Pedro Eduardo da Cunha Serra (Portugal, 1996); (8) Mr. Nicos Tsiourtis (Cyprus, 1996); (9) Prof. Dr. Svatopluk Matula (Czech Rep., 1997); (10) Dr. Antanas Maziliauskas (Lithuania, 1997); (11) Mr. Peter Borrows (UK, 1998); (12) Dipl.-Ing. Frederick M. Cate (Austria, 1998); (13) VPH Dr. Ricardo Segura (Spain, 1999); (14) VPH Dr. Henry Tardieu (France, 1999); (15) Mr. Jaakko Sierla (Finland, 2001); (16) Dr. Davor Romc (Croatia, 2002); (17) Dr. Zvonimir Vukelic (Macedonia, 2002); (18) Mr. Mati Tonismae (Estonia, 2002); (19) Prof. Dr. A. Poulouvassilis (Greece, 2003); (20) Dr. John Martin (Ireland, 2003); (21) Mr. Peter Pantelic (Serbia, 2003); (22) Dr. Pol Hakstege (The Netherlands, 2007); (23) Dr. Irina G. Panikova (Russia, 2007); (24) Mr. Claude Allain Vuillier (Switzerland, 2007) and (25) 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) VPH Dr. G.G. Guluyk, Chairman, ERWG Work Team on Drainage (Russia); (iii) VP Prof. Peter Kovalenko, Chairman ERWG Work Team on Sustainable Irrigation Management (Ukraine)

and (iv) ERWG Work Team on Water Related Risk Analysis (Chairman to be appointed).



Dr. L. Hayde, Secretary (L) and VP Dr. Lübbe, Chairman, ERWG

#### Activities carried out :

ERWG held its 13th meeting on 1 October 2007 at Sacramento in which 9 members and 5 observers belonging to 9 countries (Germany, Hungary, Slovenia, Russia, Italy, The Netherlands, Finland, Croatia, and Estonia) were present.

During the reporting period, one of the objectives of ERWG was to develop cooperation amongst professionals and organizations engaged in water and land management. Two German projects: first one in collaboration with Lithuania on 'Water Management Tasks in the Summer Polders of the Nemunas Lowland' and the second one together with Ukraine on "Flood Modelling in the Upper Dnister Valley" were considered. Prof. Joachim Quast (Germany) informed that the projects have been finalised and would be published in English.

As far as new education and training programs on knowledge for the application of best practices of river basin management were concerned, Dr. Laszlo Hayde (UNESCO-IHE, the Netherlands) in cooperation with Prof. Istvan Ijjas (former Secretary of ERWG), the Budapest University of Technology, conducted training on implementation of Water Framework Directive (WFD) in Hungary involving 160 civil servants.

ERWG members decided to continue the dialogue on the topic of WFD and its implementation through adopting the Common Agriculture Policy planned for the years 2007-2013.

The idea of merging European Work Team on Drought (EWTDRO) and European Work Team on Floods (EWTFLO) under the framework of Risk Management was proposed by Dr. Vermes (Hungary). After detailed discussions, the WG accepted the view to create a new Work Team under the name Work Team on Water Related Risk Analysis (EWTWRA).

Mr. Peter Borrows (UK), Chairman of the EWTFLO, prepared a document on "Management of Riverine Floods" in

cooperation with Engr. Dick de Bruin, the former Chairman of WG-CAFM. The document has been accepted as ICID position paper on flood management by the 58th IEC held at Sacramento, USA.

ERWG held its 22nd European Regional Conference during 2-6 September 2007 at Pavia, Italy (for more details of the event, please turn to page 45).

## 5.4 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 coordinate activities in the region.

### Members :

(1) VP Dr. Karim Shiati, Chairman, 2006 (Iran, 1997); (2) Mr. Tei-Cheol Kim, Vice Chairman, 2007 (Korea, 2006); (3) VP. Ir. Mohd Azhari bin Ghazalli, Secretary (Malaysia, 1997) upto 5 October 2007 and Mr. Anthony J. Horton, Secretary, 2007 (Australia, 1997) subsequently; (4) Mr. Khem Raj Sharma (Nepal, 1997); (5) Eng. A.S. Manoharadas (Sri Lanka, 1997); (6) Dr. Siripong Hungspreug (Thailand, 1998); (7) Mr. Bakhodiy 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. Shinsuke Ota (Japan, 2006); (15) Mr. Mohd. Abdul Nassir bin Bidin (Malaysia, 2007) 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 (The 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 (The Netherlands) and (ix) Mekong River Basin Representative.

### Activities carried out:

ASRWG held its 14th meeting on 30 September 2007 at Sacramento in which 9 members and 11 observers/permanent observers belonging to 10 countries (Iran, Malaysia, Australia, Pakistan, Chinese Taipei, Indonesia, Korea, Japan, India and China) were present.

One of the main issues during the 14th meeting was on

activation of Country Membership in ICID. VP Karim Shiati, Chairman, ASRWG provided an effective role in dealing the country membership along with other VPs responsible for Asian and Oceania region namely Dr. Gao Zhani, Ir. Mohd. Azhar bin Ghazalli, Dr. Hafied A. Ghany and Dr. Illahi B. Shaikh. Dr. Karim Shiati enabled signing of two MoUs (i) between the Iranian National Committee (IRNCID) and Turkish National Committee (TUCID); and (ii) between IRNCID and German National Committee (GECID) and German History Water Association (AWHG).

The inactive countries of New Zealand, Fiji and Georgia responded to the ICID initiation and shown their willingness to join in ICID activities and asked for some more time to come out with their decision.

ASRWG also discussed on the regional conferences, namely, the 2nd Asian Regional Conference (ARC) held at Echuca/Moama in Australia in 2005, 3rd ARC in Kuala Lumpur, Malaysia in 2006, 4th ARC in Tehran, Iran in 2007 and the 5th and 6th ARCs scheduled respectively in New Delhi, India in 2009 and Jogjakarta, Indonesia in 2010.

IRNCID has shown keenness in developing an Asia Drainage Centre in Iran for the Semi-arid Regions and requested support and contribution from Asian Regional Countries. The ASRWG noted that the Group worked in coordination with Food Agriculture Organization (FAO), International Water Management Institute (IWMI), International Network of Water, Environment and Paddy Fields (INWEPF), International Society of Paddy and Water Environment Engineering (PAWEES) and BOAO Forum for Asia and there is a need for further intensification of its coordinated activities.

ASRWG is envisaging to create a Task Force on Climate Change and Irrigation (ARTF-CC) with the members support from Asian and Oceanian Countries. Dr. Shinsuke Ota (Japan) will address issues related to "Climate Change" and develop possible contributions towards WWF 5 for the Topic 1.1: "Adapting to climate change; understanding the impacts of climate change, vulnerability assessments and adoption on measures" under the Theme: 1 "Global Changes and Risk Management".

## 5.5 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, Chairman (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) VPH. Dr. Jose A. Ortiz F.-Urrutia (Spain) and (ii) Portuguese Representative.

### Activities carried out:

AMRWG held its 3rd meeting in Kuala Lumpur, Malaysia on 11 September 2006. In order to attract a wider participation from ICID NCs in Americas, AMRWG decided to cover countries both from North and South Americas. CO is in contact with the initiative NCs for reviving their memberships.

The 4th meeting of AMRWG was not held during the 58th IEC.

A meeting at Lahore is scheduled for further deliberations on the decision taken in the 3rd meeting of AMRWG.

## 5.6 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) VPH. Engr. I.K. Musa (Nigeria) upto 11 October 2007 and since then Dr. Sizwe Mkhize, Chairman (South Africa, 2001); (2) Dr. H. Fahmy, Vice Chairman (Egypt, 1996); (3) Mr. M.S. Bala, Secretary (Nigeria, 2002); (4) Ms. Raphaelle Ducrot (France, 1999); (5) Dr. Adama Sangare (Mali, 2007); (6) Mr. Makonnen Loulseged (Ethiopia, 2007); (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); (vii) Ms. Felicity Chancellor (UK); (viii) ARID Representative and (ix) SARIA Representative.

### Activities carried out:

AFRWG held its 18th meeting on 1 October 2007 at Sacramento in which 4 members and 9 observers (including permanent observers and ex-officio members) belonging to 7 countries (Nigeria, South Africa, India, UK, Chad, USA and Mali) attended.

At the 17th meeting of the group held in Kuala Lumpur, Engr. I.K. Musa announced his intention to step down from the Chairmanship of the AFRWG after the Sacramento meeting. The group chose Dr. Sizwe Mkhize (South Africa) as the new Chairman of the WG. The Group along with ICID NCs held its 2nd African Regional Conference from 6 - 9 November at Glenburn Lodge in South Africa (for more details on this, please turn to page 47).

VPH. Er. I. K Musa reported on the preparations for hosting of the 3rd African Regional Conference in conjunction with the 60th IEC meeting scheduled to be held at Abuja, Nigeria from 11-17 October 2009.

## 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 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 be 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) VP Dr. Illahi B. Shaikh, Chairman (Pakistan); (2) VP Dr. Gao Zhanyi (China); (3) VP Felix B. Reinders (South Africa); (4) Nigerian Representative, NINCID (Nigeria); (5) US Representative, USCID (USA); (6) Indonesian Representative, INACID (Indonesia); (7) Malaysian Representative, MANCID (Malaysia); (8) Iranian Representative, IRNCID (Iran); (9) Ukraine Representative, UKCID (Ukraine) and (10) Er. M. Gopalakrishnan, Secretary General, ICID and (11) Dr. Vijay K. Labhsetwar, ICID CO.

### Activities carried out:

C-CONGR held its 18th meeting on 30 September 2007 at Sacramento in which 8 members belonging to 8 countries (Pakistan, China, Malaysia, USA, Iran, South Africa, Indonesia and Russia) participated.

During the 18th meeting, C-CONGR reviewed the 20th ICID Congress and 59th IEC program scheduled at Lahore. VP Illahi B. Shaikh, Convenor, C-CONGR mentioned that a website (<http://www.icid2008.org>) exclusively for the dissemination of the event has been developed and launched by the Pakistan National Committee on Irrigation and Drainage (PANCID). The various organizing committees of the 20th ICID Congress has also been constituted in the host country. He extended his warm invitation to all to Lahore for participating in the 20th ICID Congress, 59th IEC meetings and other events programmed in conjunction.

The Committee also reviewed the plans for the forthcoming 60th and 61st IEC meetings. It also deliberated on other regional events namely 4th Asian Regional Conference (ARC), 2nd European Regional Conference and 2nd African Regional Conference. It also reviewed preliminary preparations carried out for the 5th and 6th ARCs respectively scheduled in India in 2009 and Indonesia in 2010. All details pertaining to the 20th ICID Congress and 59th IEC meetings and allied events can be obtained by logging on to the website [www.icid2008.org](http://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 encourage and promote (a high standard of professional development in the subjects of irrigation, drainage and environment) amongst the young professionals;
- 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 and
- To educate young professional about ICID's role, objectives, activities, structure, constitution and Bylaws.

### Members :

(1) Mr. Ali Reza Salamat, Chairman, (Iran, 2000); (2) Dr. Sanjay Belsare, Vice Chairman, (India, 2003); (3) Ms. Nepveu de Villemarceau au Audrey, Secretary (France, 2002); (4) Dr. Maurits Ertzen (The Netherlands, 2002); (5) Dr. Nariman Shamsutdinov (Russia, 2003); (6) Ms. Jianxin Mu (China, 2003); (7) Mr. Bennie Grové (South Africa, 2003); (8) Mr. Hidekazu Tagashira (Japan, 2006); (9) Engr. Qazi Tallat Mahmood Siddiqui (Pakistan, 2006); (10) Mr. Velayudan, Sv., Kalaiselvam (Malaysia, 2006) and (11) Dr. Kwang-Ya Lee (Korea, 2007).

### Activities carried out:

WG-YPF held its 13th meeting on 30 September 2007 at Sacramento in which 9 members and 5 observers belonging to 10 countries (Iran, India, Korea, The Netherlands, China, South Africa, Japan, Pakistan, Malaysia and Australia) were present.

The WG-YPF while conducting the 13th meeting under the Chairmanship of Dr. Maurits Ertzen (The Netherlands) mentioned about the need for establishing YPF in each NC of ICID. It reviewed the progress achieved on preparation of directory of young professionals, establishment of network of young professionals through development of a web-based platform and registration of YPF members on YPF website. Actions required for increasing the issues of YPF Newsletter, time targeted plan of Group activities of YPF and papers that are to be published in ICID Journal and GRID Magazine (published by IPTRID/FAO) were also considered.

One of the main activities proposed under the WG-YPF is that of organization of a workshop in Lahore. WG-YPF Chairman finalized the main theme/sub-themes and invitation letter for call for papers for the workshop in consultation with Dr. S.M. Belsare and Dr. Maurits Ertzen and CO. The theme (Capacity Building and Training in Water Sector : The Role of Young Professionals) and sub-themes (Use of information and communication technologies; Education and capacity building in the water sector; Using professional networks & associations to strengthen the water sector and Integrated water resources management ) identified for the workshop will provide an international platform for young professionals to express their views. The WG-YPF decided to use the outputs so generated for targeting for a possible contribution towards WWF 5.

### 6.1 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 and
- To publish the material as ICID reference document.

#### Members :

(1) PH Prof. dr. Bart Schultz, Chairman (The Netherlands); (2) VPH Dr. Jose A. Ortiz Fdz.-Urrutia (Spain); (3) Mr. Maurice Roos (USA); (4) Prof. Dr. T. Hata (Japan); (5) Prof. Zhu Ruxang (China); (6) Dr. Frank Quinn (Canada); (7) Mr. Syed Jamat Ali Shah (Pakistan); (8) Er. M. Gopalakrishnan, Secretary General, ICID and (9) Mrs. Jancy Vijayan, Joint Director (ICID, CO Coordinator).

#### Permanent Observers :

(1) Dr. C.D. Thatte, ICOLD Representative; (2) Dr. Stephen Maxwell Donkor, UN Water/Africa Sector/Ethiopia and (3) Mr. Baubakan, Lake Chad Basin Commission Representative.

#### Activities carried out :

TF-IBWT held its 4th meeting on 2 October 2007 at Sacramento in which 5 members and 8 observers (including permanent observers) belonging to 9 countries (The Netherlands, Spain, USA, Japan, Pakistan, Nigeria, Chad, Egypt and South Korea) attended.

During the 4th meeting of the TF-IBWT, the 6th draft report of the Task Force was discussed. Additional information was submitted during the meeting for further incorporation. The chapters 1-4 were considered to be final, allowing additions on receipt of further information. The chapters 5-6 will have to closely seen for further improvement. A time schedule for the TF report preparation/publication was framed. The meeting decided to place the final draft version during the 59th IEC for approval.

Based on the information received/collected and collated, analyses for generating recommendations and good practices on IBWT schemes are under progress. During the 4th meeting of TF-IBWT held at Sacramento, short presentations were given

on IBWT's pertaining to Japan, Congo, Egypt, Pakistan and USA. The video presentation on the south to north transfer projects in China was also shown.

The final draft publication will be circulated to all NCs and TF Members before placing it to the 59th IEC scheduled at Lahore in 2008.

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

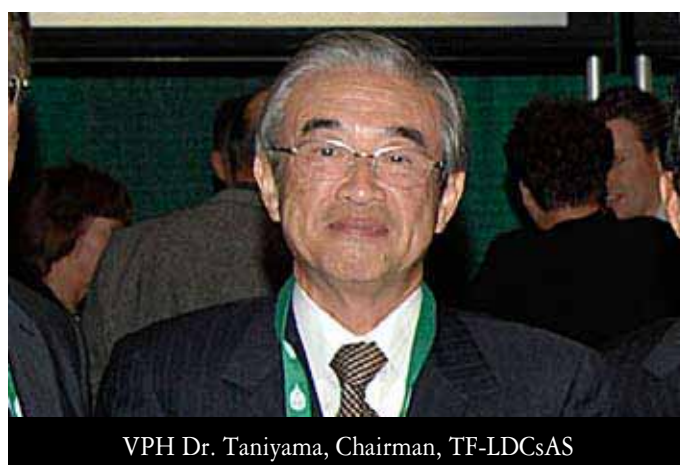
#### Terms of Reference (ToR)

This Task Force emerged at the instance of ASR WG 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 and
- To identify level and extent of support from ICID and explore the avenues for bilateral/multilateral cooperation.

#### Members :

(1) VPH Dr. Shigetaka Taniyama, Chairman (Japan); (2) VPH Prof. Soon-Kuk-Kwun (South Korea); (3) VPH Dr. Hector M. Malano (Australia); (4) VPH Dr. Saeed Nairizi (Iran); (5) VP Ir. Azhari bin Ghazalli (Malaysia); (6) VPH Prof. Cai Lingen (China) and (7) Er. M. Gopalakrishnan, Secretary General, ICID.



VPH Dr. Taniyama, Chairman, TF-LDCsAS

#### Activities carried out :

TF-LDCsAS held its 5th meeting on 30 September 2007 at Sacramento in which 7 members and 7 observers including member honoraire belonging to 8 countries (Japan, South Korea, Australia, Iran, Malaysia, India, Canada and USA) were present.



TF-LDCsAS wound up its tasks during the 5th meeting. VPH Dr. Shigetaka Taniyama, Chairman presented the draft report of TF-LDCsAS prepared based on the comments received from various NCs and information collated by TF-LDCsAS members. The NCs of Australia, Japan, Iran and Chinese Taipei Committee came forward for providing financial support for the publication of TF-LDCsAS report. In the meeting, it was decided to publicize the TF-LDCsAS report during the 59th IEC and 20th ICID Congress events. The TF-LDCsAS constituted an editorial team involving members from ANCID and USCID. TF-LDCsAS also decided to put forth concrete recommendations for the consideration of the IEC to give more focus on the identified challenges projected in the report on LDCsAS. Congratulations are due to the Chair, TF-LDCsAS and the members involved for completing the mandated activities of TF-LDCsAS successfully.

### 6.3 Task Force for Identifying Priority Issues for Least Developed Countries in Africa (TF-LDCsAF)

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 and
- To identify level and extent of support from ICID and explore the avenues for bilateral/multilateral cooperation.

#### Members :

(1) VPH Engr. I.K. Musa, Chairman (Nigeria); (2) Dr. H. Fahmy (Egypt); (3) Dr. S. Mkhize (South Africa); (4) Mr. Makonnen Loulseged (Ethiopia); (5) Mr. Moise Sonou (ARID Representative) and (6) Er. M. Gopalakrishnan, Secretary General, ICID.

TF-LDCsAF held its 3rd meeting on 30 September 2007 at Sacramento in which 3 members and 3 observers belonging to 5 countries (Nigeria, South Africa, India, Canada and Chad) participated.



VPH Engr. I.K. Musa, Chairman, TF-LDCsAF

The Task Force endeavored to reactivate the inactive LDCs and also to bring other LDCs under ICID fold through 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).

Representatives of LDCs in Africa were invited to present their country papers at the 2nd African Regional Conference held in November 2007 in South Africa to provide their update and insight. The firmed-up report of the Task Force will be presented in a joint special session with LDCs-AS in Lahore, Pakistan at the time of 20th ICID Congress, and that the final joint report of LDCs will be presented at the IEC meeting to be held in 2009 at Abuja, Nigeria.

### 6.4 Task Force on Financing Water for Agriculture (TF-FIN)

#### Terms of Reference (ToR)

The focus of the TF will be to get a better understanding and insight (assessment) of:

- the demand for financing;
- for whom are those investments in agriculture water;
- the present financing mechanisms, constraints met from the demand side and
- the changes and innovations for more appropriate mechanisms to enable better access to finance.

#### Members:

(1) Ir. Paul van Hofwegen, Chairman (The Netherlands); (2) Mr. Eric Viala, Vice Chairman (USA) and (3) Er. M. Gopalakrishnan, Secretary General, ICID.

#### Proposed Members:

(1) Mr. Zainor Rahim bin Ibrahim (Malaysia); (2) VPH. Dr. Henri Tardieu (France); (3) Mr. C.S. Mathur (India); (4) Ms. Sadiye Yalçin (Turkey); (5) Mr. E. Farhadi (Iran); (6) Mr. Bashir Ahmed Sial (Pakistan) and (7) Dr. Vijay K. Labhsetwar (Coordinator).

#### Activities carried out:

TF-FIN held its 1st meeting on 30 September 2007 at Sacramento in which 6 members and 13 observers including members honoraire belonging to 12 countries (The Netherlands, USA, Malaysia, Turkey, Iran, India, UK, Canada, China, France, Italy and South Africa) were present.

During the meeting, the TF-FIN discussed mandate/objective and work plan. It was agreed to focus on the work

for getting better understanding and insight in the demand side of financing water for agriculture and the need for more appropriate financing mechanisms because of the fast changing environment of the agriculture sector due to increasing demands for food (population growth and related diet change habits). The competitions from agro-fuels, consequent increases in market prices of staple agro products and the need for climate change adaptation are the issues to be kept in view. A paper for discussion as a contribution to the WWF 5 scheduled in Istanbul, Turkey in 2009 was planned.

## 6.5 Task Force on Role of Irrigation on Poverty Alleviation and Livelihoods (TF-POVERTY)

### Terms of Reference (ToR)

- Synthesize our specific knowledge and experience from the irrigation sector –“clean our house first”–, to design pro-poor actions in a wider understanding of irrigation, i.e. from full-irrigation to supplementary irrigation along the whole rainfed-irrigated continuum (aka agriculture water management).
- Looking for technical solutions that work, within a clearly defined socio-economic context, so that it can be mobilized on a case specific approach.
- Multiple-use irrigation systems could be emphasized as a specific approach to alleviate poverty in this context.

### Members

VPH. Dr. Alain Vidal, Chairman (France, 2007).

### Present Composition of the Network:

Summer Allen (UC Davis); Wouter Linklaen Arriens (ADB); Rudolph Cleveringa (IFAD); Simon Cook (CPWF - BFP); Salah Darghouth (WB); Anisa Divine (USCID); Jean-Marc Faurès (FAO); Annette Huber-Lee (CPWF); Intizar Hussain (INPIM); Nancy Johnson (CPWF); Andrew Keller (Keller-Bliesner Engineering); Peter Lee, President, ICID; Ian Makin (ADB); Monique Mikhail (IDE); Audrey Nepveu (IFAD); Christelle Pezon (AgroParisTech); Paul Polak (IDE); Mary Renwick (Winrock); Julianne Roux (WB); VP Mark Svendsen (USCID); VPH Henri Tardieu (AFEID); Barbara Van Koppen (IWMI); Linden Vincent (WUR); Steve Vosti (UC Davis); Dennis Wichelns (University of Hanover); Jonathan Woolley (CPWF); Bob Yoder (IDE) and Er. M. Gopalakrishnan, Secretary General, ICID.

### Activities carried out:

An International Workshop on the 'Role of Irrigation on Poverty Alleviation and Livelihood' was held at Sacramento on 4 October 2007 to initiate its mandated task while availing stakeholders'

view points. The workshop was attended by participants from different interest groups like - concept-oriented groups, large investments (The World Bank, IFAD) promoters and NGOs working on practical aspects at local scales (for more details, please turn to page 47).

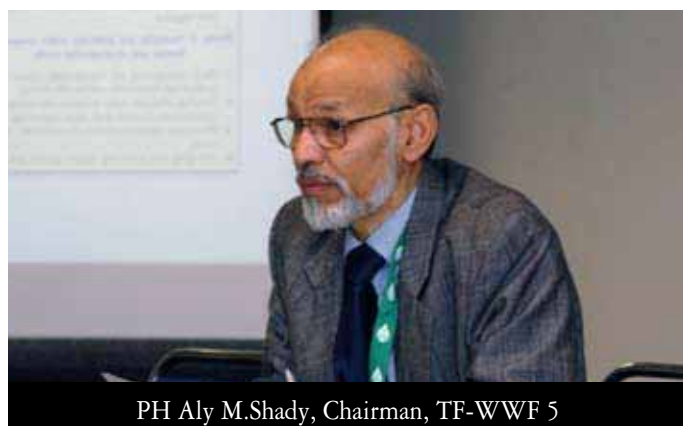
## 6.6 Task Force to Guide ICID Inputs to WWF 5 (TF-WWF 5)

### Terms of Reference (ToR)

- To liaise with WWF 5 Program Committee and other International Bodies;
- To provide overarching lead role on behalf of ICID for inputs to WWF 5 by liaising with -
  - (i) National Committees for inputs to the themes and sub-themes of the WWF 5 that are of direct relevance to ICID.
  - (ii) Coordinating with Workbodies on specific subjects related with WWF 5.
- To liaise with Turkish National Committee (TUCID) for preparatory work of WWF 5.
- To coordinate joint contributions with other water-related International Organizations.
- To suggest ICID inputs for WWF 5 for consideration in IEC.

### Members

(1) PH Aly M. Shady, Chairman (Canada); (2) PH Dr. Bart Schultz, Coordinator (The Netherlands); (3) President Peter S. Lee (UK); (4) VPH Dr. Chandra A. Madramootoo (Canada); (5) VPH Prof. Hector Malano, Chairman, PCTA (Australia); (6) VPH Dr. Alain Vidal; (7) VPH Prof. Riota Nakamura (Japan) ; (8) VPH Prof. Victor A. Dukhovny (Uzbekistan) ; (9) Dr. (Mrs.) Shadan Abdel Gawad (Egypt); (10) Turkish National Committee Representative and (11) Er. M. Gopalakrishnan, Secretary General, ICID.



PH Aly M. Shady, Chairman, TF-WWF 5

## Activities carried out:

TF-WWF5 held its 1st meeting on 1 October 2007 at Sacramento in which 8 members and 7 observers belonging to 9 countries (Canada, The Netherlands, UK, France, Japan, Egypt, Turkish, India and South Korea) participated.

The Chair made a review on ICID contribution to the WWF 4 in Mexico and outlined how ICID could fare at WWF 5 in Istanbul, Turkey in March 2009 by increasing participation on the main issues related to food, fiber and fuels that depend on agriculture sector. President Peter Lee highlighted the new partnership agreement between ICID and WWC and his participation in various preparatory meetings as a run up to the WWF 5. He stressed the need for ICID to organize its input in collaboration with other leading organizations active in the sector at the regional, national and global levels.

Ir. Paul van Hofwegen of WWC made a presentation on the planned thematic aspects of the WWF 5 highlighting the main theme: "Bridging Divides: Water for Sustainable 21st Century". The coordinator of the TF, PH Prof. dr. Bart Schultz presented a concept note on Agriculture, Food and Water and cautioned by saying that the future food gap is getting wider and prices are getting higher especially for LDCs. Dr. Hasan Basri Yuksel, TUCID's representative to TF, confirmed the thematic approach presented and added that several preparatory meetings are in queue including a number of regional meetings, aiming at collecting the input of the various stakeholders, including ICID, towards the Forum.

It was decided at the end of the TF meeting, that (i) ICID would take lead in identifying key questions with greater emphasis on contemporary issues related to Water and Agriculture and Future Challenges of the 21st Century in the field; (ii) ICID should seek partnership arrangements with major stakeholders and knowledge-based organizations to formulate background papers, design sessions and presentations at the WWF 5; (iii) ICID should mobilize members of WGs, RWGs and NCs to make contributions to the thematic, regional and political processes; (iv) ICID Office-Bearers should participate in the preparatory process of WWF 5 and (v) ICID CO would act as a focal point for coordinating all these activities.

ICID has been identified as the Coordinator and provide a lead role on Theme 2: "Advancing Human Development and the Millennium Development Goals" and the Topic 2.3 "Water for Food for Ending Poverty and Hunger". President Hon. Prof. Bart Schultz, in cooperation with VPH Dr. Henri Tardieu had floated the draft document. The scoping paper is accessible in the forum website ([www.worldwaterforum5.org](http://www.worldwaterforum5.org)). In addition to the above, ICID also expects to provide

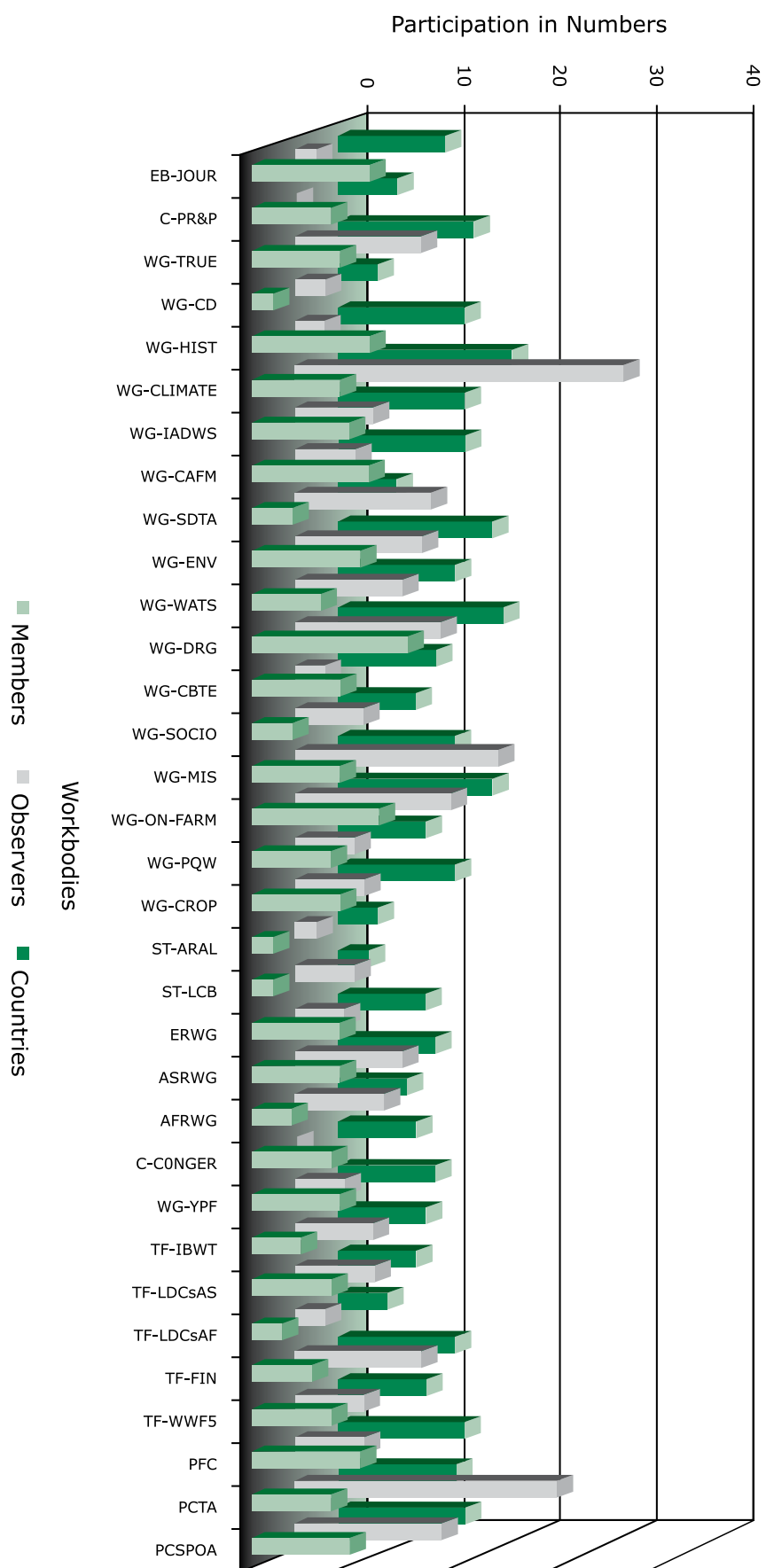
its inputs through its WBs wherever feasible and possible for the following themes/topics:

<b>Theme 1 :</b>	<b>Global Changes and Risk Management</b>
Topic 1.1	Adaptations to Climate Change
Topic 1.3	Mitigating Disasters
<b>Theme 2 :</b>	<b>Advancing Human Development and the MDGs</b>
Topic 2.1	Ensuring water, sanitation and hygiene for all (i) ensuring adequate infrastructure and (ii) protecting public health in the short term
Topic 2.2	Water for energy, energy for water
Topic 2.3	Water and food for ending poverty and hunger
Topic 2.4	Multiple uses of water e.g. water supply and irrigation
<b>Theme 3 :</b>	<b>Managing and Protecting Water Resources and their Supply Systems to Meet Human and Environmental Needs</b>
Topic 3.2	Ensuring adequate water resources and storage infrastructure to meet agricultural, energy and urban needs
Topic 3.3	Preserving natural ecosystems
<b>Theme 4 :</b>	<b>Governance and Management</b>
Topic 4.2	Improving performance of water Service through regulatory approaches
<b>Theme 5 :</b>	<b>Finance</b>
Topic 5.2	Pricing strategies to ensure fairness and sustainability in water service delivery
<b>Theme 6 :</b>	<b>Education, knowledge and capacity building</b>
Topic 6.3	Using professional networks and associations to strengthen the water sector

The list of recommended involvement of WGs in relevant topics of WWF 5 was uploaded on the ICID website under the link <http://www.icid.org/wwf5>. ICID's position on its proposed/possible contributions towards WWF 5 themes/topics has also been listed.



## Participation of Members/Observers/Countries in ICID Workbody Meetings



# Network of ICID Members

AS ON 31 MARCH 2008

## Members 'Active'

1. Australia	17. Germany	33. Lithuania	49. Saudi Arabia
2. Austria	18. Great Britain	34. Macedonia	50. Serbia
3. Bangladesh	19. Greece	35. Malaysia	51. Slovenia
4. Brazil	20. Guyana	36. Mali	52. South Africa
5. Canada	21. Hungary	37. Mexico	53. Spain
6. Chile	22. India	38. Morocco	54. Sri Lanka
7. China	23. Indonesia	39. Myanmar	55. Switzerland
8. Chinese Taipei Committee	24. Iran	40. Nepal	56. Syria
9. Croatia	25. Iraq	41. Netherlands	57. Thailand
10. Cyprus	26. Ireland	42. Nigeria	58. Turkey
11. Czech Republic	27. Israel	43. Niger	59. Ukraine
12. Egypt	28. Italy	44. Pakistan	60. USA
13. Estonia	29. Japan	45. Philippines	61. Uruguay
14. Ethiopia	30. Kazakhstan	46. Portugal	62. Uzbekistan
15. Finland	31. Korea, Rep. of	47. Romania	63. Zambia
16. France	32. Kyrgyz Rep.	48. Russia	

## Members 'Deemed Inactive'

64. Algeria	72. Ghana	80. Malawi	88. Surinam
65. Angola	73. Honduras	81. Mozambique	89. Tanzania
66. Argentina	74. Ivory Coast	82. Panama	90. Tajikistan
67. Belgium	75. Jordan	83. Peru	91. Tunisia
68. Bulgaria	76. Kenya	84. Poland	92. Uganda
69. Colombia	77. Lebanon	85. Senegal	93. Venezuela
70. Dominican Republic	78. Libya	86. Slovak Republic	94. Vietnam
71. Ecuador	79. Madagascar	87. Sudan	95. Zimbabwe

## Members 'Withdrawn in the past on their Own'

96. Cuba	97. Denmark	98. New Zealand
----------	-------------	-----------------

## Members 'Admitted but yet to pay their Subscription'

99. Azerbaijan	101. Chad	103. Mongolia	105. Turkmenistan
100. Burkina Faso	102. Mauritius	104. Sao Tome & Principe	106. Yemen

## Regionwise Status of ICID Country Memberships as on 31 March 2008

Region	Active	Deemed to be inactive	Admitted but not paid Subscription	Withdrawn	Total
Africa	8	15	4	-	27
Americas	7	9	-	1	17
Asia & Oceania	24	4	4	1	33
Europe	24	4	-	1	29
Total	63	32	8	3	106

# World Water Day 2007 Celebrations

"Coping with Water Scarcity"

The international observance of World Water Day (WWD) is an initiative that grew out of the United Nations Conference on Environment and Development (UNCED) held in 1992 in Rio de Janeiro. Since then 22 March of every year was declared as World Day for Water. This is being observed since 1993 annually. 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 highlight of each year's WWD celebrations :

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
2007 :	Coping with Water Scarcity

The theme of the WWD 2007 "Coping with Water Scarcity" highlights the increasing significance of water scarcity worldwide and the need for increased integration

and cooperation to ensure sustainable, efficient and equitable management of scarce water resources, at international, national and local levels.

## UN Secretary General Ban Ki-moon's message on WWD 2007

Water scarcity can be physical, economic or institutional, and can fluctuate over time and space. Today, about 700 million people in 43 countries suffer from water scarcity, and by 2025 this figure could increase to more than 3 billion people. The state of the world's waters remains fragile, and the need for an integrated and sustainable approach to water resource management is as pressing as ever. Available supplies are under great duress as a result of high population growth, unsustainable consumption patterns, poor management practices, pollution, inadequate investment in infrastructure, and low efficiency in water use. Yet even more water will be needed in the future: to grow food, to provide clean drinking water and sanitation services, to operate industries and to support expanding cities. The water-supply demand gap is likely to grow wider still, threatening economic and social development and environmental sustainability. Integrated water resources management will be of crucial importance in overcoming water scarcity. So will international cooperation, since many of the world's rivers and aquifers are shared among countries. Such cooperation can also promote harmonious cross-border ties in general. The Millennium Development Goals have helped to highlight the importance of access to safe drinking water supplies and adequate sanitation, which undeniably separates people living healthy and productive lives from those living in poverty and who are most vulnerable to various life-threatening diseases. Making good on the global water and sanitation agenda is crucial to eradicating poverty and achieving the other development goals. The way forward is clear: strengthening institutional capacity and governance at all levels, promoting more technology transfer, mobilizing more financial resources, and scaling up good practices and lessons learned. On this World Water Day, I call on the UN system and all stakeholders to forge stronger partnerships and take more concerted action, not only this year, but throughout the entire International Decade for Action: "Water for Life", 2005-2015.



By declaring the years 2005 to 2015 as the International Decade of Water for Life, the UN further seeks to set the world's goals on water related issues, with a greater focus striving to ensure (i) the participation of women in water related development efforts, (ii) further cooperation at all levels to achieve water related goals of Millennium Declaration, and (iii) Johannesburg Plan of Implementation of the World Summit for Sustainable Development and Agenda 21. ICID is one of the key water-related international non-governmental organizations supporting the UN observance of the WWD; various NCs of ICID celebrated the WWD 2007 in line with the overall objective.

## Bangladesh (BANCID)

BANCID organized a meeting on the occasion of the WWD on 22 March 2007 in the Conference Room of Joint Rivers Commission, Bangladesh. The meeting was chaired by Mr. H.S. Mozaddad Faruque, Director General, Bangladesh Water Development Board and Chairman, BANCID. A number of eminent Water Experts, Academicians and Scientists from water related organizations attended the meeting besides the members of BANCID. After the meeting, a presentation on "Environmental Flow Assessment in Bangladesh" was made by Professor M. Fazlul Bari, Head, Department of Water Resources Engineering and Vice- Chairman, BANCID. Lively discussions took place on the presentation.

## India (INCID)

INCID celebrated the WWD 2007 with a focus to draw the attention of the people to the importance of water in life.

The Ministry of Water Resources (MoWR), Government of India and INCID organized a function graced by Dr. Manmohan Singh, Hon'ble Prime Minister of India, Hon'ble Minister of Agriculture Mr. Sharad Pawar and Hon'ble Ministers of Water Resources and other dignitaries. While inaugurating the function, the Indian Prime Minister Dr. Manmohan Singh brought to the attention of the gathering that India is most vulnerable to the global climatic changes and such changes can have devastating effects on the country's glaciers, rainfall patterns and rivers. Describing water as the most critical emerging constraint on India's agricultural development, he emphasized the need to augment water supply through conservation and reuse. "There is an urgent need to rationalize water use in agriculture by getting 'more crops per drop'. This requires economic pricing of water as well as community based cooperation in water use," he mentioned. Concerned over how rivers are getting polluted the Prime Minister pointed out that (to quote) "We worship our rivers, yet we treat them with shocking disregard". Water Resources Minister Saifuddin Soz spoke on the theme 'Conservation of Water-Save Life'. There was a technical session chaired by Mr. S.K. Das, Chairman, Central Water Commission (CWC) and



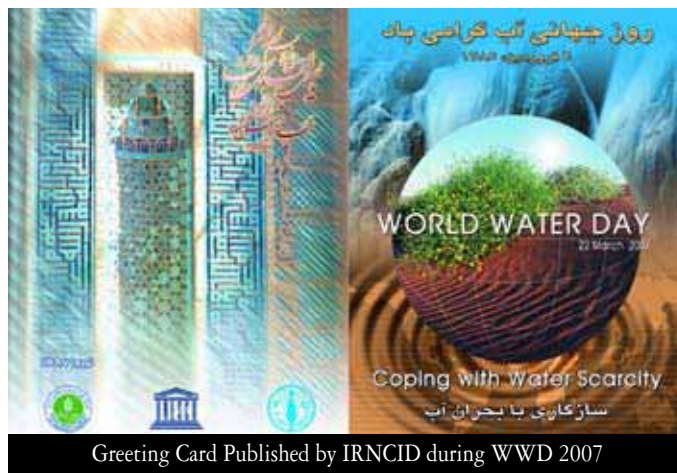
PM Dr. Manmohan Singh (Centre), Union Minister Prof. Saif-ud-din Soz(R) and Minister of State Shri Jay Prakash Narayan Yadav(L) for Water Resources

Indian National Committee of ICID (INCID). The topic was 'People's participation in conservation of water resources and preservation of its quality'. Dr. Kanwar Sain Memorial Lecture on 'Rising to the Challenges Posed by Floods and Droughts in India' was delivered by Prof. R. Rangachari, Visiting Professor Centre for Policy Research on the occasion.

The year 2007 had been declared as 'Water Year' by the Government of India. In a parallel function on the same day, the South Asia Global Water Partnership (SASTAC) organized its First South Asia Water Stakeholders Roundtable Meeting. Mr. Saifuddin Soz, Hon'ble Union Minister of Ministry of Water Resources inaugurated the function. Mr. Kirit Parikh, Member, Planning Commission delivered the valedictory address. Mr. Suresh Prabhu, Chairman, SASTAC moderated the panel discussion on "Water for all, for ever, ensuring equity and sustainability". The featured speaker Mr. Anupam Mishra of Gandhi Peace Foundation delivered a talk on "Water Wisdom of the Desert People of Rajasthan".

## Iran (IRNCID)

On the occasion of WWD 2007, IRNCID along with FAO-Iran and UNESCO Tehran, has published a Greeting Card, which was sent to all water and irrigation related organizations, companies and institutions as well as IRNCID members on WWD 2007.



Greeting Card Published by IRNCID during WWD 2007

In collaboration with other relevant organizations, a one day Seminar on “Water and Civilization” was held in the beautiful historical city of Isfahan on the same occasion. In the Seminar, Professors and Experts presented 22 papers. Two professional workshops with the topics of Documentation of “Water Engineering Projects” and “Proper Methods of Historical Water Structures Renovation” via film and slide were held. An exhibition on industrial and scientific achievements and capabilities of the internal companies in the field of Water, Dam Construction, Irrigation and Drainage was also arranged. Dr. R. Zargar, Deputy Minister of Energy for Water and Wastewater Affairs and the Chairman of IRNCID, presented a speech on Water and Irrigation History and Development Trend of the Projects in Iran.

### Malaysia (MANCID)

Malaysian National Committee on Irrigation and Drainage (MANCID) in cooperation with five other organizations, organized a seminar during 15-16 April 2007 at Kuala Terengganu in Malaysia. The seminar was inaugurated



PH. Keizrul bin Abdullah inaugurating the Seminar

by PH. Datuk Paduka Ir Hj Keizrul bin Abdullah, Director General of Department of Irrigation and Drainage, Malaysia. In line with the current theme “Coping with Water Scarcity”, a keynote paper was presented by VP Ir. Mohd. Abdul Nassir bin Bidin, Hon. Secretary of MANCID presented a keynote paper.

The seminar was organized in four sessions over two days period, which discussed various aspects of water scarcity and



MANCID members on site visit

highlighted the better understanding of the Water Resources and Water Management in Malaysia. In all 15 papers were presented. The seminar was attended by 103 participants comprising eminent experts, professors, academicians and scientist from different organizations and students from local universities. Besides, MANCID also organized site visits to Pulau Kapas, Muara Sungai and Kuala Terengganu Centres.

### The Netherlands (NETHCID)

The NETHCID organized a symposium on 22 March 2007 marking the WWD 2007 celebrations. The subject for the



Prof. Dr. Ir. Nick van de Giesen welcoming the Audience

symposium was ‘Water Management for Food Production in Africa’. President Hon. Bart Schultz inaugurated the symposium. Chairman NETHCID, Prof. Dr. Ir. Nick van de Giesen, Delft University of Technology, welcomed the audience and introduced the subject of the symposium. He informed that Agriculture for Food Production in Africa



NETHCID members participating in the Symposium

mainly takes place without any measures in the field of water management. Only 8% of the agricultural area is provided with a water management system, which is generally an irrigation system. The least developed countries of Africa depend for a substantial part of their food production, on imports or food aid. Among others, Prof. dr. Linden Vincent, Wageningen University discussed the issues related with ‘Transformations and Expectations in Smallholder Irrigation in Africa’.



# ICID Day Celebrations



Managing Water for Sustainable Agriculture



ICID•CIID

ICID was established on 24 June 1950. To commemorate the event each year ICID organizes 24th June as 'ICID Day'.

## Germany (GECID)

To celebrate the 58th ICID Day, an experts' discussion was scheduled in the Secretariat of the German National Committee of ICID (GECID) on the issues related to irrigation and drainage in the Aral Sea Basin on 20 July 2007.

Scientists of the Centre of Development Research (ZEF) at Bonn as well as Leibniz-Centre for Agricultural Landscape Research (ZALF) at Muncheberg participated in the meeting. During the occasion the ZEF projected its study on Economic and Ecological Restructuring of Land and Water Use in the Khorezm Region (South of Aral Sea, Uzbekistan) and discussed. The ZEF in cooperation with VPH Victor A. Dukhovny (Uzbekistan) and other stakeholders of the region is responsible for executing the project. Presently, the project is evolving through the 3rd phase of its development. On conclusion of the meeting, the experts conducted a study tour to polder areas situated in the western floodplain of the Oder River Basin.

## ICID Central Office, New Delhi

Since this year's ICID Day happened to be a Sunday, the CO celebrated the 58th ICID Foundation Day on 6 June 2007 to benefit from a talk by a guest speaker from Australia.

Mr. Andy Marr, Principal Natural Resources Engineer, Snowy Mountains Engineering Corporation (SMEC) International, Australia was the guest speaker of the occasion. He was engaged to lead the evolution of 'Decision Support Systems' that addresses the Basin Plans in Ghaghra – Gomti Basin Water Sector Restructuring Project (UPWSRP). Mr. Andy Marr delivered a talk on 'The Future of Basin Management in India – Comparison with Australian Experience' and compared the lessons learnt in respect of Murray Darling Basin and possible core thrust areas for action for better water management in India.

A congregation of nearly 30 lead experts in the Irrigation and Drainage Sector gathered on invitation from ICID Central Office and exchanged ideas. The list of dignitaries participated included past office bearers of ICID like Secretary General Hon. R.S. Varshney, Vice President Hon. R. Jeyaseelan, former Chairman of INCID, besides experts from lead organizations and societies like International Water Management Institute (IWMI), Central Water Commission (CWC), Indian Water Resources Society (IWRS), Central Board of Irrigation and Power (CBIP), National Water Development Agency (NWDA), Indian National Committee of ICID (INCID). Secretary General Er. M. Gopalakrishnan welcomed the dignitaries.

Secretary Mr. K.N. Sharma gave a brief introduction on the current activities of ICID. The Professionals and Staff of Central Office celebrated the day with enthusiasm and introduced ICID Publications and Journals and extended thanks on behalf of ICID family to the gathering.



Secretary General welcoming Mr. Andy Marr (L)



Secretary KN Sharma giving an introduction on ICID activities



# 58<sup>th</sup> IEC Meeting of ICID



The U.S. National Committee of ICID (USCID) hosted the 58th International Executive Council (IEC) Meeting on 5 October 2007 in Sacramento, California, USA. The major events other than the 58th IEC held in conjunction were the USCID 4th International Conference on Irrigation and Drainage, over 30 ICID Workbody Meetings and 7 Workshops/Special Sessions. National Committee Stalls, Exhibitions featuring about 40 companies and the Study Tours. The events were held during the period from 30 September to 5 October 2007. The events were organized at Sacramento Convention Center with great passion and dedication by the USCID professionals under the dynamic leadership of VP Mark Svendsen, President, USCID, USCID Organizing Committee Chairman Mr. Albert J. Clemmens and VPH. Larry D. Stephen, Executive Vice President, USCID in cooperation with Bureau of Reclamation, California Department of Water Resources.

Welcoming the delegates, President Peter Lee in his opening remarks mentioned: “ICID is a premier international organization concerned with Managing Water for Sustainable Agriculture and is the only organization of this type speaking specifically for Water for Agriculture in the world. ICID continued to invigorate its workbodies and develop purposeful relationships with other international organizations concerned with Managing Water for Sustainable Agriculture, as well as Water for Food and Rural Development”.

**VPH Alain Vidal presented the MB report** (in French) with the help of a PowerPoint (in English). Dr. Vidal informed that the MB approved the subscription rates for the ICID Journal for the year 2008, which were US\$ 33 for ‘online only’ and US\$ 39 for ‘online + print’ version for ICID members, while the number of issues for the journal will remain 5 of 128 pages each.

**VPH Alain Vidal while presenting the PCSPOA report** mentioned that PCSPOA was driven by active Vice Presidents who demonstrated their strong linkages with the National Committees within their allocated regions.

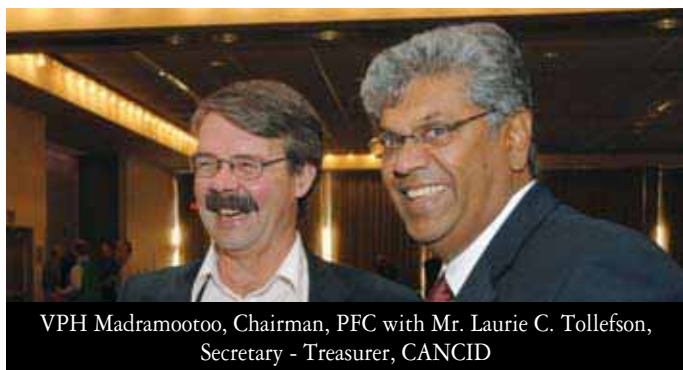
**Dr. W. F. Vlotman while presenting the PCTA report** to the Council recommended that the Top 10 Technologies capable of revolutionizing food production should get a higher status and could be formulated into a position paper of ICID.

**VPH Chandra Madramootoo on PFC** mentioned that the registration fees at annual events of ICID would depend upon the number of delegates registered, sponsorships received and cost base prevailing. He recommended that there should be ICID share of registration fee for not only the Congress but also all IEC connected events organized by the host National Committee.

## Presentation by Dr. W. F. Vlotman on Strategy Theme ‘Systems’

Dr. W. F. Vlotman Theme Leader, ‘Systems’ made his presentation on the Strategy Theme ‘Systems’. Highlighting “TRIPLE” which referred to areas for improvement of water management systems with reference to three key indicators in different involved strategies, the Theme Leader dealt with the three concepts (i) Integrated Water Resources Management, (ii) Triple Bottom Line (Environment, Economics and Social/Cultural Dimensions) and (iii) Modernization. He added:

The three indicators for appropriate application of integrated water resources management considered were (i) whole of catchment approach, (ii) actual measurement year around, and (iii) appropriate use of long-term average values. The Triple Bottom Line report was not a new concept (which was referred to frequently at the Johannesburg World Summit on Sustainable Development) and had been updated by the Global Reporting Initiative (GRI). He presented a graphics showing ICID workbodies in the Triple Bottom Line frame for each of the 4 strategy themes of ICID workbodies coming under PCTA and said that this represented a preliminary benchmark for the ICID themes and could be further worked upon. He concluded that sustainable development was achievable only through Triple Bottom Line application in a ‘negotiated balanced’ way.



VPH Madramootoo, Chairman, PFC with Mr. Laurie C. Tollefson, Secretary - Treasurer, CANCID



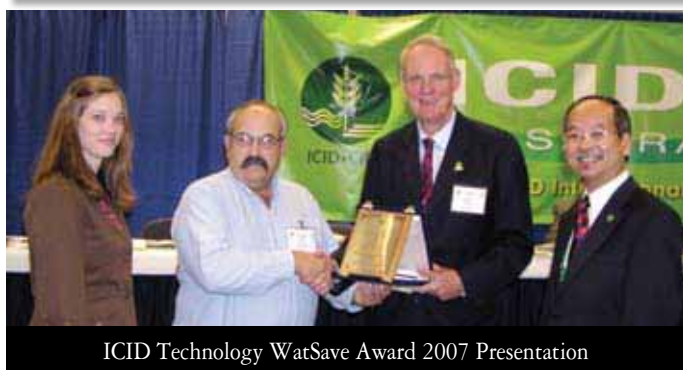
Dr. G.R. Backeberg Receiving the Best Paper Award 2007 from President Peter Lee



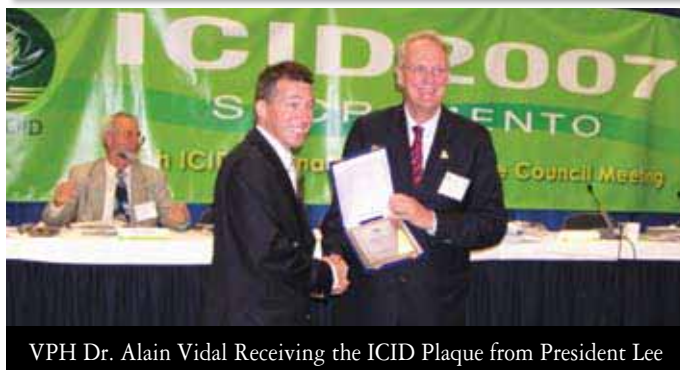
President Peter Lee with Exhibitors



Signing of MoU between IRNCID and GECID/AWHG



ICID Technology WatSave Award 2007 Presentation



VPH Dr. Alain Vidal Receiving the ICID Plaque from President Lee

## ICID WatSave Awards 2007

ICID has instituted 'WatSave Awards' to recognise persons for their 'outstanding contributions to water saving in agriculture' around the world. The awards are given annually in three categories viz. (i) Technology, (ii) Innovative Water Management, and (iii) Young Professionals. Each award carries a prize money of US\$ 2000 and a Citation. USCID took privilege of sponsoring ICID WatSave Awards 2007.

President Hon. Keizrul bin Abdullah who chaired the Panel of Judges on WatSave Awards informed the Council that the evaluation was done on the basis of significance of the water saving and/or yield increases actually achieved, period of work covered, water quantity handled, irrigation area covered and management method adopted. Based on the Panel of Judges recommendations, President Hon. Keizrul declared Dr. Abraham Singel of South Africa as the ICID 2007 WatSave 'Innovative Water Management Award' and Mr. Messrs Werner and Mr. Herbert Arns of Brazil as the ICID 2007 WatSave Technology Award winners. Only one nomination was received for the WatSave Young Professionals Award. The Panel decided not

to recommend any award in this category for the year 2007.

## ICID Innovative Water Management Award 2007

Dr. Abraham Singels, South Africa is a Principal Agronomist at S.A. Sugarcane Research Institute. He holds Masters in Agronomy and Ph.D. in Agro meteorology. Dr. Singels has 17 years of experience in graduate and post graduate teaching and 9 years' experience in research management. He is a recipient of several prestigious awards and has a membership of many professional societies. Dr. Singels has published more than 166 technical publications including 25 referred scientific publications. Dr. Abraham Singels received the ICID WatSave Innovative Water Management Award 2007 for his work on the development and implementation of a system to utilize the potential of sophisticated information and communication technology (crop modeling, mobile phone technology, internet, automatic weather stations), combined with participatory methods to achieve substantial improvement in water use efficiency and sugarcane yields for the benefit of small-scale growers.

Dr Abraham Singels and his team developed the 'MyCanesim



system' having three main features viz., (1) use of state-of-the-art technology, (2) limiting users' exposure to system complexity, and (3) participation of users in system design and implementation. The MyCanesim system was implemented on a pilot scale on two small-scale irrigation schemes at Pongola and Makhathini, South Africa, using semi-permanent and portable overhead (sprinkler) irrigation, with an average irrigation interval between 7 and 10 days. The project started with 7 farmers in 2004, which gradually increased to the current 39 farmers, who together cultivate some 400 ha of sugarcane. Simulations suggest up to 25% water saving (200 mm per annum).

### ICID Technology Award 2007

Mr. Messrs Werner and Herbert Arns (Brazil) have jointly received the WatSave Technology Award 2007. Mr. Werner Arns, holds a degree in Rural Business Administration and is a farmer by profession. He has 32 years of experience in irrigated rice farming and is a founder of the Club for Direct Planting of Irrigated Rice. Mr. Herbert Arns holds a degree in Agronomic Engineering and is a farm manager to look after technical aspects of Werner's farm. He is specialized in the area of irrigated rice including seed science.

Messrs Werner and Herbert Arns received the award for their work on water savings in growing rice using a center pivot sprinkler system instead of the traditional surface irrigation. They have succeeded in reducing irrigation water use by over 50 %. The center pivot has allowed for even more conservation in the spring months (October-November), when it is sufficient to irrigate every 2-4 days due to the temperate climate. Besides 50 % water savings, there has also been a dramatic decrease in the production cost, to the extent of 20%. Another advantage of using center pivots to grow rice is that it facilitated crop rotations over the years, adding valuable nutrients to the soil and improving its texture. Messrs Arns have also discovered the benefits of practicing minimum tillage which lead to saving time, reducing runoff, and improving soil productivity. To maximize the crop yields, Arns experimented with different seed varieties, seeding densities, and application rates of fertilizers and herbicides on various plots using the center pivot. They have also managed to reduce the seeding rate from 200 - 250 kg/ha in 1999, to the current 100 kg/ha. As a result of the various new practices, they were able to harvest at least 6500 kg/ha of rice each year, besides reducing pumping water requirements by over 60 %. Despite some increases in crop inputs, overall savings and comparable yields have far outweighed the added costs. With their current savings, they expect to pay off the use of center pivots machine in five or six years.

### Best Paper Award 2007 to Dr. G.R. Backeberg (South Africa)

President Hon. Bart Schultz (The Netherlands), Chairman Editorial Board, ICID Journal highlighted that the selection criteria for the award were that the submission should be innovative, scientifically sound and contribute to a better understanding of the development and management of irrigation, drainage and flood control systems. The selected best paper for 2006 was "Reform of user charges, market pricing and management of water: Problem or opportunity for irrigated agriculture" which was published in Vol.55.1. He declared the name of the author Dr. G.R. Backeberg (South Africa) as the winner of the best paper award 2007.

### Signing of Memorandum of Understanding between the ICID National Committees

A Memorandum of Understanding between the Iranian National Committee (IRNCID) and German National Committee (GECID) and German History Water Association (AWHG) was signed during the 58th IEC meeting held at Sacramento, California, USA. The signatories of MoU agreed that much can be learnt from the study of ancient hydraulic structures as well as water management techniques, policies, methods and governance adopted. As these have very long and valuable tradition in Iran, the collaboration will yield a lot by way of mutual sharing experience and knowledge. Research projects will be carried out with an aim not only to document ancient data but also to check whether, where and when the ancient structures probably can be re-established and used.

### Plaques to Retiring Vice Presidents / Chairs of Workbodies

The retiring Vice Presidents/Chairs of Workbodies were honoured with Plaques:

#### Retiring Vice Presidents (2004-2007):

- Dr. YooMan, HUH (Korea)
- Dr. Hussein El-Atfy (Egypt)
- Dr. G.G. Guluyk (Russia)

#### Retiring Chairs of Workbodies:

- VPH Dr. Alain Vidal, France (Chairman, PCSPOA)
- VPH Engr. I.K. Musa, Nigeria (Chairman, AFRWG)
- VPH Dr. S. Nairizi, Iran (Chairman, WG-IADWS)
- VPH Dr. S. Taniyama, Japan (Chairman, TF-LDCsAS)
- Prof. Tom Franks, UK (Chairman, WG-CBTE) and
- Ir. Dick de Bruin, Netherlands (Chairman, WG-CAFM)

### Closing Remarks by President, ICID

President Lee thanked the members for a very successful Council Meeting where historical decisions were taken and a review on ongoing technical activities to revitalize the Commission was made. He profusely thanked the members of the USCID for their wonderful support in organizing the IEC Meetings, Conference, Exhibitions and other Allied Events.



# Involvement of ICID in International Seminars/Workshops/Conferences



## 4th Asian Regional Conference and 10th International Seminar on Participatory Irrigation Management in Tehran, Iran

4th Asian Regional Conference and 10th International Seminar on Participatory Irrigation Management (PIM) were held in the beautiful city of Tehran, Iran from 2 to 5 May 2007. The event accommodated an International History Seminar and a 2nd Special Session of TF-LDCsAS in parallel sessions.

Dr. Salah Darghouth, Chairman, INPIM and Water Advisor, The World Bank, in his welcome address said: "The organizers have got excellent response to the call for papers and received 110 papers matching well with the conference and seminar's themes. Participatory Irrigation Management (PIM) approach to irrigation management assumes greater significance as worldwide demand for water is increasing and in many places water availability is falling to critical levels creating intense sectoral competition in most settings in the world".



*His Excellency Mr Parviz Fattab, Minister of Energy of I R of Iran in his opening address said that since ancient era, limited availability of*

*water resources in the country has made the Iranians think profoundly on how to conserve, store, use and manage the available water resources within the catchments preventing water wastages. Iran has a successful model of Participatory Irrigation Management (PIM) in the millennia old Miraab system for managing the karezes and qanats in the arid and semiarid regions. The Iranian Government has embarked plans so as to decrease the financial burden of the Government in respect of water resources management by assigning conservation, maintenance and operation to the people through Water User Associations (WUAs). Promoting PIM/ WUAs in the water resources development and management plans is one of the Iranian Government's important policies for optimum usage of country's land and water resources.*



*His Excellency Dr Rasool Zargar, Deputy Minister of Water Affairs and Chairman, IRCID in his inaugural speech added: The Government of Iran*

*had made huge investment in water resources development by way of construction of multi-purpose dams and large irrigation and drainage network for achieving over all economical growth in water and agriculture sectors. As a result, 195 multi-purpose large dams and 320 small dams are completed while 80 and 176 dams are respectively under construction and planning stages. The country has expertise and rich experience in dam building, as well as in operation, maintenance and management of irrigation and drainage systems. Iran is ready to extend technical cooperation with international entities and the National Committees of ICID, Dr. Rasool concluded.*

President Peter Lee in his opening speech covered several aspects on the irrigated agricultural water management by touching upon crucial issues like multiple uses of water, flood management, virtual water trade off etc. He added, "Iran, a country with a great tradition in irrigation has small schemes supplied by a stream off-take or a qanat. Storage of winter rain and spring snow melt is crucial for sustaining carry over supplies into the dry summer. It is welcome to hear of Iran's continuing investment in new dams to have further storage. In Iran, land that can be commanded by gravity tends to be limited due to terrain elevation and slope availability. So productivity in terms of crop output per unit of water used might be probably not that much high. Nevertheless, where the irrigated land is reasonably safe from flood damage then higher value crops like fruit, and multiple use of the water are alternative strategies for pushing up productivity. This is

how flood control, which is also accepted as a part of ICID's mission, can also contribute to productivity”.

It was most encouraging to see the strength of the private sector in Iran, and their involvement in the National Committee, and also the number of students and young professionals in attendance. Over the 900 professionals (including 140 from overseas), policy makers, researchers, managers from 40 countries and international organizations participated. All the events were organized and hosted by the Iranian National Committee on Irrigation and Drainage (IRNCID) and International Network on Participatory Irrigation Management (INPIM) and co-sponsored by Ministry of Energy, Ministry

of Jihad-e-Agriculture, Iran Water Resources Management Co, The World Bank, and International Water Management Institute (IWMI). The events were held at the world-class IRIB International Conference Centre (IICC), Tehran in an exemplary manner.

*Er. M. Gopalakrishnan, Secretary General, ICID in his concluding address mentioned:*

*“The goal enshrined in PIM objectives can be possible only when we consider both soft and hard options, which could differ in different settings. He cited in Kuala Lumpur statement on acknowledging ‘Agriculture is Business’.”*

## Tehran Declaration on Participatory Irrigation Management

The 4th ARC and the 10th INPIM Seminar provided an important forum to stakeholders for reporting and discussing issues, challenges and options for agricultural water management, specifically focusing on participatory approaches to irrigation management, sharing knowledge, experiences, lessons and promoting best practices and innovative ideas on PIM. Taking note of discussions, deliberations and recommendations of the stakeholders, the Tehran Declaration was released:

➤ Reaffirms the critical importance of irrigation for enhancing productivity, employment, farm incomes and food security – promoting agricultural and economic growth and reducing poverty. It is recognized that the positive impacts of irrigation can be substantially increased through interventions that address issues related to inequities in land and water distribution, water allocation within and across sectors, maintenance and management of irrigation infrastructure, access to improved production technologies and agricultural support measures – with greater emphasis on pro-poor approach to such interventions.

➤ Recognizes that there are enormous challenges and complex set of issues facing irrigation sector – from basin level to watercourse and field levels – but so are the opportunities. The forum emphasizes the need for reengaging in the sector and calls for increased investments from both public and private sources not only for expanding irrigation, where needed, but also for reforming and modernizing existing irrigation systems – with focus on right kind of investments with sound institutions that deliver larger benefits to the poor.

➤ Recognizes that PIM is now a widely accepted approach and its implementation is a worldwide phenomenon; there is a general consensus on the need for further promoting, strengthening and expanding PIM reforms in irrigation sector across countries; and in many countries PIM is becoming a central component of irrigation/water policies.

➤ Highlights that PIM approach delivers a number of positive outcomes and impacts for stakeholders, including the following: (a) empowers farmers, (b) leads to better system maintenance and service, (c) reduces cost of irrigation to the government, (d) improves productivity and profitability of agriculture and water use, and (e) leads to innovations in irrigation management and agriculture in general. However, the magnitude of such outcomes and impacts and the degree of PIM reform success and sustainability have varied across settings and have depended on a number of factors such as the clarity and strength of the institutional and legal framework, higher level political will and local level leadership, financial and technical resources, access to support services, incentive system, capacity building and training etc. Understanding these and other facilitating or constraining factors (institutional, financial, socio-economic, agricultural and hydrological) is important for further strengthening and expanding PIM reforms.

➤ Suggests that efforts being made in promoting PIM reforms should be continued and further strengthened, greater emphasis is needed on ensuring equity in sharing benefits of PIM reforms and sustainability of such benefits – under the pro-poor framework. The stakeholders call for broadening the framework of PIM from simple ‘transfer’ to an instrument of ‘restructuring’ the water sector for improving its performance, ensuring equitable water access and allowing transition to a sustainable and integrated management and use of water resources. It is suggested that the PIM approach can provide an important mechanism for tackling water resources management issues.

➤ Emphasizes the need for greater attention during post-intervention phase of PIM reforms, especially on the following areas:

- Support Services - long term support in consultation with farmers/ users while avoiding increasing dependency.
- Monitoring and Evaluation – multiperspective and

participatory approach with emphasis on a third party/private sector based on a set of robust indicators.

- c. Capacity Development - substantial and prolonged capacity development at the level of policy environment, institutional strengthening and individual development.
- d. System of Incentives to promote performance and innovation.
- e. Financial Strength - resource mobilization and revenue generation capacity of WUAs.

➤ Points out that so far PIM reforms have focused on 'downstream' side of reforms, that is, on establishing and strengthening WUAs, and only little attention has been paid to 'upstream side', that is, on reforming public irrigation agencies. For success of PIM reforms, reforming public irrigation agency is as important as establishing WUAs. There is a need to clearly define new roles and responsibilities of the public irrigation agency, and its capacity needs to be developed to enable it to adapt to its new roles.

➤ Encourages action research on PIM reforms through pilot testing within a framework for learning and scaling up.

Pilot experiments may be necessary to clarify modalities and generate support for innovation and for creating a common vision for developing a national strategy. Pilot activities for PIM should be continued even when PIM reforms are under full implementation, because they can tackle additional aspects of reforms requiring experimentation, especially for "second generation" issues, such as WUA federations, innovations in irrigation financing, charging and cost recovery, multifunctionality of WUAs, technology transfer through WUAs, asset management in transferred schemes, agency personnel changes, and development of private sector support services.

➤ Reiterates the importance of building capacity, promoting collaborations and partnerships across stakeholders at various levels; and promoting the exchange of information, knowledge, best practices and lessons learned on PIM reforms.

➤ Calls upon national governments, local, regional and international donors, development banks and partners to take facilitating role in promoting PIM reforms, help mobilize financial and technical resources from public and private sources, and provide required assistance to relevant organizations involved in promoting and strengthening PIM reforms.

### International Seminar on History of Irrigation and Drainage in Tehran, Iran

The seminar commenced recalling the fact that the seeds for the creation of WG (HIST) which is now the oldest were sown in Tehran, 30 years back. A total of 26 presentations from 8 countries, including 17 from Iran, were made in 5 parallel sessions. The keynote addresses were made by Dr H Fahlbusch, Vice Chairman of the German Water History Association on the overall development perspective on water management since the prehistoric times, Dr K Emami (Iran) on the challenges of the 21st century to combine historical knowledge/ wisdom with modern science and technology, and Mr B Farhangi on the Iranian ingenuity of constructing numerous water structures since olden times.

Following recommendations emerged from the seminar:

- Traditional water systems have multiple values in addition to economic or production value, including social, cultural, religious, and environmental values, which have been nurtured over a long term period,
- While achieving sustainable water development and management, a combination of traditional wisdom with modern science and technology is needed,
- Additional advantage should be taken to incorporate traditional wisdom into modern science and
- Engineers, politicians and general public should be made aware of the value of traditional wisdom and should learn from experiences.

### 2nd Special Session of Task Force for the LDCs in Asia in Tehran, Iran

The 2nd Special Session of the TF-LDCsAS was held on 3 May 2007. The theme of the Special Session was 'Affordable technology for the development and management of irrigation, drainage and flood control schemes in LDCs and other countries in Asia'. VPH Dr Nairizi, Iran, made a presentation on "Irrigation improvement and management through farmers' participation". Prof Dr M Satoh, Japan and Ms Tassanee, Thailand presented "The government's role in making participatory irrigation management successful". VPH Dr S Taniyama (Japan), Chairman of the TF, presented the draft

summary report of the 1st Special Session of the TF-LDCsAS held at Kuala Lumpur in September 2006. The 2nd Session touched upon the priority issues of irrigation in LDCs and proposed actions for overall upliftment of LDC's settings in Asia as well as world wide.

Besides the Conference/Seminars/Special Sessions, an impressive technical exhibition was held in which more than 30 consulting firms, companies and manufacturers from Iran and overseas showcased their latest products related to irrigation and



drainage. Post seminar technical tours were also arranged to Qazvin Province and Yazd City on 5 May 2007 and to Shiraz and Isfahan cities on 6-7 May 2007. These technical tours provided an understanding of not only rich and ancient water civilization of Iran but also of the modern and technological advances in the water resources development and management of the country. All these events were organized under the leadership of Hon Dr Rasoul Zargar – fully supported by Dr S A Assadollahi, VP Dr Karim Shiati, VPH Dr Saeed Nairizi, VPH Javad Farhoudi, Mr A R Salamat, Chairman, WG-YPF, and Mr Mehrzad Ehsani, Secretary, IRNCID. Other Office

Bearers who attended the events included VP Prof YooMan Huh (Korea), VP Mohd Azhari bin Ghazalli (Malaysia), VPH Shigetaka Taniyama (Japan), and VPH I K Musa (Nigeria).

Dr Karim Shiati, Vice President and Chairman, ASRWG in his closing address thanked all the delegates for their active participation in all the events and making the events to a grand success. As an outcome of the 4th ARC & 10th PIM, IRNCID has also brought out the proceedings of the events (abstracts of the papers in hard copies and full length papers in CD).

## 22nd European Regional Conference in Pavia, Italy



The 22nd European Regional Conference of ICID was successfully organized by the Italian National Committee of ICID (ITAL-ICID) in cooperation with the Agriculture General Direction and the Ministry of Agriculture and Forestry Policies, Italy from 2-6 September 2007 at Pavia, Italy. It was attended by over 120 delegates from 19 countries. The theme of the Conference was on “Water Resources Management and Irrigation and Drainage Systems Development in the European Environment” with the four thematic topics:

1. Impacts of extreme hydrological events on irrigation and drainage systems,
2. Energy saving technology in advanced irrigation systems,
3. Conjunctive use of surface and groundwater and
4. Participatory management and economic policies for irrigation and drainage development.

Besides the Conference, a workshop on ‘History of Irrigation, Drainage and Flood Control’ on 2 September 2007 and another Workshop on ‘European Framework Directive in the Field of Water Policy’ on 3 September 2007 were also successfully organized during this period. Several ICID Office Bearers and professionals attended the Conference who included President Peter Lee, President Hon. Bart Schultz, VP Lübbe and Guluyk, VPH. R. Segura Graino, VPH. Alain Vidal and Ligetvári, Secretary General M. Gopalakrishnan and Secretary K.N. Sharma, besides the members of the host Italian National Committee including ITAL-ICID President Ubertini, General Secretary Maria Elisa Scarascia, and Prof. de Wrachien. The Conference was opened in the presence of Mr. P. Lassini (representative of the Lombardia region), Mr. G. Guizzetti (Vice President and Pro-retor, University

of Pavia), Mr. M. Cutonilli (Italy), Mr. C. Gattoni (Italy), President Peter Lee (ICID) and Prof. L. Ubertini (ITAL-ICID) on the dais. The Opening Speech was delivered by President Lee followed by speeches by Prof. Ubertini, Mr. Lassini and Mr. Guizzetti.

*President Peter Lee in his opening speech said: The irrigation and drainage are the two main threads of Agricultural Water Management (AWM), which has two key objectives viz. (1) the “productive”, epitomized by the commercial farming sector, and (2) the “developmental” concerned with rural well-being and agriculture’s role as one of the principle pathways out of poverty. These two objectives are recognized in ICID’s motto “water for food and rural development”. The President added by saying that ICID must not forget the productive objective, and the second green revolution that is needed to increase global food production by 67% over the next 25-30 years. If ICID is going to contribute properly to this objective it is going to have to look beyond the world of development orientated institutions, and connect with commercial farmers, agri-business, technology suppliers and the big food and energy companies, many of which have European headquarters or strong links to Europe’ said the President. The President called on NCs to help ICID to connect better with such businesses and others concerned and proposed the launching of “The Pavia Initiative” to connect ICID with other organizations, particularly Europe based organizations interested in the global challenge of managing water for sustainable agriculture. With this initiative, Europe has a vital role to play in the WWF 5 to be held in Istanbul in March 2009, said the President.*



Two technical tours were organized during the occasion. Tour 1 – Pavia – Novara – Vigvano enabled the delegates to visit Irrigation and Land Reclamation Consortia in the Ticino River

Park (Varese) and in Novara. The delegates in Tour 2 – Pavia – Montava saw the Pumping Station of the Terre dei Gonzaga Irrigation and Land Reclamation Consortium in Montava.

#### 4th International Conference on Irrigation and Drainage in Sacramento, California USA,

The main objective of the conference was to make the world society understand that the irrigation is the principal use of water and around the world farmers are being challenged to produce more food with less water while sharing water to cities and industries and reducing harmful impacts on the environment. For obtaining the goals addressing the various challenges, the theme of the Conference was focused on 'The Role of Irrigation and Drainage in a Sustainable Future' to have world community participation and deliberations on the prime issues. The challenges/issues were explored through the three main topics selected:

1. Developing sustainable irrigation and drainage systems,
2. Using technology to improve irrigation and drainage systems and
3. Improving the interaction of irrigation and drainage systems with the wider society.

The Conference was inaugurated on 3 October 2007. Mr. Peter S Lee, President ICID, in his welcome address said that ICID has been at the forefront of addressing the role of irrigation in a sustainable future. He highlighted the necessity of involving commercial farming sector and others in the food chain in the activities of ICID. The Conference opened with a plenary session with keynote addresses by His Excellency Dr. Mahmoud Abu-Zeid, Minister of Water Resources and Irrigation, Egypt and Mr. Robert Quint, Acting Deputy Commissioner for Operations, US Bureau of Reclamation (USBR), Washington, DC.

##### *H.E. Dr. Abu-Zeid mentioned:*

*Egyptian Ministry of Water Resources and Irrigation (MWRI) had implemented several policies that aim to better utilize limited water resources and increase the efficiency of water use in all sectors. 'The MWRI expected that in the near future the water supplies available from both conventional and non-conventional resources will not be enough to satisfy the increasing demands for water. Comprehensive water management programs are being implemented to raise water use efficiency and increase food production. There are also several programs for cost recovery, institutional reforms, laws and legislations, and stakeholders' participation. The institutional reforms adopted aim to strengthen the political, technical, legal, and administrative arrangements so as to saving of water and maximizing returns from the water sector.*

##### *Mr. Robert J Quint addressed:*

*The current challenges that the water community is facing in the US and stated that the USBR has been a longstanding partner of ICID – an organization that has worked tirelessly over the past 57 years to bring the world's attention to the importance of efficient and effective water management in all regions of the world. Mr. Quint focused on the four current challenges viz. (i) urbanization and its impacts on water resources, (ii) efficient infrastructure, (iii) managing drought, and (iv) impact of global climate change on water supply and availability. Mr. Quint said that in the US, some 1544 billion liters of water are drawn per day from surface and groundwater sources for off stream uses. Irrigation withdrawals are actually decreasing, which may be attributed not only to conservation and technology advances but also to increasing municipal and industrial demands. The construction of massive projects such as Hoover Dam has turned vast areas of uninhabitable land into places where people can live and work. However, there are big challenges of 'aging dams and infrastructures' and occurrence of droughts and resulting policy trade-offs. The storage system initiated by our predecessors is greatly helping to keep us out of crisis. Without this storage capacity, we would have been in deep trouble; Mr. Quint said and called on all water resource managers to work hard to meet the challenges imposed by rapid population growth, aging infrastructure, repeated drought and climate variations.*

The proceedings of the conference were presented orally in 15 concurrent technical sessions and at a poster session. About 95 technical papers were selected and were brought out in a CD by the USCID. The Conference concluded on 5 October 2007 succeeded by study tours on 6 October 2007 to Modesto Irrigation District and Sacramento- San Joaquin River Delta. Over 450 delegates from 35 countries joined and actively participated in the event and got opportunity to learn from each other better ways of "Managing Water for Sustainable Agriculture".





## International Workshop on Role of Irrigation on Poverty Alleviation and Livelihoods in Sacramento, California, USA

An International workshop on 'Role of Irrigation on Poverty Alleviation and Livelihoods' was organized by ICID on 4th October 2007 at Sacramento, USA during ICID annual events.

VPH. Alain Vidal (France) initiated the discussion by reminding that this workshop was actually launching a network that could contribute to the preparations towards WWF 5, on the topic "Water and agriculture for ending poverty and hunger", a contribution to Theme 2: "Advancing human development and the MDG" of WWF 5. From the presentations made, the following common issues could be derived:

- How to refine poverty analysis with a better understanding of the role of irrigation in livelihoods at household level and to scale it up to system and basin level?
- How to identify the best capability for optimal impact of pro-poor investment?

- How to upgrade capacities, especially how to raise the poorest and highly vulnerable to the group of traditional/subsistence farmers, giving due recognition to the social role of irrigation?
- How to finance these upgrades?
- How to target pro-poor interventions to make them effective?

The participants recognized that interventions differ regionally, and that it is not in its mandate to detail too much at regional level. Prime focus should be on Africa, but other regions like Asia, Latin America and the Caribbean should not be forgotten. It is expected to establish a network aiming at enhancing the impact of irrigation on poverty alleviation and livelihoods, animated by a core group constituted by an ICID Task Force. A position paper would be prepared for WWF 5.

## 2nd African Regional Conference in Johannesburg, South Africa

The 2nd African Regional Conference was held from 6 to 9 November 2007 in Johannesburg, South Africa. The conference was attended by 120 delegates representing 17 countries. The theme of the conference was 'Contribution of rainfed and irrigated agriculture to poverty alleviation through increased productivity in Africa' and focused on five important assets viz. natural, social, human, physical and financial capital.

President Peter Lee in his opening address said: "Africa taught me the importance of field work, of staying in a place and meeting the people. In Africa, where most of the increased demand is forecast and yet there has been relatively little investment in the past, experience of Savannah regions will be called on to fill the gap. There what is interesting for Africa is to learn the way that the Brazilians are increasing agricultural production in the Savannah, where settled agriculture is replacing pastoralism through investment in irrigation. This is through construction of farm reservoirs that give farmers control over their water supply".

*The conference was opened by Dr Sizwe Mkhize, the Acting Deputy Director General, Department of Agriculture, South Africa and mentioned: Over the past seven years, the Ministry has been fully behind New Partnership for Africa Development (NEPAD). Through the NEPAD, South Africa wants to see Africa becoming a growing economy, and being able to support her people and access to adequate, healthy and nutritious food and economic opportunities. While most of our focus*

*and energies go into ensuring that NEPAD becomes a success, it is a known fact that Africa still has a number of challenges. This conference is going to afford us with that opportunity to critically look at ourselves as Africans in irrigated agriculture and to strengthen our relationships as regional and national irrigation and drainage committees. Through our active participation in ICID, we can unlock the potential of our continent and be able to feed our peoples and bring back their dignity, concluded Dr Mkhize".*

The Conference was organized by the South African National Committee (SANCID) jointly with the Southern African Regional Irrigation Association (SARIA), the Department of Agriculture and the Water Research Commission. The conference attracted a multi-disciplinary group of professionals involved with agricultural water management with an objective to create new challenges and opportunities for investment in people, agriculture and rural areas of Africa in 21st century.





# Global Cooperation



## Asian Development Bank (ADB)

On an invitation received from Dr. Tadashi Kondo, Country Director, India Resident Mission, Asian Development Bank (ADB), ICID Secretary General Er. M. Gopalakrishnan participated in the Stakeholder's Consultation Meeting held on 18 April 2007 in New Delhi, India. The ADB is in the process of formulating its Country Partnership Strategy (CPS) for India based on India's 10th Plan for the next 5 years period (2008-12). In their new initiative, ADB concentrates on issues relating to poverty reduction through infrastructure-led growth putting emphasis on infrastructural interventions such as transport, energy, urban development, agribusiness and water resources. Public resource management, rural financing and governance are also included under critical areas of concern/activities.

## International Commission on Large Dams (ICOLD)

Dr. Luis Berga, Secretary General, ICOLD who is also one of the two co-chairmen of the Group on 'Storage' for the preparation of the World Water Assessment Report of UN World Water Assessment Project has invited President Peter Lee to be a member on the 'Storage' Group. During the 58th IEC of ICID held at Sacramento, USA, ICID was nominated as a member of the Hydro-Power Task Force constituted by the ICOLD.

## DHI Women's Water Fund, Denmark (DHI)

The DHI Women's Water Fund has been created as an initiative by Prof. Torkil Jønch Clausen of DHI who was presented the "King Hassan II Great World Water Prize" at the 4WWF in Mexico in 2006. The DHI Women's Water Fund aims to support women in developing countries to advance their career opportunities in the development and management of water resources. The Fund's career programme draws upon transfer of Danish expertise in water resources by offering capacity building visit to Denmark as well as mentoring program.

Mrs. Jancy Vijayan, Joint Director, ICID received the award in the year 2007 and was permitted to attend the one-week international Ph.D. Course in Water Resources Management (4-8 June 2007) at Danish Technical University (DTU) followed

by a one week study tour to Danish Authorities, Companies and Research Institutions in the area of Water Management (11-15 June 2007).

The study tour covered Water Resources Division of DHI, Danish Center for Information on Women and Gender-KVINFO, Geological Survey of Denmark and Greenland, FIVA - Hydrology and Water Resources, Geographic Resources Analysis and Services (GRAS), Environment Centre, Roskilde, Odense Water Ltd, Grundfos - Danish water industry, National Environmental Research Institute, Silkeborg and Ministries of Foreign Affairs and Equality, Denmark. The DHI Women's Board Representatives Prof. Torkil Jønch Clausen, Dr. Palle Linaard Jorgensen (DHI, Health and Environment) and Mrs Anette Steen Pedersen (Gender Expert and Senior Adviser, Ministry of Foreign Affairs, Denmark) valued the professional's observations and views on the opportunities extended by the Fund. A Diploma and Letter of Recommendation along with Mentoring Services was received by Mrs. Jancy at the end of the course.

## The World Bank

The Abu Dhabi Dialogue (ADD) is an ongoing dialogue process on South Asia Water Cooperation (SAWC) among senior government, academic and civil society members drawn from Afghanistan, Bangladesh, Bhutan, China, India, Nepal and Pakistan. The ADD stemmed from the 1st International Conference on SAWC held in September 2006 in Abu Dhabi (by the International Institute of Strategic Studies) with the funding support of UK Foreign and Commonwealth Office. Key participants from the seven countries, with the support of the World Bank, Delhi Office formed the 'Abu Dhabi Group (ADG)' and established the ADD processes subsequently.

Secretary General Gopalakrishnan was an invitee for the 2nd ADD on 'Rivers of the Greater Himalayas' held in Bangkok from 1-3 July 2007 under the auspices of the World Bank, Delhi Office. Representatives nominated by the Governments, Civil Society / NGO members from Himalayan Watershed Countries namely to Afghanistan, Bangladesh, Bhutan, China, India, Nepal and Pakistan were the key participants besides those from the International Organizations viz. GWP-SASTEC; ICIMOD, IUCN, Mekong Commission and ICID.

## Food and Agriculture Organization (FAO)

ICID is represented at various meetings and sessions of FAO of the United Nations from time to time. Dr. Maria Elisa Venezian Scarascia (Italy), Secretary General ITAL-ICID is ICID's permanent representative for FAO meetings held in Rome.

When FAO meetings are held away from Rome, the concerned ICID NCs are requested by Secretary General to send their representative so as to have ICID representation/ participation. During the reporting period i.e. from 1 April 2007 to 31 March 2008, FAO had invited ICID to the following meetings:

- 20th Session of the Committee on Agriculture, Rome, Italy, 25 - 28 April 2007
- 33rd Session of the Committee on World Food Security, Rome, Italy, 7 - 10 May 2007
- 132nd Session of the FAO Council, Rome, Italy, 18 - 22 June 2007
- 34th Session of the FAO Conference, Rome, Italy, 17 - 24 November 2007

ICID received an invitation to attend the 29th FAO Regional Conference for the Near East (NERC-29) held in Cairo, Egypt from 1 - 5 March 2008. VPH Dr. Mohamed Hassan Amer, Chairman, ENCID participated.

FAO-India Office, SPRU, University of Sussex and ICID jointly organized a policy workshop on "Contaminated Irrigation Water and Food Safety for the Urban and Peri-urban Poor" on 20 July 2007 in New Delhi.

SPRU, University of Sussex along with Banaras Hindu University and other partners in India conducted a 4-year study titled "Contaminated irrigation water and food safety for the urban and peri-urban poor: appropriate measures for monitoring and control from field research in India and Zambia". The aim of the Workshop was to create awareness about the relationship between heavy metal levels in irrigation water, accumulation of damaging levels in the edible portion of crops and its health implications based on field studies. Secretary General Gopalakrishnan joined the Panelists. Dr. S.A. Kulkarni Dr. Vijay K. Labhsetwar outlined the ongoing programme in ICID on the topic of "Use of Poor Quality Waters". Mrs. Jancy Vijayan highlighted the need for creating public awareness through Capacity Building, Training and Education referring to the ICID, WG-CBTE.

Secretary General, ICID was the Guest of Honour in the concluding session (held on 19 December 2007) of the FAO workshop/training program using RAP (Rapid Appraisal Procedure) and MASCOTTE techniques for Modernizing

Irrigation Management in Sultanpur, Uttar Pradesh held from 7- 19 December 2007. FAO was represented by Dr. Daniel Renault.

FAO approached ICID for support in their efforts to team up for the political process of WWF 5 scheduled at Istanbul, Turkey in March 2009. This was aimed to stimulate the thinking processes to address the usually low representation of agricultural water management in the political agenda of WWF. This was accepted. An issue paper on "Agriculture Water Management" forwarded by FAO was circulated amongst all the NCs and Workbody Chairs of ICID for their comments/ suggestions. The CO, ICID is in the process of coordinating the matter and is in liaison with FAO.

## International Fund for Agricultural Development (IFAD)

ICID was invited by IFAD to participate in its 30th Session of Governing Council Meeting held on 13-14 February 2008, Rome, Italy. President Peter Lee participated in the roundtable meeting on biofuels. ICID is working in coordination with IFAD on several areas of common interest like poverty, multiple use, Africa and modernization etc. aiming at enhancing the impact of irrigation on poverty alleviation and livelihoods. ICID was given the status of a Permanent Observer to the Executive Board of Governing Council, IFAD. VPH Alain Vidal will represent ICID in IFAD Governing Council.

## World Water Council (WWC)

ICID is one of the Constituent Members of the WWC. It retained its Governor's position since inception till March 2006. On 22 March 2007, WWC and ICID entered into an agreement of partnership. An MoU was signed by President Peter Lee and President WWC Loïc Fauchon. This has enabled both the organizations to work together in addressing issues concerned with management of Water for Agriculture.

Four Associate Centres of WWC are contemplated at different parts of the globe with one in Delhi and is functioning for over 6 years. ICID Secretary General is currently the President of this New Delhi Centre of WWC (NDC-WWC). This Centre facilitates regular Meetings / Brainstorming Sessions (BS) on matters relating to water within the broad framework of objectives of WWC. This Forum serves as an excellent platform for water professionals' meet in the region and enables discussions on a wide range of issues.

VP Dr. Mark Svendsen, Chairman, USCID delivered a talk on the subject of "Global Climate Change and its Impact on Irrigated Agriculture" in its 50th BS held on 12 June 2007. VPH Prof. Dr. Chandra Madramootoo, President, CANCID during his visit to India and ICID CO paid a visit to NDC-

WWC and delivered a talk on “Water Resources Management in Canada” on 5 March 2008 in its 56th BS. Others in ICID fold who had delivered talks earlier include, but not restricted to President Lee, PH Keizrul bin Abdullah, PH Bart Schultz and PH Aly Shady in the recent past. Dignitaries like Hon’ble Minister of Water Resources of China, Former Water Resources Minister and Leader of Opposition in Ethiopian Parliament had also talked earlier in NDC-WWC.

The WWC held its meeting in Stockholm on the sidelines of the Stockholm World Water Week on 14 August 2007. The purpose of the meeting was to exchange ideas and to report on the activities of the Council and the priority issues that are to be considered for the WWF 5. ICID President and Secretary General participated.

### 5th World Water Forum (WWF 5)

ICID has established a Task Force to provide inputs to the WWF5. President Hon. Bart Schultz and President Hon. Aly Shady have consented to be the Convenor and Chairman, respectively. PH Prof. Bart Schultz represented ICID in the WWF5 Coordinator’s 1st preparatory meeting that was held on 5-6 November 2007 at Istanbul. The meeting was attended by 120 delegates representing international civil societies and professional organizations like FAO, ICID, ICOLD, IWA, IHA, IAHS, UNEP, IUCN, The World Bank and African Development Bank.



VPH Henri Tardieu (centre) in discussion with Stakeholders

In the 2nd Thematic and Regional Coordination meeting held on 7 and 8 February 2008 at Istanbul, President Lee participated. There was an expanded representation from ICID. VP Karim Shiati, VPH Henri Tardieu, VPH Riota Nakamura and VPH Victor Dukhovny also joined and represented in ICID different sessions. VPH Tardieu chaired the key topic 2.3 “Water and food for ending poverty and hunger”. ICID will be the Coordinator for the topic 2.3 “Water and food for ending poverty and hunger” under the theme “Advancing Human Development and MDGs”.

### International Programme for Technology and Research in Irrigation and Drainage (IPTRID)

A meeting of the IPTRID Management Committee (MC) was held on 14 August 2007 in the sidelines of Stockholm

World Water Week. The main objective of the meeting was to discuss on the future Governance of IPTRID.

On the sidelines of 58th IEC meeting too, a meeting of the IPTRID Consultative Group (CG) was held on 4 October 2007. One of the decisions taken in the meeting was for creation of a new apex body, namely, the Steering Committee (SC) so as to modify the functions of the present CG by abandoning the MC. CG will act as a support group with no decision-making power, but it will continue in its consultative capacity involving members of the IPTRID network and other supporters of the programme and will meet annually and recommend new activities for consideration for the SC.

The IPTRID Secretariat has floated a Strategic Framework and medium term work plan for a renewed IPTRID program and appointed Dr. Hans W. Wolter as the international consultant to lead the process further.

### Global Water Partnership (GWP)

GWP and ICID had signed an MoU in 1997 soon after GWP’s initiation for cooperation. Strengthening the spirit behind the MoU, ICID responded to GWP’s call as and when received. Dr. Margaret Catley-Carlson, Chair, GWP laid down the position of GWP Chair on 31 December 2007. Dr. Letitia A. Obeng joined as Chair of GWP and took over the reins of GWP from 15 August 2007 onwards and took the full control of GWP with effect from 1 January 2008. On invitation, ICID participated in the GWP Vitalizing Process Framework – Questionnaire during April 2007 and in October 2007 when the impact of GWP’s work at regional and country levels was evaluated. ICID responded providing its observations on the GWP Strategy Document 2009-2013.

Dr. (Mrs.) Shaden Abdel-Gawad a representative of ENCID and Vice-Chair, WG-TRUE was appointed in the Steering Committee of GWP as a representative from the Regional Pool (Mediterranean).

### United Nations Water - Decade Programme for Capacity Development (UNW-DPC)

UNW-DPC unit is hosted by United Nations University (UNU) in Bonn on behalf of UN-Water. Dr. Reza Aradakanian former Chairman, IRNCID was appointed as its Director with effect from 1 August 2007. UNW-DPC is one of the three programme offices of the inter-agency mechanism of UN-Water that has been created to follow-up on the World Summit on Sustainable Development (WSSD) and the MDGs related decisions on water. The broad mission of UNW-DPC is to enhance the coherence, credibility and integrated effectiveness of UN-Water, by strengthening its capacity development programmes, particularly in developing and under developed countries.



## International Water-related Associations' Liaison Committee (IWALC)

ICID houses the Secretariat of IWALC; Secretary General, ICID is the IWALC's Secretary since its inception in November 1994.

An IWALC meeting took place on 29 May 2007 on the sidelines of the IHA Congress organized in Antalya, Turkey.

In a meeting held on 13 August 2007, immediately after the WWC launching session of the 5th WWF, IWALC inputs for the WWF5 were the main item for discussion. IWALC Secretary Gopalakrishnan separately had a 'one to one' meeting with Dr. Janos J. Bogardi, Member of the SCGWI of IAHR on 14 August 2007 and briefed the outcome of the IWALC meeting held on 13 August 2007. A similar meeting was held with Olli Varis (IWRA) on 15 August 2007 too.

The IWALC Secretariat decided to ask the members to submit a brief on recent advances / innovations in Science and Technology (S&T) along with name and e-mail address of an expert whose advice on the subject might be sought in developing further plans. IAHS, ICID, IWRA, IAH, ICOLD and IHA submitted summaries of their activities to the IWALC Secretariat (ICID CO). The Secretariat has been continuing with the collation and circulation of necessary documents / summaries on the key topics of concern for the WWF 5.

The IWALC contributed a scoping paper for the Topic 3: "Using professional networks and associations to strengthen the water sector", which falls under the main theme 6: "Education, Knowledge and Capacity Building" with the initiative of Dr. Christopher George, Executive Director, IAHR and Chairman, IWALC.

## International Hydropower Association (IHA)

IHA organized a World Congress on Advancing Sustainable Hydropower in Antalya, Turkey from 29-31 May 2007 in which President, ICID was invited to participate in a special plenary session on "Water Leaders Roundtable". President Lee delivered a speech at the Opening Session on 29 May 2007.

## 1st Asia Pacific Water Summit



Secretary General with JNC-ICID members during 1st APWS

One of the decisions in the 4th WWF held in Mexico in 2006 was to involve the region's water ministers and establish an effective mechanism that will encourage more collaborative efforts on water resources management. It was hoped that this will accelerate the process of integration of water resources management for the socio-economic development effectively in the Asian and Pacific regions. This resulted in the creation of an Asia-Pacific Water Forum (APWF).

Secretary General, ICID received an invitation for participation in the 1st APWS scheduled in Beppu, Oita Prefecture, Japan from 3-4 December 2007. The theme focus was on "Water Security: Leadership and Commitment". Dr. Thierry Facon, Senior Water Management Officer, FAO Regional Office for Asia and the Pacific and IWMI organized a session in the 1st APWS, where Secretary General, ICID joined as a Panelist under the theme "Water for Development and Ecosystems".

## 16th Session of the Commission for Sustainable Development (CSD-16), UNESCAP

The United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) – Regional Implementation Meeting of the Asia and the Pacific Preparations for the 16th Session of the CSD were held during 26-27 November 2007 in Jakarta. ICID got an invitation to join the major group on "Science and Technology Community" along with other international organizations (ICSU and WFEO). Secretary General, ICID had an opportunity to make a presentation of



Secretary General in the 16th Session of CSD

the Major Group on Science and Technology highlighting the role of S&T in the thematic areas in consideration, which included a pivotal role in (i) agriculture, (ii) rural development and (iii) improved management of land resources in combating drought and desertification.

## International Water Management Institute (IWMI)

ICID is having a collaborative arrangement with IWMI based on a signed MoU in the year 1993.

Secretary General was invited by IWMI, Delhi for a Global Irrigated Area Workshop organized by IWMI in New Delhi in April 2007. IWMI has brought out a publication "Irrigated Area Map of the World Derived from Remote Sensing", which was discussed during the Workshop Session.

Secretary General Gopalakrishnan is a member of IWMI's Advisory Committee on "The Strategic Analysis of Interlinking of Indian Rivers". ICIDCO received an invitation to participate in a workshop on "National River Linking Project of India". ICID CO professionals Dr. S.A. Kulkarni, Dr. Vijay K. Labhsetwar and Mrs. Jancy Vijayan participated in the event held during 9-10 October 2007 in New Delhi, India.

## UN-Water

UN-Water brings out triennial World Water Development Reports (WWDR), which are released during the WWF events and two such reports were released in the past namely in Kyoto (WWDR1) and Mexico (WWDR2). 'UN-Water' has assigned the responsibility for the preparation of WWDR3 to World Water Assessment Programme. Prof. Olcay Unver is coordinating the task.

ICID was invited as an International NGO of importance given its role on 'water management for sustainable agriculture'. The process for preparing the WWDR3 was discussed in Paris in November 2007. A Technical Advisory Committee (TAC) has been constituted by the UN-Water. ICID Secretary General was invited by WWAP Chair to join the TAC and contribute to shape the contents and architecture of the WWDR3. The thematic focus of WWDR3 will be Climate Change and Water. The WWDR3 content structure will cover, inter-alia (i) Introduction; (ii) The State of the Resource, (iii) The Use of the Resource for Humans and Ecosystems, (iv) Drivers of Change and (v) Response Options and (vi) Outlook and Policy Recommendations. Consultations were also held during the meet with individual experts associated with earlier reports, select chapter writers and coordinators and sister UN bodies and other international organizations like IUCN, ICID etc. for formation of individual Chapters.

## UN-Water Task Force on Indicators – Monitoring – Reporting

In a meeting of the UN-Water held in January 2008 a decision was made to establish a Task Force on Indicators – Monitoring – Reporting with the following objectives:

- to set standards for data collection and reporting, including criteria for inclusion of data in the information systems and quality control;
- to harmonise existing databases and those under development
- to ensure that water data held within the UN system is consistent and up-to-date, and meets the needs of member countries; and
- to synchronise the collection of water data, so as not to increase the reporting burden on member countries.

## UN-Water Task Force on Water and Climate

A request has been received from Dr. Avinash C. Tyagi, Director, Climate and Water Department, World Meteorological Organization (WMO) inviting ICID to join the proposed UN-Water Task Force on Water and Climate. WMO will interact with Dr. Mark Svendsen, Chairman, WG-CLIMATE and Dr. Ir. Karim Shitati, Chairman, ASRWG for ICID contributions on the theme.

During the 58th IEC meeting held at Sacramento, Dr. Tyagi presented a paper addressing the concerns and phases of Global Climate Change in the WG-CLIMATE Workshop Session. ASRWG participated in this workshop with keenness. ASRWG has subsequently decided to establish a Task Force on Climate Change and Irrigation (ARTF-CC). The ARTF-CC will facilitate the member countries in the region in assessing the impacts and strategies for addressing/adopting the challenges of Climate Change in Irrigation and Water Management for Sustainable Agriculture.

## UN Water Task Force on Transboundary Waters

The UN Water established a Task Force on Transboundary Waters following the previous UN Water Thematic Initiative on Water Scarcity and on risk related to water events. The TF has drafted a thematic paper on Transboundary Waters. Based on comments received from various UN – water agencies at its 1st meeting held on 27-28 March 2008 as well as before and afterwards. ICID also received invitation from Mr. Johan Kuylenstierna to contribute in the process. ICID responded and forwarded its comments to the UN TF alongwith a brief on ICID.

## Irrigation Methodology Workshop, Global Subsidies Initiative

On an invitation from Global Subsidies Initiative (GSI), Switzerland, Secretary General joined a two-day workshop on "A common methodology in irrigation subsidies" held from 26 to 28 March 2008 in Addis Ababa, Ethiopia. The workshop held at the instance of the International Institute of Sustainable Development considered some country studies (one each from the developing and developed world). A base document assessing the current practices in respect of cost recovery in irrigation projects was circulated bringing out generic issues amplifying some recent example case studies conducted in India. ICID contributions in the workshop were based on the outputs generated through the ICID Task Force for Developing Position Paper on "Socio-Economic Sustainability of Services Provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector" in due consultation with VPH Dr. Henri Tardieu, who chaired the TF earlier. In addition, Secretary General amplified the procedures on cost allocation covered in India Country Study based on the procedures in vogue in India. The effort to examine viable uniform norms in assessing 'Subsidies' will continue.

# ICID Central Office

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 agriculture techniques and management practices. For coordinating various mission oriented tasks, ICID has developed a permanent secretariat called Central Office (CO) which is located in the Commission's headquarters building at 48 Nyaya Marg, Chanakyapuri, New Delhi, India. The CO staff work under the overall supervision of Secretary General, ICID.

## ICID CO Staff Strength (as on 31 March 2008)

The CO has a total sanctioned staff strength of 28 of which 21 staff members were in position at the end of March 2008. The key professional support was rendered by four officers:

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 the Chairs of all the Working Groups/Task Forces and other Permanent Committees, the staff in the middle and junior levels (14 numbers) supports the CO activities including administration, finances, web services, library and Text Delivery Service (TDS). Three junior level functionaries belong to service staff category. Seven (about 25% of the sanctioned staff) positions remained vacant for effectively controlling expenditure during the period 2007-08. The resulting work was distributed amongst the present strength. The work distribution amongst the CO professionals during the reporting period of 1 April 2007 to 31 March 2008 was as given below:

## ICID Work Distribution Amongst Professionals



**Secretary**  
K.N. Sharma



**Director I**  
S.A. Kulkarni



**Director II**  
V.K. Labhsetwar



**Joint Director**  
Jancy Vijayan

- IEC and Membership
- Management Board
- Staff Committee
- Office Bearers Committee
- ICID Website/TDS
- UNESCO/IWALC
- External and Internal Reviews
- CG / MC IPTRID
- Strategy Themes

### Work Bodies

- PCTA
- PCSPOA
- PFC
- WG-CD
- TF-WWF 5

- Newsletter
- WatSave
- IWMI
- ISO/ BIS
- Africa Region
- Sale of Publications

### Work Bodies

- WG-DMIS
- WG-DRG
- WG-PQW
- WG-ON-FARM
- WG-SOCIO
- WG-WATS
- WG-CLIMATE
- ST-LCB
- AFRWG

- Congresses
- ICID Journal
- Americas Region
- Europe Region
- News Update

### Work Bodies

- C-CONGR
- EB-JOUR
- WG-CROP
- WG-IADWS
- WG-CAFM
- WG-ILWRM
- WG-SDTA
- AMRWG
- ERWG

- Annual Report
- WWD / ICID Day
- Library
- FAO/WWC/GWP
- ECOSOC/UN/CSD
- N.D. Gulhati Lecture
- TF - IBWT & Maps
- Asia Region

### Work Bodies

- C-PR&P
- WG-IPTRID
- WG-R&D
- WG-ENV
- WG-YPF
- WG-CBTE
- WG-HIST
- ST-ARAL
- ASRWG



## ICID Technical Library

The Central Office library houses nearly 31010 technical books, report and proceedings. It includes its own publications. In addition it also receives 65 periodicals on regular basis. A list showing the ICID publications along with their sale price is given at page no. 87.

### (i) Additions to Library Books-

With the acquisition of 259 new books during the reporting period, i.e. 1 April 2007 to 31 March 2008 the Library has acquired 31010 technical reference documents.

### (ii) Cooperation between ICID and IWMI and other Libraries-

ICID and IWMI libraries continue to exchange the list of new additions of 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 with the assignment of the publication through a commercial agency M/s John Wiley & Sons.

### (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 International Organizations and exchanges Journals/Periodicals/News Letters.

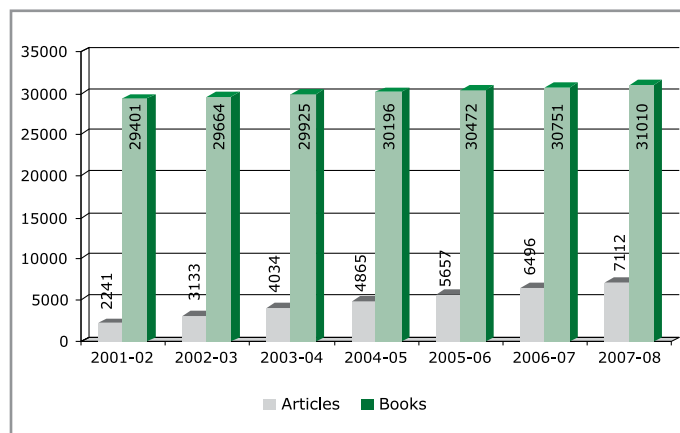
### (iv) Other facilities available -

In addition to these facilities, the Library has over 700 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 from time to time. A video library containing collection of about 52 cassettes and 158 CD-ROMs on various aspects of development, operation, maintenance and rehabilitation of irrigation works is an added attraction to the Library asset.

## 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, flood, socio-environmental and climatological 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 mode on the ICID website. The TDS facility provided is widely consulted by many experts and stakeholders of water sector. Details of TDS additions under Book and Article Sections are presented:



## ICID Website

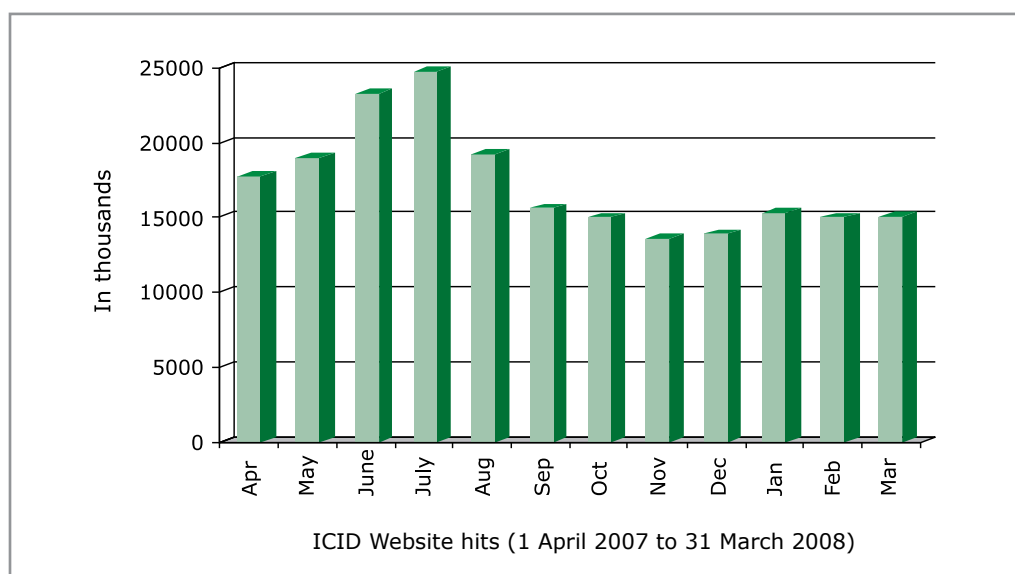
The ICID website <<http://www.icid.org>> was first launched in 1997 and over the past years it has grown immensely. The initial goal of having a website was to help disseminate ICID's objectives and aims to the world community. Now the website serves a much larger purpose, providing instant access to a wide range of information like ICID's objectives, organizational setup, membership, international cooperation, information exchange, new initiatives, publications and their price list, forthcoming events and E-library through TDS etc. The recent issues of the monthly News Update, quarterly Newsletter, Annual Report and other special reports are also accessible. These are updated on a regular basis.

An exclusive 'Advertisers Catalogue' provide a platform to manufacturers, institutions, consultancy organizations and conferences and exhibition organizers to display their company portfolio/information for ICID community as well as for public consumption. Advertisers of ICID Newsletter and Irrigation and Drainage journal are provided a free listing under this section to display their presence. Information related to 'Vacancies' in water related organizations are also given a place under this section.

To support and disseminate ICID workbody activities an additional domain named [www.icidonline.org](http://www.icidonline.org) has been generated; through which workbodies can directly access their respective websites. For easy access File Transfer Protocol (FTP) tool is made available to the Chairpersons to give them a free hand so as to upload and manage information regarding workbody memberships, mandated tasks, meetings conducted/proposed etc. At present, 21 workbodies of ICID are making use of this facility as detailed:

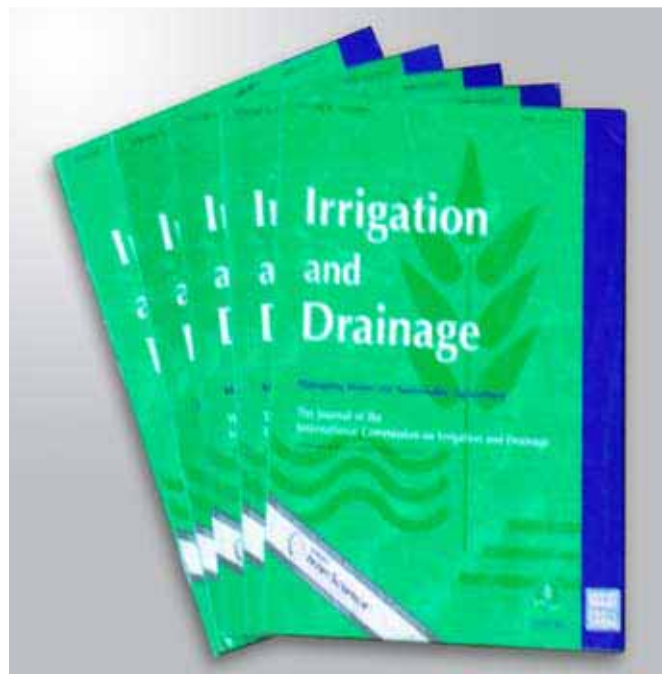
SI No	Workbody	Hyperlink Details
1.	ERWG	<a href="http://www.erwg.icidonline.org">http://www.erwg.icidonline.org</a>
2.	AFRWG	<a href="http://www.afrwg.icidonline.org">http://www.afrwg.icidonline.org</a>
3.	WG-YPF	<a href="http://www.wg-ypf.icidonline.org">http://www.wg-ypf.icidonline.org</a>
4.	C-CONGR	<a href="http://www.c-congr.icidonline.org">http://www.c-congr.icidonline.org</a>
5.	WG-TRUE	<a href="http://www.wg-true.icidonline.org">http://www.wg-true.icidonline.org</a>
6.	EB-JOUR	<a href="http://www.icid.org/wiley_journal.html">http://www.icid.org/wiley_journal.html</a>
7.	WG-CD	<a href="http://www.wg-cd.icidonline.org">http://www.wg-cd.icidonline.org</a>
8.	WG-WATS	<a href="http://www.wg-wats.icidonline.org">http://www.wg-wats.icidonline.org</a>
9.	WG-HIST	<a href="http://www.wg-hist.icidonline.org">http://www.wg-hist.icidonline.org</a>
10.	WG-CAFM	<a href="http://www.wg-cafm.icidonline.org">http://www.wg-cafm.icidonline.org</a>
11.	WG-DRG	<a href="http://www.wg-drg.icidonline.org">http://www.wg-drg.icidonline.org</a>
12.	WG-CROP	<a href="http://www.wg-crop.icidonline.org">http://www.wg-crop.icidonline.org</a>
13.	WG-PQW	<a href="http://www.wg-pqw.icidonline.org">http://www.wg-pqw.icidonline.org</a>
14.	WG-ON-FARM	<a href="http://www.wg-on-farm.icidonline.org">http://www.wg-on-farm.icidonline.org</a>
15.	WG-SDTA	<a href="http://www.wg-sdta.icidonline.org">http://www.wg-sdta.icidonline.org</a>
16.	WG-CLIMATE	<a href="http://www.wg-climate.icidonline.org">http://www.wg-climate.icidonline.org</a>
17.	ASRWG	<a href="http://www.asrwg.icidonline.org">http://www.asrwg.icidonline.org</a>
18.	WG-MIS	<a href="http://www.wg-mis.icidonline.org">http://www.wg-mis.icidonline.org</a>
19.	AC-IPTRID	<a href="http://www.fao.org/iptrid">http://www.fao.org/iptrid</a>
20.	ST-LCB	<a href="http://www.st-lcb.icidonline.org">http://www.st-lcb.icidonline.org</a>
21.	TF-POV	<a href="http://afeid.montpellier.cemagref.fr/Poverty/TF-POVERTY.htm">http://afeid.montpellier.cemagref.fr/Poverty/TF-POVERTY.htm</a>

As per the latest statistics available on Internet usage <<http://www.internetworldstats.com>> the world Internet usage has shown a tremendous growth of 275.4%, starting from the year 2000-2008. In this, 3.3% visitors are from Africa, 40.3% from Asia, 27.4% from Americas, 27.6% from Europe and 1.4% from Oceania. Over the years ICID website too got a good increase in number of hits due to its intensified activities all over the world. It is our pleasure to mention that an average of about 16,000 hits per month was recorded on the ICID website.



# Journal of ICID

Over the years, the Journal of ICID “Irrigation and Drainage” has developed as a prestigious peer reviewed publication. The Irrigation and Drainage Journal is one of the periodicals listed



in the ISI Science Journal Citation Index (SJCI) under the number ISSN 1531-0353. It appears in the categories “Water Resources and Agronomy”. It was observed that SJCI of the Journal has reached up to 0.598 compared to the previous years rating of 0.379. From 1 April 2007 to 31 March 2008, five issues of the Journal were published on time including the two special issues shown at page no. 9. ICID publishes the Journal through M/s Wiley based on a contract made with M/s John Wiley & Sons (UK).

During the year 2007 M/s John Wiley has merged with Blackwell under the name Wiley – Blackwell. In the 58th IEC meeting, the proposal received from M/s Wiley/Blackwell, UK for continuing the publication of the Journal beyond 2008 for the next 5 years was considered and approved. Special individual ICID member subscription rate for 2008 is also agreed at US\$ 33 for “online only” version and US\$ 39 for “online + print” version. The guaranteed copies from the publishers at the special rate will be restricted to 800 of which 600 copies will be “on-line + print” and 200 copies “on-line only”. The number of issues will remain five of about 128 pages each and the distribution of the Journal within the ICID family will be followed as per the details given

## Details of Distribution of Journal

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	Either online or online + print
5	Young Professionals (each NC)	2 free copies	Online

For each regular issue of the Journal, ICID has been allotted two pages. Secretary General brings out information on ICID, touching ICID declarations/statements and other relevant topics of water sector having value to ICID objectives. Full text of the Journal issues published from 2001 to date is available

on Wiley InterScience-(<http://www.interscience.wiley.com/journal/ird>). Access to abstracts is freely available to all guest users while viewing of full text papers and ‘Early View’ papers are limited to paid subscribers.



# Visits of Dignitaries to Central Office

## VPH Sr. Manuel Contijoch Escontria (Mexico) on 24 April 2007

VPH Manuel Contijoch Escontria, Senior Water Resources Specialist of The World Bank visited CO. He held consultations with Secretary General extensively on the way forward for developing countries in irrigated agriculture.

## VP Dr. Mark Svendsen (USA) on 11 June 2007



Keeping in view the programme of VP Dr. Svendsen to Pakistan, CO discussed with him the status of preparations in respect of Lahore (2008) Congress in addition to the USCID hosted 58th IEC in Sacramento. He had also meetings with Dr. Ashok Gulati of International Food Policy Research Institute (IFPRI), Dr. A.K. Gosain of Indian Institute of Technology (IIT), Delhi. VP Dr. Svendsen delivered a guest lecture on 'Global Climate Change and its Impacts on Irrigated Agriculture' during the 50th Brainstorming Session of New Delhi Centre of World Water Council (NDC-WWC) and Indian Water Resources Society (IWRS).

## Prof. Torkil Jonch Clausen, Managing Director, DHI (Denmark) on 28 August 2007



Prof. Torkil Jonch Clausen, a recipient of the 'King Hassan II Great World Water Prize' visited CO accompanied by DHI Managing Director, India, Mr. Ajay Pradhan. A presentation about ICID highlighting current programmes and future activities of the commission was made. Prof. Torkil appreciated the pivotal role played by ICID in promoting integrated water resources development and management across the world regions and expressed a keen interest in participating ICID activities. Secretary General informed that Denmark was admitted as a member in 1981 but had withdrawn its membership in 1986. He requested Prof. Torkil to explore the possibility of reviving the Danish National Committee's membership. Prof. Torkil promised to follow it up. An active partnership/collaboration between DHI and ICID for mutual benefits was acknowledged.

## Ethiopian delegation on 25 September 2007



An Ethiopian delegation under the leadership of H.E. Mr. Shiferaw Jarso, Whip of ruling party at the Ethiopian Parliament with a rank of a Minister and former Minister of Water Resources visited CO. Mr. Diriba Kuma, Mr. Biffa Bedada, Mr. Godoma Dabba, Mr. Telosa Gedefa and Mr. Taye Alemayehu officials of Oromia Regional State in Ethiopia accompanied him.

The Ethiopian delegation was looking for opportunities to develop linkages to solve their difficulties in water resources development and management. Mr. Jarso particularly emphasized on the lack of drainage in Ethiopia, which as of now, caused damage to 50% of their crops. H.E. made a presentation on "Ethiopian experience in development and management of water resources" in the 52nd Brainstorming Session of the NDC-WWC. Secretary General felt that ETCID should be represented on more ICID workbodies and invited the Ethiopian delegates to actively participate in the ICID TF-LDCsAF and assist in identifying priority issues for LDCs.



**Prof. Ing. Lucio Ubertini, President ITAL-ICID on 5 November 2007**



Discussions were held with professionals. The highlights emerging from Sacramento meetings and the recent Pavia Conference organized in Italy by ERWG formed part of the agenda for discussions. Reference was also made on his participation in Taal 2007 – 12th World Lake Conference held during 28 October to 2 November 2007 on the theme “Conserving Lakes and Wetlands for Future” in Jaipur, India. Secretary General thanked Prof. Ubertini for ITAL-ICID’s gesture to bring out the ICID Publication on “Manual for performance evaluation of sprinkler and drip irrigation systems” by sponsoring it.

**Mr. Anthony Oaks, Director, Rubicon Systems (Australia) on 20 February 2008**

Mr. Oaks along with Mr. Haroon Mohamed, Business Manager, Rubicon Systems visited CO and held discussions with Secretary General M. Gopalakrishnan and other professionals. Mr. Oaks made a presentation on “Total Channel Control” as envisaged by Rubicon. Representatives from INCID, CBIP and IWRS attended the session and participated in lively discussions.

**President Lee on 26 February 2008**



President Lee paid a visit to CO on his way from Pakistan. Discussions centred fine tuning around the 20th ICID Congress schedule.

President Lee, while concluding his visit, indicated “I have come to value more and more and the reason that ICID is involved many international initiatives is largely due to the responsiveness of this secretariat”.

A Staff Committee meeting was also held. In due consideration to the suggestions made by some of our NC representatives during IEC meeting in Sacramento and keeping in view the key activities related to both Lahore Congress this year and WWF5 later in 2009, a unanimous decision was taken to extend Secretary Sharma’s services by two more years. Besides, re-designating Dr. S.A. Kulkarni as Executive Secretary (effective from 1st April 2008) SC approved the career progression of Dr. V.K. Labhsetwar.

**VPH Chandra A. Madramootoo, Dean of Faculty of Agricultural and Environmental Sciences at McGill University**



Dr. Chandra A. Madramootoo paid a visit to CO on 5 March 2008.

Issues related to Permanent Finance Committee (PFC) and Lahore Congress (2008) were discussed. Prof. Chandra made concrete suggestions to ensure a successful Lahore Congress event. Prof. Chandra made a presentation on ‘Water Resources in Canada’ as a guest speaker in a special Brainstorming session of the NDC-WWC, where representatives from INCID joined others in CBIP.

**Mr. Mehrzad Ehsani, Secretary, Iranian National Committee of ICID (IRNCID) on 7 March 2008**



Mr. Ehsani was the guest from Iran on 7 March 2008 in CO. A business meeting followed. Issues like hosting 21st ICID Congress by IRNCID, MoUs with Indonesia and Germany, translating Multilingual Technical Dictionary (MTD) in Farsi and the role of inter basin water transfers in Iran were discussed. Mr. Ehsani made an excellent presentation on functioning and development of IRNCID.

# Activities of ICID Member Committees

Having been set up as an International Organization, ICID has 63 Active Member Countries from all over the World as on 31 March 2008 compared to 61 last year. The two new Member Countries who joined into the ICID fold are Uruguay and Niger.

ICID works through the professional members nominated by the NCs. Workbodies have been constituted and established through the involvement of the nominated professionals

for accomplishing the emerging issues mainly in the field of irrigation, drainage, flood control, addressing environment, global climatic change, poverty alleviation and water financing concerns and their implications. During the reporting period i.e. from 1 April 2007 to 31 March 2008, 35 workbodies worked together for the accomplishment of the mandated tasks of ICID. Involvement of Country Wise Membership in ICID Workbodies is given at a Glance:

S.No.	Country (NC)	Nos. of Members	Nos. of WBs	Names of Workbodies (WBs)
1	Australia (ANCID)	9	18	WG-CAFM, WG-DRG, C-PR&P, WG-CLIMATE, ASRWG, WG-ENV, PCTA, EB-JOUR, WG-CD, WG-WATS, WG-ON-FARM, WG-TRUE, WG-PQW, TF-WWF 5, WG-CBTE, WG-SOCIO, WG-IADWS and TF-LDCsAS
2	Austria (AUNCID)	2	2	ERWG and WG-HIST
3	Bangladesh (BANCID)	1	1	ASRWG
4	Brazil (ABID)	-	-	-
5	Canada (CANCID)	8	9	WG-TRUE, ST-ARAL, PFC, EB-JOUR, WG-DRG, WG-CROP, WG-CLIMATE, TF-IBWT and TF-WWF 5
6	Chile (CHICID)	-	-	-
7	China (CNCID)	11	20	WG-DRG, WG-MIS, ASRWG, WG-ENV, WG-WATS, WG-ON-FARM, EB-JOUR, WG-TRUE, WG-PQW, WG-YPF, PFC, WG-SDTA, WG-CD, PCSPOA, C-CONGR, WG-CROP, WG-HIST, WG-CBTE, WG-IADWS and TF-LDCsAS
8	Chinese Taipei (CTCID)	13	14	WG-DRG, ASRWG, WG-ENV, EB-JOUR, C-PR&P, WG-WATS, WG-MIS, WG-ON-FARM, WG-HIST, WG-CROP, WG-PQW, WG-CBTE, WG-CLIMATE and WG-IADWS
9	Croatia (CRCID)	3	3	WG-HIST, WG-CAFM and ERWG
10	Cyprus (CYCID)	1	1	ERWG
11	Czech Republic (CZNC-ICID)	2	3	ERWG; WG-PQW and WG-SOCIO
12	Egypt (ENCID)	7	14	WG-ENV, WG-DRG, WG-TRUE, WG-WATS, TF-LDCsAF, PCSPOA, PCTA, WG-PQW, C-PR&P, AFRWG, ST-LCB, TF-WWF-5, WG-CBTE and WG-IADWS
13	Estonia (ESTICID)	1	1	ERWG



S.No.	Country (NC)	Nos. of Members	Nos. of WBs	Names of Workbodies (WBs)
14	Ethiopia (ETCID)	1	2	AFRWG and TF-LDCsAF
15	Finland (FINCID)	3	3	ERWG, WG-ENV and WG-DRG
16	France (AFEID)	13	23	WG-MIS, ERWG, WG-DRG, TF-POVERTY, WG-TRUE, AFRWG, WG-ENV, WG-CROP, WG-CD, WG-ON-FARM, PCTA, EB-JOUR, WG-CLIMATE, WG-HIST, PFC, WG-WATS, WG-YPF, WG-PQW, ST-ARAL, PCSPOA, TF-WWF-5, WG-SOCIO and WG-CBTE
17	Germany (GECID)	7	8	ERWG, WG-ENV, PCSPOA, EB-JOUR, WG-HIST, WG-DRG, WG-ON-FARM and WG-SDTA
18	Greece (GRCID)	1	1	ERWG
19	Guyana (GUCID)	-	-	-
20	Hungary (HUCID)	4	7	WG-HIST, PFC, ERWG, WG-TRUE, WG-ON-FARM, WG-CAFM and WG-IADWS
21	India (INCID)	17	22	WG-TRUE, WG-CLIMATE, WG-DRG, WG-CAFM, C-PR&P, WG-YPF, TF-IBWT, WG-WATS, WG-SDTA, PCTA, PCSPOA, ASRWG, C-CONGR, EB-JOUR, PFC, WG-HIST, WG-ON-FARM, WG-CD, WG-PQW, WG-SOCIO, WG-CBTE and WG-IADWS
22	Indonesia (INACID)	4	8	WG-HIST, WG-SDTA, C-CONGR, EB-JOUR, PCSPOA, ASRWG, WG-SOCIO and WG-CBTE
23	Iran (IRNCID)	12	22	WG-TRUE, WG-DRG, WG-CAFM, WG-WATS, C-PR&P, C-CONGR, WG-MIS, WG-ON-FARM, EB-JOUR, PFC, WG-YPF, WG-HIST, ASRWG, WG-PQW, PCSPOA, WG-CLIMATE, TF-FIN, WG-ENV, TF-LDCsAS, WG-SOCIO, WG-CBTE and WG-IADWS
24	Iraq (IRQCID)	-	-	-
25	Ireland (IRCID)	1	1	ERWG
26	Israel (ISCID)	1	1	WG-PQW
27	Italy (ITAL-ICID)	12	16	WG-CD, AFRWG, ERWG, PCTA, WG-CROP, EB-JOUR, ST-ARAL, WG-TRUE, WG-ON-FARM, WG-WATS, C-PR&P, WG-ENV, PFC, WG-HIST, WG-CBTE and WG-IADWS
28	Japan (JNC-ICID)	12	23	WG-CAFM, WG-HIST, WG-ENV, WG-SDTA, EB-JOUR, ST-ARAL, WG-CROP, WG-ON-FARM, PFC, ASRWG, WG-MIS, WG-TRUE, PCTA, WG-PQW, TF-IBWT, WG-YPF, WG-CLIMATE, WG-DRG, TF-WWF-5, TF-LDCsAS, WG-SOCIO, WG-CBTE and WG-IADWS
29	Kazakhstan (KAZCID)	-	-	-
30	Korea (KCID-ICID)	11	13	WG-ENV, WG-DRG, WG-SDTA, PCSPOA, WG-CAFM, WG-ON-FARM, WG-CROP, ASRWG, EB-JOUR, WG-HIST, WG-YPF, WG-MIS and TF-LDCsAS

S.No.	Country (NC)	Nos. of Members	Nos. of WBs	Names of Workbodies (WBs)
31	Kyrgyz Republic (KYRCID)	-	-	-
32	Lithuania (LTCID)	1	1	ERWG
33	Macedonia (MAKCID)	1	1	ERWG
34	Malaysia (MANCID)	6	10	WG-DRG, EB-JOUR, ASRWG, WG-SDTA, PCSPOA, WG-TRUE, WG-YPF, C-CONGR, TF-FIN and TF-LDCsAS
35	Mali (AMID)	1	1	AFRWG
36	Mexico (MXCID)	5	3	AMRWG, WG-PQW and EB-JOUR
37	Morocco (ANAFIDE)	2	2	WG-ENV and WG-PQW
38	Myanmar (MNCID)	-	-	-
39	Nepal (NENCID)	1	1	ASRWG
40	Netherlands (NETHCID)	14	19	ERWG, WG-CAFM, WG-HIST, WG-ENV, WG-YPF, WG-PQW, WG-CROP, WG-SDTA, EB-JOUR, WG-DRG, C-PR&P, WG-TRUE, WG-HIST, TF-FIN, WG-MIS, TF-IBWT, TF-WWF-5, WG-SOCIO and WG-CBTE
41	Niger (ANID)	-	-	-
42	Nigeria (NINCID)	6	8	WG-DRG, ST-ARAL, ST-LCB, WG-ON-FARM, AFRWG, WG-HIST, TF-LDCsAF and WG-PQW
43	Pakistan (PANCID)	9	17	WG-CROP, WG-DRG, WG-PQW, EB-JOUR, WG-MIS, PCSPOA, ASRWG, TF-IBWT, PFC, WG-HIST, WG-CAFM, C-CONGR, WG-ENV, WG-YPF, WG-SOCIO, WG-CBTE and WG-IADWS
44	Philippines (PNC-ICID)	-	-	-
45	Portugal (PNCID)	4	5	WG-ENV, WG-ON-FARM, EB-JOUR; ERWG and WG-IADWS
46	Romania (CNRID)	1	1	ERWG
47	Russia (RUCID)	8	9	WG-TRUE, ERWG, PCTA, PCSPOA, ST-ARAL, C-CONGR, PFC, WG-YPF and WG-DRG
48	Saudi Arabia (SACID)	-	-	-
49	Serbia Republic (YUGCID)	1	1	ERWG
50	Slovenia (SINCID)	4	5	WG-ENV, WG-CROP, WG-DRG, ERWG and WG-CAFM

S.No.	Country (NC)	Nos. of Members	Nos. of WBs	Names of Workbodies (WBs)
51	South Africa (SANCID)	11	18	WG-TRUE, WG-DRG, WG-YPF, EB-JOUR, WG-WATS, AFRWG, ST-LCB, WG-PQW, WG-ON-FARM, PCSPOA, WG-CROP, WG-CLIMATE, WG-CAFM, TF-LDCsAF, WG-SOCIO, WG-CBTE, WG-IADWS and C-CONGR
52	Spain (CERYD)	6	12	WG-CROP, WG-WATS, WG-CAFM, WG-HIST, ERWG, WG-TRUE, WG-ON-FARM, AMRWG, WG-ENV, TF-IBWT, WG-SOCIO and WG-IADWS
53	Sri Lanka (SLNICID)	1	1	ASRWG
54	Switzerland (CH-AGRAM)	2	2	WG-CROP and ERWG
55	Syria (SYCID)	2	2	WG-DRG and WG-ENV
56	Thailand (THAICID)	3	4	ASRWG, WG-ENV, C-PR&P and WG-HIST
57	Turkey (TUCID)	4	9	ASRWG, WG-ENV, WG-CAFM, WG-DRG, PCTA, TF-WWF-5, TF-FIN, WG-CLIMATE and WG-SOCIO
58	Ukraine (UKCID)	1	3	ERWG, WG-ON-FARM and PCSPOA
59	United Kingdom (ICID.UK.)	13	18	WG-HIST, ERWG, WG-CAFM, AFRWG, ST-LCB, WG-WATS, EB-JOUR, C-PR&P, WG-TRUE, WG-MIS, ST-ARAL, WG-CROP, WG-PQW, WG-SDTA, TF-WWF-5, WG-SOCIO, WG-CBTE and WG-IADWS
60	Uruguay (URUCID)	-	-	-
61	USA (USCID)	16	25	WG-CROP, WG-ON-FARM, WG-DRG, WG-MIS, WG-TRUE, TF-FIN, EB-JOUR, WG-CD, WG-WATS, ST-ARAL, WG-PQW, WG-CAFM, C-PR&P, C-CONGR, PCTA, PFC, PCSPOA, ST-LCB, WG-CLIMATE, AMRWG, WG-ENV, WG-SOCIO, WG-CBTE, WG-IADWS and TF-IBWT
62	Uzbekistan (UzNCID)	2	6	ST-ARAL, PCSPOA, ASRWG, ST-LCB, TF-WWF-5 and WG-IADWS
63	Zambia (ZACID)	1	1	AFRWG

Having completed the mandated activities, WG-CBTE, WG-SOCIO, WG-IADWS and TF-LDCsAS were wound up at the 58th IEC held at Sacramento, USA. Mutual cooperation and collaboration between the NCs was encouraged to benefit each other and accomplish the objective oriented tasks of ICID. At the 58th IEC meetings, the following NCs of ICID actively involved their members or representatives in the Workbody meetings as detailed:



## Participation of National Committees of ICID in the 58th IEC Meetings:

### Australian National Committee (ANCID) members participated in 10 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ASRWG	Mr. Anthony John Horton
2	PCTA	VPH. Prof. Hector M. Malano represented by Dr. W. F. Vlotman
3	WG-TRUE	Mr. Stephen Mills
4	WG-CBTE	Mr. Kim Russell represented by Mr. Jolyon Burnett
5	WG-CAFM	Mr. V.C. Ballard
6	WG-IADWS	VPH. Prof. Hector M. Malano
7	WG-DRG	Dr. E. Christen
8	WG-ON-FARM	Mr. Stephen Mills
9	WG-CLIMATE	Mr. Kim Russell
10	TF-LDCsAS	VPH. Prof. Hector M. Malano

### Participation of Canadian National Committee of ICID (CANCID) in 5 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	EB-JOUR	Ms. Isabelle M. Proulx
2	WG-CROP	Mr. Laurie C. Tollefson
3	WG-CLIMATE	VPH. Dr. André Musy
4	PFC	VPH. Dr. Chandra Madramootoo
5	TF-WWF-5	PH. Aly M. Shady

### Participation of Chinese National Committee (CNCID) in 13 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VP. Dr. Gao Zhanyi
2	WG-YPF	Ms. Jianxin Mu represented by VP. Dr. Gao Zhanyi
3	C-CONGR	VP. Dr. Gao Zhanyi
4	WG-CBTE	Dr. Hu Heping
5	WG-WATS	Prof. Kaipeng Jiang represented by Dr. Yuan Hua Li
6	WG-HIST	Mrs. Xuming Tan represented by Dr. Hu Heping
7	WG-ENV	Dr. Hu Heping
8	WG-IADWS	Mr. Yan Guenyu represented Ms. Mu Jianxin
9	WG-DRG	Ms. Wang Shaoli represented by VP. Dr. Gao Zhanyi

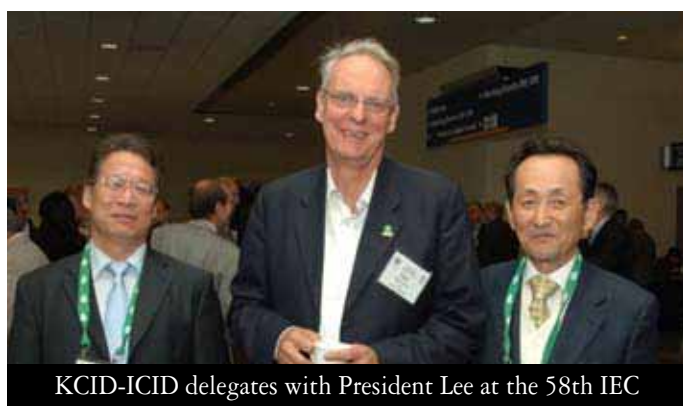
S. No.	Workbody	Member of the National Committee Participated
10	WG-MIS	Dr. Jiesheng Huang represented by VP. Dr. Gao Zhanyi
11	WG-PQW	VP. Dr. Gao Zhanyi
12	WG-ON-FARM	Mr. Yan Guanyu
13	PFC	VP. Dr. Gao Zhanyi, representing Mr. Yuanhun Li

#### Participation of Chinese Taipei Committee (CTCID) in 11 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ASRWG	Mr. Kuo, Sheng-Feng
2	WG-CBTE	Prof. Chen-Wuing Liu represented by Mr. Yih-Chi Tan
3	WG-WATS	Dr. Hsu, Shiang-Kueen represented by Mr. Yi Fong
4	WG-HIST	Prof. Wen-Pin Shu
5	WG-ENV	Prof. Yih-Chi Tan
6	WG-IADWS	Prof. Chang-Chi Cheng
7	C-PR&P	Prof. Hsieh, Yung-Hsu represented by Dr. Wen-Pin Shu
8	WG-DRG	Mr. Chen, Hung-Kwai represented by Liao Tsung-Shen
9	WG-MIS	Mr. Lee, Tsong-Hwei represented by Mr. Tan Chih Hung
10	WG-ON-FARM	Mr. Yeh Shu-Shr represented by Yi Fong
11	WG-CLIMATE	Dr. Ray-Shyan Wu

#### Participation of Croatian National Committee (CRCID) in 3 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ERWG	Prof. dr. Josip Marusic represented Dr. Davor Romic
2	WG-HIST	Prof. Zorko Kos represented by Prof. dr. Josip Marusic
3	WG-CAFM	Prof. Josip Petras



KCID-ICID delegates with President Lee at the 58th IEC



CTCID delegates at the 58th IEC

### Participation of Egyptian National Committee (ENCID) in 8 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	WG-TRUE	Dr. (Mrs.) Shaden Abdel-Gawad
2	WG-CBTE	Prof. Dr. (Mrs.) Dalal S. Alnaggar represented by VPH. Dr. M.H. Amer
3	WG-WATS	Eng. Hussein El-Atfy represented by Mr. Mohamed Wahba
4	WG-ENV	Dr. (Mrs.) Shaden Abdel-Gawad represented by Dr. Mohamed Wahba
5	WG-IADWS	Mr. Mohamed Wahba represented VPH. Dr. Hussein Ehsan El-Atfy
6	WG-DRG	Dr. Hussam Fahmy represented by VPH. Dr. M.H. Amer
7	WG-PQW	Dr. Samia El-Guindy
8	TF-WWF 5	Dr. (Mrs.) Shaden Abdel Gawad

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

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

### Finnish National Committee (FINCID) participated in 3 Workbody meetings.

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

### French National Committee (AFEID) participated in 14 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VPH. Dr. Alain Vidal
2	PCTA	Mr. Bruno Molle
3	WG-TRUE	Dr. A. Delacourt represented by Mr. Bruno Molle
4	WG-CD	Mr. Bruno Molle
5	WG-WATS	VPH. Dr. Alain Vidal represented by Mr. Bruno Molle
6	WG-DRG	Mr. Bernard Vincent
7	WG-MIS	Mr. François Brelle
8	WG-CROP	Mr. Bruno Molle represented Dr. Florent Maraoux



S. No.	Workbody	Member of the National Committee Participated
9	WG-PQW	Mr. Bernard Vincent
10	WG-ON-FARM	Mr. P. Ruelle represented by Mr. Bruno Molle
11	WG-CLIMATE	VPH. Dr. Henri Tardieu
12	PFC	VPH. Dr. Alain Vidal
13	TF-WWF 5	VPH. Dr. Alain Vidal
14	TF-POVERTY	VPH. Dr. Alain Vidal

#### Participation of German National Committee (GECID) in 5 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VP. Dr. Ing. Eiko Lübbe
2	ERWG	VP. Dr. Ing. Eiko Lübbe
3	EB-JOUR	Prof. dr. Joachim Quast
4	WG-HIST	Dr.-Ing. Klaus Röettcher
5	WG-ON-FARM	Dr. H. Sourell

#### Participation of Hungarian National Committee (HUCID) in 3 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ERWG	Dr. Laszlo G. Hayde
2	WG-HIST	Dr. Laszlo G. Hayde
3	PFC	Dr. Laszlo G. Hayde

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

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VPH. R. Jeyaseelan represented by Mr. B.S. Ahuja
2	WG-YPF	Dr. Sanjay Belsare
3	PCTA	VPH. R. Jeyaseelan represented by Mr. B.S. Ahuja
4	WG-CBTE	Mr. S.K. Das represented by Mr. S. Manoharan
5	WG-SOCIO	Mr. S.V. Sodal represented by Mr. Eknath Patil
6	WG-CAFM	Mr. B.S. Ahuja represented VPH. R. Jeyaseelan
7	C-PR&P	Mr. B.S. Ahuja
8	WG-DRG	Mr. S.K. Das represented by Mr. D. Datta
9	WG-ON-FARM	Dr. A.K. Randev
10	WG-CLIMATE	Dr. Krishna Kumar Kanikicharla

### Participation of Indonesian National Committee (INACID) in 4 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ASRWG	Mr. Sastrodihardjo Siswoko represented by VP. Dr. Hafied Gany
2	C-CONGR	VP. Dr. Hafied Gany
3	WG-HIST	VP. Dr. Hafied Gany
4	WG-SDTA	VP. Dr. Hafied Gany represented Dr. Indreswari Guritno

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

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VP. Dr. Karim Shiati
2	ASRWG	VP. Dr. Karim Shiati
3	WG-YPF	Mr. Ali Reza Salamat represented by Mr. Hassan Shantia
4	C-CONGR	Dr. Ezzatollah Farhadi
5	WG-TRUE	Dr. Ezzatollah Farhadi represented Mr. S.A. Assadollahi
6	EB-JOUR	VPH. Dr. Saeed Nairizi
7	WG-SOCIO	Mr. S.A. Assadollahi represented by Dr. Ezzatollah Farhadi
8	WG-WATS	Mr. Mehrzad Ehsani
9	WG-IADWS	VPH. Dr. Saeed Nairizi
10	C-PR&P	VPH. Javad Farhoudi represented by Mr. Ahmad Pourzand
11	WG-MIS	Dr. M.K. Siahi represented by Dr. Ezzatollah Farhadi
12	WG-PQW	VP. Dr. Karim Shiati
13	WG-ON-FARM	Mr. Hassan Shantia
14	WG-CLIMATE	VP. Dr. Karim Shiati
15	PFC	VPH. Dr. Saeed Nairizi
16	TF-LDCsAS	VPH. Dr. Saeed Nairizi
17	TF-FIN	Dr. Ezzatollah Farhadi



MANCICID delegates at the 58th IEC



JNC-ICID delegates at the 58th IEC

### Participation of Italian National Committee (ITAL-ICID) in 7 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ERWG	Dr. Michele Angelo Cuccaro
2	PCTA	Prof. Daniele De Wrachien represented by Dr. Graziano Ghinassi
3	EB-JOUR	Dr. Graziano Ghinassi represented by Prof. Daniele De Wrachien
4	WG-ENV	Dr. Stefano Salbitani
5	WG-IADWS	Dr. Graziano Ghinassi
6	WG-ON-FARM	Dr. Graziano Ghinassi
7	PFC	Dr. Stefano Salbitani

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

S. No.	Workbody	Member of the National Committee Participated
1	ASRWG	Dr. Shinsuke Ota
2	WG-YPF	Mr. Hidekazu Tagashira represented by Dr. Takanori Nagano
3	ST-ARAL	Prof. Dr. N. Hatcho
4	PCTA	Dr. Yohei Sato
5	WG-TRUE	Dr. Yohei Sato
6	WG-CBTE	Dr. M. Satoh represented by Prof. Dr. Takeshi Hata
7	EB-JOUR	VPH. Prof. Dr. Riota Nakamura
8	WG-SOCIO	Prof. Yohei Sato
9	WG-HIST	Prof. Dr. N. Hatcho
10	WG-ENV	Prof. Dr. N. Hatcho
11	WG-CAFM	Prof. Dr. Takeshi Hata
12	WG-IADWS	Dr. T. Watanabe
13	WG-DRG	Dr. Shinsuke Ota
14	WG-MIS	Mr. Y. Yukawa represented by Mr. Shuhei Seyama
15	WG-CROP	Dr. Y. Nakano
16	WG-PQW	Mr. S. Seyama
17	WG-ON-FARM	Dr. Y. Nakano
18	WG-SDTA	Mr. Ueda Kazumi
19	WG-CLIMATE	Dr. Tsugihiko Watanabe
20	PFC	Prof. Dr. Kinji Ohashi
21	TF-LDCsAS	VPH. Dr. Shigetaka Taniyama
22	TF-WWF-5	VPH. Prof. Dr. Riota Nakamura
23	TF-IBWT	Prof. Dr. Takeshi Hata



### Participation of Korean National Committee (KCID-ICID) in 10 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VPH. Dr. YooMan, HUH
2	ASRWG	Dr. Kim, Tai-Cheol
3	EB-JOUR	VPH. Prof. Dr. Soon-Kuk Kwun
4	WG-HIST	Dr. S.H. Lee represented by Dr. Na, Jeong-Woo
5	WG-ENV	Dr. Choi, Joong-Dae
6	WG-MIS	VPH. Dr. Yoo-Man, HuH
7	WG-CROP	Mr. Tai Cheol Kim
8	WG-SDTA	Dr. Sang-Hyun Park
9	TF-LDCsAS	VPH. Dr. Huh Yoo-Man represented by Dr. Sang-Hyun Park
10	WG-YPF	Mr. Jong Min Park represented by Mr. Wook Jong Ju

### Participation of Malaysian National Committee (MANCID) in 10 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VP. Ir. Mohd. Azhari bin Ghazalli
2	ASRWG	VP. Ir. Mohd. Azhari Ghazali represented by Mr. Mohd Abdul Nassir bin Bidin
3	WG-YPF	Mr. Velayudan Sv.Kalaiselvam
4	C-CONGR	VP.Ir. Mohd. Azhari bin Ghazalli
5	WG-TRUE	Dr. Mohammad Che Husain
6	EB-JOUR	PH. Ir. Keizrul bin Abdullah
7	WG-DRG	PH. Ir. Keizrul bin Abdullah
8	WG-SDTA	Ir. Teoh Weng Chaw represented by VP. Ir. Mohd. Azhari bin Ghazalli
9	TF-LDCsAS	VP. Ir. Mohd. Azhari bin Ghazalli
10	TF-FIN	Mr. Zainor Rahim bin Ibrahim

### Participation of The Netherlands National Committee (NETHCID) in 12 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ERWG	Dr. A.L. Hakstege represented by Prof. R. Brouwer
2	WG-YPF	Dr. Ir. Maurits Ertsen
3	EB-JOUR	PH. Prof. Bart Schultz and Ir. Paul van Hofwegen
4	WG-HIST	Dr. Hubert Toussaint

S. No.	Workbody	Member of the National Committee Participated
5	WG-ENV	Dr. G.A.P.H. van den Eertwegh
6	WG-CAFM	Ir. Dick de Bruin
7	C-PR&P	Ir. Paul van Hofwegen represented by PH. Prof. Bart Schultz
8	WG-DRG	Dr. W.F. Vlotman
9	WG-MIS	Mr. Maurits Ertzen
10	TF-WWF 5	PH. Prof. Bart Schultz
11	TF-FIN	Ir. Paul van Hofwegen
12	TF-IBWT	PH. Prof. Bart Schultz

#### Participation of Nigerian National Committee (NINCID) in 4 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	AFRWG	VPH. Engr. I.K. Musa and Engr. M.S. Adamu representing Mr. M.S. Bala
2	ST-LCB	Engr. M.S. Adamu and VPH. Engr. I.K. Musa representing Engr. Bukar Wakil
3	TF-LDCsAF	VPH. Engr. I.K. Musa
4	TF-IBWT	VPH. Engr. I.K. Musa

#### Participation of Pakistan National Committee (PANCID) in 9 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ASRWG	Mr. Waseem Nazir
2	WG-YPF	Er. Qazi Tallat Mahmood Siddiqui represented by VP. Dr. Illahi B. Shaikh
3	C-CONGR	VP. Dr. Illahi B. Shaikh
4	WG-HIST	VP. Dr. Illahi B. Shaikh
5	WG-CAFM	VP. Dr. Illahi B. Shaikh
6	WG-DRG	Dr. M. N. Bhutta represented by Ir. Waseem Nazir and Mr. S. R. Abbass Shah
7	WG-MIS	VP. Dr. Illahi B. Shaikh
8	PFC	Mr. Syed Raghieb Abbass Shah
9	TF-IBWT	Mr. Syed Jamait Ali Shah

### Participation of Russian National Committee (RUCID) in 6 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ERWG	Dr. Irina Pankova represented Dr. E. P. Gusenkov
2	ST-ARAL	Mr. Acad. Boris Kizyaev
3	C-CONGR	Dr. Dubenok Nikolay
4	PCTA	VPH. Dr. G. G. Guluyk represented by Dr. Nikolay G. Kovalev
5	WG-DRG	Dr. Yurii Yanko
6	PFC	Dr. A.V. Kolganov

### Participation of Slovenian National Committee (SINCID) in 4 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	ERWG	Prof. Franci Steinman represented by VPH. Prof. Brane Maticic
2	WG-ENV	Dr. Smiljan Juvan represented by Prof. F. Steinman
3	WG-CAFM	Prof. dr. Franc Steinman
4	WG-CROP	Prof. F. Steinman represented VPH. Prof. Brane Maticic

### Participation of South African National Committee (SANCID) in 17 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VP. Felix Britz Reinders
2	AFRWG	Dr. Sizwe Mkhize
3	WG-YPF	Mr. Bennie Grove represented by Ms. Norah Mape
4	C-CONGR	VP. Felix Britz Reinders
5	WG-TRUE	Prof. J.G. Annandale represented by Dr. G. R. Backeberg
6	WG-CBTE	Dr. J. B. Stevens represented by Dr. G. R. Backeberg
7	EB-JOUR	Dr. G. R. Backeberg represented Prof. Dr. James Murray de Jager
8	WG-WATS	Dr. Neil Louis Lecler represented by Dr. G. R. Backeberg
9	WG-CAFM	Prof. M.F. Viljoen
10	WG-IADWS	Dr. G. R. Backeberg
11	WG-DRG	Mr. AT van Coller represented by Ms Mary Jean Gabriel
12	WG-CROP	Dr. Andrew Sanewe
13	WG-PQW	Dr. Heinrich Meiring Du Plessis represented by Ms. N. Mape
14	WG-ON-FARM	VP. Felix Britz Reinders



S. No.	Workbody	Member of the National Committee Participated
15	TF-LDCs-AF	Dr. Sizwe Mkhize
16	WG-SOCIO	Prof. SR Perret represented by Ms Mary Jean Gabriel
17	WG-CLIMATE	Dr. Andrew Sanewe

#### Participation of Spanish National Committee (CERYD) in 5 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	WG-HIST	VPH. Prof. Ricardo Segura Graiño represented by VPH. Dr. José A. Ortiz Fdz.-Urrutia
2	WG-ENV	VPH. Dr. José A. Ortiz Fdz.-Urrutia
3	WG-CAFM	VPH. Dr. José A. Ortiz Fdz.-Urrutia represented Prof. J.L. Montanes
4	WG-ON-FARM	VPH. Dr. José A. Ortiz Fdz.-Urrutia
5	TF-IBWT	VPH. Dr. José A. Ortiz Fdz.-Urrutia

#### Participation of Turkish National Committee (TUCID) in 6 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	WG-SOCIO	Mr. Sezar Ercan
2	WG-CAFM	Mr. Ahmet Seren
3	WG-DRG	Ms. Nurgül Üzücek
4	WG-CLIMATE	Ms. Nurgül Üzücek
5	TF-WWF-5	Mr. Hasan Basri Yuksel
6	TF-FIN	Ms. Şadiye Yalçın

#### Participation of British National Committee (ICID.UK) in 8 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	WG-HIST	Mr. Charles L. Abernethy
2	WG-CROP	Dr. Ragab Ragab
3	WG-PQW	Dr. Ragab Ragab
4	WG-CBTE	Prof. Tom Franks
5	WG-IADWS	Dr. Ragab Ragab
6	C-PR&P	President Peter S. Lee
7	TF-WWF-5	President Peter S. Lee
8	WG-TRUE	President Peter S. Lee

## Participation of U.S. National Committee (USCID) in 19 Workbody meetings:

S. No.	Workbody	Member of the National Committee Participated
1	PCSPOA	VP. Dr. Mark Svendsen
2	C-CONGR	Mr. Bert Clemmens represented by VPH. Larry D. Stephens
3	PCTA	VPH. Larry D. Stephens
4	WG-TRUE	Dr. John A. Replogle
5	WG-CBTE	Prof. Dorota Z. Haman
6	EB-JOUR	Dr. Bryan P. Thoreson
7	WG-WATS	VP. Dr. Mark Svendsen
8	WG-CAFM	Mr. Maurice Roos
9	WG-IADWS	Mr. F. Dimick
10	C-PR&P	VPH. Larry D. Stephens
11	WG-DRG	Dr. James Ayars
12	WG-MIS	Mr. Thomas E. Mitchell
13	WG-CROP	Prof. R.G. Allen
14	WG-PQW	Mr. Martin Roche
15	WG-ON-FARM	Dr. J.E. Ayars
16	WG-CLIMATE	VP. Dr. Mark Svendsen
17	PFC	Mr. Joseph I. Burns represented by Dr. James Ayars
18	TF-FIN	Mr. Eric Vala
19	TF-IBWT	Mr. Maurice Roos



Dr. Nikolay (RUCID) with President Lee at the 58th IEC



VPH J.A. Ortiz F. Urrutia, CERYD (L) & Mr. Maurice Roos USCID

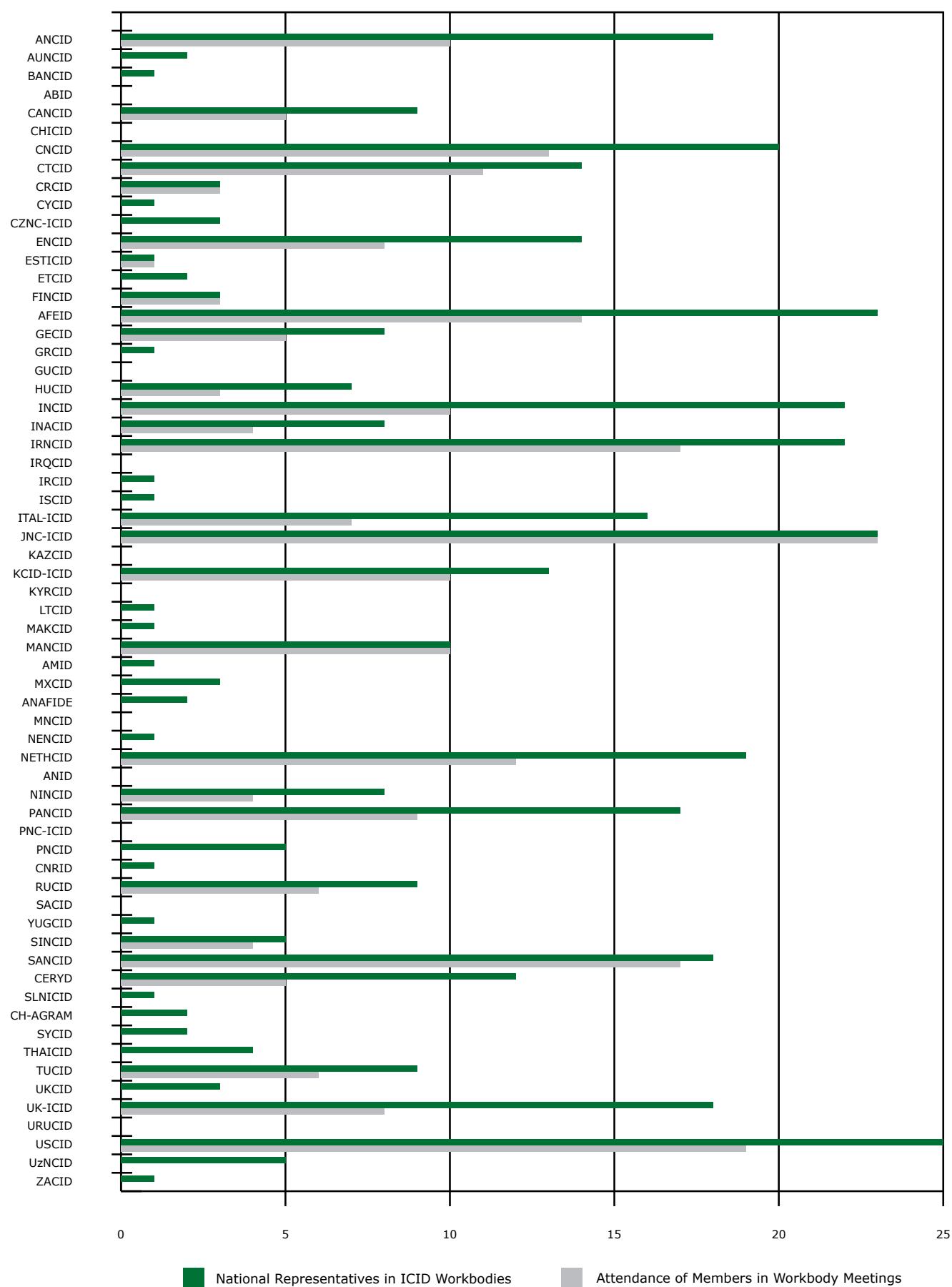


PANCID delegates at the 58th IEC



SANCID delegates with President Lee at the 58th IEC

## Participation of NCs in ICID Workbody Meetings





# Activities of Member Committees

In addition to participating in the 58th IEC meetings of ICID held at Sacramento, USA, some of the NCs as given below involved themselves at their regional levels not only for promoting the ICID objectives but also benefiting their populace. Activities performed included information dissemination by way of publishing Books/ Articles/ CD-ROMs/ WebPages and Organizing Workshops/ Meetings/ Conferences involving regional stakeholders.

**ANCID** has merged with the Irrigation Association of Australia (IAA) to become Irrigation Australia Limited (IAL). This new and stronger peak body will represent the interests of irrigation and drainage in Australia. An extremely important objective of the new organization is to maintain close and strong links with ICID and the ICID family. The IAL is on the job of creating an information portal [www.irrigate.net.au](http://www.irrigate.net.au) aiming to provide a vital source of information about irrigation in the country. It currently links to more than 250 relevant websites and as many as 1000 useful web pages. A team of professional communicators has been working many months to prepare this website, with one of the most challenging tasks being the actual search for the best information on irrigation and ensuring that irrigation gains a higher profile across the community.

**IRNCID** took the initiative of establishing regional committees to expand its activities at regional and provincial levels so as to benefit from all available resources of the country. 9 regional committees have been established and are active in different parts of the country, especially, where the irrigated agriculture is crucial. IRNCID has over 2000 members comprised of various experts and university students. In order to disseminate information and news of IRNCID and ICID within the community quarterly newsletters are published and sent to the members, related companies and institutes on regular basis. IRNCID has published more than 10 books/ proceedings in English/ Persian languages. IRNCID also translated FAO/ICID publications into Persian language to have a better understanding.

As one of its missions, IRNCID conducted the following workshops on:

- “Rehabilitation, Modernization, and Performance Improvement of Irrigation Networks”, with cooperation of Tarbiat Modarress University and IRNCID on 1 May, 2007.
- “Pressurized Irrigation Systems Automation” on 24 May, 2007 involving about 350 experts, students, and researchers and presenting 17 papers.
- “Improving Water Use Efficiency in Greenhouse” in October 2007 presenting 10 papers orally and 17 in a poster session. About 300 experts and researchers attended the event.
- “Impact of Climate Change on Water Resources Management (ICCWRM)” on 13 February 2008. Dr. Rasoul Zargar, Deputy Minister for Water and Waste-Water Affairs and

Chairman, IRNCID made the inaugural speech. 14 papers were also presented.

VP Dr. Karim Shiati and Chairman ASRWG, IRNCID visited the Turkish National Committee of ICID (TUCID) on kind invitation of Mr. Haydar Kocaker, Director General of State Hydraulic Works (DSI) during 4 – 5 February 2008 at Ankara, Turkey. The occasion was utilized for projecting the ongoing activities of TUCID as well as IRNCID, where many deputies and staff of DSI participated. To enhance the regional cooperation among the two NCs of ICID in the West Asia, namely TUCID (with 5 million ha irrigated agriculture) and IRNCID (with 8.5 million ha irrigated agriculture), an MoU between the NCs was agreed to be signed during the forthcoming Lahore Congress scheduled in October 2008.



VP Karim Shiati (L) with DSI Officials during his visit to Turkey

**ITAL-ICID** informed that at the Opening Ceremony of the 32nd Congress of IAHR (Venice, in July 2007) VPH Prof. Costantino Fasso had been awarded with the Honorary Membership of IAHR, in recognition of his outstanding achievements in the field of aquifer pumping and water resources management, and promotion of international scientific cooperation through ICID.

**MANCID** organized a seminar during 15-16 April 2007 at the Grand Continental Hotel, Malaysia. The co-organizers for this seminar were Ministry of Agriculture and Agro-Based Industry Malaysia, Department of Irrigation and Drainage Malaysia, Malaysian Hydrological Society, International Hydrological Programme and Humid Tropic Centre, Kuala Lumpur. Welcome Speech by YPF-MANCID Chairman Mr. Amlir bin Ayat and Opening Speech by PH. Y. Bhg Datuk Paduka Ir. Hj. Kezirul bin Abdullah were made. During the occasion MANCID organized site visits to Pulau Kapas and Muara Sungai Kuala Terengganu.

MANCID delegation lead by VP Ir. Mohd. Azhari bin Ghazalli, alongwith 13 other MANCID member team visited the Indonesian National Committee (INACID) office at Bandung, Indonesia on 15-18 November 2007 to develop better relationship between the two countries of the Asian Region.

MANCID organized its 30th Annual Conference, 10th Annual General Body Meeting, and INWEPF WG1 workshop during



MANCID delegates on visit to INACID

the period from 2-4 February 2008 selecting, "Implication of Global Changes on Irrigation & Drainage System Development and Management" as the main theme and 'Agricultural development'; 'Water table management'; 'Drought & flood management' and 'New technologies & applications' as sub-themes.

During the conference session, three keynote addresses were delivered :

- Implications of Global Changes on Irrigation and Drainage System Development and Management by VP. A. Hafied A. Gany, Indonesia;
- Irrigation and Drainage & Global Changes by Mr. Thierry Facon, Senior Water Management Officer, FAO Bangkok, Thailand and
- Climate Change and Water by Mr. Shuhaimen Ismail from MARDI, Malaysia.

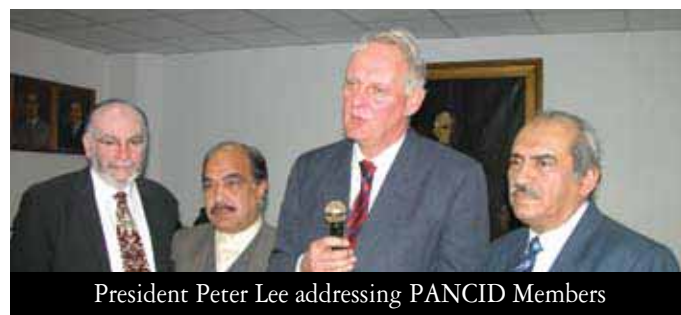
More than 155 participants comprising eminent experts, professors, academicians and scientists from different organizations and students from local universities attended the conference. MANCID also conducted site visits to Flood Mitigation Project and Likas Lagoon Birds Sanctuary Park at Mangrove Swamp and Kota Kinabalu Wetland Centre in Kota Kinabalu, Sabah.

**ANAFIDE** - The Morocco National Committee on Irrigation and Drainage organized an electronic conference on "Water savings in irrigation" from 11-14 February 2008 in collaboration with FAO and IPTRID considering the importance of climatic change. The conference provided a platform to discuss agricultural production in regional and climatological contexts.

**PANCID** during the reporting period was entrusted with the work of hosting the 59th IEC and 20th ICID Congress scheduled at Lahore, Pakistan from 13 -18 October 2008. For providing information on these events, PANCID developed and launched a website [www.icid2008.org](http://www.icid2008.org). The website provides all information regarding theme/sub theme of the congress, special session, workshop, call for papers, venue, registration, visa, stay and travel details.

President Lee in February 2008 made a visit to Pakistan to assess the preparatory arrangements and discuss with the organizers the schedule for the Congress and other ICID events, linked to the 59th IEC meetings. PANCID had assured the

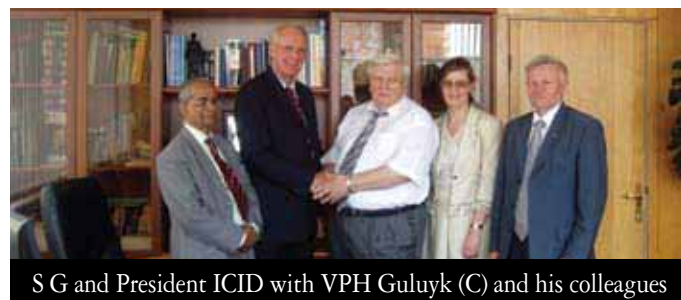
best possible preparatory action for a successful event. At the end of President's visit, a joint invitation by President Lee and PANCID Chair VP Shaikh was made and disseminated it amongst all NCs.



President Peter Lee addressing PANCID Members

**RUCID** together with the Land Reclamation, Drainage and Technical Support Department of the Ministry of Agriculture of the Russian Federation organized a special meeting of land reclamation professionals of the Russian Federation on 8 June 2007. President Lee and Secretary General ICID joined the events. VPH Dr. Georgi Guluyk, Chairman of the above Department and RUCID made a speech on the occasion:

"The impetus for the land improvement and increasing the soil fertility under the State Program of development of agriculture, in order to achieve the regulation of the markets of agricultural production, will continue keeping in view the demand for raw material and food needs for 2008-2010 years. The federal law on "Development of Agriculture" is accepted and is being implemented. Russia's full membership of FAO (and the RUCID) since 1992 has helped to strengthen the mutual relations with ICID. Agricultural and water management engineers, land reclamation and drainage specialists always work together, recognizing the necessity and utility of their joint roles and contribution to the development of sustainable agriculture", it was brought out.



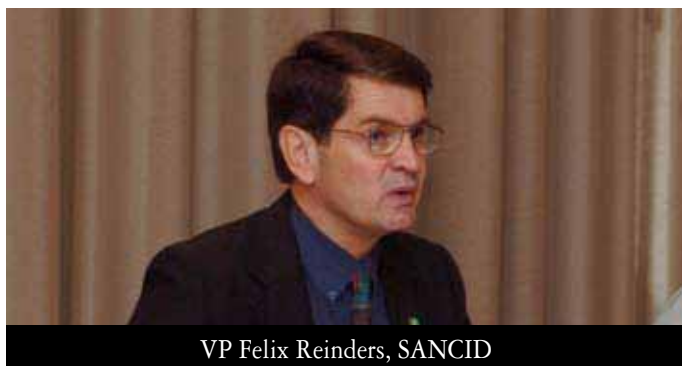
S G and President ICID with VPH Guluyk (C) and his colleagues

RUCID developed a Russian Version of ICID website contents and presented it briefly by Dr. Irina Bondarik during the occasion of the 58th IEC held at Sacramento, USA.

**SANCID** arranged its Annual Lecture in October 2007 and was presented by Mr Cain Chunda and Mr Thabo Masike-the representatives of the Department of Water Affairs and Forestry.

VP Felix Reinders, SANCID as VP of ICID representing Africa made a special effort to participate in the conference organized by the Western African Regional Irrigation Association (ARID), in Burkina Faso from 29 January to 3 February 2008.





VP Felix Reinders, SANCID

SANCID provided articles on “Smallholder Irrigation in South Africa” and “Africa Needs Integrated Approach of Rainfed and Irrigated Agriculture to Sustain Rural Livelihood and Local Food Security” for publishing in the ICID Newsletter issues of 2007/1 and 2008/1 respectively.

SANCID mentioned that the “vehicles” to actively involve its members in SANCID/ICID activities have been “operationalized” at regional, national and international levels with a motto to work together to achieving the objectives of ICID and to promote irrigation, drainage and flood control specifically for managing water for sustainable agricultural to attain adequate food production and food security.

**CERYD** had the honor of felicitating VPH Dr. José María Martín Mendiluce, President and Prof. José Liria Montañés, Secretary General of CERYD during the occasion of a session held by the Spanish Society of Dams and Reservoirs (SEPREM) on 26 February 2008 at the Ministry of the Environment in Madrid. The event was programmed to honor a very selected group of senior civil engineers in recognition of their outstanding works in their long professional lives in the field of hydraulics (designing and building big hydraulic structures), investigation on the performance improvement and design of such works, writing and publishing technical books, creating simulation models for canal operation, teaching activities at high technical schools etc. The SEPREM organizers handed over silver plaques to the CERYD Members as an expression of gratitude for their long contributions to the hydraulic works carried out in Spain and many other countries of the world.

**TUCID** Chairman Prof. Dr. Veysel EROGLU was elected as a member of the Turkish Parliament in the general elections held on 22 July 2007. Later on he was elevated to the position of Minister of Environment and Forests in Turkey. The TUCID Chairman Dr. EROGLU is one of the Governors of WWF. He combines in him all the attributes of a technocrat, practicing engineer, academician, besides a ‘Water – Sensitive’ parliamentarian taking a lead role in WWF 5 coordinating ICID objective oriented activities— as a ‘host country’ key expert.

**ICID.UK** organized a workshop on “Water Governance: Emerging theory and practice” on 19 October 2007 at Institution of Civil Engineers, London. Over 60 delegates participated and 7 presentations were made and discussed:

- Tom Franks, “A framework for water governance: from analysis to diagnosis”
- Patrick Moriarty, “EMPOWERS- Stakeholder dialogue and participatory planning for improved local water governance in the middle-east”
- Bruce Lankford, “Governance breakdown or breakthrough? The benefits of disintegrating water resources management”
- Felicity Chancellor, “Water governance – participation, representation and accountability: Observations from South Africa”
- Laurence Smith, “Governance for Catchment Management and Protection of Water Resources- Drawing of International Experience”
- Mark Zeitoun, “Hydro-Hegemony- Obstacle or catalyst for international transboundary water governance” and
- Stephen Hodgson, “Water rights- A pre-requisite for effective water governance”

**UKCID** - The Ukraine National Committee on Irrigation and Drainage had carried out rehabilitation activities of irrigation systems in Ukraine, which suffered consequent to agrarian reforms. The rehabilitation of irrigation and drainage systems was carried out in co-operation with the State Committee for Water Management of Ukraine and the Ministry for Agrarian Policy and the Ministry for Nature. UKCID also addressed the problems related to floods, droughts, occurrences of hot winds and global climate change. Mitigative measures adaptable are deliberated through conducting scientific and technical meetings involving scientists from state organizations and other stakeholders. The efforts of the Ukrainian Committee were also concentrated and intensified to adapt such measures which could increase efficient use of water resources.

**USCID** has a membership of about 450 organizations and individuals from government agencies, irrigation districts, consulting firms, and universities. USCID organizes conferences and workshops for the North American irrigation community each year in addition to participating in the ICID activities and events.

This year, USCID had the proud privilege of welcoming ICID colleagues around the world to the 58th IEC meetings and USCID Forum International Conference on Irrigation and Drainage. During the occasion, USCID enabled to conduct over 35 workbody meetings of ICID, 8 workshops/conference, exhibitions involving more than 40 companies, study tours etc. More than 450 delegates belonging to 35 countries all over the world participated. USCID took the privilege of sponsoring ICID WatSave Awards 2007 also.

**All the members of ICID fraternity who participated for moving ICID objectives to forefront are thanked for their valuable contribution and dedication.**



# Financial Statement

## Consolidated Receipts and Payments Account (1 April 2007 to 31 March 2008)

	2007-08 (Rs.)	2006-07 (Rs.)
<b>RECEIPTS</b>		
Membership Subscription	9 556 932	9 389 521
Publications	537 911	482 083
Meeting Receipts	160 000	180 000
Interest	1 190 962	1 278 610
Others	306 553	1 370 228
Let out property	-	6 173 040
<b>Total Receipts</b>	<b>11 752 358</b>	<b>18 873 482</b>
<b>PAYMENTS</b>		
Salaries and Retirement Benefits	10 488 720	8 571 748
Services and Maintenance	2 034 038	1 776 026
Property Tax and Utilities	1 752 515	1 796 046
Rehabilitation / Refurbishing	-	-
Printing and Distribution	1 850 380	2 182 618
Subscription to other organizations	-	-
Travel Expenditure	1 139 931	845 596
Others	-	1 895 670
Contingency	-	-
<b>Total Payments</b>	<b>17 265 584</b>	<b>17 067 704</b>
<b>SURPLUS (DEFICIT)</b>		
Surplus (Deficit) (1)	(5 513 226)	1 805 778
Grant Receipts	220 150	67 005
Grant Utilization	-	2 570 427
Surplus (Deficit) of Grants (2)	220 150	(2 503 422)
Net Surplus (Deficit) (1)+(2)	(5 293 076)	(697 644)
	<b>As on 31.3.2008 (Rs.)</b>	<b>As on 31.3.2007 (Rs.)</b>
<b>ASSETS</b>		
Property and Equipment	9 330 183	9 686 045
Receivables	2 391 173	2 731 542
Stocks	1 475 953	1 822 179
Cash at bank and in hand	23 926 926	31 354 559
<b>Total Assets</b>	<b>37 124 235</b>	<b>45 594 325</b>
<b>LIABILITIES</b>		
Accounts payable	3 114 948	3 114 948
Grants	284 784	64 634
Gratuity Fund	2 869 781	2 609 138
Superannuation Fund	1 503 292	1 424 659
<b>Total Liabilities</b>	<b>7 772 805</b>	<b>7 213 379</b>
<b>NET ASSETS</b>	<b>29 351 430</b>	<b>38 380 946</b>
<b>RESERVES</b>		
General Fund	28 659 628	37 728 650
Dictionary Fund	691 802	652 296

The year 2007-08 closed with total receipts of Rs. 11.97 Million (including grant receipts) and expenses of Rs. 17.26 Million reflecting a deficit of Rs. 5.29 Million on account of non-receipt of Rs. 7 million as rent during the period 2007-08.

### External Support

In 2007-08, the Commission received a sum of Euro 3500 from Italy towards financial assistance for printing of the publication on "Manual for Performance Evaluation of Sprinkler and Drip Irrigation Systems".

# Future ICID Events

## ICID Council Meetings

### 1. 59th IEC Meeting, 13-18 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](mailto:icid@icid2008.org), Website : <http://www.icid2008.org>.

### 2. 60th IEC Meeting, 11-17 October 2009, Abuja, Nigeria

Contact: Engr. D.B. Madu, Secretary General, Nigerian National Committee of ICID (NINCID), Federal Ministry of Agriculture and Water Resources, Department of Dams and Irrigation, Old Secretariat, Area 1, Garki, Abuja, Nigeria. Tel. +234 803 2977965; +234 804 4108000, Fax +234 9 2347394, E-mail : [nincid@yahoo.co.uk](mailto:nincid@yahoo.co.uk), [nincid@icid2009.org](mailto:nincid@icid2009.org), Website : <http://www.icid2009.org/>

### 3. 61st IEC Meeting, 05-12 September 2010, Jogjakarta, Indonesia

Contact : Dr. Ir. Roestam Sjarief, MNRM, President, Indonesian National Committee of 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 : [inacid@pu.go.id](mailto:inacid@pu.go.id), [inacid\\_indonesia@yahoo.co.id](mailto:inacid_indonesia@yahoo.co.id), [icid2010@gmail.com](mailto:icid2010@gmail.com)

### 4. 62nd IEC Meeting, 2011, Iran

Contact : Dr. S.A. Assadollahi, Secretary General, Iranian National Committee on Irrigation and Drainage (IRNCID), No. 24, Shahrshaz Lane, Kargozar St., Zafar Ave., Tehran. Iran. Tel : +98 21 2257348; Fax : +98 21 2272285; E-mail : [IRNCID@neda.net.ir](mailto:IRNCID@neda.net.ir), [irncid@gmail.com](mailto:irncid@gmail.com), [info@irncid.org](mailto:info@irncid.org), Website : <http://www.irncid.org>

## ICID Regional Conferences

### 1. 3rd African Regional Conference, 11-17 October 2009, Abuja, Nigeria

Contact: Engr. D.B. Madu, Secretary General, Nigerian National Committee of ICID (NINCID), Federal Ministry of Agriculture and Water Resources, Department of Dams and Irrigation, Old Secretariat, Area 1, Garki, Abuja, Nigeria. Tel. +234 803 2977965; +234 804 4108000, Fax +234 9 2347394, E-mail : [nincid@yahoo.co.uk](mailto:nincid@yahoo.co.uk), [nincid@icid2009.org](mailto:nincid@icid2009.org).

org, Website : <http://www.icid2009.org/>

### 2. 5th Asian Regional Conference, 2009, India

Contact : 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 1148, Fax : +91-11-2617 6533, E-mail : [msincid@yahoo.co.in](mailto:msincid@yahoo.co.in) Website : <http://cwc.gov.in/main/INCID/welcome.html>

### 3. 23rd European Regional Conference, 18-24 May 2009, Lviv, Ukraine.

Contact : Prof. Peter Kovalenko, Vice President, ICID, President, Ukraine National Committee of ICID (UKCID), Institute of Hydraulic Engineering and Land Reclamation Vasylykivska, Str. 37 Kyiv 22, 03022, Ukraine. Tel : +44 263 4030, Fax : +44 2909473, E-mail : [kovalenko@igim.org.ua](mailto:kovalenko@igim.org.ua), [ukcid@igim.org.ua](mailto:ukcid@igim.org.ua), [ukricid@reclamation.org.ua](mailto:ukricid@reclamation.org.ua)

### 4. 6th Asian Regional Conference, 05-12 September 2010, Jogjakarta, Indonesia

Contact : Dr. Ir. Roestam Sjarief, MNRM, President, 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 : [inacid@pu.go.id](mailto:inacid@pu.go.id), [inacid\\_indonesia@yahoo.co.id](mailto:inacid_indonesia@yahoo.co.id), [icid2010@gmail.com](mailto:icid2010@gmail.com)

## ICID Congress

### 1. 20th International Congress on Irrigation and Drainage, Lahore, Pakistan, 13-18 October 2008

Contact : Conference Secretariat, 506-WAPDA House, Lahore, Pakistan. Tel : +92 42 9202538, Fax : +92 42 9202154, E-mail : [icid@icid2008.org](mailto:icid@icid2008.org). For more details please turn to the page 80.

### 2. 21st International Congress on Irrigation and Drainage, 2011, Iran

Contact : Mr. S.A. Assadollahi, Secretary General, Iranian National Committee on Irrigation and Drainage (IRNCID), No. 24, Shahrshaz Lane, Kargozar St., Zafar Ave., Tehran. Iran. Tel : +98 21 2257348; Fax : +98 21 2272285; E-mail : [IRNCID@neda.net.ir](mailto:IRNCID@neda.net.ir), [irncid@gmail.com](mailto:irncid@gmail.com), [info@irncid.org](mailto:info@irncid.org), Website : <http://www.irncid.org>

# 20<sup>th</sup> Congress and 59<sup>th</sup> IEC of ICID

ICID Congresses concentrate on themes of global interest keeping in view their relevance for the profession. The events are held once in three years in any one of its member countries who volunteer to assist in this regard.

Pakistan National Committee of ICID (PANCID) will host the 20th Congress, 59th IEC and other allied events in Lahore, Pakistan during the period from 13 to 18 October 2008. Pakistan is a member of ICID since 1953. All the activities of ICID are coordinated and managed by the PANCID. Chief Engineering

Adviser, Govt. of Pakistan acts as Chairman PANCID and Engineering Adviser (Civil), Govt. of Pakistan as Secretary PANCID. Members of PANCID regularly attend the ICID annual meetings held at various venues around the world.

The Theme of the 20th Congress will concentrate on "Participatory Integrated Water Resources Management - From Concepts to Actions". During the Congress papers will be presented and discussed for two questions, a Special Session and a Symposium as detailed below:

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
Special Session	Implication of Global Changes on Irrigation and Drainage System Development and Management
Symposium	Integrated Water Management in the River Basin Context
	Points of attention: - Roles and impacts of reservoirs; - Impact of changes in land use on water management needs

The 20th Congress will help to recognize the multidisciplinary and multifunctional roles required while providing an ideal platform in the implementation of Integrated Water Resources Development and Management (IWRDM). Apart from giving the focus on research and recent developments, the need for contribution to the growing demand of food and fibre for an ever increasing population will also be highlighted.

ICID fraternity along with PANCID extends invitation to all of you to participate in the 20th Congress, 59th IEC and all other allied events scheduled at Lahore, Pakistan in October 2008. For further details:

Please visit the website : <http://www.icid2008.org>.



# Office Bearers and their E-mail Addresses

Sr.No.	Name	Position	E-mail
1.	Mr. Peter S. Lee UK (2005-2008)	President	peterlee-icid@spamarrest.com
2.	Er. M. Gopalakrishnan India (2004-2009)	Secretary General	icid@icid.org
3.	Dr. Mark Svendsen USA (2005-2008)	Vice President	msvendsen@peak.org
4.	Mr. Felix B. Reinders South Africa (2005-2008)	Vice President	felixr@ing1.agric.za, reindersf@arc.agric.za
5.	Dr. Gao Zhanyi China (2005-2008)	Vice President	gaozhy@iwhr.com
6.	Dr.-Ing. Eiko Lübbe Germany (2006-2009)	Vice President	524@bmelv.bund.de
7.	Dr. Karim Shiati Iran (2006-2009)	Vice President	karim.shiati@yekom.com, k_shiati@yahoo.com
8.	Ir. Mohd. Azhari bin Ghazalli Malaysia (2006-2009)	Vice President	azhari@agri.moa.my
9.	Prof. Peter Kovalenko Ukraine (2007-2010)	Vice President	kovalen@users.ukrsat.com, uncid_2007@inbox.ru
10.	Dr. A. Hafied A. Gany Indonesia (2007-2010)	Vice President	gany@hafied.org
11.	Dr. Illahi B. Shaikh Pakistan (2007-2010)	Vice President	pakfloodcommission@hotmail.com

# Contacts of Workbody Chairpersons

## Chairpersons of Workbodies

S.No.	Chairperson's Name	Workbody	E-mail Addresses (as on 31 March 2008)
<b>Permanent Committee</b>			
1	VPH Dr. Chandra A. Madramootoo	PFC	chandra.madramootoo@mcgill.ca
2	VPH Dr. Hector Malano	PCTA	h.malano@civenv.unimelb.edu.au
3	VP Dr. Gao Zhanyi	PCSPOA	gaozhy@iwhr.com
<b>Committee/Working Group/Work Team Under PCTA</b>			
<b>A. Under the Strategy Theme "Knowledge"</b>			
4	PH Prof. dr. Bart Schultz	EB-JOUR	bart.schultz@rws.nl
5	VPH Mr. Larry D. Stephens	C-PR&P	stephens@uscid.org
6	Prof.(Mrs.) L. Vincent	WG-TRUE	linden.vincent@users.tct.wau.nl
7	Mr. Bruno Molle	WG-CD	bruno.molle@cemagref.fr
8	Prof. N. Hatcho	WG-HIST	hatcho@nara.kindai.ac.jp
<b>B. Under the Strategy Theme "Basin"</b>			
9	VP Dr. Mark Svendsen	WG-CLIMATE	marksvendsen@aol.com
10	VP Dr. Illahi B. Shaikh	WG-CAFM	pakfloodcommission@hotmail.com
11	Dr. Park Sang Hyun	WG-SDTA	pshpark@karico.co.kr
12	Dr. Hu Heping	WG-ENV	huhp@tsinghua.edu.cn
13	VPH Dr. S. Nairizi	WG-IADWS	s.nairizi@toossab.com
<b>C. Under the Strategy Theme "Systems"</b>			
14	VPH Dr. Hussein El-Atfy	WG-WATS	elatfy@mwri.gov.eg
15	Dr. W.F. Vlotman	WG-DRG	vlotmanwf@bigpond.com
16	Dr. Maurits Ertsen	WG-MIS	M.W.Ertsen@TUDelft.NL
17	Prof. Tom Franks	WG-CBTE	tom.franks@let.internet.com
18	Dr. Thierry Rieu	WG-SOCIO	rieu@engref.fr

S.No.	Chairperson's Name	Workbody	E-mail Addresses (as on 31 March 2008)
<b>D. Under the Strategy Theme "On-Farm"</b>			
19	VP Mr. Felix B. Reinders	WG-ON-FARM	reindersf@arc.agric.za
20	Dr. Ragab Ragab	WG-CROP	rag@ceh.ac.uk
21	Dr. Ragab Ragab	WG-PQW	rag@ceh.ac.uk
<b>Committee/Working Group/Work Team under PCSPOA</b>			
22	VPH Prof. V. Dukhovny	ST-ARAL	dukh@icwc.aral.uz
23	VPH Engr. I.K. Musa	ST-LCB	majidadimusa@yahoo.com
24	VP Dr.-Ing. Eiko Lübbe	ERWG	eiko.lubbe@bmvel.bund.de
25	VP Dr. Karim Shiati	ASRWG	karim.shiati@yekom.com, k_shiati@yahoo.com
26	Dr. Luis Rendon Pimentel	AMRWG	luis.rendon@cna.gob.mx
27	Dr. Sizwe Mkhize	AFRWG	adgsrmu@nda.agric.za
28	VP Dr. Illahi B. Shaikh	C-CONGR	pakfloodcommission@hotmail.com
29	Mr. Ali Reza Salamat	WG-YPF	salamat_ir@yahoo.com
<b>Task Force(TF) under PCTA/PCSPOA</b>			
30	PH Prof. dr. Bart Schultz	TF-IBWT	bart.schultz@rws.nl
31	VPH Dr. Shigetaka Taniyama	TF-LDCsAS	s.taniyama@jarus.or.jp, taniyama@msc.biglobe.ne.jp
32	VPH Engr. I.K. Musa	TF-LDCsAF	majidadimusa@yahoo.com
33	Ir. Paul van Hofwegen	TF-FIN	p.vanhofwegen@ worldwatercouncil.org
34	VPH Dr. Alain Vidal	TF-POVERTY	alain.vidal@cemagref.fr
35	PH Aly M. Shady	TF-WWF5	ALY_SHADY@acdi-cida.gc.ca



# Contacts of ICID Member Committees

Sl. No.	Member Committee	Acronym	Name & Designation of the Contact Person	Contacts
1.	Australia	ANCID	Dr. Jolyon Burnett Chief Executive Officer	jolyon.burnett@irrigation.org.au
2.	Austria	AUNCID	Prof. Dr. Andreas Klik Secretary	Andreas.Klik@boku.ac.at
3.	Bangladesh	BANCID	Mr. Md. Salim Bhuiyan 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	tollefsonl@agr.gc.ca
6.	Chile	CHICID	Mr. Juan Antonia Arrese President	juan.arrese@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 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 Republic	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. Etafa Emama Ligdi Acting Secretary	etafa_emama@yahoo.com, etcid5744@yahoo.com
15.	Finland	FINCID	Prof. Pertti Vakkilainen Chairman	helena.aijo@salaojakeskus.fi; pertti.vakkilainen@water.hut.fi
16.	France	AFEID	Mr. Sami BOUARFA Secrétaire Général	afeid@cemagref.fr, sami.bouarfa@cemagref.fr
17.	Germany	GECID	Prof. Dr.-Ing. Joachim Quast Secretary	gecid@zalf.de
18.	Greece	GRCID	Dr. Karantounias Secretary	lhyd2kag@aua.gr, gkarant@aua.gr, george.karantounias@gmail.com
20.	Hungary	HUCID	Dr. Ferenc Pakár Secretary	pekarf@haki.hu
21.	India	INCID	Member-Secretary	msincid@yahoo.co.in

Sl. No.	Member Committee	Acronym	Name & Designation of the Contact Person	Contacts
22.	Indonesia	INACID	Ir. Moh Hasan, Dipl. HE Secretary General	inacid@pu.go.id, inacid_indonesia@yahoo.co.id, icid2010@gmail.com
23.	Iran	IRNCID	Mr. S.A. Assadollahi Secretary General	IRNCID@neda.net.ir, irncid@gmail.com, info@irncid.org
24.	Iraq	IRQCID	Mr. Ahmed M. Aziz Secretary	aziz947@yahoo.com
25.	Ireland	IRCID	Dr. Ollie Nichoslon Chairman	oliver.nicholson@opw.ie
26.	Israel	ISCID	Ms. Ronit Golovaty, Executive Agrotechnology	golovaty@export.gov.il
27.	Italy	ITAL-ICID	Dr. Maria Elisa Venezian Scarascia, General Secretary	info@italicid.it; me.scarascia@politicheagricole.it
28.	Japan	JNC-ICID	Mr. Taizou HONMA Secretary General	jncid@nm.maff.go.jp
29.	Kazakhstan	KAZCID	Mr. Askarov Khudaybergen General Secretary	consultants_astana@nursat.kz
30.	Korea	KCID-ICID	Dr. Jin-Hoon JO Secretary General	kcidkr@gmail.com, kcid@ekr.or.kr
31.	Kyrgyzstan	KYRCID	H.E. Bekbolotov Zhanishabek Chairman	bishkekiwrm@infotel.kg
32.	Lithuania	LTCID	Dr. Antanas Maziliauskas President	Maziliauskas@hidro.lzuu.lt
33.	Macedonia	MAKCID	Mr. prof. dr. sc. Ordan Cukaliev, grad. agr. eng. President	Ordan.Cukaliev@zf.ukim.edu.mk
34.	Malaysia	MANCID	VPIr. Mohd. Azhari bin Ghazalli, Vice Chairman	azhari@moa.gov.my
35.	Mali	AMID	Mr. Adama SANGARE Secretary General	a.sangare@betico.net; betico@betico.net
36.	Mexico	MXCID	Dr. Luis Rendón Pimentel President	cnm@mxcid.org, brobles@tlaloc. imta.mx, luis.rendon@cna.gob.mx
37.	Morocco	ANAFIDE	Mr. El Hassan EL MAHRAZ Secrétaire Général	anafid@menara.ma
38.	Myanmar	MNCID	H.E. U. Olm Myint Chairman	irrigation@mptmail.net.mn
39.	Nepal	NENCID	Member Secretary	cadi@lalitpur.wlink.com.np, doi@info.com.np
40.	Netherlands	NETHCID	Dr. A.L. Hakstege Secretary Treasurer	pol.hakstege@rws.nl
41.	Niger	ANID	Mr. Abdou Moulaye Ahmed Executive Secretary	abdoumoulaye@yahoo.fr
42.	Nigeria	NINCID	Engr. D.B. Madu Secretary General	nincid@yahoo.co.uk; info@nincid.com

Sl. No.	Member Committee	Acronym	Name & Designation of the Contact Person	Contacts
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
45.	Portugal	PNCID	Eng. José António des Sousa Canha, President	idrha@idrha.pt
46.	Romania	CNRID	Prof. Dr. Ing. Ion Nicolaescu President	centrala@anif.ro; nicola@ecoland.ro
47.	Russia	RUCID	Ms. Irena G. Bondarik Secretary General	ibond@online.ru, rusiptrid@mail.ru
48.	Saudi Arabia	SACID	Mr. Abdulkareem M. Al-Ghamdi D.G. of General Administration for Irrigation Affairs	irrigat_affair@agrwat.gov.sa, irrigate_affair@agrwat.gov.sa
49.	Serbia, Republic of	YUGCID	Mr. Petar Pantelic President	spantelic@vodevojvodine.co.yu
50.	Slovenia	SINCID	VPH Prof. dr. Brane Maticic President	SDNO-SINCID@guest.arnes.si; brane.maticic@guest.arnes.si
51.	South Africa	SANCID	Ms. I. van der Stoep Secretary	ivdstoep@wsmlshika.co.za
52.	Spain	CERYD	VPH Dr. J.A. Ortiz F.-Urrutia Secretario Ejecutivo	aeryd@serina.es or ja.ortiz@iies.es
53.	Sri Lanka	SLNICID	Chairman	id_dgi@mail2.lanka.net, dd_cns@irrigation.slt.lk
54.	Switzerland	CH-AGRAM	Prof. André Mermoud	andre.mermoud@epfl.ch, vuillerat@vtx.ch, ch-agram@bcing.ch
55.	Syria	SYCID	Eng. Nader Al-Bunni Chairman	irrigation.min@net.sy
56.	Thailand	THAICID	Mr. Thanunchai Thammaphirome Secretary General	thanunchait@mail.rid.go.th; thaicid@mail.rid.go.th; orathai98@excite.com
57.	Turkey	TUCID	Prof. Dr. Veysel EROGLU Chairman	eroglu@dsi.gov.tr
58.	Ukraine	UKCID	VP Prof. Peter Kovalenko President	kovalen@users.ukrsat.com, uncid_2007@inbox.ru
59.	United Kingdom (UK)	ICID.UK	Mr. Tim Fuller Secretary	icid@ice.org.uk, tim.fuller@ice.org.uk
60.	United States of America (USA)	USCID	VPH Mr. Larry D. Stephens Executive Vice President	stephens@uscid.org
61.	Uruguay	URUCID	Ing. Agr. Sergio de Agrela	SdeAgrela@irrisystems.com
62.	Uzbekistan	UzNCID	Mr. Latfulla Khaknazarovich Mukhamednazarov Secretary General	alexasan@mail.ru
63.	Zambia	ZACID	Mr. I.M. Akayombokwa	dfsilh@zamnet.zm



# List of ICID Publications

Prices with effect from 31 March 2008

Sl. No.	Publication Title	Year of Publication	Sale Price (US\$)		Postal (Airmail) Charges (US\$)	
			Listed	For NCs/ Members & Book Sellers	For Bangladesh Nepal and Pakistan	For other countries
(A) SPECIAL PUBLICATIONS						
1.	Micro Irrigation in Arid and Semi-Arid Regions – Guidelines for Planning and Design	2006	60	30	2	3
2.	Planning and Designing of Micro-Irrigation in Humid Regions	2005	20	10	2	3
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	2	3
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	2	3
11.	ICID Survey on Funding of Operation, Maintenance and Management of Irrigation Projects	2000	30	15	2	3
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	15	2	3

18.	L'Automatisation Des Reseaux D'Irrigation En Canaux (F)	1994	28	14	2	3
19.	Automation of Canal Irrigation Systems	1993	28	14	2	2
20.	Criteres de Choix des Systemes D'irrigation (F)	1992	30	15	2	3
21.	A Guide to Acquiring a Computer System for the Management of Water Resources	1992	33	17	2	3
22.	Guidelines on The Construction of Horizontal Subsurface Drainage Systems	1990	32	16	4	5
23.	Improvement in Irrigation Management with Special Reference to Developing Countries, State-of-the-Art No.4	1987	25	13	2	3
24.	Design Practices for Covered Drains in an Agricultural Land Drainage System - A Worldwide Survey	1987	50	25	6	8
25.	Automatisation des Systemes d'Irrigation de Surface a Travers Le Monde (F)	1987	10	5	2	3
26.	Automated Farm Surface Irrigation Systems Worldwide	1986	10	5	2	3
27.	Guide 106 de la ciid-Developpement du Beton Bitumineux et de la Membrane Bitumineuse (F)	1985	13	7	2	3
28.	ICID Guidelines 106 - Development of Bitumen Concrete and Membranes	1985	13	7	2	3
29.	Design Practices of Open Drainage Channels in an Agricultural Land Drainage System-A Worldwide Survey	1984	25	13	5	8
30.	State-of-the-Art Irrigation, Drainage and Flood Control No. 3	1984	25	13	5	7
31.	State-of-the-Art Irrigation, Drainage and Flood Control No. 2	1981	22	11	5	7
32.	State-of-the-Art Irrigation, Drainage and Flood Control No.1	1978	22	11	7	9
33.	Manual of Flood Control Methods and Practices	1983	20	10	5	7
34.	Irrigation and Drainage in the World (Vol.1-1981, Vol.2-1982, Vol.3-1983)	1981-83	75	38	19	23
<b>(B) TRANSACTIONS AND PROCEEDINGS</b>						
35.	Proceedings of the International Workshop on Water Saving Practices in Rice Paddy Cultivation, 14-15 September 2006, Malaysia <i>Only CD-ROM</i>	2006	20	10	3	5
			10	5	2	3

36.	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, Malaysia <i>Only CD-ROM</i>	2006	30	15	3	5
			20	10	2	3
37.	Proceedings of the International Workshop on Multiple Roles and Diversity of Irrigation Water, 14 September 2005, Beijing, China, 2006		20	10	3	5
38.	Transactions-Nineteenth Congress 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) <i>Only CD-ROMs</i>	2005	450	225	8	12
			250	125	2	3
39.	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
40.	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
41.	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						
42.	CD-ROM version of Task Force Reports – An ICID Input to WWF 3 and 4	2007	10	5	2	3
43.	Sector Vision : Water for Food and Rural Development - Country Position Papers	2000	10	5	5	8
44.	Checklist to Assist Preparation of Small-Scale Irrigation Projects in Sub-Saharan Africa	1998	10	5	3	5
45.	Watsave Scenario	1997	10	5	3	5



# Obituary

*It is with profound grief and sorrow; we place on record the following news.*

*VPH Mr. B.P. Bhatnagar (India) passed away on 7 April 2007. Mr. B.P. Bhatnagar was Vice President of ICID during the period 1988-1991. He was closely associated with Central Office during his days of active contribution. His valuable contributions as an outstanding professional in the field of Civil Engineering, Irrigation and Drainage are well known, especially in the Indian State of Rajasthan, and will long be remembered.*

*Prof. Janusz Rydzewski (UK) passed away in September 2007. Prof. Janusz was born in 1928 in Warsaw, Poland but moved to Zimbabwe in 1937. Following work on dam design, he studied for his PhD at Trinity Hall Cambridge and was then appointed as a lecturer in the Civil Engineering Department at the University of Southampton. He founded the irrigation Masters Programme at Southampton in 1964. Prof. Janusz was one of the first to recognize the importance of large-scale irrigation and thought that it was necessary to include integration of social, economic, agricultural and ecological perspectives into their development. Janusz was editor of the ICID Journal from 1995 to 2001. He brought the Journal upto the level that it became listed in the Science Citation Index.*

*VPH Tan Sri J.G. Daniel (Malaysia) passed away on 16 September 2007. Born in 1921, Tan Sri Daniel graduated in Civil Engineering from the London University. He spent his whole career in the Drainage and Irrigation Department in Malaysia. As VP of ICID for the term 1975-1978, Tan Sri J.G. Daniel's contribution and dedication to ICID are widely recognized in the ICID fraternity which will be long lasting.*

*Mr. Gordon P. Hawkins (USA) passed away in 30 November 2007. Mr. Hawkins joined USCID in 1968 and was living in Spokane, Washington at the time of his last breathing. He was 85.*

*Mr. Prabhu Dayal (ICID,CO) passed away on 18 January 2008. He was in-charge of all sanitation related matter in ICID Central Office since April 1974. He received the 'Best Worker Prize' for his excellent services in 1992.*

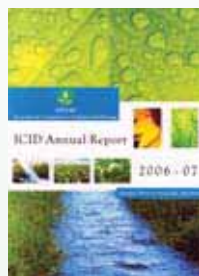
*ICID fraternity offers its heartfelt condolences to the bereaved family of VPH Mr. B.P. Bhatnagar, Prof. Janusz Rydzewski, VPH Tan Sri J.G. Daniel, Mr. Gordon P. Hawkins and Mr. Prabhu Dayal.*

*May the departed souls rest in eternal peace!*

# Recent ICID Publications

The main ICID publications which were brought out were:

## Periodicals (In House)



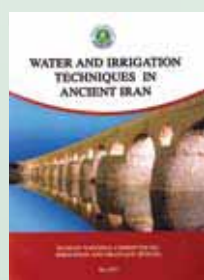
## Special ICID Publications (In House)



International Commission on Irrigation and Drainage (ICID), 'CD-ROM version of Task Force Reports – An ICID Input to WWF 3 and 4', August 2007, ICID, New Delhi.

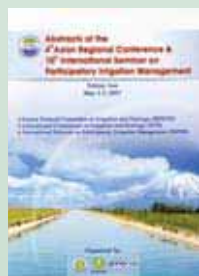
## Publications in Collaboration with National Committees

1. Ir. Mohd. Azhari bin Ghazalli (ed.), 'The History of Irrigation in Malaysia', Irrigation and Agriculture Drainage Division, Ministry of Agriculture and Agro-Based Industry, Malaysia, 2007, pp 81 + CD-ROM.

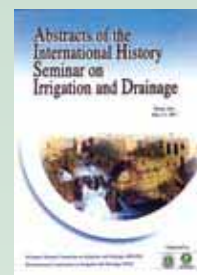


2. Reza Kuros, G., and Majid Labbaf Khaneiki, 'Water and Irrigation Techniques in Ancient Iran', Iranian National Committee on Irrigation and Drainage (IRNCID), Iran, 2007, pp 199.

3. Iranian National Committee on Irrigation and Drainage (IRNCID), 'Abstracts of the 4th Asian Regional Conference and 10th International Seminar on Participatory Irrigation Management, Tehran, Iran, 2-5 May 2007', IRNCID, 2007, pp 220 + CD-ROM.



4. Iranian National Committee on Irrigation and Drainage (IRNCID), 'Abstracts of the International History Seminar on Irrigation and Drainage, Tehran, Iran, 2-5 May 2007', IRNCID, pp 126.



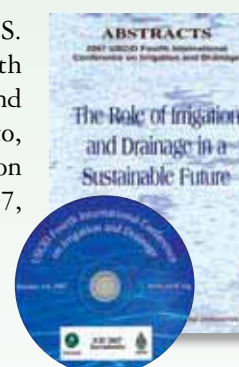
5. ITAL-ICID/ERWG, 'Abstracts volume of Proceedings of the 22nd European Regional Conference, Pavia, Italy, 2-6 September 2007', pp 107 + CD-ROM.

6. Christen, E., and Vincent, B. (eds.), 'Performance Assessment and Potential Indicators for Drainage Systems', Working Group on Drainage (WG-DRG)/ICID, CSIRO Land Water Science Report No. 62/07, September 2007, pp 94.



7. South African National Committee on Irrigation and Drainage (SANCID), 'Proceedings of the ICID 2nd African Regional Conference, Johannesburg, 6-9 November 2007 + CD-ROM.

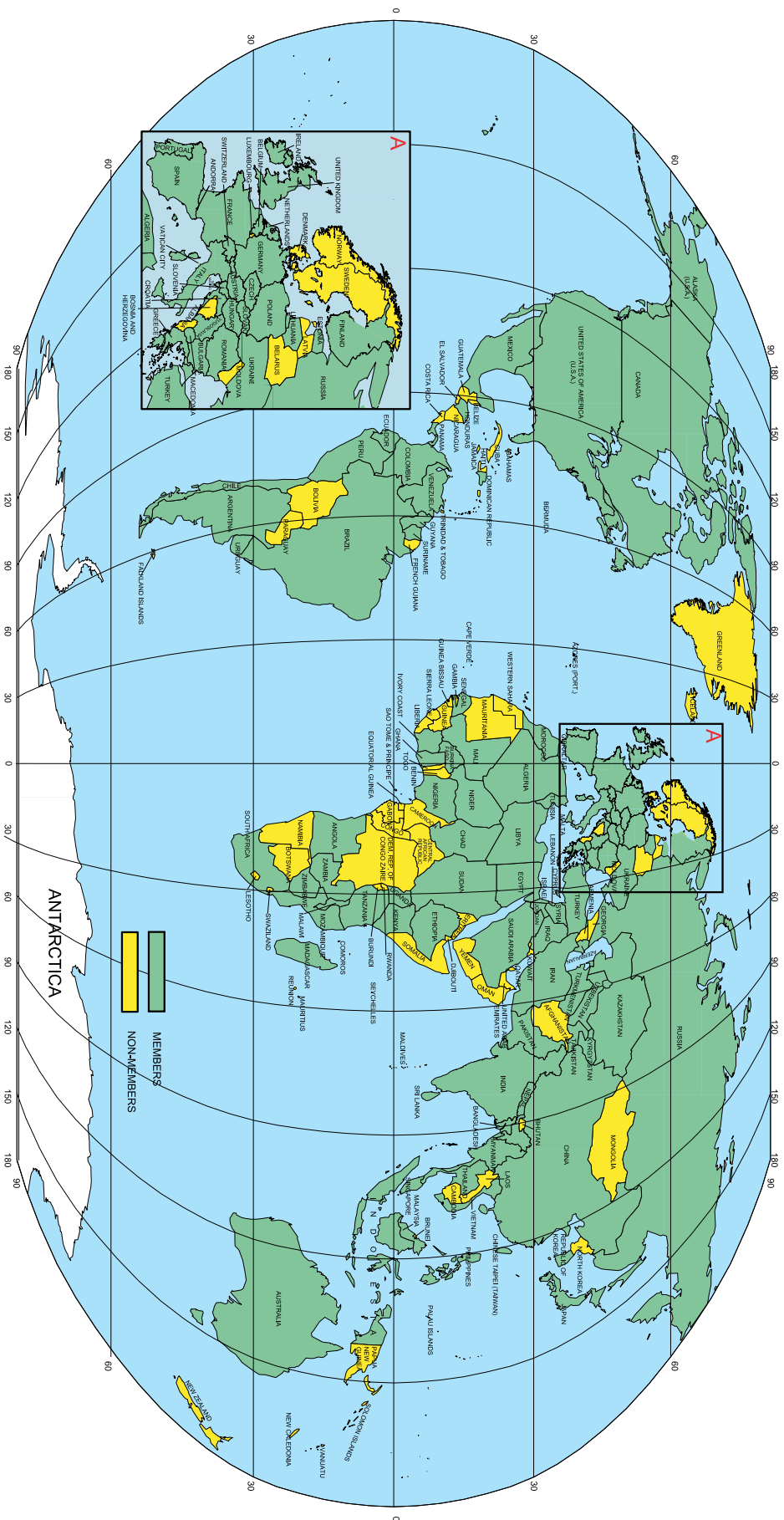
8. Clemmens, A.J., and Anderson, S.S. (eds.), 'Abstracts of the USCID Fourth International Conference on Irrigation and Drainage, 3-6 October 2007, Sacramento, California, USA', U.S. Committee on Irrigation and Drainage (USCID), 2007, pp 94 + CD-ROM.



For further details, contact:

International Commission on Irrigation and Drainage  
48, Nyaya Marg, Chanakyapuri, New Delhi - 110021, (India)  
Tel.: +91-11-2611 5679, +91-11-2611 6837, +91-11-2467 9532  
Fax: +91-11-26115962  
Email: [icid@icid.org](mailto:icid@icid.org)  
Website: <http://www.icid.org>; <http://www.ciid-ciid.org>

## ICID Membership Network as on 31 March 2008



(ALL COUNTRY BOUNDARIES ARE NON-POLITICAL)