

**LIST OF PARTICIPANTS AT THE
58TH INTERNATIONAL EXECUTIVE COUNCIL (IEC) MEETING
Sacramento, USA, 5 October 2007
First Session : 05 October 2007 : 09.00-12.00 hours
Second Session : 05 October 2007 : 14.00-19.00 hours**

(i) Office Bearers**President**

Mr. Peter S. Lee (UK)

Vice Presidents

Dr. YooMan Huh (Rep. of Korea)
Dr. Hussein Ehsan El-Atfy (Egypt)
Dr. G.G.Guluyk (Russia)
Dr. Mark Svendsen (USA)
Mr. Felix B. Reinders (South Africa)
Dr. Gao Zhanyi (China)
Dr. -Ing. Eiko Lübbe (Germany)
Dr. Karim Shiati (Iran)
Ir. Mohd. Azhari bin Ghazalli (Malaysia)

**Apology
Apology**

Secretary General

Er. M. Gopalakrishnan (ICID, India)

(ii) Chairpersons of Permanent Committees

Vice President Hon. Hector Malano (PCTA)
Vice President Hon. Chandra A. Madramootoo (PFC)
Vice President Hon. Alain. Vidal (PCSPOA)

Apology

(iii) Past Presidents

Mr. Aly M. Shady (Canada)
Prof. dr. Ir. Bart Schultz (The Netherlands)
Ir. Keizrul bin Abdullah (Malaysia)

(iv) National Committees

1.	Mr. Stephen Mills Mr. Jolyon Burnett	Australia	6.	VPH Dr. M.H. Amer Dr. Samia El-Guindy	Egypt
2.	Mr. Laurie Tollefson VPH Prof. Chandra A. Madramootoo	Canada	7.	Mr. Jaakko Sierla	Finland
3.	Dr. Li Daixin	China	8.	VPH Dr. Henri Tardieu VPH Dr. Alain Vidal	France
4.	Dr. Chuang, Kuang-Ming Dr. Yih-Chi Tan	Chinese Taipei	9.	VP Dr.-Ing. Eiko Lübbe Dr. Joachim Quast	Germany
5.	Dr. Josip Marusic Prof. dr. sc. Josip Petraš	Croatia	10.	Dr. R. Ragab Prof. Tom Franks	Great Britain

(vi)

11.	Dr. Laszlo G. Hayde	Hungary	22.	VPH Engr. I.K. Musa Engr. M.S. Adamu	Nigeria
12.	Mr. B.S. Ahuja Mr. S. Manoharan	India	23.	Engr. Dr. Illahi B. Shaikh Mr. Syed Raghīb Abbass Shah	Pakistan
13.	Dr. A Hafied A. Gany Mr. Bambang Hargono	Indonesia	24.	Dr. Mrs. Irina Bondarik	Russia
14.	VPH Dr. Saeed Nairizi Dr. Ezzatollah Farhadi	Iran	25.	Dr. Gerhard R. Backeberg Dr. Sizwe Mkhize	South Africa
15.	Dr. Graziano Ghinassi	Italy	26.	VPH Dr. José A. Ortiz Fdz.-Urrutia	Spain
16.	VPH Dr. Riota Nakamura	Japan	27.	Mr. Thanunchai Thammaphirome Mr. Chatchai Boonlue	Thailand
17.	Dr. Jong-Wan, Lim Mr. Bong-Hoon Lee	Korea, Rep. of	28.	Mr. Akif Özkaldi Mr. Hasan Basri Yüksel	Turkey
18.	Ir. Mohd. Abdul Nassir bin Bidin Ir. Zainor Rahim Ibrahim	Malaysia	29.	Prof. Peter Kovalenko Mr. Vasyl Stashuk Schervonoarmiiska	Ukraine
19.	Mr. Adama Sangare	Mali	30.	VPH Mr. Larry D. Stephens VPH Mr. Franklin Dimick	USA
20.	Dr. Luis Rendón Pimentel	Mexico			
21.	Dr. Pol Hakstege	The Netherlands			

(v) **International Organizations (Permanent Observers)**

ARID-ARID (Mr. Tchouadang Kadjong)

ICOLD (Mr. Arthur H. Walz, Jr.)

IFAD (Ms. Audrey Nepveu)

IPTRID/FAO (Dr. Carlos Garces-Restrepo)

IWMI (Mr. Marc Andreini)

SARIA (Mr. Andrew Sanewe)

(vi) **Non-Member Country (Observer)**

Uruguay (Ing. Agr. Sergio de Agrela)

**MINUTES OF THE FIFTY EIGHTH MEETING OF THE
INTERNATIONAL EXECUTIVE COUNCIL (IEC)
Sacramento, USA, 05 October 2007
First Session : 05 October 2007 : 09.00-12.00 hours
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Item 0 : Condolences

President Peter Lee welcomed the members to the 58th IEC meeting. He informed the House about the passing away of Vice President Hon. Ir. C. Storsbergen (The Netherlands), Vice President Hon. B.P. Bhatnagar (India) and Dr. Wayne O. Deason (USA) on 18 March 2007. He briefly recalled the close association and contribution of these members of ICID family to the Commission.

Secretary General Er. M. Gopalakrishnan proposed that the House observe a minute's silence as a mark of respect to the departed souls and adopt the following condolence resolution:

Condolence Resolution

"The 58th Meeting of the International Executive Council (IEC) deeply mourns the profound loss suffered by the Commission in the passing away of Vice President Hon. Ir. C. Storsbergen, Vice President Hon. Mr. B.P. Bhatnagar, and Dr. Wayne O. Deason. The Council resolves that the condolences of the Commission be conveyed to the bereaved families of late VPH Storsbergen, late VPH Bhatnagar and late Dr. Deason, as well as to the National Committees of The Netherlands, India and USA.."

(The members in the House stood up in silence for a minute. USA proposed the motion to adopt the resolution, seconded by The Netherlands, Germany, India and others. The resolution was accepted unanimously.)

Opening remarks by President

Item 1 : Opening remarks by President, ICID

President Peter Lee in his opening remarks mentioned that ICID was a premier international organization concerned with *Managing Water for Sustainable Agriculture*. In fact, it was the only organization of this type speaking specifically for Agriculture in the world for water, he said. The Commission organized conferences in all the four regions, viz. Asia, Europe, Americas and Africa and had several national level activities ongoing. ICID continued to invigorate its workbodies and develop purposeful relationships with other international organizations like WWC, UN Water and IWALC. The Commission also had a very responsive Central Office. However, he said that there was more work to do.

President Lee mentioned about the 5th World Water Forum to be held in March 2009 and the UN World Water Development Report to which ICID could greatly contribute. There was also a need to form consortia with other organizations concerned with Managing Water for Sustainable Agriculture, as well as Water for Food and Rural Development. He stressed the need for organizations to be productive as well as developmental.

President Lee mentioned about the "Pavia Initiative" which was mooted by him during the 22nd European Regional Conference held in Pavia, Italy from 2-6 September 2007. He saw the scope for connecting ICID with other organizations such as those dealing in global food-feed-fuel-fibre business as well as with investors and water technology companies. He felt that there were NGOs and civil societies such as World Business Council for Sustainable Development, World Wildlife Fund, etc. that ICID could associate with.

With these opening remarks, **President Peter Lee** moved on to item 2 of the agenda and invited Secretary General to provide information on the countries whose membership applications had been received for membership of ICID.

Matters for Decision

Item 2 : Application of countries for ICID membership

Secretary General Er. M. Gopalakrishnan mentioned that the application of Uruguay was received for membership of ICID. The country with a population of 3.3 million had a total renewable water resource of 139 cu. km. The agriculture and agri-industry in the country accounted for 23% of GDP. The total irrigated area in the country was about 197,000 ha. Presently there was no National Committee in Uruguay and the country is represented by an Officer of IRRI Systems S.A. on whose behalf the membership application has been submitted.

In terms of Article 3.1 of the ICID Constitution where no National Committee exists, officers of government or of an institution or institutions effectively representing interests within the scope of the objects of the Commission may participate in ICID activities and in such cases one officer shall be designated as Representative. In accordance with the Article 3.1, therefore Uruguay will be represented by a 'Representative'. If the application was approved by the Council, Uruguay's membership will become effective from the date it paid its first subscription.

Secretary General Er. M. Gopalakrishnan informed that Ing. Agr. Sergio de Agrela representing Uruguay was personally present to introduce his country's application for membership of ICID.

President Lee welcomed and invited Ing. Agr. Sergio de Agrela to give a brief presentation of the developments in his country, Uruguay.

Ing. Agr. Sergio de Agrela (Uruguay) requested the Council to consider Uruguay's application for membership of ICID by saying that Uruguay had 63 percent of the rice area (93% of irrigated area of the country) that was irrigated through pumping from surface waters. The country had a temperate climate characterized by warm summers and mild winters. Rainfall, averaging around 1,200 mm per annum, was reasonably well distributed throughout the year with significantly more rain in the spring and summer compared with autumn and winter in the west. The total cropland of the country was about 1.31 million ha of which 14% was irrigated area. About 15% of the total labour force comprised agricultural workers, and 6% of the GDP was generated from agricultural activities, he informed. The mean annual discharge of the Uruguay hydrographic region was 4150 cum/sec which corresponded to 2% of country's available water resources. Irrigation accounted for 88% of total water demand. Country's main priorities included using water in a disciplined manner for irrigation in agricultural practices and to build embankments to control the discharges. Ensuring that the soils were occupied in a disciplined manner in the areas vulnerable to flooding and setting up a real time warning system were also the priorities as floods were frequent in the region, principally affecting the communities bordering its main river and some of its tributaries.

President Lee thanked Ing. Agr. Sergio de Agrela for his presentation and asked the House to give a consent vote, or otherwise, on the application of Uruguay's membership of ICID.

(USA proposed and India, Korea, Japan, Pakistan, Lithuania seconded. There was no abstention or opposition. The motion accepting Uruguay's membership of ICID was passed unanimously.)

Applause

President Lee then took up item 3 on venues for future conferences.

Item 3 : Venues for Future Conferences

President Peter Lee mentioned that invitations were open for the 5th American Regional Conference, 23rd European Regional Conference, 4th African Regional Conference, 7th Asian Regional Conference and 62nd IEC and 21st Congress in 2011. He mentioned that the IEC slots up to 2010 had been decided by the Council during its previous meetings. President mentioned that there were two offers viz., from the National Committees of Iran and Russia to host the 62nd IEC and 21st Congress in the year 2011.

Secretary General Er. M. Gopalakrishnan submitted that the Korean National Committee of ICID (KCID) had also sent a preliminary offer to hold this Congress in Korea during that year, if possible.

Vice President YooMan Huh (Korea) intervened to mention that they indeed offered to host the Congress in 2011. However, now they would like to consider hosting the 22nd Congress in 2014 only and will submit a formal application to the Central Office in this regard.

President Lee mentioned that there were then only two National Committees offering to host the 21st Congress together with the 62nd IEC meeting in 2011. He invited the Iranian NC representative to make a presentation about IRNCID's offer.

VPH Dr. Saeed Nairizi (Iran) introduced the proposal by IRNCID to host the 62nd IEC meeting and 21st Congress in 2011 in Iran and said that the country had become a member of ICID in 1955. The country had the honour of having four Vice Presidents of ICID, viz. Mr. A. Kahkachan from 1972-1975 and Prof. Javad Farhoudi from 1996-1999, besides he himself (Dr. Saeed Nairizi) from 2001-2004, and currently Dr. Karim Shiati (2006-2009). He said that the IRNCID was very active and had organized several technical events in the country as well as at ICID level. The National Committee hosted the 28th IEC meeting and Tehran Special Session in Tehran in the year 1977. Recently, the Iranian National Committee had the proud privilege of hosting the 4th Asian Regional Conference in May 2007 in Tehran. He said Iran was well known for its irrigation, drainage and flood control works and the system of Qanats was very famous for its unique design and function. It had lots of impressive hydraulic works, several dams and irrigation and drainage projects which the delegates would like to visit. Besides, Iran had excellent conference and accommodation facilities for the delegates. He exhorted the Council to vote in favour of Iran for hosting the 21st Congress in 2011. IRNCID will be too glad to provide a 50% share of its Congress registrations to ICID.

Applause

President Lee then invited the representative of the Russian National Committee to present their offer.

Dr. Irina Bondarik (Russia) introduced her proposal for hosting the 62nd IEC and 21st Congress in 2011 by the Russian National Committee of ICID. She said that ever since Russia became a member of ICID in the year 1955, it had been actively participating in various activities and workbodies of ICID. The Russian National Committee had the proud privilege of association with ICID in various capacities as President, Vice Presidents and members of the workbodies. Dr. E.E. Alekseevsky was the President of ICID from 1972-75 and Mr. A.N. Askochensky, Mr. K.K. Shubladze and Mr. B.G. Shtepa were the past Vice Presidents. Dr. Georgi Georgievich Guluyk was currently one of the Vice Presidents of ICID (from 2004-07). The Russian National Committee was actively represented by many of its members including herself (Dr. Irene Bondarik) in various workbodies of ICID. Dr. G.G. Guluyk was also currently the Chairman of Russian National Committee of ICID. RuCID had the privilege of hosting the 12th IEC meeting in Moscow in 1961, 26th IEC Meeting and 9th Congress in Moscow in 1975 and 1st Afro-Asian Regional Conference at Tashkent in 1976. Recently, RuCID also hosted the 55th IEC Meeting in Moscow in 2004. Russia had a very impressive infrastructure of irrigation and drainage systems in the country and had very good facilities for holding the Congress and for the accommodation of the delegates. She appealed to the Council members to favour hosting of the 2011 Congress in Russia.

Applause

President Lee said that a share of Congress registrations was to be paid to ICID and wished to know if the Russian National Committee will be prepared to contribute 50% of the registration fee as the share to ICID.

Dr. Bondarik confirmed that the Russian NC will be too pleased to provide 50% share of the registration fee to ICID, if the Council approved Russia's offer to host the 21st Congress.

President Lee mentioned that though there were offers from the two deserving candidates, it will be appropriate if a voting was done to decide the venue for the 62nd IEC and 21st Congress in 2011.

(There was a suggestion from the House that secret voting to decide the venue be done. President Lee agreed and requested the Central Office representative to organize a secret voting, which was done.)

President Lee informed that on the basis of the secret voting, the National Committee of Iran won the honour to host the 21st Congress and 62nd IEC in the year 2011.

Applause

Dr. Kovalenko (Ukraine) mentioned that the Ukrainian National Committee (UKCID) was interested in hosting the 23rd European Regional Conference in the year 2009 and a letter had been given to the Secretary General to this effect.

President Lee welcomed the offer and mentioned that the 3rd African Regional Conference will be held in Nigeria in 2009 and the 5th Asian Regional Conference in India during the same year. Thus, if the 23rd European Regional Conference was also held in the same year, the dates be finalized in such a manner that these did not clash with one another and more delegates were able to attend all the Conferences. He then asked for a motion to approve Ukraine's offer to host the 23rd European Regional Conference in 2009.

(Australia proposed and Iran, India, Germany and others seconded. There were no votes against the motion nor were there any abstentions.)

Applause....

President Lee then took up the next item on publication of ICID Journal beyond 2008.

Item 4 : Publication of ICID Journal beyond 2008

President Lee mentioned that ICID had signed a contract with M/s. John Wiley & Sons, UK in 2000 to publish the ICID Journal on Irrigation and Drainage for a period of 5 years, which was extended for another three years upto 2008. Now the extended contract agreement will also be concluded by the end of 2008. He suggested that the House therefore discuss further steps. He then invited President Hon. Bart Schultz, Chairman, ICID Journal's Editorial Board to make a presentation on the various accomplishments and present status with regard to the flow of papers for the Journal, publication strategies and other aspects as deemed appropriate.

President Hon. Bart Schultz (The Netherlands) made a PowerPoint presentation to show the achievements of the ICID Journal published by M/s. John Wiley & Sons Ltd. for ICID.

Prof. Bart Schultz displayed an overview of papers submitted, approved, not published, and in the process, from the year 2000 up to date and said that there was an overwhelming response from the authors to contribute to the Journal with the result that there were increasing number of papers available for publication now. He said that all the five issues of the Journal for the year 2007 were ready and uploaded on Wiley website, as well as mailed to ICID National Committees. He informed that a Special Issue of ICID Journal on "Irrigation and Poverty Alleviation: Pro-poor Intervention Strategies in Irrigated Agriculture" was published as Issue No.56.2/3, with contributions from IWMI and INPIM. He informed that a special issue will be published in December 2007 on "Drainage: An Essential Element of Integrated Water Management" as a contribution from the Working Group on Drainage (WG-DRG). He mentioned that 24 papers were ready with the publishers to be published in 2008. He informed that the Science Citation Index (SCI) was now 0.598 compared to 0.379 the previous year.

Prof. Schultz informed the House that during the year 2008, 5 issues of 128 pages each of the Journal were proposed to be brought out. A special issue on "Capacity Building" will also be published. The National Committees will continue to get 10 complimentary copies each of the Journal either through 'online' or as 'online + print', in addition to the 2 free 'online only' access to the Young Professionals which was proposed to be increased to 4. He said that the subscription amount for individual ICID members for the year 2008 was proposed to be US\$ 33 for online only version and US\$39 for online + print version.

PH Schultz informed the House that a proposal was received from M/s. Wiley-Blackwell, UK for continuing the publication of the Journal beyond 2008 for the next five years. During this period, as per the new proposal, 5-6 issues of 128 pages each were proposed to be brought out. He said that ICID would now be required to purchase only 800 copies at a special rate, of which 600 copies will be 'online + print' and 200 copies 'online only', to be guaranteed to the publishers. The National Committees were entitled to 10 free copies each either 'online' or 'online + print', while the workbody members and Office Bearers would get free 'online' access. He further informed that the publishers had agreed to provide 100 papers per year for TDS as promotional material for the Central Office. He thus expected reduction in cost to ICID. He said that the proposed ICID member price for 2009 was US\$35 for 'online only' and US\$41 for 'online + print'.

Continuing, **PH Schultz** informed that new Joint Editors of the Journal will join by Lahore Congress in 2008 when some editorial changes would take place. Dr. Hector Malano will be taking over as Editor. Prof. Dr. Nick van de Giesen, Delft University of Technology, The Netherlands will take over as Joint Editor, while Ir. Paul van Hofwegen

will step down. The Chairman (PH Bart Schultz) himself proposed to step down at Abuja (Nigeria) in 2009. VPH Henri Tardieu (France) will succeed Mr. Bernard Prefol for checking the French resume' of the articles, he said.

About the Best Paper Award 2007 on the basis of the papers submitted to the Journal during the year 2006, **PH Schultz** mentioned that the criteria for the selection of the best paper were that it should be innovative and scientifically sound and should contribute to a better understanding of the development and management of irrigation, drainage and flood control systems. He informed the House that the selected best paper for 2006 which was published in Vol.55.1, was well written and was titled "Reform of user charges, market pricing and management of water: Problem or opportunity for irrigated agriculture" and declared its author Dr. G.R. Backeberg (South Africa) as the winner of the best paper award this year.

Applause

With these remarks, PH Bart Schultz concluded his presentation.

PH Schultz then invited Dr. G.R. Backeberg, winner of the ICID Journal Best Paper Award 2007, to come forward to receive the prize at the hands of President, ICID. He said that the winner had the option to have either cash of £250 or books worth £450 from Wiley publications, besides a plaque awarded by ICID.

(Dr. G.R. Backeberg came forward to receive the plaque and the prize from President, ICID.)

President Lee thanked PH Schultz for his excellent presentation and informed that the MB in its meeting had also considered membership subscription rates for the Journal for the year 2008 and the matter concerning publication of the Journal beyond 2008. He said that the MB approved the proposed rates of US\$33 for 'online only' version and US\$39 for 'online + print' version for the ICID members. It also gave its consent for continuing to publish the ICID Journal through M/s. Wiley-Blackwell, UK for another 5 years beyond 2008.

President Lee asked for a motion from the House for approving the proposed rates, viz., US\$33 for 'online only' version and US\$39 for 'online + print' version for 2008 for the ICID members and for publication of ICID Journal beyond 2008 for another term of five years through M/s. Wiley-Blackwell, UK.

(Australia proposed, seconded by The Netherlands, UK, Germany and others. The motion was accepted unanimously.)

President Lee then moved on to the next item 5 'Appointment of new Chairman of PCSPOA'.

Item 5 : Appointment of New Chairman of PCSPOA

President Peter Lee mentioned that VPH Dr. Alain Vidal (France) who was currently Chairman of the Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA) will retire at the conclusion of 58th IEC meeting and appurtenant study tours at Sacramento, USA, and therefore in terms of By-law 3.2.1.2, in consultation with the Secretary General, he had nominated Vice President Dr. Gao Zhanyi (China) to be the next Chairman of the Committee. He will remain as Chairman from 2007-09, and his term will conclude at the end of 60th IEC and appurtenant study tour in 2009. He said that this was discussed in the MB and Office Bearers Committee (OBC) meetings as well. He asked for the concurrence of the House for this appointment.

(The House concurred with the proposal with applause....)

President Lee then took up Item 6 on WWF-5 to be held in Istanbul, Turkey in March 2009 and invited PH Aly Shady to make a presentation.

Item 6 : ICID inputs to WWF-5, Istanbul, Turkey, 2009

President Hon. Aly Shady (Canada) presented the highlights of 5th World Water Forum (WWF-5), its themes, thematic framework, processes, components and the timeframe. He mentioned that the venue, Turkey, had a rich history in water resources, culture and technology and was a region where the availability of water resources was essential for maintaining peace and prosperity. He said that the theme of the Forum “Bridging Divides for Water” had a vast connotation that included a good set of examples in bridging divides between water users; politicians and practitioners; local, national, regional and global regions; between rich and poor; present and future; private and public; and inside and outside water sector. He said that the year 2008-09 will be the International Year of Sanitation and mid-term evaluation of Millennium Development Goals (MDGs) will also be done. The results of these will be incorporated in the WWF-5 preparatory process and together with the results and emerging issues from the WWF-5, the future actions will be guided. He said that three Committees had been formed within the Forum, viz., Programme Committee, Political Process Committee and Communication Committee which will report to the International Steering Committee. The thematic framework envisaged about 100 sessions, 25-30 topics and 6 themes which would enable participation of a large diversity of stakeholders. The 6 themes were as follows:

Providing Water for Sustainable Development:

- Global Changes and Risk Management
- Advancing Human Development and the MDGs
- Managing and protecting water resources and their supply systems to meet human and environmental needs

Enabling Mechanisms for Development

- Governance and management
- Finance
- Education, Knowledge and Capacity Building

PH Aly Shady said that the Forum political process will facilitate the dialogue between the political groups comprising governments, parliamentarians and local authorities and will help to bridge the thematic and political process and involve other stakeholders. The aim will also be to strengthen the good governance of water resources and increase the attention given to water issues. The other points of the Forum will include the regional processes, panels, fair and expo, social and cultural events, water prices and other side events.

Drawing on the timeline, **PH Aly Shady** said that the first thematic coordinator's meeting will be held in November 2007, followed by second thematic coordinator's meeting in January 2008. The second announcement will be made in March 2008 when the registrations will open. The final session's programme will be decided by August 2008. These will be followed by second political preparatory meeting in September 2008, and third political preparatory meeting and third announcement in November 2008 so as to organize the WWF-5 in March 2009.

PH Aly Shady exhorted the ICID National Committees and workbodies to devise their inputs and contributions within the scope of various themes and sessions.

President Lee thanked PH Aly Shady for his presentation and then moved on to the next item 'ICID@60, 2009' and invited the Secretary General to introduce this item.

Item 7 : ICID@60, 2009

Secretary General Er. M. Gopalakrishnan mentioned that there was a proposal to celebrate the 60th year of ICID's establishment in 2009. ICID was established on 24 June 1950 and thus the year 2009 will be a landmark in the history of ICID. He recalled that the Commission had earlier celebrated its Silver Jubilee in 1975 in Moscow, Russia during the 9th ICID Congress where a Commemorative Volume containing the messages and greetings from Office-Bearers, other dignitaries and eminent scientists from 35 countries, and a comprehensive report on the activities of ICID during the period of 1950-1975, was released. During that occasion, seven National Committees had issued special postal stamps and the then USSR NC minted a special commemorative medal. He said that the Commission also celebrated the 40th anniversary of its existence in 1990 at Rio de Janeiro, Brazil during the 14th Congress when a commemorative volume “The role of ICID in promoting improvements to irrigation, drainage and flood control practices especially in developing countries” containing papers from several experts from all the

regions of the world was released. Additionally another publication "Salutations/Greetings" was also brought out by the Central Office containing the messages and greetings from Office Bearers and other dignitaries. Letterheads and stickers were printed by the National Committees of Brazil and China to celebrate the occasion.

Continuing, **Secretary General Gopalakrishnan** mentioned that the Golden Jubilee Year of ICID was celebrated in the year 2000 at Cape Town, South Africa during the 51st IEC meeting where a commemorative CD titled "ICID@50" was released highlighting Commission's achievements, all important milestones, and historical perspectives through various years. That was an informative CD providing briefs on all the ICID Presidents, Vice Presidents and Secretaries General, etc. The Central Office also designed a Golden Jubilee Year Logo that was used on publications brought out during that period, including letterheads, envelopes and other stationery used by the Central Office. The logo was also used by all National Committees of ICID during the Golden Jubilee Year. A special postal cover was also released to commemorate the occasion. Several events including workshops/seminars/special session/symposia etc. were organized by National Committees and bi-monthly dialogues were held at ICID Central Office on various topics.

Er. M. Gopalakrishnan therefore said that the proposal here was for consideration whether ICID should commemorate its 60th year of existence with the release of another CD titled "ICID@60" giving updated information and statistics/data, country profiles on irrigation and drainage and other relevant material with regard to ICID member countries as well its fraternity members. The 60th year will also coincide with ICID's 60th IEC meeting in Abuja, Nigeria in 2009.

President Lee thanked the Secretary General for elaborating on the proposal and mentioned that the Central Office was already passing through a financially tight situation. He felt that the celebrations would necessitate some more expenditure to be incurred. He asked for the views of the members in the House.

Vice President Hon. Saeed Nairizi (Iran) said that it was a practice in ICID to celebrate some landmark years. It will be appropriate that on the similar lines, the 60th year was also celebrated by ICID.

Prof. Tom Franks (UK), however, supported President's views and said that it will be better if instead of the 60th year, the 75th year of ICID was celebrated.

President Lee agreed and opined that it will be better if the Platinum Jubilee of the Commission was celebrated in its 75th year of existence and a chart of events to be organized during that time be prepared, in advance. The proposal to celebrate the 60th year was thus dropped.

President Lee then invited the Secretary General to present his report.

Reports for Approval

Item 8 : Secretary General's Report

Secretary General Er. M. Gopalakrishnan addressed the President, Vice Presidents, Office Bearers Honoraire, Members of the Council, Representatives of the International Organizations, Special Invitees and Office Bearers of the USCID and said that his formal report for the year 2006-07 was given in the printed Agenda which was before them. He would, therefore, restrict his report to some important aspects and a few updates through a PowerPoint presentation.

Secretary General Gopalakrishnan recalled the two significant events that were held during the year since the last IEC meeting in Kuala Lumpur. These were the 4th Asian Regional Conference in Tehran in May 2007 and the 22nd European Regional Conference in Pavia, Italy in September 2007. He informed that the agenda for the 58th IEC and pre-Council meetings of the workbodies had been posted on ICID website on 27 July 2007 and the printed agenda was subsequently dispatched in time. Similarly the Annual Report for the year 2006-07 was timely posted on ICID website and dispatched to the National Committees. The quarterly Newsletter and monthly News Update were printed on time and uploaded on ICID website and the printed copies were dispatched to the National Committees as per the time frame. He informed the House that advertisements for the Newsletters were now being received and were accommodated in the said periodical to a limited extent.

Er. Gopalakrishnan informed that he had the opportunity to attend the UN Water Meeting, Management Committee meeting of IPTRID and the Stockholm Water Week in Stockholm in August 2007 where he was also

able to attend the IWALC, GWP and WWC meetings. He participated in the 22nd European Regional Conference in Pavia, Italy where an interim meeting of the European Regional Working Group (ERWG) was held in September 2007. He said that the visits undertaken by him during the year were quite useful for ICID-related activities, covering regional events organized by the National Committees etc. and some of which were taken up when specific invitations were received with financial support. Such invitations, he said, were utilized to enhance ICID's visibility and also to explore mutual cooperation. During these meetings, it was also possible to have interim discussions with President and other Office Bearers of ICID and to hold IWALC meetings wherever possible. He said that the Central Office had the opportunity to welcome visitors as listed in the printed agenda. In addition, H.E. Mr. Shiferew Jasso, a former Minister of Water Resources of Ethiopia leading a team of Ethiopian experts, and Prof. Torkil Jonch Clauson from Denmark, a recipient of King Hassan II award were the other dignitaries who visited the Central Office. He informed about the Text Delivery Services (TDS) run by the Central Office through ICID website and mentioned that 173100 hits had been made on the website since the beginning of this year.

Secretary General briefed on the ICID Journal on Irrigation and Drainage which was published at a frequency of 5 issues per annum. He thanked the Editors for bringing out all the 5 issues and the Special Issue on Drainage as per schedule and said that more on the Journal was already presented by PH Schultz. He informed that there were two other publications intended to be published, but a revision in their target dates had to be made to ensure their required quality. He said that 14 ICID publications on Country Policy Support Programme (CPSP) Phase I had been brought out. The Program was supported by the Government of The Netherlands for which a completion report had been submitted to the Government of The Netherlands and accepted by them.

Er. M. Gopalakrishnan informed that USCID had the honour to sponsor two of the three WatSave Awards during this year. He mentioned that during a particular year, normally the host National Committee of ICID took the honour of sponsoring the three awards. He thanked the gesture of all the National Committees concerned who had come forward so far to sponsor these awards. He said that ICID would welcome any National Committee who would offer to sponsor these prestigious awards.

Secretary General Gopalakrishnan then moved on to discuss briefly ICID's financial position and mentioned that although a full PFC presentation will be provided by the PFC Chair, he would like to make a few observations on the financial health. He informed that subscription and rent from the premises let out in the first floor of the Central Office formed the core ICID revenue. The receipts and expenditure during the year were of the order of Rs.18.87 M and Rs.17.06 M respectively. However, he cautioned that the deferred payments yet to be made to Land and Development Office (L&DO) of the Government of India would alter the picture and reflect a deficit balance sheet for the year under reference. This payment remained to be made since the department had not sent any communication in this regard. He further drew the attention of the House to the depreciating value of Dollar vis-à-vis Rupee stating that the core revenue for the ICID had decreased by as much as about 20% in equivalent Rupees as compared to 2002 situation, i.e. just 4-5 years back, due to the depreciating deviations in the Dollar-Rupee exchange rates and the appreciation of Rupee value. He also mentioned that ICID had last revised the subscription of the member National Committees way back in 1999. He fervently appealed to the IEC to consider and approve the recommendations emerging from the Internal Review exercise conducted by the Chandra Committee on Finances of ICID, when presented.

Er. M. Gopalakrishnan mentioned about the strict control on the expenditure that he was exercising at the Central Office. He stated that as many as six vacant positions in the Central Office had not been filled and the work was being managed by redistribution among the staff. The printed agenda contained other measures taken to reduce the expenditure in the Central Office, he said.

While discussing the cooperation with global organizations dealing with water, **Secretary General Gopalakrishnan** mentioned that the Stockholm meetings provided a platform to enrich our interaction with World Water Council (WWC) and helped to align our thoughts for ICID's contributions to WWF-5. He mentioned that on the sidelines of the WWF-5 meetings, he was able to interact with IWALC members especially GWP, who showed their interest to cooperate with ICID on the theme "IWRM - From Concept to Action" during the Lahore Congress in 2008. There was a possibility to cooperate with the UNESCO-IHE also on their document "World Water Assessment Report".

Er. M. Gopalakrishnan then made an announcement about a transition that would take place in March 2008 and informed that Mr. K.N. Sharma, Secretary, ICID would retire at the end of March 2008 after a glorious and extraordinary service of nearly 19 years in ICID. He recalled the rich and exemplary contributions made by Mr. Sharma and said that for more than a decade, Mr. Sharma was mainly responsible for providing support for IEC and MB related matters, in addition to his several other responsibilities. He said that most of the members would have had a chance to sense his admirable skills to handle the difficult tasks with a smile, even under pressure.

Applause

Secretary General Er. M. Gopalakrishnan continued and said that he felt short of words to express his sincere thanks to Mr. Sharma on behalf of everyone in the ICID family. He said that while his exceptional services to ICID will be acknowledged with presentation of a plaque, he will like to invite the members to join him again to show deep appreciation that all of them had for Mr. Sharma.

Long applause

Engr. Dr. Illahi B. Shaikh (Pakistan) intervened to say that Mr. Sharma's tenure as Secretary should be extended by at least two years in the light of the forthcoming important events. He asked the Council if it could be decided here. He was supported by Malaysia, UK and India, among others.

Secretary General Gopalakrishnan mentioned that this was not the concerned forum for deciding issues like this, but assured that the request will be put up for consideration by the Staff Committee or the MB, as appropriate.

Er. M. Gopalakrishnan then thanked President Lee for his continued support to the Central Office and also for his quick and frank opinion on several issues. He also thanked the Chairs of Permanent Committees, viz. PCTA, PCSPOA and PFC and all workbody Chairs for their valuable contributions during the year. He also thanked Chairs of all National Committees for their continued support. The Secretary General also thanked the National Committees of Italy, Iran and Russia for facilitating his visits to their countries to participate and contribute to the regional events held in these countries. In the end, he expressed his thanks to the diligent Central Office staff for their continued devotion to work.

Applause

President Lee thanked the Secretary General for his report and asked for a motion to adopt the report.

(Korea proposed, seconded by Pakistan, Japan, Hungary and others. The report was approved.)

Applause...

President Peter Lee informed the House of the new Russian webpage on the ICID website, in addition to the French and Spanish versions, and invited Dr. Irina Bondarik to say a few words about it.

Dr. Irina Bondarik (Russia) made a brief presentation on the Russian version of the ICID website which contained all information on ICID as available in the main English website. All the icons of the main site had been translated into Russian. She also mentioned about the linkage to ICID website databases and how it would benefit the Russian speaking people to know about the irrigation and drainage development aspects from the ICID website. She said that one could switch from the Russian website pages to the English web pages also with ease.

Secretary General Er. Gopalakrishnan thanked the Russian National Committee and Dr. Bondarik for developing a Russian webpage in the ICID website and for making the linkages possible. He hoped that the website will be very useful for the Russian speaking NCs and professionals.

Dr. Irina Bondarik supplemented by mentioning that the Russian National Committee was collecting information for bringing out a publication on History of Irrigation and Drainage in the World for which she had sought the help of the NCs. She informed that only the French NC had responded so far and thanked them for the same. She said that they had earlier planned to publish the document by 20th Congress, however, it could be brought out during the European Conference in Ukraine in 2009 or some time later.

President Lee thanked Dr. Irina Bondarik for her presentation and for representing the Russian NC. He informed that VP Dr. Gulyuk had sent his apologies for not being present at the IEC because he had to accompany the new Prime Minister of Russian Federation.

President Lee then moved on to next item and invited Dr. Alain Vidal, Chairman, PCSPOA to present the MB report.

Item 9 : Report of the Management Board (MB)

VPH Dr. Alain Vidal (France) thanked the President and presented the MB report in French with the help of a PowerPoint presentation in English. He mentioned that there were some items for information of the Council and others that required approval by the Council. 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. He informed that Mr. Paul van Hofwegen was nominated as the Convenor for the proposed Task Force on 'Financing Water for Agriculture' (TF-FIN) and the workbody had its first meeting in Sacramento where its mandate, workplan and the membership were decided. He informed further that advertisements were being received from the private and public sector enterprises for the ICID Newsletter as well as website. MB thanked the advertisers and concerned ICID members for their efforts in this direction, he reported.

VPH Vidal further informed the Council as follows:

- ICID will be a member of the Hydro-Power Task Force constituted by ICOLD.
- Prof. Dr. (Mrs.) Shaden Abdel-Gawad (Egypt) was nominated as a member (Regional, Egypt) of the Steering Committee of GWP.
- Executive Board of International Fund for Agricultural Development (IFAD) had granted the ICID the status of a Permanent Observer to their Governing Council.
- The proposal to provide two additional free copies of the ICID Journal to the Young Professionals of the member National Committees was approved beyond the present two. Thus, in addition to the free 10 copies being given to the National Committees, 4 more copies will be provided to their Young Professionals, free of charge, during the current year.
- The new situation regarding the let out portion of the ICID building was noted with concern and the Secretary General was advised to take appropriate actions as per the evolving policies of the Government of India, in consultation with a legal counsel.

Dr. Alain Vidal then mentioned about the items that required Council's approval. These were related to the Opening of a Euro Account, Expansion of Steering Committee Membership, and the Re-constitution of MT-JOUR. He mentioned that the MB recommended the Opening of a Euro Account in New Delhi in view of the presently falling Dollar-Rupee exchange rates and to facilitate European countries, in particular, to pay in Euro.

President Lee requested Secretary General to read out the resolution for Council's consideration and approval for opening a Euro Account in New Delhi.

Secretary General Er. Gopalakrishnan read out the following resolution:

RESOLUTION

This 58th International Executive Council (hereinafter called "Council") of the International Commission on Irrigation and Drainage at their meeting held in Sacramento, USA, this day, the 5 October 2007 hereby resolves-

- (1) *That a foreign currency account in Euro be opened with Canara Bank, Diplomatic Enclave Branch, Chanakyapuri, New Delhi-110021, India in the name of "International Commission on Irrigation and Drainage" (hereinafter called the 'Commission')*
 - (2) *That the Secretary General and an Officer of the Central Office to be designated by Secretary General will operate the said account jointly/singly on behalf of the Commission.*
 - (3) *That the operation of the Canara Bank account will be subject to conditions laid down by the Reserve Bank of India.*
 - (4) *That a copy of the resolution signed by the President of the Commission be submitted to the Canara Bank where the account is to be opened, together with*
-

necessary specimen signatures (s) of the officials operating the account, to remain in force until a notice in writing canceling or modifying the same is given to the said bank.

*M. Gopalakrishnan
Secretary General*

*Peter Lee
President*

President Lee then asked for a vote of the Council for opening the Euro Account.

(France proposed, seconded by Germany, Iran, Egypt, etc. There were no objections and no abstentions. The resolution was accepted unanimously by the Council).

Continuing, **Dr. Vidal** informed the Council that the MB approved the expansion of the Steering Committee for External Review by additionally including one past President (PH John Hennessy, UK), three Internal Review Committee Conveners (VPH Alain Vidal, Chair, PCSPOA; VPH Hector Malano, Chair, PCTA; and VPH Chandra Madramootoo, Chair, PFC) and one representative from least subscription contributing nations (VPH Musa, Nigeria).

VPH Vidal mentioned that MT-JOUR was reconstituted with PH Bart Schultz, Chairman, EB-JOUR as Chairman & Convenor; Ir. Paul van Hofwegen, Editor, ICID Journal; VPH Chandra Madramootoo, Chair, PFC; and VPH L.D. Stephens, Chair, C-PR&P as members, while Secretary General Er. M. Gopalakrishnan will be the Member-Secretary. He said that the MT-JOUR will be a special committee, and will remain as an 'ad hoc' sub-committee of MB to assist it in the administrative matters of managing the Journal, including related financial aspects, such as pricing, royalty, etc.

With these remarks, **VPH Vidal** concluded his presentation of the MB report.

President Lee thanked VPH Vidal for his presentation and asked the Council for a proposal to adopt the report.

(USA proposed and India, UK, The Netherlands and others supported. The MB report was accepted by the Council.)

Applause

Proceeding further, **President Peter Lee** moved on the subject of collaboration ICID with other international organizations. He mentioned that ICID had been extending invitation to a few of such organizations with whom there was good association of ICID. Lake Chad Basin Commission and IFAD were added to this list. He mentioned that he had the pleasure of attending ICOLD meetings and their last Congress in Barcelona. To our invitation, ICOLD also responded positively and their Vice President Mr. Arthur J. Walz, Jr. was amidst us. He then invited Mr. Walz to address IEC as a special guest.

Mr. Arthur J. Walz, Jr., Vice President, ICOLD thanked ICID for the opportunity given to him to make a presentation at their Council meeting. He then mentioned about the similarities between ICOLD and ICID and said that ICOLD had 85 member countries. ICOLD was involved in infrastructure development and water management on supply side whereas ICID was involved in infrastructure development and water management on the distribution side. Thus there was a close relationship of the organizations in the context as Suppliers and Distributors. He said that ICOLD had 24 technical committees that addressed current technical issues related to the development and management of water resources. These included areas such as sedimentation, floods, water transfers, environment, water resources planning of projects, etc. which were of interest to ICID as well. He observed that the efforts being made towards the Millennium Development Goals were not adequate and some regions, especially Sub-Saharan Africa needed more attention urgently. For ICOLD, the development and promotion of dams and hydropower in Africa was a priority. ICOLD wished to have cooperation with all the international organizations, governments and civil authorities in their efforts for sustainable development.

President Lee thanked Mr. Walz for elaborating the similarities and talking about areas where the two organizations could help each other. He mentioned that there were some ICID members like VPH Stephens (USA)

and Dr. Illahi B. Shaikh (Pakistan) who were also members of ICOLD, that provided a sense of closeness. He said that there was a need to work harder together. He was happy that ICID was able to support ICOLD on the TF on Hydropower in Africa. ICOLD proceedings were also inspirational in coming up with the list of Top 10 Technologies. He mentioned about RCC in dam construction and piano-key spillways with automatic falling shutters which were very neat technologies that enhanced storage capacities and changed water management, particularly in reservoirs.

President Lee then invited VPH Vidal to present his report as the Chair of PCSPOA.

Item 10 : Report of the Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA)

VPH Dr. Alain Vidal presented his report through a PowerPoint presentation by mentioning that the PCSPOA meeting this year was unusually well attended. He was happy to mention that PCSPOA was driven by active Vice Presidents who demonstrated their strong linkages with the National Committees within their allocated regions.

VPH Vidal highlighted the recommendations of the PCSPOA Internal Review carried out by the Special Committee under his Convenorship and with the membership of VPH S. Taniyama (Japan), VPH Dukhovny (Uzbekistan), VP Felix Reinders (South Africa) and VP Gao Zhanyi (China). He said that the Review Committee considered the issues related to membership of ICID, block membership, membership subscription fund, focus on Africa, and Vice Presidents' role. He showed his concern on subscription defaults by saying that for the group of poor countries paying regular subscription was becoming uncertain, as such, there was a necessity to explore new ways for them to pay membership subscriptions, such as 10-year membership with advance payment, etc. He was happy that there was an improved conjunctive effort from the Central Office and the Vice Presidents in the regions. The Vice Presidents could also be allocated inactive National Committees for reactivation since these were otherwise active at country level. On the block membership issue, the review felt that it would be more productive to focus on consideration of support for regional groups and granting observer participation to regional institutions. In this direction, status of 'Permanent Observer' in the IEC to SARIA and ARID in 2006 was a welcome step. The review suggested that such regional groups should better work with the concerned Vice President In-Charge in the region to regularly explore the opportunities for themselves to reactivate the National Committees as well as the groups of Irrigation and Drainage professionals who could constitute a core of a future National Committee. The Special Committee for the Review felt that it would be advantageous to grant membership subscription fund to registered affiliates of regional associations with Permanent Observer status.

On the Membership Subscription Fund, **VPH Dr. Alain Vidal** mentioned that this idea was good for participation of LDCs, however, its feasibility was doubtful in view of the finances for such a fund. He felt that regional options could be explored to see how the LDCs and others could be developed through project activities which donors would be keen to support financially. The Committee felt that increasing ICID share of activities in Africa was desirable. A "Preference of Africa" programme should be developed to increase the visibility of Africa and to provide added value to African professionals. In this regard, two Vice Presidents for Africa could be given the charge and linkages with regional initiatives and associations like Lake Chad, ARID, SARIA, etc. could be intensified. The Committee suggested that the elected Vice Presidents may be asked as to which National Committees he/she would more easily work with, so as to give them more active responsibilities. They could be also assigned specific role like Chairmanship of Regional Working Groups, allocation of international organizations, Strategy Themes and follow-up on the activities of certain workbodies or Chairmanship of TFs. In this regard, it would be helpful to know from the candidates for the position of Vice Presidents to present their objectives as to how best they would serve the National Committees, if elected.

Dr. Alain Vidal then elaborated on the priority issues for LDCs and TFs and said that an extensive report of the TF for Asian LDCs was to be shortly published with support from Australia, Iran and Japan. The priority issues in the Asian LDCs included participatory management of irrigation and drainage sector and measures to encourage participation in ICID activities with the help of support such as associate membership, conference fee exemption, subsidy from a share of regional conference revenue, etc.

On the TF for African LDCs, **Dr. Vidal** mentioned that the bulk of LDCs were in Africa and it was expected that many of them would assemble at the African Regional Conference in South Africa. It would be considered to initiate a new workbody by merging both the TFs and address the issues of LDCs globally.

VPH Vidal said that there was a need for Africa to be present at the WWF-5 with emphasis on climate change effects on food security in Africa. He mentioned that Ukraine proposed to hold the European Regional Conference in 2009 and the Asian Regional Working Group (ASRWG) proposed to establish a regional TF on Climate Change and Irrigation. He showed his concern that the American Regional Working Group (AMRWG) faced difficulties in its existence. PCSPOA proposed that a member of the Organizing Committee of each regional conference held during two previous years as well as two subsequent years be inducted as members of the C-CONGR on a rolling basis. He hoped that plans for Abuja Conference in 2009 will be forecast for a successful event. With these words VPH Dr. Alain Vidal concluded his presentation.

President Lee asked for reactions from the Council on the proposal that came through the TF on Role of Vice Presidents and congratulated Dr. Vidal too for the interesting proposal that the newly elected VPs should indicate if they wanted to have ICID's collaborations in some countries where they had linkages and what they could do rather than having a pre-determined geographic allocation of NCs/regions from the Central Office. He fully supported the review by PCSPOA. He observed that certain items related to finance could be passed on to PFC. On the suggestion for having two VPs from Africa, President Lee observed that ICID by-laws and constitution required regional balance, though some flexibility was available in this regard. This could be considered by the Council in relation to 'preference for Africa'.

President Lee thanked Dr. Vidal for his good comments and said that there were a few things coming from the Review and a few things coming from the PCSPOA discussions, like advance payments, the grant, proposals to be looked at by PFC, project funding, assistance to LDCs, suggestion on associate membership coming from the PCSPOA discussions similar to something coming out from PFC Report of Review, merger of workbodies and expansion of membership of the Committee on Congresses and Conferences (C-CONGR) which was essentially a very important workbody. He then asked for a resolution on whole of the PCSPOA report and on support for the PCSPOA Review.

(Australia proposed, UK, South Africa, Ukraine, Hungary and Germany seconded. The PCSPOA report was approved unanimously.)

Applause

President Lee thanked VPH Vidal for the Chairmanship of the PCSPOA and all the good work of his Committee. He then invited Dr. W.F. Vlotman, Theme Leader, Systems who chaired the meeting of PCTA in the absence of VPH Hector Malano, to present the PCTA report.

Item 11 : Report of the Permanent Committee for Technical Activities (PCTA)

Starting with the membership of the Committee, **Dr. Willem Vlotman (Australia)** mentioned that the nominations of Dr. Nikolay G. Kovalev (Russia) and Mr. Hasan B. Yuksel (Turkey) were approved by the Committee, while the nomination of Mr. S.K. Sinha (India) was deferred pending his attendance. He said that there were new approved nominations of various technical workbodies that were mentioned in the PCTA minutes (Appendix XII, page A-47) available with the members of the House and were not being mentioned again due to paucity of time. He mentioned about the internal review of the technical workbodies and suggested that the role of Strategy Theme Leaders in the definition of mandates needed to be reviewed and clarified. The report of the internal review was available in the printed Agenda for the PCTA meeting (PCTA Agenda, Sacramento, page A-93).

Dr. Vlotman mentioned that two new TFs had been proposed to be set up. These were TF on "Impact of Irrigation and Drainage on Livelihood and Poverty Alleviation (TF-POVERTY)" under the convenorship of VPH Dr. Alain Vidal and TF on "Financing Water for Agriculture (TF-FIN)" under the convenorship of Ir. Paul van Hofwegen. He mentioned that the proposed mandate of the TF-FIN will be "To formulate an ICID position on the demand-side financing of water for agriculture and the need for more appropriate financing mechanisms in the fast-changing context of the agricultural sector." He said that both these TFs will be placed under the theme 'System'. With the help of graphs, he presented the nature of various existing technical workbodies and how they were presently placed under the four strategy themes (Appendix XII, page A-57). He said that the two former workbodies, viz. IPTRID Advisory Committee (AC-IPTRID) and WG on Research and Development (WG-R&D) had been merged as a single workbody called "Working Group on Technology, Research Uptake and Exchange (WG-TRUE)" under the chairmanship of Prof. L. Vincent (The Netherlands). The workbody planned to organize a workshop in Lahore in conjunction with its regular meeting. He informed that the EB-JOUR had recommended renewal of a 5-year contract with M/s. Wiley-Blackwell, UK. The Award for the Best Paper published in the ICID Journal during the year

2006 will be presented later in this meeting. He said that the new Joint Editors will begin their term in 2008 and the Editor Prof. Bart Schultz will continue to function until the IEC meeting in 2009.

Dr. Vlotman said that the revised version of MTD was likely to be completed by the end of March 2008 and was expected to be released at the Lahore Congress. The Dictionary will also be translated into Bahasa language (Indonesian) by the Indonesian National Committee of ICID. Mentioning about the C-PR&P, Dr. Vlotman said that this Committee will continue to exist with its present name and will also continue to review the ICID Newsletter and Website and offer suggestions to Central Office for their improvement. He informed that a History Seminar will be held in Lahore and the WG-HIST was also planning to contribute to the WWF-5. A recommendation for an updated mandate will be provided to include cross-cutting aspects and new name to the workbody. He said that a synthesis was given by the Theme Leader on 'Knowledge' who recommended that all workbodies should improve their knowledge factor and explore how to develop communication between ICID and farmers and other water users. A communication strategy should be considered by PCSPOA.

Moving on to the Strategy Theme 'Systems' and the workbodies within the theme, **Dr. Vlotman** said that the WG-CBTE had concluded its work and was in existence during the past 11 years. Although this subject needed continuous attention, it appeared that no one volunteered to take the lead. The other WG which completed its work was WG-SOCIO, whose unfinished work will be transferred to the new TF-POVERTY. The new Chairman for the WG-MIS was elected (Mr. Maurits Ertsen, The Netherlands) and its workplan will be circulated by the end of this year. The mandate and its tenure until 2013 were recommended by PCTA for approval by the Council.

Dr. Vlotman reported that the WG-DRG celebrated its 25th anniversary by bringing out two publications -- a Special Report on Performance Assessment of Drainage Systems published online by Commonwealth Scientific and Industrial Research Organization (CSIRO) and a Special Issue of the Journal on Drainage, with 20 key articles on drainage throughout the world. The WG revised its mandate, proposed a new workplan and a completion date of 2013, which would be recommended for approval by the Council. He said that the close-out and start-up procedures of workbodies needed to be clarified and a 2-page guide for each needed to be prepared by PCTA and the Central Office. The issue of Safety and Multiple Use of Systems should also be developed together with the guidelines and should be considered by all the workbodies, he said.

Moving on to the workbodies under the Strategy Theme 'Basin', **Dr. Vlotman** mentioned that the reports of the workbodies under the theme were presented by the respective chairs. The WG-IADWS completed its initial mandate and a new WG with the name "Water Management in Water Stressed Regions" was proposed to be created which would have three subtopics under it. A detailed mandate and work plan of the workbody will be presented in Lahore next year. WG-SDTA reported that a Handbook on SDTA and a draft Position Paper on SDTA were under finalization. The mandate of the WG had been extended until 2009 last year. He said that the WG-ENV proposed to organize a workshop during the Lahore IEC meeting and the workbody had prepared and submitted a new mandate for approval. Dr. Vlotman said that the WG-CAFM had prepared a position paper on the 'Management of Riverine Flood Risk' which was recommended for approval by the Council. The WG organized a half-day workshop during the Sacramento meeting and proposed that a one-day workshop be held next year in Lahore as well. He said that the WG proposed to recommend creation of a new TF on Value Engineering, Asset Management and Maintenance.

Continuing his presentation, **Dr. Vlotman** said that the WG-CLIMATE proposed its new name "Climate Change and Agricultural Water Management." A good session on the theme was held during the Sacramento events and the WG will also hold a workshop in Lahore. Papers were being considered for a Special Issue of the ICID Journal that might be funded by Environment Canada. The Group indicated that it would complete its mandate by 2011. Dr. Vlotman informed that VPH Henri Tardieu presented the synthesis report (Annexed in PCTA Minutes, Appendix XII, page A-60) for the theme 'Basin' and suggested that ICID should contribute to the climate change issues at the WWF-5.

Moving on to the workbodies under the Strategy Theme 'On-Farm', **Dr. Vlotman** informed that the new name for the WG-CROP was "Water and Crops (WG-W&C)" which will complete its new mandate in next six years. Similarly the WG-PQW also proposed a new mandate which was proposed to be approved. PCTA felt that the classification of water quality by the concerned workbodies needed further elaboration. Reporting on the WG-ON-FARM, Dr. Vlotman said that the new Manual on "Performance Evaluation of Sprinkler and Drip Irrigation System in Different Agro-Climatic Regions of the World" will soon be ready for publication with financial support by the ITAL-ICID. A new mandate for the workbody will be developed and presented at the Lahore IEC meeting. Synthesizing the activities under the theme 'On-Farm', Dr. Nairizi, the Theme Leader presented a report (Annexed in PCTA Minutes, Appendix XII, page A-62) where certain suggestions were made.

On the ICID TFs, **Dr. Vlotman** mentioned that a presentation regarding WWF-5 was made by PH Aly Shady where he asked the workbodies to consider which issues needed to be included in the ICID contribution to the Forum. He said that PH Bart Schultz reviewed the preparation of TF-IBWT report and informed that a half-day Special Session in Lahore will be organized where the finalized TF report will be presented.

On the Top 10 Technologies capable of revolutionizing food production, the PCTA recommended that the list should get a higher status and could be formulated into a position paper of ICID. It was agreed that Mr. Bruno Molle and Dr. Carlos Garces (IPTRID) will work with President Peter Lee to explore opportunities for using the listed Technologies.

Dr. Vlotman said that the PCTA reviewed ICID's cooperation with international organizations. Preparations for the forthcoming meetings in Lahore, Abuja and Jogjakarta in the years 2008, 2009 and 2010 respectively were also reviewed. The outlined plans for the Asian Regional Conference in 2009 were noted, he said. With this information, Dr. Vlotman concluded his presentation.

President Lee thanked Dr. Vlotman and observed that PCTA report contained enormous work to report on. There were some workbodies which had completed their tasks and others that had come up with new mandates. There were now good models available on how to start a workbody and how to conclude its activities. These experiences could be put together for future guidance. This may not necessarily include only the PCTA workbodies, but all workbodies of ICID including those of PCSPOA, as also various TFs. He mentioned about WG-CBTE and its excellent work saying that it had been a very productive workbody that had collaboration with other organizations. On the recommendation for a communication strategy, he thought it was an area that could be looked at by PCSPOA.

President Lee enquired if there were other queries or comments on the PCTA report.

VPH Henri Tardieu (France) suggested that there be a formal approval and endorsement of the position paper on Floods. He also understood that some statistical data on the Tidal Areas had been prepared which could be discussed in the National Committees and later at next year's meeting.

President Lee thanked VPH Tardieu and said that the WG-CAFM had prepared a position paper on Comprehensive Approaches to Floods which had been circulated to the National Committees. He thanked the National Committees who offered comments on the same and added their views to improve it. He said that this formed part of the PCTA report for approval. He also said that work was still going on for the position paper on Sustainable Development of Tidal Areas. He then invited Secretary General to inform about the WatSave document that was under preparation.

Secretary General Gopalakrishnan said that the WG-WATSAVE had decided to compile a comprehensive document to present all the success stories and case studies on water saving. The Central Office has compiled all such case studies giving country-wide actions. This document was earlier planned to be brought out in Sacramento, however, to improve it further and make some useful additions, it was decided to postpone the publication of the document which will now be brought out before the next IEC meeting in Lahore. An executive summary of the WatSave case studies will also be prepared for the WWF-5.

President Lee supplemented by saying that like a position paper, this document will also be circulated to the National Committees as it will be an ICID document. He said that he would look up to the National Committees to update some of the case studies and statistics that may be there in the publication, especially on the basis of the great work carried out by China, India, Egypt, etc. This will be a major landmark in ICID history when published, since it would provide a leadership to the world on water savings, he said.

President Peter Lee then asked for a motion for accepting the PCTA report.

(Australia proposed, seconded by Canada, Ukraine, UK, Turkey. None against the motion and no abstentions. The motion was accepted.)

Applause

President Peter Lee invited the Chairman of PFC, VPH Chandra Madramootoo to present his report on the Committee.

Item 12 : Report of the Permanent Finance Committee (PFC)

VPH Prof. Chandra Madramootoo (Canada) started his presentation with the new membership proposals for the Committee, informing that Dr. Gao Zhanyi (China) and Dr. James Ayars (USA) had been inducted as members. He suggested that inviting membership nominations from the Nigerian and Indonesian National Committees also will be desirable. He informed the House that the subscription arrears presently were of the order of US\$ 30,462 from 9 active countries. Macedonia, Nepal and Nigeria were running in arrears consecutively for three years and could be deemed inactive if their arrears were not cleared by 31 December 2007. The Nigerian National Committee assured that they would clear the arrears soon. The Committee noted the preparations for the 59th IEC and 20th Congress in Lahore (Pakistan) next year, 60th IEC in Abuja (Nigeria) in 2009 and 61st IEC in Jogjakarta (Indonesia) in 2010. He mentioned that the registration fees at these events would depend upon the number of delegates registered, sponsorships and cost base. It was strongly recommended at the meeting that there should be ICID share of registration fee for Congress and IEC events. This was also covered in the report of the Special Committee for PFC. He noted that the host countries for the Congress requisitioned more number of copies of the Transactions than the number of delegates who actually registered. Therefore, it was necessary that the cost of extra Transactions beyond the actual registrations needed to be reimbursed by the concerned NCs to the Central Office.

VPH Prof. Chandra Madramootoo presented a chart showing the expected number of registrations (including full registrations, young professionals and accompanying persons), exhibitors likely to participate and the registration fees proposed to be charged in respect of 2007, 2008 and 2010 events in Sacramento, Lahore and Jogjakarta respectively as estimated by the respective National Committees. The details for 2009 events in Abuja were not available. He opined that such proformas were very useful in assessing the number of likely registrations and the revenue that could be generated. It was seen in general that there was a rise in the registration fees despite sponsorships. However, the general feeling was that the number of registrations perhaps depended on the venue more than on the registration fee alone. He said that young professionals and local participants normally enjoyed discounts of the order of 40-50% of the full registration fee. He said that so far ICID share of 50% fee was available only for the Congresses and it was highly recommended to augment the revenue base by bringing in the annual events also for the ICID share.

President Lee recalled that in the previous PFC meetings, proposals for a fixed amount from the Congress registrations as ICID share were made to reduce financial risk, so that the number of registrations did not matter much. This was also to make it administratively straightforward. He said that there were different kinds of registrations with different fee structures, such as local registrations, registrations before and after the due date, registrations from non-member countries, etc. This made the calculation complicated and that is why a lumpsum amount as ICID share was proposed. However, this might tend to pose some risk to the host country if the expected registrations were not achieved. He therefore suggested that the present practice could be continued. He asked if IRNCID had an observation.

VPH Saeed Nairizi (Iran) mentioned that they agreed for continuing the present practice of paying 50% share from the Congress to ICID.

President Lee then moved on to the subscriptions part and asked the PFC chair if he wished to make his proposal regarding subscriptions.

VPH Chandra Madramootoo mentioned that according to the new formula suggested in the Internal Review report, subscription amounts of the National Committees varied greatly compared to their present subscriptions. This variation in the amounts was substantial in some areas.

President Peter Lee observed that if the increase was not uniform, there could be some difficulty for the countries having to pay much higher subscriptions according to the new formula. So he proposed that there should be a uniform average increase in the subscription of all the National Committees. He felt that there was no point in going on and on without revising subscriptions for so many years.

Mr. Laurie Tollefson (Canada) wanted to know if they were discussing proposal for approval of a lumpsum amount or a uniform percentage increase.

President Lee clarified that the Australian proposal was for conversion of lumpsum amount to a uniform percentage.

VP Mark Svendsen (USA) suggested that the percentage share of registration fee from the Congress, whether 40% or 50%, be discussed and enquired if the proposal to charge some percentage of registration from the IEC was also there.

Mr. Stephen Mills (Australia) suggested that in his view it would be better to propose a fixed percentage increase in subscription uniformly for the NCs and review it next year to see as to how it helped the ICID budget.

President Peter Lee clarified that the PFC did not propose the new formula of subscription calculation but had suggested a uniform increase of 3% in the subscription amount of the National Committees on an annual basis. The new calculation formula was suggested by the Review Committee.

President Lee proposed the House to vote for the 3% annual increase in the subscription and 50% of registration fees from Congresses and 15% of registration fees from IECs. He said that for the IEC meeting after Lahore, which will be held in Abuja, Nigeria in 2009, the National Committee had agreed for a 15% share of registration fee for ICID.

Secretary General Gopalakrishnan intervened to say that there was a communication from the Indonesian National Committee also who will be organizing the 61st IEC meeting in 2010 and they too agreed to provide 15% of the registration revenue as ICID share.

President Lee thanked the National Committees of Nigeria and Indonesia for agreeing for the 15% share of registration fee from IECs for ICID and mentioned that now there was a resolution to vote on the two proposals. He said that the first proposal for voting was for 50% share from the Congresses with an option to provide a converted lumpsum amount and 15% share from IEC meetings.

(Canada proposed, seconded by Egypt, Iran and France. There was no vote against the proposal, nor any abstention. The proposal was accepted unanimously.)

Applause....

President Lee then asked for Council's vote on the second resolution for a 3% annual increase in the subscription rates of the National Committees.

(Moved by Japan and supported by Korea, Hungary, USA, Russia and others, the resolution was adopted unanimously, as there were no objections or abstentions.)

President Lee mentioned that there was unanimous decision on the two proposals and thanked the Council members for the same.

Applause

Continuing **VPH Madramootoo** discussed and commended for approval of the audited account for the year 2006-07, forecast for 2007-08, budget for 2008-09 and preliminary annual budgets for 2009-10 and 2010-11. The PFC Chair informed that in the audited accounts for the year ending 31 March 2007, the actual exchange rate of INR-US\$ was Rs.45.07 against Rs.45 adopted in the budget. The current assumption of exchange rate for the 2007-08 budget was INR 40, he informed. He said that the total receipts from the subscription amount were up by 11.56% compared to 2005-06 and stood at INR 9.39 M. The meeting receipts were INR 0.18 M and the rent received from additional construction (gross amount) INR 6.17 M. Accounting for other receipts from publications, etc., the total receipts were INR 18.94 M. Against the above receipts, the total payments were INR 19.64 M, thereby showing a deficit of INR 0.7 M. Much of the payments (of the order of INR 8.57 M) were made towards the salaries and benefits of the staff though these were lesser by 17.73% as compared with the corresponding amount during the previous year. The other payments were made for service and maintenance, property tax and utility, printing and distribution and others. During the closed year, total assets were worth INR 45.59 M against (INR 46.51 M last year) while the current liabilities accounted to INR 7.21 M (compared to 11.75 M last year). The net assets therefore were INR 38.38 M (compared to INR 34.76 M last year). Thus, the net assets increased by INR 3.62 M and were equivalent to 1.85 times the three year rolling average of annual receipts, excluding the grants.

For the current year (2007-08) forecast, **Dr. Madramootoo** said that this was based on an exchange rate of INR 40, whereas at the Kuala Lumpur meeting in 2006, an exchange rate of INR 45 to a US\$ was assumed. The actual

receipts from subscription, grant, rent from additional let out space, meeting receipts and others were INR 18.53 M. However, against these receipts the payments to be made will be of the order of INR 27.86 M, of which INR 11.88 M will go towards salaries and benefits. This amount in the budget was assumed to be INR 11.67 M. The other payments related to services and maintenance (INR 2.66 M), printing and distribution (INR 2.82 M), and payments to L&DO (INR 5.89 M) and property tax and utility amounting to INR 2.09 M. Thus, it was anticipated that a deficit of INR 9.33 M will take place in the forecast for 2007-08. The closing reserve as on 31 March 2008 will be INR 29.05 M as against INR 38.38 M in March 2007. This closing reserve was equivalent to 1.48 times the 3-year rolling average of annual receipts.

Prof. Chandra Madramootoo then presented 2008-09 budget mentioning that the total receipts were likely to be INR 27.11 M of which INR 8.57 M from subscription, INR 7.34 M from meeting receipts and INR 7.28 M from the rent were expected to be received. Against these receipts, the budgeted payments included INR 14.15 M towards salaries and benefits, INR 2.85 M for services and maintenance, INR 3.72 M for printing and distribution of Transactions and other publications, INR 2.09 M for property tax and utilities, INR 1.82 M for payment to L&DO and expenditure towards other miscellaneous items being INR 1.55 M, thus totaling to an expenditure/payment of INR 26.88 M, thereby leaving a small surplus of INR 0.23 M.

VPH Madramootoo then presented the preliminary budgets for the next two years 2009-11 saying that during the year 2009-10, the receipts were likely to be of the order of INR 18.66 M while the payments of the order of INR 23.74 M, thereby leaving a deficit of INR 5.08 M. During the year 2010-11, he said that the receipts were likely to be INR 18.78 M while the payments were likely to be of the order of INR 24.17 M, thereby leaving a deficit of INR 5.39 M. He mentioned that in these budgets, no increase in subscription was assumed. Similarly, no income from IEC in 2009 and 2010 was assumed. The closing reserves therefore will be of the order of INR 23.97 M for the year 2009-10 and Rs.18.58 M for 2010-11 which will give income factors of 1.15 and 0.88 during the two years respectively. With the ICID share from 2009 and 2010 IEC meetings which was just now approved by the Council, it is hoped that the deficit would reduce.

Prof. Madramootoo referred to the amount of € 1025000 received from the Government of The Netherlands for the Country Policy Support Program (CPSP) of ICID and said that the project was closed on 31 December 2006 and its financial narrative report was sent on 23 January 2007. ICID costs were fully recovered with internal re-appropriation of an internal expert's inputs, thus reducing ICID costs. Japanese National Committee provided a grant of \$1489 for printing a brochure on "Multiple roles and diversity of irrigation water".

Dealing with the overall health of ICID and its financial situation, PFC observed that it was time to look, especially in view of the increasing costs and depreciating US\$ value vis-à-vis INR, at the membership subscription rates which were last increased only in 1999. He called for attention of members to the fact that compared to the US\$-INR rate of 50 in 2002, presently the rate had come down to INR 39.85 and the trend showed that INR was becoming stronger. This directly reduced revenue for the ICID budget. The reduction in the ICID revenue was already of the order of 18-20% due to this falling exchange rate.

VPH Madramootoo produced graphs depicting the trend in ICID core income/costs, both showing the actual value and budgeted forecast value and demonstrated that the costs were increasing compared to the receipts, thereby calling for an urgent increase in the subscriptions of the National Committees with immediate effect. He thanked the members for endorsing the PFC recommendation for an annual increase of 3% per year in the existing subscription rate of the National Committees with effect from 2008. With these words, he concluded his report.

President Lee thanked VPH Chandra Madramootoo for presenting the PFC report and asked for Council's vote on the budget proposals and adoption of the report.

(France proposed, Hungary and Iran seconded. There were no objections or abstentions. The proposals and report were approved unanimously.)

Applause

President Lee then took up Item 13 on External and Internal Reviews of ICID and recalled the PFC internal review report presented by VPH Prof. Madramootoo, PCTA internal review report and the report of PCSPPOA internal review referred to by Dr. Willem Vlotman and VPH Dr. Alain Vidal respectively in their presentations of the Permanent Committees.

Item 13 : External and Internal Reviews of ICID

13.1 Internal Reviews

PFC – (This report presented during PFC report presentation is included here in sequence of the IEC Agenda Item numbers.)

VPH Prof. Chandra Madramootoo gave a brief background of the Special Committee which was formed following the decision at the 56th IEC and 19th Congress at Beijing where a broad mandate to review the revenue and cost options to improve ICID finances was given. He said that the membership of the Special Committee comprised VPH Chandra Madramootoo (Canada), Chair, PFC as its Convenor, and VPH R. Jeyaseelan (India), VPH Saeed Nairizi (Iran) and VPH Larry D. Stephens (USA) as members. The Committee also co-opted other experts of ICID family and sought details of work from the Central Office from time to time. He mentioned that the draft interim report of the Special Committee to Review the Revenue and Cost Options for Improvement of ICID's Finances was presented at Kuala Lumpur IEC meeting last year and the Committee continued its deliberations in 2006-07.

Presenting revenue and costs of ICID, **Prof. Madramootoo** mentioned that the last revision of the subscriptions took place way back in 1999 when a 4.5% increase was approved. Giving the details and the individual statistics of the source of the revenue and the heads of costs, he mentioned that during the year 2006-07, the revenue was of the order of INR 18.87 M equivalent to US\$ 475000, which also included rent amount from the let out property in the Central Office. On the other hand, expenditure presently was of the order of INR 17.07 M, more than half of which accounted for salaries and benefits. He showed with the help of graph the trend in the ICID core income and costs which indicated that beyond 2006-07, deficit had started to increase. He recalled that in its draft interim report presented during previous year, a high level committee was recommended to be set up to bring the then 33 inactive National Committees back into ICID fold, and proposed actions like implementation of registration fee share for ICID of 50% from Congress and 15% from IEC effective from 2009, implementation of cost cutting measures proposed for the Central Office, collecting the arrears, seeking external project funds such as CPSP, MT-JOUR working with the Central Office on Journal improvements, and considering TDS and web based services for cost recovery. Prof. Madramootoo said that all these recommendations needed to be brought forward with a proposed new membership fee formula at Sacramento. The membership calculation formula needs revision and recommendations on the corporate membership and methods for engaging the private sector need to be explored. He presented a table enlisting 10 National Committees contributing highest subscriptions and 10 National Committees contributing lowest subscription amounts so as to project a holistic picture of variation in the subscription rates. Introducing a new proposal for subscription notes, he mentioned that the ICID subscription was being calculated on the following basis.

$$\text{Subscription} = A + B + C - D$$

Where A = Fixed Basic Charge,
 B = Interest of the Country Component,
 C = Capacity to pay Component, and
 D = Concession in the Interest of the Country Component.

He mentioned that the present Fixed Basic Charge A = US\$ 1200 was proposed to be increased to US\$ 1500. The Interest of the Country Component B was presently calculated as $B = 940A^{0.5}$ for $A < 9.35$ Mha or $= 1315A^{0.5}$ for $A > 9.35$ Mha. He said that this was proposed to be revised as follows:

$$\begin{aligned} B &= 1180A^{0.5} \text{ for } A < 6 \text{ Mha} \\ &= 1750A^{0.5} \text{ for } A > 6 \text{ Mha} \end{aligned}$$

He gave a table for the proposed 'Capacity to pay' Component. The amount under this Component varied from Nil to a charge of US\$ 1250 for countries having GDP per Capita of less than US\$ 1200 to those with GDP per Capita value of more than US\$ 25000. He then proposed that Concession (D) in the Interest of the Country Component be 50% of B for GDP of less than US\$ 440 and $D = 10\%$ of B for GDP between US\$ 440 - 2200.

Summarizing his presentation for revision of subscription, **Prof. Madramootoo** mentioned that if the revised subscription formula were to be applied it would result in 23% increase in the overall subscription i.e., from the present US\$ 213225 to US\$ 261336. He mentioned that based on the expenditure and revenue, an increase of 15-20% in the subscription was required for a balance in the operation of the Commission. The Special Committee

therefore recommended implementing 5% annual increase in the subscriptions effective 2008. It could be reviewed annually at the IEC in the light of the above increase.

The Committee also recommended that the private sector companies be invited to become 'Sponsors' or 'Associates' of ICID and the categories of financial sponsorships – Platinum, Diamond, Gold, Silver, Bronze etc. be given to them which will also increase their profiles within ICID. It was recommended that the IEC should set up a TF to examine this proposal and come up with a recommendation at the next IEC.

Continuing **Prof. Madramootoo** said that the additional revenue streams needed to be explored which included increased private sector participation, providing specialized web based services for the private sector, receiving revenues from enhanced TDS, undertaking studies for agencies such as under CPSP, applying for special donor funding for specific projects, etc. A potential existed for revenues from publications which included outputs from the workbodies or work teams, proceedings from Congress or IEC sessions, proceedings of special sessions, workshops, seminars, etc., he said.

Finally **Prof. Madramootoo** advised that for reducing the ICID costs, it was necessary to move to a more electronic and web based environment which will reduce the printing and distribution costs, increase efficiency within the Central Office and increase the sale of the Journal.

With these remarks, **Prof. Madramootoo** concluded his presentation.

PCTA – The internal review report was referred to in PCTA presentation and is appended in the printed Agenda of PCTA meeting, Sacramento (Appendix XII, page A-93).

PCSPOA – The report of the review was discussed during presentation of PCSPOA report and is appended as Annex in the PCSPOA printed Agenda (Appendix I, page A-8).

13.2 External Review

President Lee mentioned that now the internal reviews for the PCTA, PCSPOA and PFC were completed. The preliminary external review report was presented before the Council meeting last year in Kuala Lumpur. He invited VPH Dr. Alain Vidal to further elaborate on the external review.

VPH Vidal mentioned that this (external review report) was put on hold for the time being pending the receipt of PFC and PCSPOA Internal Review reports that were now received and presented earlier on. Based on these reports, the External Review report will be finalized and put up to the Council next year in Lahore for consideration.

President Peter Lee thanked VPH Vidal for the information. He mentioned that these reports were also earlier considered by the MB. The PCTA and PCSPOA internal review reports were available as annexes in the printed agenda of their meetings.

Presentations

Item 14 : Presentation on Strategy Theme 'Systems'

(To save time, this agenda item was taken up immediately after item 16 on Election of Vice Presidents, but is reported here in sequence.)

While counting of the votes for the Vice Presidential candidates was going on, **President Lee** invited Strategy Theme Leader, Dr. Willem F. Vlotman (Australia) to make his presentation on the theme "Systems", slotted for this year.

Dr. Willem F. Vlotman (Australia), Theme Leader, Strategy Theme on 'Systems' made his presentation entitled "TRIPLE" which referred to areas for improvement of water management systems with reference to three key indicators in different involved strategies. The three concepts he dealt with included Integrated Water Resources Management, Triple Bottom Line (Environment, Economics, Social/Cultural Dimensions) and Modernization. He said that the three indicators for appropriate application of integrated water resources management were (i) whole of catchment approach, (ii) actual measurement year around, and (iii) appropriate use of long-term average values. He said that 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 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 balance way. An abridged version of his presentation on the Strategy Theme 'Systems' is given in **Annex**.

President Lee thanked Dr. Vlotman for his presentation and said that when the Strategy Themes were decided, the idea was to look at ICID activities strategically and to take an overview of what was further required to enhance the image of the organization and to take up new topical subjects under various themes for further study.

Dr. Ragab Ragab (UK) mentioned that there was a new mandate for the newly created WG on Water and Crops which was "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."

President Peter Lee thanked Dr. Ragab for informing the members about the mandate of the new WG.

Item 15 : Presentation of Awards/Plaques

15.1 WatSave Awards

(This agenda Sub-item was taken up just after item 9, before lunch, but is reported here to maintain the sequence of listed Agenda items.)

President Peter Lee invited the Chairman of the Panel of Judges for WatSave Awards 2007, President Hon. Keizrul bin Abdullah, for presenting his report on the selection of the Awardees for the three WatSave Awards in the field of WatSave Technology, WatSave Innovative Water Management and WatSave Young Professional categories.

President Hon. Keizrul bin Abdullah (Malaysia) informed the Council that 8 nominations had been received by the Central Office from the National Committees of Brazil, Egypt, India and South Africa. A total of 3 nominations were received for the Technology Award, 4 for Innovative Water Management Award and one for Young Professional Award from these National Committees. He briefly mentioned about the evaluation process that was undertaken for adjudging the best candidate in each category. This included four questions that were asked from the candidates for qualification for submission and six questions which the Panel of Judges considered for detailed evaluation. The detailed 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, management method adopted and potential for replicability.

President Hon. Keizrul declared that out of the three nominations received for WatSave Technology Award, the Panel recommended Messrs. Werner and Herbert Arns of Brazil as the winners of the ICID 2007 WatSave Technology Award.

Applause

PH Keizrul said that this Award was presented for the work on water saving on growing rice under mechanical move irrigation using a center pivot instead of the traditional surface irrigation where the fields were flooded with water for growing season. He mentioned about the savings due to application of center pivot.

PH Keizrul continued and informed that four nominations were received for WatSave Innovative Water Management Award and on the basis of evaluation by the Panel, Dr. Abraham Singel of South Africa was declared to be ICID 2007 WatSave 'Innovative Water Management Award' winner.

Applause

PH Keizrul said that work carried out for this Award was on the development and implementation of a system which utilized the potential of sophisticated information and communication technology (crop modelling, 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. A system called 'MyCanesim' was developed, which consisted of a sugarcane model, an on-line weather database and a communication network, which automatically provided farmers with near real-time field-specific irrigation advice and yield estimates using cell phone text messages (SMS). He also described the other features of the system.

Finally, **PH Keizrul** mentioned that 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.

(The full text of the Award winning papers/proposals will be uploaded on the ICID website. The awards were presented by President Peter Lee to the Awardees and were received by them or their representatives.)

15.2 Plaques to Retiring Vice Presidents

(This Sub-item was taken up after Items 16 and then 14 but is reported here in sequence.)

President Lee moved on to the item on presentation of plaques to the retiring Vice Presidents and Chairs of workbodies who had completed their terms this year. He requested the Secretary General to read out the names.

Secretary General Gopalakrishnan read out the names of the following retiring Vice Presidents who had completed their 3-year term with distinction-

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

(Plaques were received by Dr. YooMan, HUH himself and VPH M.H. Amer (Egypt) on behalf of Dr. Hussein El-Atfy and Dr. Irene Bondarik (Russia) on behalf of Dr. G.G. Guluyk.)

Applause

15.3 Plaques to Retiring Chairs of Workbodies

Secretary General Gopalakrishnan then announced the names of 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, The Netherlands (Chairman, WG-CAFM) who guided the activities and completed their terms as Chairs of their respective workbodies with distinction.

Applause

15.4 Award for the Best Paper in Journal 'Irrigation and Drainage'

(This Award was declared and presented during the conclusion of Agenda Item 4).

15.5 Plaque to Secretary, ICID

Secretary General Gopalakrishnan recalled his mention of the retirement of Mr. K.N. Sharma as Secretary, ICID in March 2008 and invited him to receive a citation plaque for his outstanding services to the Commission.

(Mr. Sharma personally received the plaque at the hands of President Lee.)

Applause

Elections

Item 16 : Election of Three Vice Presidents

(This item was taken up immediately after Item 13 on Internal and External Reviews, but is reported here in sequence.)

President Lee informed the Council that the items that now remained to be transacted were the annual presentation on the theme "Systems", presentation of plaques to the retiring Vice Presidents and Chairs and the election of new Vice Presidents. He said that he would like to take up first the item on election of Vice Presidents and invited the Secretary General to provide preliminary information.

Secretary General Gopalakrishnan mentioned that in accordance with the Constitution Article 6.2.4, the term of office of each of the nine Vice-Presidents shall be for a duration of three years. The term of office of the three Vice Presidents, viz. Dr. YooMan, HUH (Korea), Dr. Hussein El-Atfy (Egypt) and Dr. G.G. Guluyk (Russia) will conclude at the end of the IEC and its appurtenant study tours and in their place three new Vice Presidents will be elected at the meeting. He said that the Central Office circulated the vacancies to the National Committees as per the schedule. He said that in response to the circular, five nominations were received from Pakistan, Indonesia, Ukraine, Iraq and Egypt, out of which only 3 were valid nominations, one having been received late and other being incomplete. The three valid nominations were of Dr. Engr. Illahi B. Shaikh from Pakistan, Dr. Hafied A. Gany from Indonesia and Prof. Dr. Peter Kovalenko from Ukraine. He said that as per the by-laws, the seniority of the Vice Presidents would be decided on the basis of elections, the one receiving maximum number of votes being the senior most.

President Lee mentioned that there were now only three candidates and three positions of Vice Presidents and secret voting will be conducted to ascertain their seniority. He said that to acquaint the members with the candidates and to give an opportunity to the nominating National Committees, he would like to invite the National Committees to make a brief presentation on their candidates.

(President Lee requested President Hon. Bart Schultz (The Netherlands) and President Hon. Keizrul bin Abdullah (Malaysia) to conduct the secret voting with the assistance of Secretary Sharma).

President Lee informed the members that if they voted for all the candidates, there would be equal number of votes for every candidate and the seniority would have to be then determined from draw of lots. He therefore advised them to give vote only to the candidates they wanted to vote for, or if they wished, to put 1, 2 and 3 as their priority. So they could cast 1 vote, 2 votes or 3 votes. He then invited brief presentations on the candidates.

Mr. Syed Raghieb Abbas Shah (Pakistan) introduced Engr. Dr. Illahi B. Shaikh by mentioning that he possessed a Ph.D. Degree, a Masters Degree in Business Administration (MBA); a B.Sc. in Civil Engineering and LL.B. and was at present working as Chief Engineering Adviser and Chairman, Federal Flood Commission, Government of Pakistan. Dr. Shaikh was the Convener of the ICID Committee on Congresses/Conferences and member of WG on Environment, WG on History and WG on Comprehensive Approaches to Flood Management, besides being the Chairman of Pakistan National Committee of ICID. Dr. Shaikh had over 33 years of experience in the field of project management, coordination, planning and supervision of projects in public and private sector. His work experience covered several departments and disciplines in the Government of Pakistan.

Applause

Mr. Bambang Hargono (Indonesia) introduced the Vice Presidential nominee from Indonesia, Dr. Hafied A. Gany. He said that Dr. Gany obtained his M.Sc. Degree from University of Southampton, UK and Ph D. from Columbia Pacific University, USA. Dr. Gany was a member of ICID WG on History since 2005, besides being the Secretary General of Indonesian National Committee of ICID from 1993-1999. Dr. Gany was presently the President of INACID since 1999. He participated in numerous ICID IECs and Congresses. He worked in several capacities in the Government of Indonesia and was Director of Water Resources Management and Conservation, Ministry of Public Works from 1995-1999 and Executive Secretary of the Directorate General of Research and Development, Ministry of Public Works from 2002-2003. Presently Dr. Gany was working as Senior HRD Advisor, Ministry of Public Works, Republic of Indonesia. He was recipient of several awards also.

Applause

Mr. Vasyl Stashuk Schervonoarmiiska (Ukraine) introduced Prof. Dr. Peter Kovalenko who obtained his M.Sc. in Hydraulic Engineering in 1962 and Ph.D. in Engineering Science in 1970. He said that Prof. Kovalenko was presently Director of the Institute for Hydraulic Engineering and Land Reclamation, Ukraine. Prof. Kovalenko was Vice-Chairman of ICID WG on On-farm and a member of European Regional Working Group and Chairman of the European Work Team on Sustainable Irrigation Management. He was also the President of the Ukraine National Committee of ICID and had participated in several ICID Congresses and Council meetings. He worked in several important fields in various capacities such as Chief of the Branch for Agriculture, Ukraine Academy for Agrarian Sciences from 1996-2006 and Presidium of the Ukraine Academy for Agrarian Sciences from 2006 till date and had supervised several Ph.D. and D.Sc. candidates, besides publishing a number of scientific papers and monographs.

Applause

President Lee then invited the Secretary General to present the recommendation of the Office-Bearers Committee (OBC) on the vice presidential candidates.

Secretary General Gopalakrishnan informed that OBC considered all the nominations received for the position of three Vice Presidents. In due consideration of their contribution to ICID, the OBC felt that they were all at par and left the determination of their seniority ranking to the election process at the Council meeting.

While the election process was being conducted, **President Lee** mentioned about another important item of work. He said that Dr. Li Daixin, Chairman of the Chinese National Committee informed that a good friend of ICID, Mr. Zhai Haohui, Hon'ble Vice Minister in the Ministry of Water Resources of the People's Republic of China who was very active at the Beijing Congress in 2005 as the Executive Chairman of the Organising Committee was now moving to a substantive position as President of the China Association of Water Saving Technology. He had asked if Mr. Zhai Haohui could be honoured by an esteemed organization like ICID, given his laudable contribution in China to promote policies in support of water savings consistently. President Lee welcomed the idea and said that in recognition of Mr. Zhai Haohui's significant contribution to water savings by bridging 'policies' with 'technological innovations and applications' in China and his valuable support to the Chinese National Committee of ICID (CNCID) and to ICID in carrying on its mission of 'managing water for sustainable agriculture', the ICID Management had great pleasure to designate him as "Water Ambassador". A letter signed by President and Secretary General, ICID was presented to the Vice Minister of China.

Vice President Gao Zhanyi (China) thanked the President and ICID for this honour to the Vice Minister of Water Resources Mr. Zhai Haohui.

Applause

President Peter Lee then announced the following results of the election for the position of 3 Vice Presidents in order of their seniority on the basis of votes counted by the designated Election Officers:

1. Prof. Dr. Peter Kovalenko (Ukraine)
2. Dr. Hafied A. Gany (Indonesia)
3. Engr. Dr. Illahi B. Shaikh (Pakistan).

Applause

President Peter Lee invited the newly elected Vice Presidents to say a few words and mention how they intended to serve ICID.

Prof. Dr. Peter Kovalenko (Ukraine) thanked the members of the Council for electing him as one of the Vice Presidents of ICID. He assured that he will work to the best of his capacity to promote the mission and mandate of ICID. He said that he looked forward to seeing all the members in Ukraine at the 23rd European Regional Conference to be held in 2009.

Applause

Dr. Hafied A. Gany (Indonesia) said that consequent upon his election as Vice President of ICID in the 58th IEC meeting in the beautiful city of Sacramento, it was his pleasure to offer a very warm 'thank you' to the members. He said that ever since his application was endorsed by the Minister of Public Works of Republic of Indonesia for the Vice Presidential election, he was fully aware of his responsibilities that he will have to shoulder. He said that he will

do his best to come up to the expectations of the members and honour the confidence reposed by them in electing him as the Vice President. He said that he has taken the Oath of Allegiance to protect and uphold the mission of ICID to the best of his ability. He looked forward to a close cooperation with all the members of the ICID fraternity and, in general, for the prosperity of all the people on this beautiful planet earth.

Applause

Engr. Dr. Illahi B. Shaikh (Pakistan) said that he would like to express his own gratitude and the gratitude of the Pakistan National Committee for electing him as the Vice President of ICID. He said that his National Committee and he will try his best to uphold ICID's flag high and higher. He once again mentioned that the Pakistan National Committee was hosting the next IEC meeting and 20th Congress in Lahore in October 2008 and invited all the members to attend the same in large numbers.

Applause

President Peter Lee then sought a proposal for destroying the ballot papers.

(Australia proposed, seconded by UK, India and others. There were no abstentions or objections. The ballot papers were destroyed.)

Any Other Business/Closing Remarks by President

Item 17 : Any Other Business

None

Item 18 : 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. The need to enhance interaction with the National Committees was seen together with a distinct challenge identified by PH Aly Shady for the 5th World Water Forum which will give us an opportunity to put ICID on the world stage. He said that he would have an opportunity this evening at the banquet to once again thank all the members of the Council and also the Organizing Committee of the US National Committee. He profusely thanked the members of the US National Committee who were present in the meeting for organizing this Conference. He said that he wished to see all of them next year in Lahore. With this, he concluded his remarks.

Applause

ICID STRATEGY THEME SYSTEMS
IEC Sacramento, 05 October 2007
Willem F. Vlotman, PhD, MBA
Theme Leader Systems ICID

TRIPLE¹

TRIPLE refers to three areas ICID should focus on when considering the improvement of water management systems. TRIPLE refers to three key aspects in each of the three areas of focus of ICID. The theme TRIPLE will recur throughout the presentation. The objective of the presentation is to:

1. Lead
2. Inspire, and
3. Stimulate the various Work Bodies of the ICID and in particular those under the Theme Systems.

To achieve sustainable water management systems there are three concepts in our work that we need to be very clear about. They are:

1. Integrated Water Resources Management (**IWRM**) what does it mean?
2. Triple Bottom Line (**TBL**), what does it mean?
3. **Modernisation**, what does it mean?

ICID's mission is Managing Water for Sustainable Agriculture – Water for Food and Rural Development.

What do IWRM, TBL and Modernisation mean to us and why do you need to know this? You are movers and shakers, the change agents of your respective countries. You are leaders and representatives who can make a difference. You are the networkers and you care about our future. The meaning of each of these three concepts will be described, and for each, three key indicators that can be used to measure our endeavours with respect to achieving sustainability of our water management systems are presented. Work Bodies (Working Groups, Task Forces and Permanent Committees) are requested to take-on these concepts in their mandates and work towards applying them in their work using SMART² indicators.

IWRM

Integrated Water Resources Management (IWRM) is represented in Figure 1 and shows the various components of the hydrologic water cycle. When considering water management systems it is important to place the system in the context of the water cycle; quantitatively and qualitatively. To test whether you are actually applying IWRM three indicators are suggested. These are:

1. whole of catchment assessment
2. actual measurements year round
3. appropriate use of average values.

Whole of catchment approach

Traditionally the organisation of irrigation systems is according command areas. Such an organisational set-up ignores drainage and groundwater or treats them separately. This is not an integrated approach. True IWRM should consider all irrigation, drainage, river and groundwater systems as one interacting system at catchment scale (Figure 1) and report as one unit. Where groundwater systems underlie more than one catchment appropriate proportional surface water – groundwater interaction should be considered. Where more than one water

¹ Presentation at the 58th IEC, Sacramento, USA. October 5, 2007

² Specific, Measurable, Achievable, Repeatable, Timeable

management organisation exists in the catchment, they should only act as executing agencies, with catchment scale IWRM decision making by a coordinating body.

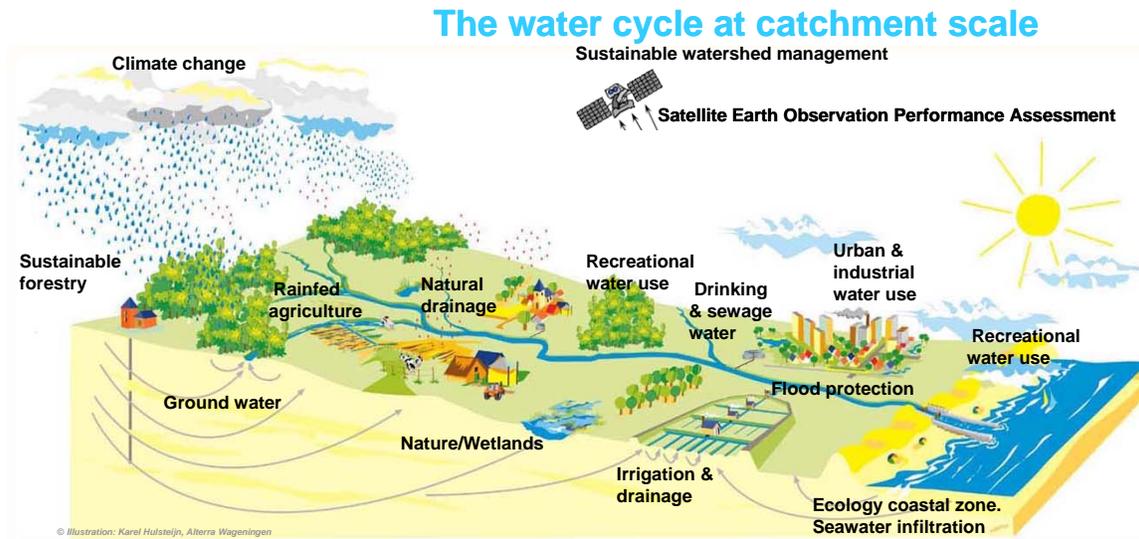


Figure 1. Integrated water resources management (IWRM) at river basin scale; the water cycle (after Vlotman et al., 2002)

Measure year round

In this day and age with automatic datalogging and remote sensing observations being readily available there is neither justification nor excuse for not measuring year round. Many irrigation authorities limit measurements only to the time period of irrigation, usually not year round. Many public funds are wasted on paying consultants to generate complete year-round data sets of stream flows, irrigation flows (e.g. if part of the conveyance is through natural carriers) such that long-term simulations can be performed. These "infilled" data are generally of marginal quality. Yet in order to get a complete whole of catchment water quantity and quality balance it is paramount that the key parameters are observed year-round. We should draw conclusions that are based on actual year-round data.

Do not use long-term average values

Average values are often used for public relations purpose to get the message across. They can be very misleading if the actual value deviates considerably from this average. For instance, take a data series comprising of 1, 1, and 10. The average is 4, but how representative is that when it can be 1 or 10? The Standard Deviation is: 5.2 and the Coefficient of Variation is $CV = SD / AVG = 130\%$. It is recommended that the CV of a data series always be checked and that the guideline for use of an average value be applied as shown in Table 1.

Table 1 Guidelines for use of average values as representative of a data series.

CV < 30%	The average is representative
CV < 50%	Average can still be used but start getting worried
CV is between 50% – 100%	CAUTION the actual value may deviate 100% from the average: how good is that?
CV > 100%	You can not use the average as a representative or meaningful value!

Triple Bottom Line

IWRM needs to be sustainable. World-wide emphasis on sustainable development is defined as development that needs to meet the needs of current generations without compromising the ability of future generations to meet their needs and aspirations. This can be conceptualised by three overlapping dimensions (Figure 2):

1. environment
2. economics
3. social/cultural.

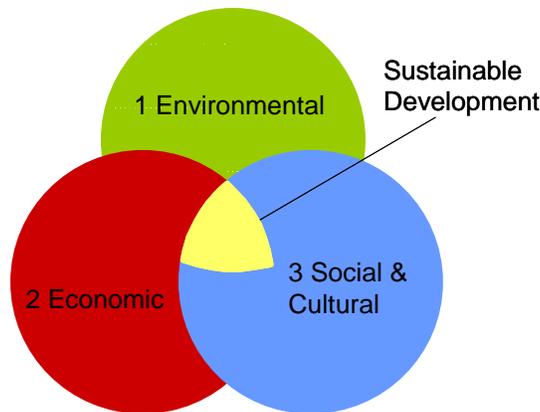


Figure 2. Overlapping dimension of Triple Bottom Line (Vlotman et al. 2007)

These are referred to as the Triple Bottom Line (TBL). Only when a negotiated balance of the three dimensions is achieved can we talk about sustainable development. It is important to report on key indicators each of these three dimensions.

Environment

When TBL is used as a guiding principle for water management systems then the environmental dimension should include the following three main aspects in its considerations:

1. Water quantity (includes all our traditional engineering aspects with respect to efficiencies, etc and includes environmental-flows, referred to as e-flows)
2. Water quality (salinity, pesticides, herbicides, insecticides and other chemicals, temperature, COD, etc.)
3. Ecology, comprising river health (e-flows, flora and fauna) and biodiversity.

Economics

The environmental aspects of the project, organisation, or business need to be supported by sound economical and financial aspects. Three aspects need specifically attention:

1. Economically viable, incl. environmental costs and benefit, the value of ecology needs to be considered appropriately,
2. Financially sound which includes true cost recovery, value engineering and asset management, and
3. Profits shared equitably in the food business chain.

The first two points may be rather obvious and are to a large extent self-explanatory but the third needs some further examination. To get food on the table an elaborate business chain is in place starting from the farmer to the shelf in the supermarket. The business chain comprises the farmer, transport companies, manufactures, distribution centres and supermarkets. Each of these is considered a cost-centre in the business chain. Analysis of business chains showed great disparity of the relative share in the profit made on the final product at each of these cost

centres. For instance, the share of profit by the farmer may be 1% while the supermarket in the chain achieved 30%. Therefore better management of the chain can lead to a more equal share in profit for all cost centres, while cutting out some of the middlemen may achieve substantial savings. Rather than reducing the price of the final product the savings and more balanced profit sharing can be used for investments in improved water distribution. Hence, rather than only the government investing in improved water management, private industry could make significant contributions too.

Social and Cultural

There are three aspects that should be considered as a matter of priority to achieve long-term sustainability. They are:

1. *Stakeholder involvement.* One should consider what is important for each stakeholder; food and clean water access; shelter, adequate living conditions; living comfortably and healthy; good sanitation (refer to Maslow's hierarchy of needs). Not being poor: poverty alleviation through **multiple use of the water system** is one of the options that should be considered; the water provided can serve other purposes than just providing agricultural or drinking water, i.e. it can be used for small scale pottery and other small home based industries. The canal banks can serve as roads, etc. These multiple uses may be equally important to the community involved and can be a deciding factor in making the system sustainable.
2. *Safety.* Safety is an important issue ranging from safe drinking water to prevention of drowning. This is often referred to as EHS: Environment, Health and Safety.
3. *Culturally acceptable.* Customs, religion, heritage, and family values are to be considered and accommodated where possible to sustain the technical solutions of water management.

Triple Bottom Line Reporting

TBL is not a new term and has been around since the Johannesburg World Summit on Sustainable Development. To assess whether a development meets TBL aspects sustainability reporting guidelines have been developed and have been well received by both business and government. They have recently been updated (GRI 2006) by the Global Reporting Initiative (GRI). GRI's vision is that reporting on economic, environmental, and social performance becomes as routine and comparable as financial reporting. An international network of thousands from business, civil society, labour, and professional institutions create the content of the reporting framework in a consensus-seeking process. They are being developed and refined continuously and you can still have your say in developing the key indicators; so ICID get involved!

TBL and ICID

Figure 3 is my personal interpretation of how well the four ICID Themes are doing when considering the three TBL dimensions. This figure is meant as a preliminary benchmark for the ICID Themes and if the concept is accepted in ICID, it may be given more flesh and bone.

The Work Bodies in the Theme Systems are biased towards environmental dimension aspects such as water quantity and quality primarily, with some aspects of the social dimensions covered. Little work is done on the economics but this may be partially covered by Work Bodies in the other themes. However, very few activities of the various mandates cover all three TBL dimensions in a balanced way. It is recommended to set goals to achieve a greater degree of balance by 2010. The recommendation can be made for the all themes except the Theme Knowledge, which due to its coverage of all activities of ICID has, by default, relatively equal coverage of all three dimensions of TBL and therefore one can say that ICIDs work leads to sustainable solutions.

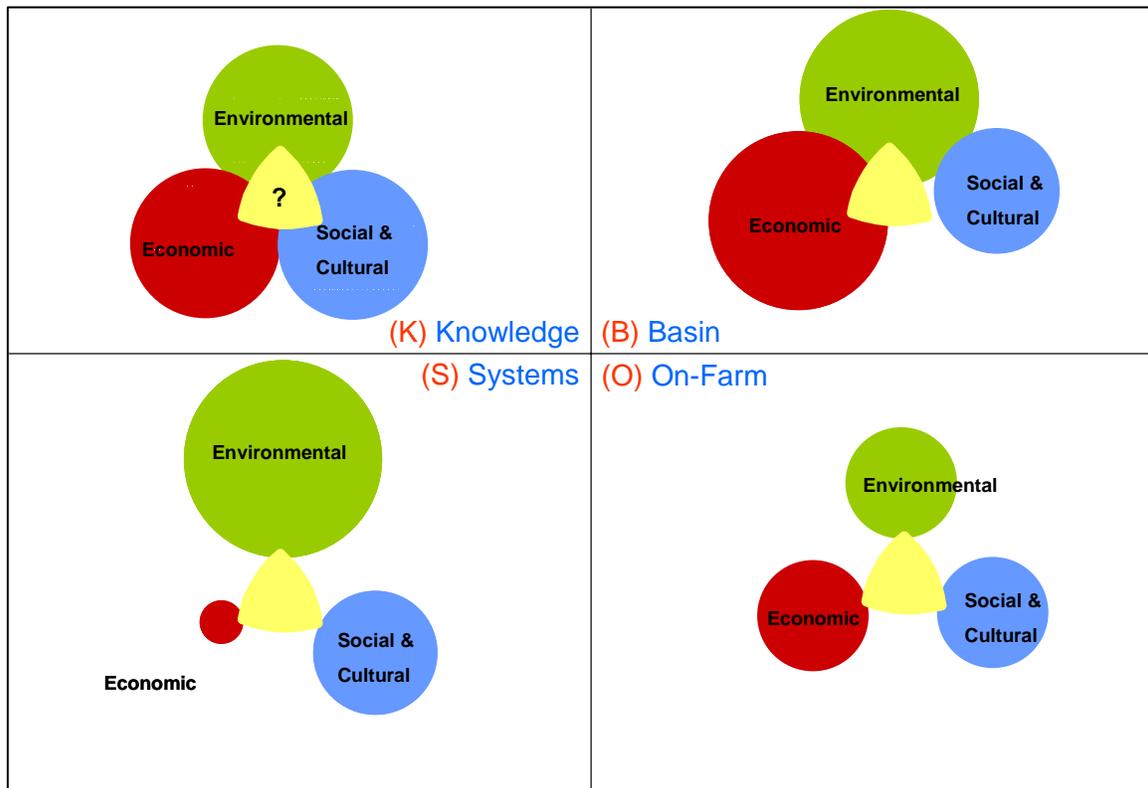


Figure 3. ICID Work Bodies in the TBL frame for each of the four Themes

Modernisation

The final area of focus for ICID Work Bodies concerns Modernisation. Apart from describing what modernisation of water management systems should include, there are three guiding principles we should adhere to:

1. Modernise within budget,
2. Do it on time, but most of all,
3. Take your time to do it right!

Modernisation involves rehabilitation of the physical infrastructure, improvements in management, and incorporation of the TBL dimensions to achieve sustainable development. Recently, two procedures to assist us with doing it right were published. They are DRAINFRAME (Slootweg et al. 2007) and MASSCOTE (FAO 2007).

The approach called DRAINFRAME is a framework for analysis, communication, discussion, and decision-making by all stakeholders. It looks at the overall social, economic, and environmental productivity of the entire water management system, of which drainage is an integral part. It allows comprehensive analysis and assessment of catchment-wide social and economic impacts of drainage following a participatory planning approach. The DRAINFRAME approach has been applied in planning of some new World Bank-supported projects in Egypt and Pakistan (Abdel-Dayem 2006; Slootweg et al., 2007).

MASSCOTE is a process for analysis of irrigation systems which aims to convert complexity into simple and straight forward elements. These can then be explored, mapped and assessed in a process that will lead progressively towards new management, improvements of canal operation and improved service delivery (FAO I&D Paper no 63, 2007). Because MASSCOTE concentrates on irrigation canal operation and service delivery IWRM and TBL aspects as described before need more emphasis. MASSCOTE stands for Mapping System and Services for Canal Operation Techniques.

Application of MASSCOTE and the various TRIPLE elements in conjunction with DRAINFRAME will go a long way in achieving sustainable water management of large modernised irrigation canal systems.

Modernise within budget

One of the main items of concern in modernisation projects is to execute the improvements within the budget allocated. This can be done by making sure that the project is also executed on time.

Do it on time

Executing the project in accordance within the original time frame is very important to keep interest in the development going. Delays will cause unnecessary frustrations and should be avoided. Delays tend to translate into abandoning critical elements in the planning, training and stakeholder involvement aspects of sustainable modernisation. Moreover political and physical conditions may change, which make it difficult to maintain the same level of support as was once received. Physical changes may be caused by climate change, amongst other things, and hence modernisation should really be achieved within a planning and execution period of 10 - 30 years. Unfortunately modernisation projects are now planned for periods of 5 years and when delays occur the project objectives are still to be achieved in the last 2 – 3 years of the original project life. Such projects will never be sustainable and are merely a waste of tax payers' money! Hence the final and third guiding principle of modernisation: TAKE YOUR TIME TO DO IT RIGHT!

Take your time to do it right

Modernise rapidly if need be, but do not compromise on the level of inputs of components critical to achieve a sustainable development. Sustainability requires multi-disciplinary inputs, all of which are important. When delays occur:

1. do not squeeze project execution into unrealistic time frames,
2. do not delete critical sustainability components, and
3. keep the TBL balance.

Typically modernisation of systems in developed countries takes 20 -30 years to complete. In developing countries the same is attempted in 5 – 6 years, sponsored by various donor agencies. When these modernisation projects become delayed, critical stakeholder involvement activities are shortened or left out all together. Emphasis is on spending the project budget. This practice should be stopped immediately. It goes against everything we have been advocating and ignores lessons learned from similar approaches in the early 60's and 70's. We should not repeat the mistakes of the past. Unfortunately there is a large new class of policy makers, planners and, yes also, scientists who do not seem to be aware of past experiences. ICID can play a major role through its network of country representatives and Work Bodies to make sure these new arrivals in the field of IWRM are made aware of our experiences and lessons learned of the past. As mentioned at the beginning of this presentation you are the leaders, movers and shakers in your country and you should not sit by passively!

Conclusions and Recommendations

- You apply IWRM correctly when you can confirm positively on the following three indicators:
 - That all indicators are considered at catchment scale even if the catchment is beyond your boundaries of responsibility,
 - That you measure year round; i.e. collect complete data series because proper scenario planning and risk assessment require complete data series, and
 - That you do not use averages in decision making unless the Coefficient of Variation (CV) is less than 30%.
 - Sustainable development is achieved only through application of Triple Bottom Line (TBL) dimensions in a negotiated balanced way. That is a balance of:
 - Environmental aspects
 - Economic aspects, and
-

- Social and Cultural aspects.
- Modernisation according IWRM principles and TBL dimensions should also be guided by:
 - Execution of projects within the budget, and
 - On-time, but most of all
 - Take your time to do it right!

NOW YOU KNOW WHAT **TRIPLE** IS MEANT TO CONVEY.

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**MINUTES OF THE EIGHTEENTH MEETING OF THE
PERMANENT COMMITTEE ON STRATEGY PLANNING AND
ORGANIZATIONAL AFFAIRS (PCSPOA)
Sacramento, USA
02 October 2007 : 09.00-12.00 hours (Session – I)
02 October 2007 : 14.00-17.00 hours (Session – II)**

Year of Establishment: 1990

Members Present : (1) Vice President Hon. Dr. Alain Vidal, Chairman (France, 2003); (2) Vice President Dr. YooMan, HUH (Korea, 2004); (3) Vice President Dr. Mark Svendsen (USA, 2005); (4) Vice President Mr. Felix B. Reinders (South Africa, 2005); (5) Vice President Dr. Gao Zhanyi (China, 2005); (6) Vice President Dr. Ing. Eiko Lübbe (Germany, 2006); (7) Vice President Dr. Karim Shiati (Iran, 2006); (8) Vice President Ir. Mohd. Azhari bin Ghazalli (Malaysia, 2006); (9) Vice President Hon. Mr. R. Jeyaseelan (India, 2003) represented by Mr. B.S. Ahuja and (10) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers Present : Ms. Audrey Nepveu, IFAD Representative.

Ex-Officio Members Present : (1) VPH Engr. I.K. Musa, Chairman, AFRWG (Nigeria); (2) VP Dr. Ing. Eiko Lubbe, Chairman, ERWG (Germany); (3) VP Dr. Karim Shiati, Chairman, ASRWG (Iran); (4) Dr. I.B. Shaikh, Chairman, C-CONGR (Pakistan) represented by VP Felix B. Reinders (South Africa); (5) Dr. A.R. Salamat, Chairman, WG-YPF (Iran) represented by Dr. Sanjay Belsare, Vice-Chair, WG-YPF (India) and (6) Engr. Bukar Wakil, Chairman, ST-LCB represented by Eng. Boubakari Mana (LCBC).

Observers : (1) VPH Dr. Shigetaka Taniyama, Chair, TF-LDCsAS (Japan), (2) Mr. Kenji Seiyama (Japan), (3) Mr. Yoshinatti Ishikawa (Japan); (4) Dr. Park Sang Hyun (Korea), (5) Dr. Peter Kovalenko (Ukraine), (6) Mr. Vasyli Stasluk (Ukraine) and (7) Mr. Valerii Vasianchuk (Ukraine).

The meeting was unusually very well attended, and this resulted in fruitful and rich discussions.

Item 1 : Confirmation of minutes of the 17th meeting of PCSPOA held at Kuala Lumpur, Malaysia, 12 September 2006

The minutes were confirmed.

A. CONTINUING ITEMS

Item 2 : Report of PCSPOA Task Force (TF6)

The Task Force (TF6) Report for Reviewing and Suggesting Roles and Responsibilities of Vice Presidents of ICID was circulated in Beijing. However, the report could not be deliberated upon, nor finalized at Beijing and Kuala Lumpur meetings. It was decided to defer the deliberation on the report to the Sacramento meeting of PCSPOA where the TF would wind up. The report circulated in Beijing is given as Attachment 3 of Annex 1 (Agenda of PCSPOA, Sacramento, page A-24) which also reflects the updates owing to the current position of Vice Presidents.

The Central Office requested PH Keizrul bin Abdullah, Chairman, TF6 to provide final recommendations of the TF6, so as to provide timely input to the Internal Review Report prepared by VPH Alain Vidal, Convenor, Special Committee to review issues under PCSPOA. Considering the inputs and how they have been incorporated in the PCSPOA review, PCSPOA recommended to wind up the TF.

Item 3 : ICID Internal Review of PCSPOA

The Chair, PCSPOA presented the recommendations of the Special Committee, which was extensively deliberated upon at the meeting. Copy of the interim draft report is not attached here, but is available at Annex 1 of PCSPOA Agenda, Sacramento, page A-8, together with its enclosures.

Recommendation 1 – Membership of ICID

"Having reviewed existing mechanisms and available enabling provisions, the Committee considers that it is difficult to do more than what is already achieved by conjunctive efforts from Central Office and VPs in their regions. The country allocation among VPs / regions should be improved in consultation with VPs.

However, there remains a group of poor countries for which paying a regular subscription is very uncertain. Therefore the Committee recommends to explore new ways of membership payments, such as life membership or advance payment for several years, in order to provide incentives to NCs paying regularly while making membership of countries having difficulties to pay their subscription more sustainable. One should also know how the member countries of ICID value the benefits from ICID membership."

In the discussion, it was suggested to consider how to attract money from projects like CPSP, operated by ICID in the countries, to allow a better participation by these countries. It was also felt important to extend the linkages operated by Central Office and by active VPs with countries who would have the ability to pay membership fees (e.g. Arab countries), as well as with existing committees (some fairly active at national level) that did not register membership yet. ICID could also play a role in putting donors and countries in contact (this has happened with IPTRID). The idea of a 10 year-membership, possibly paid in advance was also suggested to complement the Committee's recommendation.

Recommendation 2 - Block membership

"The Committee considers that it might be more productive to focus on consideration of support for regional groups and granting observer participation by regional institutions (with more recognition). This is what the Council did in 2006 by granting the status of observer to SARIA and ARID. Such regional groups should better work with the VP in charge of their respective regions, so as to regularly explore opportunities (such as regional events, professional travels) to (re-)activate National Committees or groups of I&D professionals who could constitute the core of a future National Committee."

VP Reinders reported on the on-going and fairly effective activities of SARIA and ARID, and announced a meeting that he would convene with World Bank, SARIA and ARID during the forthcoming African Regional Conference in November 2007. A key challenge remains to ensure the participation of members from NCs affiliated to these regional associations in ICID workbodies. A first measure endorsed by PCSPOA was to grant registration fees of regular members to registered members of regional associations having the status of permanent observers.

Recommendation 3 - Membership subscription fund

"While the Committee considers the idea of a Membership Subscription Fund to enthruse Least Developed and poor country's participation is good, it is not enthusiastic about its feasibility, in view of the difficulty of financing such a Fund. However, the analysis of the type of activities donors would be keen to support financially may give some hints of how Least Developed and poor country's participation could be developed through project activities: this will be developed in a further section of this report."

The idea of a regional subscription fund was also proposed, as well as one of a lower subscription fee for LDCs. The proposal in the report to raise funds through projects undertaken by NCs was questioned.

Recommendation 4 - Focus on Africa

"The Committee recommends to strengthen ICID's focus on Africa by increasing its share of activity in Africa (such as regional conferences) and by developing a real "Preference for Africa" programme, with the aim to increase its visibility and its added value to African professionals. This does not necessarily requires important changes in the constitution (such as changing rules for electing Vice-Presidents), but an incentive that should regularly be reminded to workbodies and the Council by the Management Board and Office Bearers. An

illustration of this "Preference for Africa" could be to appoint two Vice-Presidents in charge of Africa, instead of one, in particular to link with regional initiatives and associations (Lake Chad, ARID, SARIA, NEPAD, etc.)."

Africa is presently covered by 2 Vice Presidents and this should be maintained as much as possible. Their linkages with regional associations are of key importance. However, there is a need to find different angles to communicate and mobilize National Committees.

Recommendation 5 - Vice Presidents' role

"The Committee endorses the options proposed by TF6 which give more active responsibilities to Vice Presidents, i.e. options 1, 2 and 5. More specifically, it recommends that each elected Vice President be asked, not only which NCs he/she would more easily work, but also be assigned a specific role among the three proposed in options 1, 2 and 5.

Option 1: If the main role of the VP is to foster and encourage greater participation of a group of National Committees, then some mechanism is needed to come up with a workable model to allow the greater interaction in the region. One possibility to consider will be to have a VP as the Chairperson of each Regional Working Group.

Option 2: Another option that may need a policy decision is to assign VPs on a subject or theme base rather than regional. VPs can be assigned a role to associate with workbodies or other more specific role such as relations with other international organizations, strategic themes, brainstorming task force and followup on the activities of workbodies.

Option 5: Assign VPs to play a greater role in the policy and strategy development of ICID, e.g. by getting VPs to chair task forces."

The idea mentioned under recommendation 1 to include inactive NCs in Vice-Presidents' portfolios was recalled. It was also suggested to ask candidate to Vice Presidency to present their objectives on how best to serve NCs.

Recommendation 6 – Other related issues

"Secretarial support to PCSPOA to be provided either by Central Office or hosting National Committee: this should be planned well in advance by Central Office in liaison with the relevant NCs, so as to avoid last minute constraints that would prevent both of them to provide this support."

PCSPOA supported this recommendation, with the possibility left with the Chair to mobilize support from longstanding ex-officio members, e.g. Chair of YPF.

Item 4 : Membership of PCSPOA and Workbodies

- 4.1 In terms of By-law 3.2.2(e), Vice Presidents Hon. Dr. Alain Vidal (France), Mr. R. Jeyaseelan (India) and Prof. Victor A. Dukhovny (Uzbekistan) will retire from the membership of the Committee at the conclusion of the Sacramento events on completion of their tenure. The 3 new Vice Presidents who will be elected at the 58th IEC will join the Committee as members in their place.
 - 4.2 As stipulated in By-law 3.2.2(e) the Chairperson of the Committee will be nominated by the President, in consultation with the Secretary General from amongst the incumbent Vice Presidents. Accordingly the President proposed the nomination of VP Dr. Gao Zhanyi (China) to be the next Chairperson, who shall serve the Committee during the tenure of his membership of this Committee. Dr. Gao has accepted the offer.
 - 4.3 The membership provisions as included in Annex 2 (Agenda of PCSPOA, Sacramento, page A-27) are being generally followed presently. This annex gives a compendium of provisions for membership, tenure of workbodies, etc.
-

4.4 The following memberships were accepted:

African Regional Working Group (AFRWG)

Dr. Sizwe Mkhize (South Africa), was elected as Chair of the AFRWG
Dr. Adama Sangare (Mali)

European Regional Working Group (ERWG)

Dr. Pol Hakstege (The Netherlands) in place of Dr. Robert Brouwer
Dr. Irina G. Pankova (Russia) in place of Dr. E.P. Gusenkov
Mr. Claud-Alain Vuiller (Switzerland)

Asian Regional Working Group (ASRWG)

Dr. Kim Tai-Cheol (Korea) was elected as Vice Chair and Mr. Anthony J. Horton (Australia) as Secretary.
Mr. Mohd. Abdul Nassir bin Bidin (Malaysia) in place of Ir. Mohd. Azhari bin Ghazalli

Committee on Congresses/Conferences (C-CONGR)

Mr. Felix B. Reinders (South Africa)

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

Dr. Lee Kwang-Ya (Korea) in place of Mr. Jong Min Park

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

Engr. I.K. Musa (Nigeria) was proposed to chair the ST-LCB in place of Engr. Bukar Wakil (Nigeria).
Mr. Dominique Durlin (IPTRID) as Permanent Observer

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

Mr. L. Makonnen (Ethiopia)

Item 5 : New member countries and Membership Drive

The meeting deliberated and noted the following:

- 5.1 The National Committees of Azerbaijan, Burkina Faso, Chad, Mauritius, Mongolia, Niger, Sao Tome & Principe, Turkmenistan and Yemen whose membership applications had been accepted by the IEC in the past were requested by the Central Office to pay their first subscription to effect their membership formally. Response from them is still awaited.
- 5.2 Various countries in different regions that were approached to join ICID membership are as follows:

Africa: Cameroon, Guinea, Mauritania, Swaziland and Togo.

Americas: Bolivia, Costa Rica, El-Salvador, Guatemala, Haiti, Nicaragua, Paraguay, Puerto Rico, Trinidad & Tobago and Uruguay.

Asia and Oceania: Afghanistan, Cambodia, Democratic People's Republic of Korea (North Korea) and Lao PDR

Europe: Albania, Belarus, Bosnia and Herzegovina, and Moldova.

The Central Office has provided to them all the desired information required for the membership. Formal membership application has been received from Uruguay which will be placed before IEC for consideration. Albania has also shown interest in becoming a member of ICID. SG also had a contact with Afghanistan

Item 6 : Active National Committees and reactivation of inactive NCs

The SG reported on the participating country matrix.

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

The Central Office continues to interact with inactive countries to reactivate their membership with ICID. Denmark and New Zealand have shown some interest in reactivating their membership. Currently there are 61 active member countries and 9 potential reactivations. Bangladesh has paid their arrears to become an active member of ICID. There are countries such as Greece who pay membership subscriptions but do not participate in ICID events. It is important to demonstrate to them the benefits of ICID membership. The States derived from the former Yugoslavia want recognition as “founders” of ICID.

Ms. Nepveu, IFAD representative, mentioned the possibility of working together at country level to reactivate NCs by mobilizing their expertise in IFAD field activities.

The Chairman reported that the Internal Review listed some steps which could be taken to encourage reactivation and suggested that “targets” for reactivation may be set. This idea was discussed but no conclusion was reached. VP Lübbe indicated that it was becoming increasingly difficult for some European countries to support NGOs. The SG commented that goal was to have participation of government and non-government participants in all NCs (through broadbasing). This is happening in some countries such as China and Pakistan. This broadens the support base for ICID participation.

Item 7 : Vice Presidents’ reports on their efforts to strengthen regional cooperation and activity of NCs

The Committee took note of the improved regional and inter-regional cooperation amongst and between NCs such as the regional cooperation between the NCs of Finland and Estonia in jointly organizing the 10th IDW in 2008 and the MoU signed between the NCs of Iran and Indonesia during the 57th IEC meeting at Kuala Lumpur in 2006.

The Committee considered the report of VP Guluyk as detailed in the Agenda notes on his activities among the NCs in the regions allocated to him. He sent various documents to the Prime Minister of Belarus for ICID membership and gave an all-out support to the RuCID for a proposal to host the 62nd IEC and 21st Congress of ICID in Moscow in 2011.

The meeting received the reports of the following VPs who presented reports on their activities in the countries of their regions.

VP Lubbe reported on the European region. An Estonian group came to Germany to look at water management in Northern Germany which was very useful in establishing a relationship between the two.

VP Karim Shiati reported that Iran was proposing to host the IEC meeting in 2011. Iran also hosted a regional conference in May of this year.

VP Huh attended several regional meetings associating INPIM, FAO, etc. A drainage workshop will take place in Korea next November.

VP Gao reported that he contacted several East Asian countries. India, Pakistan, China attended a meeting. Pakistan highlighted the coming Congress. The Indian National Committee is organizing a regional conference in 2009. He also held separate meetings with NCs during IEC meeting. CNCID is working on a project with FAO on Rapid Appraisal of Large Irrigation Districts that could be of use for other Asian countries.

VP Reinders reported that he mobilized 14 SADC countries to attend a February 2007 meeting on small holder irrigation system water management, which combined elements of training and sharing of experience. An MoU under preparation between SADC countries to increase their participation in SARIA and ICID, should be finalized at the 2nd Regional African Conference. He attended a SANCID conference in 2006 and delivered a dinner speech on ICID. He also made a keynote address to a combined congress on horticulture explaining ICID. He visited Mozambique and Botswana, encouraging them to join ICID.

VP Azhari bin Ghazalli reported that Malaysia and Thailand have agreed to hold joint meetings. Malaysia and Indonesia have also agreed on joint meetings. They have also discussed 4 party meetings involving Malaysia, Thailand, Indonesia, and Australia. One issue to be discussed is about the involvement of young professionals in ICID activities. He is planning to focus his activities on Vietnam and Southeast Asia. VP Shiati will work with Sri Lanka and Saudi. Arabia. He is also exploring contacts with New Zealand.

VP Svendsen reported that he was involved with organizing the IEC meeting and Conference in Sacramento. He also visited the Central Office in New Delhi, interacting with the Secretary General and others and giving a lecture on climate change at the Central Board of Irrigation and Power. He interacted with Dr Shaikh and the Pakistan NC on the Lahore Congress and with VP El-Atfy on the WatSave WG.

Item 8 : Priority issues for Least Developed Countries (LDCs) and Task Forces

(a) Task Force for Asian LDCs (TF-LDCsAS)

Dr. Taniyama reported on the TF for LDCs in Asia. He submitted an extensive report and described the objectives, membership, process, and conclusions. Only 5 countries of 50 LDCs world-wide are members of ICID; viz., Bangladesh, Myanmar, Nepal, Ethiopia, and Zambia. The main reasons for not joining ICID are financial difficulties and underestimation of the advantages to be derived from ICID.

He identified a set of priority issues in LDCs.

Participatory management of irrigation and drainage

- Development of small and simple facilities
- Establishment of legal systems and financial support by government and donors
- Transfer of O&M skills to farmers' organizations
- Conservation and allocation of adequate amounts of water for development

ICID Measures to encourage participation in ICID activities

- Support LDCs in establishing their NCs and support them with information resources regardless of membership status
 - Facilitate participation of more LDCs through
 - Associate membership
 - Partly exempting LDCs from conference fees
 - Regional conferences should provide a share of conference revenue to ICID
 - Selecting attractive themes for regional conferences of interest to LDCs
 - New workbody with members from Asia, Africa, International Organizations, and LDCs
 - New workbody to report to PCSPOA
 - Publish hard copy version of edited TF-LDCsAS documents in required number of copies. The NCs of Australia, Japan and Iran have agreed to support publication costs, with Chinese Taipei and Korea also considering it. Bring out these publications during the coming year.
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(b) Task Force for African LDCs (TF-LDCsAF)

VPH Musa reported on the African LDCs TF activities. They are planning to use the regional FAO office to conduct a review of relevant literature. He pointed out that the bulk of LDCs are in Africa and that their situation is precarious. SANCID is to sponsor participation by country report presenters at the Regional Conference in Johannesburg. They are targeting Sudan, Ethiopia, Niger, and CAR for payment of dues. The TF is planning to complete its work in Lahore and then synthesize with the Asian LDCs report.

Item 9 : Strengthening and Broadbasing of NCs, Evolving/Revising Constitution of NCs

The Central Office had in its record the Constitutions of 44 National Committees. Rest of the NCs have been exhorted to send a copy of their Constitutions to the Central Office and inform about modifications to them, if any.

B. REVIEW OF TENURES AND ACTIVITIES OF WORKBODIES**Item 10 : New Workbodies**

The recommendation of the Committee on Public Relations and Publications (C-PR&P) to split into two workbodies was not retained by the MB, hence no change will occur.

Item 11 : African Regional Working Group (AFRWG)

VPH Musa reported on activities in the African Region during the year (see minutes of AFRWG meeting for details). AFRWG supports the appeal of KENCID to PFC and PCSPOA for ICID to waive arrears, but first encourages to resume activities and pay 2007 subscription. VPH Musa emphasized the need for Africa to be present in WWF5 with emphasis on Climate Change effects on Food Security in Africa.

PCSPOA thanked VPH Musa who ended his mandate as AFRWG Chair.

Item 12 : European Regional Working Group (ERWG)

VP Eiko Lubbe reported on the activities in the European Region during the year (see minutes of ERWG meeting for details). The Ukraine NC proposed to hold a regional meeting in Lviv. The Chair suggested that the Ukraine NC should pass on the request to the Central Office to be considered in the IEC meeting on 5 October.

Item 13 : Asian Regional Working Group (ASRWG)

VP Shiati reported on the activities in the Asian Region during the year (see minutes of ASRWG meeting for details). In addition to the minutes, the WG decided to constitute a regional task force on climate change and irrigation. VP Svendsen reported that VP Shiati and he had interacted on this and indicated that WG-Climate was planning a workshop in Lahore next year that could integrate the results of the various regional task forces. VP Shiati gave a brief PowerPoint presentation on the PIM Conference held in Tehran in May, attended by about 900 participants. Its Proceedings are available on www.pim2007.org.

Item 14 : American Regional Working Group (AMRWG)

No report was presented at the meeting.

Item 15 : Special Work Team on Aral Sea Basin (ST-ARAL)

No report was available.

Item 16 : Committee on Congresses/Conferences (C-CONGR)

VP Reinders reported on the outcomes of the Committee discussions. Chairman, PCSPOA, VPH Vidal proposed that a member of the organizing committee of each regional conference held during the two previous years, and similarly for the two subsequent years, be members of C-CONGR on a rolling basis.

PCSPOA recommended that PANCID reassure NCs on security conditions in Lahore, and raised a point of concern for Abuja, even though a brief proposal note was given to Chair during PCSPOA meeting.

Item 17 : Working Group on Young Irrigation Professionals Forum (WG-YPF)

Dr. Sanjay Belsare (India) reported on the results of the WG meeting (see minutes of WG-YPF for details). The Group experienced quite a low attendance. Efforts are still needed to increase YP participation in ICID WBs. Chair reminded the need for YPs themselves to volunteer to their NCs for participation in WBs. However YPs have been well attending regional conferences (Tehran, Frankfurt (Oder)).

Item 18 : Special Work Team on Lake Chad Basin (ST-LCB)

Eng. Boubakari Mana (LCBC) reported on the deliberations at the ST meeting (see minutes of ST-LCB for details).

Item 19 : Task Force to Guide ICID Inputs to WWF-5

The Chairman indicated that the members will receive a briefing on this during the IEC meeting on Friday, 5 October.

Item 20 : Any other business

Having no other business, the Chairman VPH Dr. Vidal concluded the meeting at 3:30 p.m., and was thanked by PCSPOA for his one-year chairing of the Committee.

MINUTES OF THE THIRTEENTH MEETING OF THE
WORKING GROUP ON YOUNG IRRIGATION
PROFESSIONALS FORUM (WG-YPF)
Sacramento, USA
30 September 2007: 09.00-12.00 hours

Year of Establishment: 1993

Members Present : (1) Mr. Ali Reza Salamat, Chairman (Iran) represented by Mr. Hassan Shantia; (2) Dr. Sanjay Belsare, Vice Chairman, (India); (3) Mr. Jong Min Park represented by Mr. Wook-Jong Ju; (4) Dr. Ir. Maurits Ertsen (The Netherlands); (5) Ms. Jianxin Mu (China) represented by Dr. Gao Zhanyi, Vice President, ICID; (6) Mr. Bennie Grove (South Africa) represented by Ms. Norah Nape; (7) Mr. Hidekazu Tagashira (Japan) represented by Dr. Takanori Nagano; (8) Engr. Qazi Tallat Mahmood Siddiqui (Pakistan) represented by Dr. Illahi B. Shaikh; and (9) Mr. Velayudan, Sv., Kalaiselvam (Malaysia).

Observers : (1) Mr. Hiroshi Ikevra (Japan); (2) Mr. Kyoung Soo Kim (Korea); (3) Dr. Sizwe Mhkize (South Africa); (4) Mr. Kim Russell (Australia); (5) Mr. Mushtaq Chaudhry (Pakistan)

As the Chairman could not be present at the meeting, Dr. Ir. Maurits Ertsen (The Netherlands) chaired the meeting in his absence.

Item 1 : Confirmation of the minutes of the 12th meeting of the WG-YPF held on 11 September 2006 in Kuala Lumpur, Malaysia

There were no comments on the minutes of the 12th WG-YPF meeting. The minutes were confirmed.

Item 2 : Tenure of the Working Group

As there are incomplete and pending activities that are to be worked out and accomplished during the coming years, it was decided to extend the tenure of the Working Group.

Item 3 : Review of the membership of the Working Group

The Korean National Committee of ICID nominated Dr. Lee Kwang-Ya in place of Mr. Jong Min Park. His nomination for membership was accepted in the meeting.

The National Committees of ICID, namely Russia and Kazakhstan have nominated Mr. Pavel Svirkin (*in place of Dr. Nariman Shamsutdinov*) and Ms. Kartabayeva Irina Anatolyevna respectively for membership for WG-YPF. The nominations were deferred in the meeting as both of them were absent and decided to consider their nominations in the next meeting scheduled at Lahore in 2008.

While deliberating the matter related to nominations for membership from other National Committees (NCs), it was decided to make a fresh request to those NCs who have not nominated for membership consideration in WG-YPF.

The WG-YPF welcomed the new member from Korea.

A. CONTINUING ITEMS

Item 4 : Review of the progress made by the National Committees in establishing Young Professionals Forum (YPF)

23 National Committees have so far established their Young Professional Forums (YPFs).

Based on decision of the WG-YPF in its 12th meeting, the Central Office and Chairman, WG-YPF approached the active NCs of Canada, Pakistan, Nigeria and Russia for establishing their YPF within their NCs. The Pakistan

National Committee intimated that the modalities for establishing YPF and related By-laws are being finalized and would be presented in the 13th meeting of the WG-YPF. However, no further developments were reported during the time of the meeting.

Item 5 : Review of the progress on preparation of a directory of Young Professionals

In the 12th meeting, the Chairman indicated that Mr. Belsare from India, Mr. Bennie Grove from South Africa and Mr. Hidekazu Tagashira from Japan are in the job of compiling the YPF Directories of their own regions and would be sent to ICID with a copy to the Chair upon finalization.

As reported in the 12th meeting, Mr. Bennie Grove; Mr. Hidekazu Tagashira and Dr. Sanjay Belsare submitted their YPF Directories. In addition to this, during the time of 13th meeting, French National Committee of ICID (AFEID) also submitted their YPF directory through Ms. Nepveu de Villemarceau au Audrey.

The YPF directories will be uploaded on the YPF website.

Item 6 : Establishment of a Network of Young Professionals through development of a web-based platform

The WG-YPF established its own website: www.wg-yfp.icidonline.org. The Chairman requested the current and new members to update the Chair with their contacts for updation.

Expanding the YPF Network was further initiated through creation of a web-based platform with the help of Dr. Ir. Maurits Ertzen (The Netherlands). Dr. Ertzen pointed out that the main purpose of developing this facility is to have an international platform for young irrigation and drainage professionals for acquisitions and wider dissemination of knowledge and information about irrigation, drainage, flood control and environment.

Dr. Ertzen during the 13th meeting informed the WG-YPF that he had spoken with Delft University Library in order to develop the procedures, which are to be followed while establishing the web-based platform. The concept of the platform will be developed within the Irrigation and Drainage course of Delft University of Technology under the responsibility of Dr. Ertzen. Members of the WG-YPF will be invited to join the platform during the course period for their comments on the work being carried out by the students. Based on the experience gained through the first proposed trial, the platform will be developed further and kept ready for launch officially during the 59th IEC and 20th International ICID Congress scheduled at Lahore in Pakistan in 2008.

The WG-YPF members discussed options to use the platform for establishment of contacts of members and publishing of various works of its members. Options for a book presenting overviews of activities being performed in ICID member countries and a special issue of the ICID Journal were also deliberated. Furthermore, the consideration on the possibility of using the platform to encourage WG-YPF members in participating in ICID conferences was also welcomed.

Item 7 : How to activate YPF

During the 12th meeting held in Kuala Lumpur, Malaysia it was proposed to involve young professionals in other Working Groups of ICID and the procedure was defined.

The WG-YPF in its 13th meeting reported that the matter regarding activation of WG-YPF needs further attention and follow up actions from the Central Office with NCs of ICID, as the progress achieved so far in this regard was not upto the expectations.

Item 8 : Time-targeted plan of the Group activities

Members of the WG were invited to update the Chair with their new proposals, if any, which are to be considered as new activities in the WG-YPF targeted plan.

No new proposals have been received in this connection.

Item 9 : Translation of outcomes of various current activities

In the 12th meeting, the members were encouraged to send a copy of their publications to the Central Office to be kept in ICID archive. The members were invited to provide feedback on the progress made since last year. Accordingly, Mr. Velayudan, Sv, Kalaiselvam from Malaysia for the Malaysian YPF and Mr. Hassan Shantia from Iran for the Iranian YPF supplied respective details.

During the 13th meeting, Dr. Takanori Nagano from Japan presented an overview of the activities carried out by the Japanese YPF during the last year 2006-2007.

Item 10 : Greater efforts by YPF members to evolve a permanent mechanism in their countries for encouraging the potential authors to prepare and submit papers for ICID Journal

The members of the Working Group were invited to prepare and send their papers to be published in the Journal, which is now being published by M/s John Wiley & Co.

In the 13th meeting, the members were once again requested to publicize the news regarding publication of papers in ICID Journal within their NCs and related organizations and provide their feedback on progress made.

Item 11 : Registration of YPF members on YPF website (YPF Group)

In the YPF website, there exists a link, through which all YPF members can register and will enable each one to share their knowledge and information. 700 young professionals have so far registered through this link.

The Chairman requested to take further initiative in the process to activate the facility and its usages.

Item 12 : Action required for increasing the issues of the YPF Newsletter

The members of the Working Group were invited to provide information related to their National Committee's activities and achievements (along with photos) to be included in the forthcoming issues of YPF annual Newsletters of the WG-YPF. Mr. Kalaiselvam from Malaysian National Committee sent news related to the World Water Day Conference held in Kuala Lumpur, Malaysia, 15-16 April 2007.

During the 13th meeting, the Japanese representative Dr. Takanori Nagano was asked to provide details on the Japanese activities of YPF.

Item 13 : YPF's participation in the 4th Asian Regional Conference and 10th International Seminar on Participatory Irrigation Management (PIM) in Tehran, Iran, May, 2007

Several Young Professionals from India, Holland, Pakistan, Japan, Korea, USA, Malaysia, China, etc. attended the 4th Asian Regional Conference. Various papers on different sub-themes related to the Conference were presented by the young professionals. A technical tour to Qazvin Irrigation and Drainage Networks and site seeing tours to the North of Tehran as well as Yazd - a historical city famous for its Qanats (historic hydraulic Structures) were arranged by Iranian National Committee on Irrigation and Drainage of ICID (IRNCID).

Item 14 : YPF's proposal on articles that could be published in grid magazine of IPTRID

During the 12th meeting of WG-YPF, IPTRID representative briefed the participants on IPTRID's publication, namely, "Grid" Magazine of IPTRID and also invited the attendees to send their abstracts to IPTRID so that those could be published in the magazine.

No progress on this issue had been reported in the meeting.

Item 15 : Encouragement for participation of Young Professionals in WatSave Awards

During the 12th meeting, discussions were held on the ICID instituted WatSave Awards in general and precisely on ICID Young Professionals Award.

WG-YPF members were requested to provide brief information on the results and achievements of their researches on water saving techniques, devices, etc. to the Central Office through their NCs to have its adequate consideration, recognition, coverage and dissemination through the ICID News Updates, Newsletter, Annual Report and website (www.icid.org).

Item 16 : Any other business

Dr. Illahi B. Shaikh, Chairman of PANCID expressed the possibility of organization of a workshop by WG-YPF as an allied event in conjunction with the 59th IEC and 20th International Congress of ICID scheduled at Lahore in Pakistan in 2008.

All supported the views extended by Dr. Illahi B. Shaikh and unanimously agreed and mentioned that the proposed event would provided a good opportunity to build up further initiatives of YPF. It was recommended to make necessary communication with the ICID Central Office for inclusion of the YPF-workshop in the program of the 2008 Lahore Congress and to select a theme for the workshop in line with the themes of the ICID Congress and main activities of the WG-YPF.

Dr. Nagano from Japan brought his Research Institute for Humanity and Nature under attention.

Mr. Kim Russell from ANCID presented the Official Journal of the Irrigation Association of Australia.

As there were no other matters for consideration, the meeting ended with vote of thanks to the Chair.

**MINUTES OF THE FOURTH MEETING OF THE
AMERICAN REGIONAL WORKING GROUP (AMRWG)
Sacramento, USA
30 September 2007 : 09.00-12.00 hours**

Year of Establishment: 2003

Meeting was not held.

MINUTES OF THE EIGHTEENTH MEETING OF THE
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)
Sacramento, USA
30 September 2007: 14.00-17.00 hours

Year of Establishment: 1990

Members present: (1) Engr. Dr. Illahi B. Shaikh (Pakistan), Convener; (2) Dr. Gao Zhanyi (China); (3) Ir. Mohd. Azhari bin Ghazalli (Malaysia); (4) Mr. Bert Clemmens represented Dr. Larry Stephens (USA) (5) Dr. Ezzatollah Farhadi, Iranian representative; (6) Dr. Felix Reinders (South Africa); (7) Dr. Hafied Gany, Indonesian representative; and (7) Dr. Dubenok Nikolay, Russian representative.

C-CONGR Website : <<http://www.c-congr.icidonline.org>>.

Item 1 : Confirmation of minutes of the 17th meeting of the C-CONGR

The minutes of the 17th meeting held at Kuala Lumpur (2006) Malaysia were accepted without any amendments.

Item 2 : Membership of the Committee

There was no representation from Nigerian National Committee (NINCID) and Italian national Committee (ITAL-ICID) at the meeting. The Central Office may correspond with these National Committees to get their representatives and possible co-operation.

Item 3 : Review the Preparations of the 20th ICID Congress and 59th IEC Meeting (2008) at Lahore, Pakistan

The 20th ICID Congress website <<http://www.icid2008.org>> has been established (January 2007) by the Pakistan National Committee on Irrigation and Drainage (PANCID). The Organizing Committees of the 20th ICID Congress have been established in the host country.

The Central Office has supplied the '*Guidelines for Organizing ICID Congress*' to PANCID (**Annex 1**). PANCID has already set the process rolling. The preparations have been reviewed in light of these guidelines to ensure a successful Congress (**Annex 2**).

The Convener informed that the submission of abstracts for the 20th ICID Congress has been extended to the end of November 2007. The PANCID invites all National Committees and all others to Lahore for the event. Dr. Shaikh emphasized and assured that Lahore, a historical city, is extremely peaceful while people are kind and hospitable.

Item 4 : Review and discuss the preliminary plans for 60th IEC meeting

The representative from Nigerian National Committee was not present to apprise the Committee about the status of preparation and detail planning of the 60th IEC meetings to be held in 2009 at Abuja, Nigeria.

Item 5 : Review and discuss the preliminary plans for 61st IEC meeting

The 61st IEC meeting will be held along side the 6th Asian Regional Conference during 5-11 September 2010 at Sheraton in Jogjakarta, Indonesia.

Item 6 : Regional Events

6.1 Feedback of the 4th Asian Regional Conference (2007) at Tehran, Iran

The International Commission on Irrigation and Drainage (ICID) and the International Network on Participatory Irrigation Management (INPIM) jointly organized the 4th Asian Regional Conference and the

10th International Seminar on 'Participatory Irrigation Management (PIM)' during May 2-5 May 2007 in Tehran, Iran.

This joint international event was successfully organized and hosted by the Iranian National Committee on Irrigation and Drainage (IRNCID). A total of 900 participants from 40 countries attended the event where 110 full length papers were presented.

6.2 Feedback of the 22nd European Regional Conference (2007) at Pavia, Italy

The 22nd European Regional Conference (ERC) of ICID was organized during 02-06 September 2007 at the historical city of Pavia, located in Northern Italy. The Italian National Committee of ICID (ITAL-ICID) organized this event in cooperation with the Agriculture General Direction and the Ministry of Agriculture and Forestry Policies, Italy.

The representative from Italian National Committee was not present to apprise the Committee on the feedback of the event held.

6.3 Review preparations for the 2nd African Regional Conference (2007) in South Africa

Mr. Felix B. Reinders, Vice President of ICID and Chair of the Local Organizing Committee of the ICID 2nd African Regional Conference apprised the committee on the progress of the conference. The conference will take place from 6-9 November 2007 at Johannesburg, South Africa. The theme is "Contribution of Rainfed and Irrigated Agriculture to Poverty Alleviation through Increased Productivity in Africa". Everyone is invited and they can register on-line at <www.sancid.org.za>

6.4 Review preparations for the 5th Asian Regional Conference (2009) in India

The representative from Indian National Committee was not present to apprise the Committee about the status of preparation and detail planning of the 5th Asian Regional Conference to be held in December 2009 at New Delhi, India.

6.5 Review preparations for the 6th Asian Regional Conference (2010) in Indonesia

The representative from Indonesian National Committee of ICID (INACID) apprised the Committee on the conference. The conference will be held during 5-11 September, 2010 at Sheraton in Yogyakarta, Indonesia. The suggested theme is "Improvement of Irrigation and Drainage Efficiency under the Small Land Holding Condition". The 1st announcement will be circulated during the ICID Congress at Lahore, Pakistan in 2008.

Item 7 : Website of C-CONGR

The Central Office has been inviting news briefs on ICID events from National Organizing Committees for placing on webpage of C-CONGR. Pakistan National Committee on Irrigation and Drainage (PANCID) has established the 20th ICID Congress website <<http://www.icid2008.org>>. Information on Programme, Call for Papers, Venue, Registration, Exhibition, Organization, Accommodation, Tours, Site Map and contact address is available at the website. Information on various events of the Congress is being regularly updated by PANCID.

The information on 2nd African Regional Conference (2007) in South Africa is available at <www.sancid.org.za>

The National Committees of Nigeria, India and Indonesia are requested to provide information on the coming conferences to be organized by them for webpage of C-CONGR.

Item 8 : Any other business

- **Ways and means to reduce Congress expense**

It was decided to postpone the discussion to next meeting as no details were made available. Central Office may provide the committee with details and breakdowns on the expenditure pattern of past congresses and conferences to work on.

COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**Guidelines for Organizing ICID Congress (Draft)**

1. ICID Congress is held once in every three years. It is held simultaneously with an IEC meeting. The National Committee that intends to invite an ICID Congress should keep communication with ICID Central Office for getting information on “offer for inviting ICID Congress”. Usually, it should be done at least four years before the date of the Congress.
 2. The National Committee should get and complete the proforma for inviting an ICID Congress and send it to the ICID Central Office. The ICID Central Office includes the applications received in the agenda of next IEC Meeting of ICID for discussion. The decision on selection of hosting National Committee for ICID Congress is made in the IEC meeting.
 3. The inviting National Committees should prepare a booklet of invitation and disseminate the invitation in the IEC meeting. The content of invitation booklet should include letter of invitation from the Chairman of National Committee; history and culture of the country; social, economic, climate and tourist information of the country; brief introduction of the hosting city etc. The inviting National Committee may be invited to make a presentation in the IEC meeting to address its conditions and advantages to host the ICID Congress.
 4. After IEC offers a National Committee to host the ICID Congress, the hosting National Committee should prepare three announcements for the Congress over a period. The announcements should be prepared in both English and French.
 5. The first announcement should be disseminated during the immediate next IEC meeting. The contents of the first announcement should include:
 - *Venues of IEC Meetings and Congresses, Brief introduction of ICID, Member countries and Year of Joining ICID, letter of invitation from the President of ICID, letter of invitation from the Chairperson of the Congress Organizing Committee, letter of invitation from the Chairman of Host National Committee, important dates to remember, the questions and topics of the Congress, Program outline, Study tour information, Congress Preparatory (Organizing) Committee and preliminary registration form. A logo should be designed for the Congress.*
 6. After disseminating the First Announcement, the hosting National Committee should cooperate closely with ICID Central Office to develop the Congress Theme and Scope of Congress Topics. The Second Announcement should be disseminated two years prior to the Congress. Apart from the updated information in the First Announcement, the Second Announcement should include :
 - *Call for Papers, Guidelines to authors for preparation of papers accepted by Special Committee, Guidelines to authors for preparing electronic and hard copies, guidelines for preparing abstracts and “summaries and conclusions” of papers for ICID Congresses, proforma to be completed by authors while submitting detailed “summary and conclusions” of proposed paper, and accommodation information.*
 7. ICID Central Office appoints General Reporters and Panel Experts for Questions and Special Session to review and select papers.
 8. The Third (final) Announcement should be disseminated one year prior to the Congress. The contents of the Final Announcement should include:
 - *Member countries and Year of Joining, Logo of the Congress, Brief introduction of ICID, Letter of invitation from the President of ICID, Letter of invitation from the Chairperson of the Congress Organizing Committee, Letter of Invitation from the Chairperson of Hosting National Committee, List of National Organizing Committee Members, Venues of IEC Meeting and Congress, Key dates, Congress Theme and Scope of Congress Topics, Special Session and Seminars, Lists of General Reporter and Panel of Experts for Questions, Schedule of Preliminary Program,*
 - *Exhibition information, Detailed Itinerary of Study Tours, Detailed Information on Accommodation, Information on Weather, Currency and Banking, Voltage and Power Supply, Registration Form and Other information as considered relevant for visiting the host country.*
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9. The host National Committee should report progress on the preparation of the Congress at IEC meetings. The hosting National Committee should work out a budget for organizing the Congress and propose standards for registration fees collection. The registration fee for Young Professionals (less than 40 years old) should be reduced by 50%.
 10. The Congress website should be setup three years before the Congress, all kinds of related information should be uploaded on the website and updated regularly. Both online registration and regular registration should be invited and information placed on the ICID website.
 11. Exhibition and National Committee Display need to be arranged. The invitations to exhibitors and National Committee should be widely disseminated.
 12. By keeping, close contact with the ICID Central Office, the final detailed programme should be edited and completed two months before the Congress.
 13. It is recommended that the host National Committee prepare materials to introduce the history and current status related to irrigation, drainage and flood management of the country in English.
 14. The meeting rooms should be well prepared to satisfy the needs of different meetings and offices.
 - The hall capacity for Opening and Closing Ceremony should be for 1000-1500 persons.
 - The hall Capacity for IEC meeting should be for 300 persons.
 - The meeting room capacity for other sessions should be for 50-150 persons.
 - It is necessary to check with ICID Central Office and the Chairpersons of each session to confirm the requirements.
 - The meeting room capacity for ICID Working Groups is 40 - 60 persons.
 - Separate rooms/offices are required for the President of ICID, Secretary General of ICID, Secretariat of ICID, President of National Committee, Secretariat of National Committee, VIP room, computer room for authors / presenters; computer room with internet access for delegates, accompanying person's room, first-aid/medical room etc.
 15. The Multimedia equipments should be well prepared to satisfy the needs of different meetings. The main equipments include computers, projectors and simultaneous translation facilities. The facilities for internet access need to be provided in the Venue.
 16. Delegate satchel needs to be prepared for registered delegates and invited persons; the contents in the satchel include notebook, pen, CD (abstract), gift, detailed programme, name card (badge), etc.
 17. One to two welcome receptions and farewell banquet should be arranged by hosting National Committee considering special diet requirements. Coffee/Tea and some snacks need to be served during Coffee/Tea breaks in the morning and afternoon. The arrangement for working lunch is optional.
 18. National Organizing Committee should assist other National Committees who desire to host a reception or introduce a session for future ICID events.
 19. The National Organizing Committee should assist the delegates in making reservations for travel and accommodation.
 20. Study tours should be arranged for delegates by combining site seeing with technical visits. Special local tours should be arranged for accompanying persons.
 21. The National Organizing Committee should appoint persons to answer the various questions from participants, National Committees, ICID Central Office and other International Organizations.
 22. There is always scope for improvement. The National Organizing Committee can do much more than above to make the event a grand success.
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**20TH ICID CONGRESS
LAHORE, PAKISTAN, 2008**

The preparations have been reviewed in view of the Congress guidelines at Annex 1.

S. No.	The Activity	Provision as per Guidelines	Progress	Remarks
1.	Third (Final) announcement	Para 8	Due in September 2007	?
2.	Progress report	Para 9	To be reported in September 2007	?
3.	Congress website	Para 10	Website established in January 2007	?
4.	Exhibition and NC display	Para 11	Nil	?
5.	Programme	Para 12	Nil	
6.	History on I&D of host country	Para 13	Nil	
7.	Meeting Rooms	Para 14	Future actions.	
8.	Multimedia equipments	Para 15		
9.	Delegate satchel, reception and farewell banquets, assist other NCs for hosting receptions, making reservations for travel and accommodation, study tours.	Para 16, 17, 18, 19 and 20		

MINUTES OF THE FOURTEENTH MEETING OF THE
ASIAN REGIONAL WORKING GROUP (ASRWG)
Sacramento, USA
30 September 2007 : 14.00-17.00 hours

Year of Establishment: 1996

Members Present : (1) Vice President Dr. Karim Shiati, Chairman (Iran); (2) Vice President Mohd. Azhari Ghazali, Secretary (Malaysia) represented by Mr. Mohd Abdul Nassir bin Bidin; (3) Mr. Anthony J. Horton (Australia); (4) Mr. Waseem Nazir (Pakistan); (5) Mr. Kuo, Sheng-Feng (Chinese Taipei); (6) Mr. Sastrodihardjo Siswoko (Indonesia) represented by Dr. A. Hafied A. Gany; (7) Dr. Kim, Tai-Cheol (Korea); (8) Mr. Shinsuke Ota (Japan) and (9) Er. M. Gopalakrishnan, Secretary General, ICID.

Member Honoraire: (i) Datuk Ir. Hj. Keizrul bin Abdullah, President Hon., ICID (Malaysia); (ii) Dr. S. Taniyama, Vice President Hon., ICID (Japan); and (iii) Dr. Huh YooMan, Vice President Hon., ICID (Korea)

Observers: (i) Mr. S.V. Kalaiselvam Velayuden (Malaysia); (ii) Mr. Daixin Li (China); (iii) Dr. Chuang, Kuang-Ming (Chinese Taipei); (iv) Prof. Dr. N. Hatcho (Japan); (v) Mr. Yowg-Jig Lee (Korea); (vi) Dr. Na, Jeong-Woo (Korea); (vii) Mr. Bong-Hoon, Lee (Korea); and (viii) Mr. Jong-Wan, Lim (Korea).

Vice President Dr. Karim Shiati, Chairman, ASRWG opened the meeting with thanks to the former Chair, VPH Dr. S. Taniyama and outgoing Secretary, Vice President Mohd. Azhari bin Ghazali for their contributions to the Working Group. He sought nominations for Vice Chairman and Dr. Kim Tai-Cheol (Korea) was duly elected. VP Shiati requested Mr. Anthony J. Horton (Australia) to take over the role of Secretary, ASRWG from VP Mohd. Azhari bin Ghazali. This was duly supported and accepted by the Group Members.

Item 1 : Confirmation of the minutes of the 13th meeting of ASRWG held on 10 September 2006 in Kuala Lumpur, Malaysia

Minutes of the 13th meeting held at Kuala Lumpur were circulated. As no comments were received, the minutes were confirmed as it was during the 14th meeting.

Item 2 : Membership of the Working Group

Members who were neither present nor contributed through correspondence for the last three consecutive years (2005, 2006 and 2007) are:

- Mr. Khem Raj Sharma (Nepal)
- Dr. Siripong Hungspreug (Thailand) and
- Mr. Bakhodyr M. Yusupov (Uzbekistan)

It was decided to take up the matter with the corresponding National Committees (NCs).

The following three nominations received were considered:

- Mr. Hanen Itzkovitch (Israel)
- Engr. H.M. Jayatillake (Sri Lanka)
- Mr. Mohd. Abdul Nassir bin Bidin (Malaysia) in place of VP Mohd. Azhari bin Ghazali

As Mr. Itzkovitch and Engr. Jayatillake were absent in the meeting, their nominations were not accepted and deferred.

The nomination of Mr. Mohd Abdul Nassir bin Bidin (Malaysia) who was present and introduced, was accepted. The ASRWG welcomed the new member Mr. Nassir bin Bidin.

A. CONTINUING ITEMS

Item 3 : To discuss future Work Plan

The ASRWG has the following 3 tasks in its 3-year rolling plan:

1. Encourage Neighbouring Countries to join ICID
2. Finalize theme and topics of 5th Regional Conference in 2009
3. Revise the work plan of ASRWG at 58th IEC.

1. Encourage Neighbouring Countries to join in ICID

VP Shiati outlined his efforts in making contact with a number of neighbouring countries. He intimated that the materials supplied by the Central Office, ICID were useful but found it difficult to contact the appropriate agency in the targeted neighbouring countries.

Suggestions were sought on how to make best efforts to contact with neighbouring countries. It was mentioned that there is a need to continue with further follow-up actions and sending an invitation to join in ICID especially to North Korea in accordance with the previous indications of their desire to join in ICID. The representative of the Pakistan National Committee has agreed to take follow up actions in the matter provided the Central Office should send an invitation to North Korea to join in ICID activities.

For Task 2 and Task 3 refer under Agenda Items 15 and 18 respectively.

Item 4 : To review and implement the recommendations of the 2nd Asian Regional Conference, Echuca / Moama, Australia, March 2004

Mr. Tony Horton tabled 10 hard copies of the Abstracts of the 2nd Asian Regional Conference and 30 copies of the full Proceeding on CDs for dissemination amongst ICID members.

Item 5 : 3rd Asian Regional Conference

VP Azhari Ghazali reported on the outcomes of the 3rd Asian Regional Conference. The outcomes have also been given in the 58th IEC Agenda and are also reported in the book on "*History of Irrigation in Malaysia*". Two copies of the book were presented to ASRWG for information.

Item 6 : 4th Asian Regional Conference

VP Shiati presented a detailed report on the 4th ARC held from 2–5 May 2007 in Tehran. 205 Abstracts were received, out of which 110 full papers were presented. Over 900 delegates (*a record for ICID*) from more than 40 countries participated in a Regional Conference. More than 30 companies and agencies represented at the Exhibition organized as an allied event of 4th ARC. Other associated activities included a number of Field-trips, 2nd Special Session and Meeting of the Task Force for Least Developed Countries in Asia (TF-LDCsAS), and an International Seminar on the History of Irrigation and Drainage by Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST).

All participants/exhibitors appreciated about the well organized nature of the conference/exhibition and the efforts put forth by the Organizing Committee, IRNCID for making the event to a highly successful one.

The conference was reported in the ICID Newsletter No. 2 (April-June 2007). The Proceedings and Conference Declaration can also be accessed at www.pim2007.org

Item 7 : ASRWG Newsletter and ASRWG Homepage

VP Shiati reported that the Indian National Committee (INCID) was in the process of developing its own website, and they intend to include a link to the ASRWG website.

Item 8 : Work on the Basin-Sharing Model for Mekong River Formation

Dr. Siripong Hungspreug (Thailand) was not present to report on the continuing work on the Mekong Basin Sharing Model.

VP Shiati reported that ICID President Peter Lee had presented a keynote paper at the conference on “Water Resources and Renewable Energy Development in Asia” in Bangkok in November 2006. President Lee raised the interesting issue of “Virtual Shortage”. The views of President Lee can be viewed in the *Dams and Hydro Power Journal 1/2007*.

Item 9 : Asian Drainage Programme for the Humid Tropics (ADPHT) and eradication of information gap

VP Shiati outlined progress towards the establishment of an Asian Drainage Centre for Semi and Arid Regions. A concept note for such a program/ centre has been prepared by VP Shiati and submitted to Central Office and IPTRID. It is proposed to base the centre in Iran, and this proposal has the support of the Iranian Ministers for Jihad Agriculture and for Energy. Their government departments will provide in-kind assistance to the Centre. There are a large number of potential member countries. The concept note is to be further refined by the IPTRID representative (Mr. Carlos Garces).

Mr. Nassir bin Bidin (Malaysia) informed the ASRWG about the difficulties in attaining sufficient fund for the ADPHT to make it active and suggested that a meeting to discuss the future of the ADPHT could be held at the International Drainage Conference in Finland in July 2008.

Item 10 : Linkages with Regional and Transnational Organizations for Cooperation

(i) International Water Management Institute (IWMI)

Dr. Hatcho outlined the Memorandum of Understanding with IWMI that has been established by ICID. It was communicated to WG members for their views regarding development of better collaborations with IWMI and ICID at practical as well as local levels. Responses from both the National Committees of Australia and India were received and projected in the agenda and supplementary notes respectively.

No further developments had been reported during the time of the meeting.

(ii) Global Peat Initiative (GPI)

As the Thailand representative was absent in the meeting, no report on progress was available and not able to discuss further.

(iii) Food and Agriculture Organization of the United Nations (FAO)

As the FAO representative was not present, this item was deferred. A project to be established came up to obtain possible supports from FAO for the programs related to agriculture and water. A report prepared in this connection will be tabled at the next ASRWG meeting in 2008 scheduled at Lahore, Pakistan.

Item 11 : Possibility of developing cooperative arrangements with BOAO Forum for Asia

CNCID representative informed in the meeting that BOAO has agreed to include ICID issues in the Agenda of their next BOAO Forum. CNCID representative and VP Shiati will take follow up actions in the matter and try to participate in the BOAO Forum scheduled in April 2008.

Item 12 : Possibilities of developing cooperative arrangements with International Society of Paddy and Water Environment Engineering (PAWEES)

Dr. Hatcho informed in the meeting that PAWEES Journal is being published 4 times/year; and a Scientific Index is being prepared. ASRWG members are encouraged to publish their papers in the PAWEES Journal and to cite other papers published in the Journal.

Dr. Hatcho urged the ASRWG to build a cooperative relationship with PAWEES.

Item 13 : Asian Paddy Field Initiative: Framework of International Network of Water, Environment and Paddy Fields (INWEPF) with ASRWG activities and collaboration with PAWEES

Dr. Kim Tai-Cheol provided details of the 5th INWEPF International Conference to be held in Korea on 18-20 October 2007 and mentioned that 16 papers from 7 countries are identified for presentation and the Proceedings will be published in the *Paddy and Water Environment Journal*.

Dr. Kim also outlined about the 4th Steering Committee meeting and Symposium held in Bangkok during the period from 5-7 July 2007.

Item 14 : Task Force on Asian LDCs

Chairman, TF-LDCsAS VPH S. Taniyama reported on the final Report of the Task Force including the outcomes of the meeting of 30 September 2007. His report outlined the membership of the Task Force, processes it employed from March 2003 to date, priority issues identified, and recommended actions framed for consideration of ICID so as to facilitate the participation of Least Developed Countries (LDCs) in ICID activities.

The Priority Issues identified under participatory management of irrigation and drainage facilities are :

- Development of small and simple irrigation and drainage facilities
- Establishment of legal systems and financial support by governments and donors
- Transfer of O&M skills to farmers' organizations
- Basin-wise conservation and allocation of water resources for development.

VPH S. Taniyama also mentioned about the future actions taken for the Task Force Report which include:

- The National Committees of Iran, Australia, Japan and Chinese Taipei will contribute equally to the printing costs of the Task Force Report
- Ms Ellen Pyatt (USA) and Mr. Jolyon Burnett (Australia) will edit the Task Force Report
- The Report will be presented to the ASRWG and to PCSPOA for further action
- ASRWG will implement the recommendations of the Report.

Dr. Taniyama concluded his report by saying that the activities of the Task Force have been completed and the Task Force has decided to wind up itself.

On behalf of ASRWG members, VPH Huh YooMan (Korea) thanked VPH S. Taniyama for the outstanding efforts carried out by the TF-LDCsAS.

Item 15 : 5th Asian Regional Conference

Information on 5th ARC from INCID has been received and mentioned that in addition to the main theme/sub-themes reported in the agenda note, a sub-theme on "MASSCOTE (Mapping System and Services for Canal Operation Techniques)" is also under consideration for the 5th ARC. During the meeting, members were also given opportunity to comment on the theme/sub-themes of the 5th ARC. No comments on the theme /sub-themes were made.

Item 16 : 6th Asian Regional Conference

Dr. A. Hafied A. Gany (Indonesia) informed in the meeting:

- The theme of the 6th ARC had been approved by the Permanent Committee.
- The date of the Conference has been moved from July to 5-11 September 2010 and
- The first bulletin has been published.

The Theme and other arrangements made for the 6th ARC were endorsed by the ASRWG meeting.

Item 17 : ASRWG’s contribution to the 5 World Water Forum

ICID representatives attended the kick-off meeting of the 5 WWF in Istanbul. VP Shiati presented the following two points from the report of ICID Secretary General:

- The theme for the Forum is “*Bridging Divides : Water for a Sustainable 21st Century*”
- ICID has representatives on the Coordinating Committee assisting the Core Group of the Programme Committee.

While deliberating the matter, it was agreed that VP Shiati would discuss the issue with President Peter Lee and present a proposal to have an ASRWG sub-session at the 5 WWF.

Item 18 : Any other business

The Agenda Item to be focused on the future work plan of the ASRWG was discussed.

In this connection, Dr. Shinsuke Ota (Japan) tabled a paper and made a power point presentation and proposed that the future work plan of the Working Group be concentrated on the issue of “Sustainable irrigation in the face of the effects of climate change”.

While supporting his proposal, ASRWG recognized the need to identify how the ASRWG could link to the activities of the Working Group on Global Climate Change and Irrigation (WG-CLIMATE) with their own initiative.

During the deliberations, it was also proposed that the future work plan of ASRWG would address not only technical aspects but also policy aspects of the issue. It was proposed to establish a sub-Task Force to initiate the work of the ASRWG. During the meeting, the following decisions were taken:

- Recommend to the Permanent Committee regarding proposal for constitution of a Regional Task Force on Climate Change and Irrigation;
- Include representatives from Japan, Australia, Korea, Taiwan and possibly Turkey, and India or Pakistan while constituting the Regional Task Force;
- Constitute the proposed Regional Task Force under the Chairmanship of Dr. Ota (Japan);
- Frame its first report so as to highlight it at the 5 WWF.

Based on the above-mentioned deliberations and decisions arrived thereon, following action points were agreed upon :

- Secretary to include a separate agenda item on “Future work plan of the ASRWG” for the next ASRWG meeting and beyond;
- VP Shiati to discuss with Dr. Mark Svendsen, Chairman, WG-CLIMATE regarding establishment of linkages between ASRWG and WG-CLIMATE;
- VP Shiati to submit a proposal for constitution of the Regional Task Force to the PCSPOA for approval;
- VP Shiati to seek nominations for the Task Force from Turkey and India or Pakistan.

The meeting ended with vote of thanks to the Chair.

MINUTES OF THE THIRTEENTH MEETING OF THE
EUROPEAN REGIONAL WORKING GROUP (ERWG)
Sacramento, USA
01 October 2007: 09.00-12.00 hours

Year of Establishment: 1995

Members Present: (1) Dr.-Ing. Eiko Luebbe, Chairman (Germany); (2) Dr. Laszlo Hayde, Secretary (Hungary); (3) Prof. Franci Steinman (Slovenia) represented Prof. dr. Brane Maticic; (4) Dr. Irina Pankova (Russia) represented Dr. E. P. Gusenkov; (5) Dr. Michele Angelo Cuccaro (Italy); (6) Dr. Pol Hakstege (The Netherlands) represented Prof. R. Brouwer; (7) Mr. Jaakko Sierla (Finland); (8) Prof. dr. Josip Marusic (Croatia) represented Dr. Davor Romic; and (9) Mr. Mati Tonismae (Estonia).

Observers: (1) Dr. Stefano Salbitani (Italy); (2) Dr. Osmo Purhonen (Finland); (3) Prof. Dr. Joachim Quast (Germany); (4) Dr. Klaus Roettcher (Germany); and (5) Rauno Peltonna (Finland).

Ex-Officio Members: Nil.

ERWG Website: <<http://www.erwg.icidonline.org>>

Item 1 : Confirmation of the minutes of the 12th meeting of the Working Group

The minutes of the 12th meeting of the Working Group held on 11 September 2006 at Kuala Lumpur (Malaysia) were confirmed.

Item 2 : Review of membership of the Working Group

The Netherlands National Committee of ICID (NETHCID) and the Russian National Committee on Irrigation and Drainage (RuCID) have nominated Dr. Pol Hakstege (The Netherlands) and Dr. Irina G. Pankova (Russia) in place of Prof. Dr. Robert Brouwer and Dr. E.P. Gusenkov, for the membership of the WG. Both nominees were present, introduced themselves in the WG meeting and have been accepted.

Central Office requested the Swiss National Committee of ICID (CH-AGRAM, Switzerland) to send a fresh nomination for the membership. At the interim meeting of ERWG before the 22nd European Regional Conference (2-6 September 2007) in Pavia, Italy, the new Swiss nominee Mr. Claud-Alain Vuillerat had introduced himself, but unfortunately he could not be present in Sacramento, USA. His nomination has been accepted.

The National Committees of Bulgaria, Poland and Slovak Republic have become inactive in recent past. The Central Office is in contact with them for reactivation. The Central Office has also invited Bosnia & Herzegovina and Moldova for fresh ICID memberships. Responses are awaited.

In response to invitation from Central Office, Prof. as.dr. Irfan Tarelli, General Director, General Department of Resources Management & Support Services, Ministry of Agriculture, Food and Consumer Protection, Albania informed (13 July 2007) that the proposal of ICID membership is being positively considered in the Ministry of Agriculture. Albania desires to join the scientific and technical international organization such as ICID to benefit from the experience of other countries in the area of irrigation and drainage for development of agriculture in Albania. The formal application for the membership is awaited.

Prof. Torkil Jonch Clausen, Managing Director at Danish Hydraulic Institute (DHI), Denmark and recipient of the 'King Hassan II Great World Water Prize' visited Central Office on 28 August 2007. Prof. Torkil appreciated the pivotal role played by ICID in promoting integrated water resources development and management across all the regions of the world and expressed his keen interest in participating in ICID activities. Denmark became a member of ICID in 1981. However, the country had withdrawn its membership in 1986. Secretary General M. Gopalakrishnan requested Prof. Torkil to explore the possibility of reactivating Denmark to join ICID family. Response is awaited.

In order to pursue the above memberships, the Central Office requested Dr.-Ing. Eiko Luebbe (Vice President In charge of Eastern and Western Europe and Africa) and Dr. G.G. Guluyk (Vice President In charge of Eastern Europe) to contact the concerned National Committees and facilitate their membership.

Attendance of members at the meetings in 2005 and 2006 were presented and discussed.

Item 3 : Links with regional and transnational organizations for co-operation

One of the objectives of ERWG is to develop co-operation amongst professionals and organizations engaged in water and land management, which is being successfully followed. The profile is given in **Annex 1**. No further developments have been discussed.

Item 4 : Feedback on River Basin Management Projects supported by ERWG

Two projects with German participation were '*Water Management Tasks in the Summer Polders of the Nemunas Lowland*' together with Lithuania and "*Flood Modelling in the Upper Dnister Valley*" together with Ukraine. Prof. Joachim Quast (Germany) informed that these projects have now been finalised and the results would be published in English. Prof. Quast apprised the members that the publication was planned by the end of 2006, but this has not been realised yet. He also informed the members that the cooperation with both Lithuania and Ukraine is being continued.

Mr. Mati Tonismae (Estonia) expressed his thanks to Prof. Quast for organising a very successful tour for 40 Estonian professionals visiting Germany in August 2007.

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 in the Netherlands*) in cooperation with Prof. Istvan Ijjas (former Secretary of ERWG), the Budapest University of Technology, conducted successful training project on implementation of WFD in Hungary for 160 civil servants. Dr. Hayde informed that the project has been finalised with good evaluation from the participants and from the beneficiary Ministry of Environment and Water Management. He asked the members to encourage the ministries in their countries for similar initiatives and explore ideas on further utilization of the available training materials.

Item 5 : Dialogue on Water for Food and Environment

It has been agreed to continue the co-operation among ICID-ERWG, Central and Eastern Europe Global Water Partnership (CEE-GWP) and World Wide Fund of Nature (WWF).

The Chairman asked the members to maintain cooperation with the CEE-GWP and WWF, e.g. call their attention to participate in the conferences organized by ICID, like the drainage conference to be held in Helsinki (Finland) and Tallin (Estonia).

ERWG members continued the dialogue on the following topic: the WFD and its implementation through tools of the Common Agriculture Policy in the years 2007-2013. The new Directives can be accessed at following websites:

*<http://ec.europa.eu/environment/water/water-framework/wfd_newsletter.html> or
<<http://ec.europa.eu/environment/water/>>*

Item 6 : European Work Team on Drought (EWTDR0)

The Chairman informed the members about the issues being discussed on Drought and Scarcity in Europe. Potential ICID participation in the 'Stakeholder Forum' has been also brought to fore. The papers developed so far will be circulated among the members and comments could be sent directly to the Forum. In the meantime, some information on Drought and Scarcity is provided in **Annex 2 (i) and (ii)**.

Prof. Dr. Vermes (Hungary) indicated (2006) his desire to retire from the chairmanship of EWTDR0. Dr. Hayde, Secretary of ERWG made contact with Prof Vermes and discussed various issues related to future of the Work Team (inactive situation).

Prof. Vermes explained that most of the questions of drought management now - and much more in the future - belong to the activities of United Nations Convention to Combat Desertification (UNCCD), and this fact influences the functioning of our WT. He further informed that UNCCD - together with WMO - established the new Drought Management Centre for South-Eastern Europe (DMCSEE), a Sub-regional Drought Management Centre in Slovenia (the decision was made on 26 September at a meeting hosted by WMO in Geneva with the Secretariat of UNCCD) and this will be a legal and official organization in most Central-, Eastern- and Southern Europe, responsible for drought forecasting (early warning) and monitoring; drought mitigation and drought management in countries joining the Centre. One of the main future efforts for ERWG in ICID should be to build up close contacts and help in the activities of this Centre (<http://www.dmcsee.org>).

Also the merging of the Drought and Flood work teams under the frame of risk assessment has been brought to the fore by Dr Vermes. This has been discussed in details during the 22nd European Regional Conference (interim meeting) in Pavia, Italy. The idea of risk assessment of extremes related to climate change was very much welcomed. As a follow-up of the Pavia discussion, the Hungarian National Committee has sent a proposal to ERWG (prepared by Sandor Szalai, Hungary) for the establishment of a new Work Team on '*Risk Management In Hydrology*', which could replace the present Work Teams on Droughts and Floods. After detailed discussion on the proposed aims, the WG has accepted the idea of establishing a new Work Team under the name '*Work Team on Water Related Risk Analysis*' and asked the members to contact their National Committees to delegate members to this Work Team and contact Sandor Szalai (E-mail: szalai@met.hu) directly for more details, if desired.

Following the Pavia discussion (September 2007) another proposal has been received by the Chairman from the Italian National Committee with similar ideas e. g. presenting meteorological extremes due to climate change. The Chairman has asked for more comments from the Italian National Committee.

EWTDRO (Item 6) and EWTFL0 (Item 7) have been now merged to create a New Work Team under the name '*Work Team on Water Related Risk Analysis*' (EWTWRRRA).

Item 7 : European Work Team on Floods (EWTFL0)

The EU document "*Flood Risk Management, Flood Prevention, Protection and Mitigation*", which has been replaced by a draft Directive in June 2005, was under discussion among the 25 member states (MS) of the EU; a political agreement has already been reached in June 2006. The Chair apprised the WG-members about the Flood Directive introduced in the meantime (Directive 2007/60/EC, dated 23 October 2007).

Mr. Peter Borrows, Chairman of the WT, prepared a document on '*Management of Riverine Floods*' in cooperation with Ir. Dick de Bruin, the Chairman of WG-CAFM. The document has now been proposed, after due revisions, as an ICID position paper on Flood Management for approval by 58th IEC at Sacramento, USA.. (*The document has since been accepted as ICID position paper on Flood Management by IEC*)

Mr. Peter Borrows informed the Chairman that he has now retired and will not be able to attend ICID meetings in future. The WG expressed its deep appreciation for his contributions to the activities of the WT and also for Chairing the Work Team.

Considering the discussions under Item 6, this Work Team is now merged with EWTDRO (Item 6) to create a New Work Team under the name '*Work Team on Water Related Risk Analysis*' (EWTWRRRA).

Item 8 : ERWG Work Team on EU Water Framework Directive (EWTWFD)

The tasks for EWTWFD had been confirmed in Montpellier (2003) but in the absence of WT Chairman, the work of EWTWFD has not progressed well. The Central Office invited (26 March 2007) proposals for new WT Chairman from members. Responses are still awaited.

The WG agreed on the importance of the subject and to learn from the other countries' implementation problems and decided that work team will be re-organised under the name '*Work Team on Agriculture Related River Basin Management*'. The German National Committee will prepare a questionnaire to determine/assess the interests of the members and formulate the goals. Comments/suggestions have been requested from the members.

Item 9 : European Work Team on Sustainable Irrigation Management (EWTSIM)

Prof. Peter Kovalenko (Ukraine) informed the members during the Kuala Lumpur (2006) meeting that the project results (Phase I) have been published under the title "*Irrigation Sector Reform in Central and Eastern European Countries*" (679 pages) and distributed as hard copy and CD. Making the publication available on internet is being explored.

Prof. Kovalenko then distributed a new proposal for the Phase II of the project "*Irrigation Sector Reform in Central and Eastern European Countries*", prepared by the Ukrainian National Committee and Prof. Bart Schultz. Because of financial and organisational problems, this work has to be **postponed**.

Item 10 : European Work Team on Drainage (EWTDR)

The Russian National Committee on Irrigation and Drainage (RuCID) and the Land Reclamation, Drainage and Technical Support Department of Ministry of Agriculture of Russian Federation jointly held a special meeting on '*Water Management, Land Reclamation and Drainage in Russia*' – Special Meeting of Experts in Moscow on 8-9 June 2007 under the leadership of Vice President G.G. Guluyk, Chairman, RuCID. President Peter Lee and Secretary General M. Gopalakrishnan joined the meeting of Land Reclamation professionals at their invitation.

Final results of the above meeting and also the Drainage Seminar held in St.Petersburgh in 2006 will be made available on RuCID website.

Item 11 : Conferences supported by ERWG**• 22nd European Regional Conference of ICID, 2-6 September 2007, Pavia, Italy**

The 22nd European Regional Conference of ERWG was held with about 120 participants during 2-6 September 2007 at Pavia, Italy along with two international workshops. The main theme of the Conference was '*Water Resources Management and Irrigation and Drainage Systems Development in the European Environment*'.

Dr. Michele Angelo Cuccaro (Italy), member-ERWG, apprised the members and informed that the conference proceedings are under preparation and will be shortly available on WG website. The Chair asked for a short conference report to be published in ERWG Newsletter.

- An International Conference on 'Climate Change and Water Management' was held in February 2007 in Germany under the German EU-Presidency. The activity will be continued and information will be e-mailed to the members.
- Finish-Estonian Drainage Workshop in 2008: Mr. Jaakko Sierla (Finland) and Mr Mati Tonismae (Estonia) distributed brochures and informed the members on the Finnish - Estonian Drainage Workshop from 6 to 11 July, 2008 in Helsinki and Tallin. An interim meeting of ERWG will be organized before the workshop. More information can be accessed at <www.fincid.fi/idw2008>.
- The 23rd European Regional Conference of ICID is proposed to be held at Lviv, Ukraine in 2009. The Ukraine National Committee of ICID (UKCID) will be submitting a proposal to Chairman, shortly.

Item 12 : ERWG Letter Editorial Board

The Editorial Board for the ERWG Letter consists of Mr. Peter Borrows, Chairman of EWTFLO, Dr. Frantisek Dolezal, Dr.-Ing. Eiko Luebbe (Editor), Chairman of GECID and ERWG, Prof. Dr.-Ing. Joachim Quast, Secretary of GECID, Prof. Dr. Lajos Szlavik and Dr. Henri Tardieu, President of AFEID.

The WG expressed its special thanks to the editorial board for their active role in bringing out the ERWG Letter. Special thanks to Prof. Quast and Dr. Volker Ehler for their devoted editorial work. The members were requested to provide their active support to the editorial team.

ERWG Letter 17 (2007) has been published (April 2007) and circulated. Copies of earlier letters can be viewed at <<http://www.erg.icidonline.org>> and <http://www.zalf.de/icid/erwg_letter_17.pdf>. Some hardcopies of earlier issues are still available with the Chair and can be ordered from GECID (E-mail: gecid@zalf.de). Contributions are welcome and should be sent to the Chair at the above e-mail address.

Item 13 : Young Professional Fora and IPTRID in Europe

The response of Young Professionals at 21st European Regional Conference (ERC) of ICID at Frankfurt (Oder) in 2005 was overwhelming. They demonstrated themselves as rational thinkers with a good potential and willing to actively participate in the activities of WG.

The Italian National Committee of ICID (ITAL-ICID), as organizers of 22nd ERC, had difficulties in organizing the participation of the young professionals in 2007. The Chairman called for attention of all the members on the importance of the involvement of the young professionals in the activities of ERWG.

Item 14 : New Euro-Mediterranean Irrigators Community

The Chairman informed the members that there was no new activity under this item.

Item 15 : Any other business

• **EU: New Floods Directive adopted**

The European Parliament adopted a set of compromise amendments agreed with the EU Council of Ministers on the proposal for a directive on the assessment and management of floods risks in April 2007. Please access the following links for more information:

- <http://europa.eu/rapid/pressReleasesAction.do>
- http://ec.europa.eu/environment/water/flood_risk/index.htm
- <http://www.emwis.net/toics/floods>

• **New Russian Section of the ICID website**

The Russian Section of the ICID website can be accessed at <<http://www.icid.org/Russian/>>. The WG members appreciated the efforts of Vice President Dr. G.G. Guluyk and Dr. (Mrs.) Irena G. Bondarik from RuCID and desired more participation from the Russian speaking countries in East Europe and Central Asia.

• **Croatian Society for Drainage and Irrigation**

Prof. dr. Josip Marusic (Croatia) informed the WG that the Society (HDON) originally established in 1963 was accepted into ICID in 1992. He then briefly discussed the objectives and activities of the society.

**EUROPEAN REGIONAL WORKING GROUP (ERWG) OF THE
INTERNATIONAL COMMISSION ON IRRIGATION AND DRAINAGE (ICID)**

Profile

The European Regional Working Group (ERWG) of ICID was founded at the 46th IEC Meeting in Rome in September 1995, and is acting under the motto “Comprehensive land and water management in European river basins for the sustainable development of the rural landscape”. The tasks of ERWG can be summarized as follows:

- Knowledge transfer and exchange of experience in matters of border crossing water and land management in European countries
- Co-operation of experts and organisations engaged in national, supranational and international objectives of water management and irrigated agriculture
- Development and promotion of border crossing projects and conferences
- Members are the ICID National Committees of 24 European countries, as below :

Country Representatives			
Austria	Mr. Frederick M. Cate	Macedonia	Prof. Zvonimir Vukelic
Croatia	Dr. Davor Romic	Portugal	Mr. Pedro Eduardo da Cunha Serra
Cyprus	Mr. Nicos Tsiourtis	Romania	Prof. Ion M. Nicolaescu
Czech Republic	Prof. Svatopluk Matula	Russia	Dr. Irina Pankova
Estonia	Mr. Mati Tonismae	Serbia	Mr. Peter Pantelic
Finland	Mr. Jaakko Sierla	Slovenia	Prof. Brane Maticic
France	Dr. Henri Tardieu	Spain	Mr. Ricardo Segura Graino
Germany	Dr.- Ing. Eiko Luebbe	Switzerland	Mr. Claud-Alain Vuillerat
Greece	Prof. Dr. A. Poulouvassilis	The Netherlands	Dr. Pol Hakstege
Hungary	Dr. Laszlo Hayde	Ukraine	Prof. Peter Kovalenko
Ireland	Dr. John Martin	United Kingdom	n.n.
Italy	Dr. Michele A. Cuccaro		
Lithuania	Dr. Antanas Maziliauskas		

Chairman : Dr.-Ing. Eiko Luebbe (Germany)
Vice-Chairman : Prof. Dr. Peter Kovalenko (Ukraine)
Secretary : Dr. Laszlo Hayde (Hungary)
Observer : Mr. Mohammed Benblidia (IME)

Countries with observer status

Bosnia & Herzegovina : Prof. Dr. Mihovil Vlahinic
Moldova : Mr. Valeriu Catrinescu

Subordinate Work Teams

European Work Team on Water related Risk Analysis (EWTWRA) – NEW

Chairman and Members to be elected.

European Work Team on EU Framework Directive (EWTWFD)

Chairman	(to be elected)
Members	Mr. Frederick M. Cate (Austria), Mr. Istvan Zsolt Ijjas (Hungary) Mr. Vladimir Milovsky (Russia), Dr. Pavel Puncochar (Czech Republic), Mr. Ricardo Segura Graino (Spain), Mr. V. Stavric (Macedonia), Mr. Risto Timonen (Finland)

European Work Team on Sustainable Irrigation Management (EWTSIM)

Chairman	Prof. Peter Kovalenko (Ukraine)
Members	Mrs. Helena Aijo (Finland), Mr. Frederick M. Cate (Austria), Mr. Jan Cermak (Czech Republic), Mr. Eugeny Goussenkov (Russia), Mrs. Jasmina Taseva (Macedonia), Prof. Dr.-Ing. Joachim Quast (Germany), Dr. Olga Zhovtonog, Secretary (Ukraine), Mrs. Yldiko Zima Szaloki (Hungary)
Observer	World Bank representative

European Work Team on Drainage (EWTDR)

Chairman	Dr. Georgiy G. Guluyk (Russia)
Members	Mrs. Irene Bondarik, Secretary (Russia) Prof. Brane Maticic (Slovenia), Dr. Iulian Mihnea (Romania), Mr. Toomas Timmusk (Estonia), Dr. Willem Vlotman (Australia), Mrs. Marija Vukelic-Sutoska (Macedonia), Dr. Nicola Yacik (Ukraine), Mr. Daniel Zimmer (France)

Editorial Board of ERWG Letter (EBLET)

Editor	Dr.-Ing. Eiko Luebbe (Germany),
Secretary	Prof. Dr.-Ing. Joachim Quast
Members	Dr. Frantisek Dolezal (Czech Republic), Mr. John Hennessy (UK), Dr. Lajos Szlávik (Hungary) Mr. Henri Tardieu (France)

Water Network

In addition to the European National Committees of ICID, the following organizations/association/institution have been incorporated in the ERWG Water Network :

5 European professional organizations

- CIPR - Commission Internationale pour la Protection du Rhin
- EurAgEng - Special Interest Group on Soil and Water, European Society of Agricultural Engineers
- EWA - European Water Association
- EWRA - European Water Resources Association
- TECHWARE - Technology for Water Resources

7 National Water Management Associations

- BSHE - Bulgarian Society of Hydraulic Engineers
- DWA - German Association for Water Management, Waste Water and Waste
- DONBH - Society for Irrigation and Drainage of Bosnia & Herzegovina
- LZHIS - Lithuanian Association of Land and Water Management Engineers
- MHT - Hungarian Hydrological Society
- RSRE - Russian Society of Reclamation Engineers
- SITWM - Polish Association for Water Plant Construction and Land Improvement Engineers and Technicians

6 European Water Management Institutes

- ACVAPROJECT - Water Management Design Institute (Moldova Republic)
- DHI - Danish Hydraulic Institute
- IIDS - Institute of Irrigation and Development Studies, University of Southampton (United Kingdom)
- RIIDHE - Research Institute for Irrigation, Drainage and Hydraulic Engineering (Bulgaria)
- VITUKI - Water Resources Research Centre Plc. (Hungary)
- IME - Institut Méditerranéen de l'Eau (France)

Work Results

- ERWG Letter No. 1 to 17 (newsletters)
- European Sector Vision on Water for Food and Rural Development (report)
- ICID Guide "How to work out a drought mitigation strategy" (guideline)
- Water Resources Management in the Czech Republic, Hungary, Lithuania, Slovenia (book)
- Diffuse Entries in Rivers of the Odra Basin (research report)
- Proceedings of several European conferences
- First and Second CEE WFE Dialogue Reports (Dialogue on Water, Food and Environment – Dialogue on the implementation of the EU Water Framework Directive in Agriculture in the Central and East European Countries) (reports)
- Danube Valley : History of Irrigation, Drainage and Flood Control (book)
- Irrigation Sector Reform in Central and Eastern European Countries (679 pages)

Current Projects

- Sustainable irrigation and drainage management under the conditions of transitional economy
 - Dialogue on water for food and environmental security in Central and Eastern Europe
 - Risk analysis of water related issues due to climate change (droughts, floods)
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Annex 2 (i)
[Appendix VI, Item 6]

COUNCIL OF THE EUROPEAN UNION

Brussels, 3 October 2007

13389/07

LIMITE

**ENV 486
DEVGEN 170
AGRI 307**

NOTE

From : General Secretariat
To : Committee of Permanent Representatives

No. prev. doc. : 13051/07 ENV 470 DEVGEN 163 AGRI 286
No. Cion. Doc.: 12052/07 ENV 422-COM (2007) 414 final

Subject : **PREPARATION OF THE COUNCIL (ENVIRONMENT) MEETING OF 30 OCTOBER 2007**
Water scarcity and droughts
- Draft Council conclusions

1. The Commission submitted its communication addressing the challenge of water scarcity and droughts in the European Union on 20 July 2007.
2. The issue was discussed at the informal meeting of Environment Ministers in Lisbon on 1 September 2007.
3. The Environment Working Party on 7, 18 and 28 September 2007 examined draft Council conclusions drawn up by the Presidency.

The latest Presidency draft resulting from the discussions is set out in the Annex to this Note.

4. The latest Presidency draft is still being scrutinized by all delegations. In addition :
 - FR maintain a reservation on paragraph 16 concerning the Commission's intention to explore how existing sectoral policies could better contribute to effective water management.
 - LU/SE have a reservation on paragraph 21 on ways to increase knowledge and exchange experience on water scarcity and drought;
 - The Presidency has revised paragraph 22, on future steps to be taken by the Commission, with the aim of finding a compromise based on the comments presented in the Working Party on 28 September 2007.
 5. The Committee of Permanent Representatives is invited to finalize the text of the draft conclusions with a view to forwarding them to the Council (Environment) for adoption at its meeting on 30 October 2007.
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**WATER SCARCITY AND DROUGHTS (WS&D)
DRAFT COUNCIL CONCLUSIONS**

The Council of the European Union,

1. RECALLS that water scarcity and droughts (WS&D) are problems with relevant socio-economic and environmental impacts in the European Union; NOTES that their occurrence has been increasing in both intensity and frequency in recent years, affecting Member States and neighbouring countries at different levels; RECALLS the request for European action on WS&D from the Environment Council in June 2006 and the results of the informal meeting of Environment Ministers on this subject, which took place in Lisbon in September 2007'
2. RECOGNISES that Climate Change (CC) is expected to influence the baseline of present WS&D with potential impacts on water quantity and quality, contributing in particular to an increase in extreme hydrological events, such as floods and droughts; NOTES that a link between WS&D and CC and their associated adaptation strategies, including the aspects already dealt with in the EC Green Paper on adaptation to climate change in Europe, should be integrated into the implementation of the Water Framework Directive (WFD) as far as possible;
3. WELCOMES the Commission communication entitled "Addressing the Challenge of Water Scarcity and Droughts in the European Union", adopted on 18 July 2007, as a fundamental and well-developed first set of policy options for future action, within the framework of EU water management principles, policies and objectives; NOTES that the communication requires a clear commitment from the EU as a whole, to establish the adequate conditions for implementing the actions envisaged therein and to develop further knowledge;
4. ACKNOWLEDGES that the problem of water scarcity and droughts cannot only be confined to its European aspect since it has international repercussions, such as a direct relation with poverty and migration; RECOGNISES that it is important for the European Union to consider the international dimension when dealing with this matter and to pursue the achievement of the international commitments of the European Community and its Member States, in particular the United Nations Convention to Combat Desertification, the United Nations Framework Convention on Climate Change and the Convention on Biological Diversity;
5. RECOGNISES that integrated water management will contribute to mitigating water scarcity and drought impacts and therefore CALLS UPON the Commission and all the Member States to enhance their efforts to implement the EU Water Initiative as a privileged tool to progress towards the achievement of the objectives of the World Summit on Sustainable Development and the Millennium Development Goals;
6. ACKNOWLEDGES that the full implementation of the WFD, the EU's flagship Directive on water policy, is a major priority; STRESSES that the WFD establishes a framework of great value, innovation and scope for integrated water management in Europe, while providing tools for achieving good status in all European waters, promoting sustainable water use, contributing to mitigating the effects of floods and droughts and encompassing a flexible approach in addressing environmental objectives;
7. RECALLS that some concerns regarding quantitative aspects, which influence the achievement of the environmental objectives, have been identified during the ongoing implementation of the WFD, particularly dealing with floods, water scarcity and droughts; RECALLS that the recently adopted Directive on the assessment and management of floods [...] will contribute to the achievement of these objectives and RECOGNISES that WS&D have become increasingly important at the technical and political level;
8. ACKNOWLEDGES that water scarcity and droughts have a direct impact on citizens and economic sectors, such as agriculture, forestry, tourism, industry, energy and transport, significantly affects natural resources, places stress on ecosystems and habitats thus endangering biodiversity and otherwise affects the environment as a whole; NOTES that there is a close connection between droughts, soil degradation and desertification, particularly in semi-arid regions, in terms of the direct impact on the performance of soil functions and STRESSES the broader impacts of droughts in terms of increased risks of forest and the consequent significant effects on atmospheric pollution and [...] emissions of greenhouse gases;

9. UNDERSTANDS that water scarcity on the one hand, and drought on the other, should be considered as different matters, in as much as water scarcity should refer to water imbalances supply and long-term demand, while drought should refer to significant [...] decreases in average levels of natural water availability; RECOGNISES that it is not possible to control the occurrence of droughts, although the resulting impacts may be mitigated to a certain degree through appropriate surveillance and management strategies in the context of the WFD among others;
 10. RECALLS that, as shown by the Commission's assessment, with respect to water scarcity several Member States, representing at least 12% of EU territory and 19% of the EU population, have also been affected, with at least 33 river basins concerned; NOTES that the worst-affected river basins are located in southern Europe, but that nonetheless northern and eastern countries have also identified river basins subject to water scarcity;
 11. RECALLS that the Commission's in-depth assessment, presented in 2007, shows that droughts have concerned all EU countries to varying degrees and that, recent events (2003) have affected more than 100 million inhabitants (20%) and a third of the EU territory; NOTES that the total economic impact of drought at EU level over the last 30 years is estimated at EUR 100 billion; [...]
 12. UNDERLINES that the ineffective management of water resources is a fundamental problem which influences water scarcity and can induce additional impacts when a drought occurs, even though it cannot generate a drought in itself, the latter being a natural phenomenon; CONSIDERS that the implementation of the demand-side approach the enhancement of water efficiency (e. g. reduction of leakages) and further educational measures must be a clear priority, even though in some circumstances it might be necessary to consider further approaches on the supply side to address the impacts of WS&D;
 13. UNDERLINES that River Basin Management Plans, as established under the WFD, should take due account of the balance between demand and supply, including seasonal and inter- annual analyses, to achieve the environmental objectives and consider the need for new water supply measures [.. ..] once the projected impacts of water saving measures prove insufficient; NOTES that these supply measures may consist of [.. ..] traditional or alternative options, including, for example, waste water re-use and desalination carried out under sustainable conditions;
 14. STRESSES that a comprehensive approach to addressing the issues of water scarcity and droughts is a fundamental requirement for achieving water policy objectives and moving towards sustainable development. This approach should include, *inter alia*, the effective, implementation of integrated water resources management, the strengthening of water demand management and water saving policies, the implementation of the "user-pays" principle in accordance with the WFD, the incorporation of sustainable water use concerns into other sectoral policies (e.g. agriculture, forestry, regional development, tourism, energy production), land-use and inland water-ways planning, and an assessment of aquatic ecosystems and their functions;
 15. NOTES that the water pricing provisions of the WFD will provide an incentive to promote more efficient use of water resources while guaranteeing equitable public access to them and taking social aspects into account. [...]. In this context, awareness-raising campaigns can be an important tool for promoting water saving practices;
 16. [...] NOTES the Commission's intention [...] to explore how sectoral policies could better and further contribute to effective water management, using associated funds to foster the delivery of environmental services by water users in an efficient way, to examine the access issues in future annual work programs of the Civil Protection Mechanism;
 17. UNDERLINES the need to pay special attention to the further development and, if necessary, adaptation of current agriculture policies to contribute to sustainable water management; NOTES the Commission's intention to include management of water scarcity in the forthcoming CAP Health Check and to further assess the inter-linkages between bio-fuel development and water availability;
 18. RECOMMENDS that water scarcity issues be dealt with, as far as possible, through the implementation of an appropriate set of measures within the River Basin Management Plans, including identifying the necessary adaptation strategies for climate change and coordinated water resources management in international river
-

basins; RECOGNISES that transboundary agreements between riparian states are necessary to tackle the problem of water scarcity;

19. UNDERLINES the need to move from a crisis-management approach to prevention and preparedness actions to tackle the impacts of droughts; CALLS for a common approach to drought risk assessment and drought management planning. Consistent with the WFD, to be jointly developed by the Commission and the Member States in the near future, [...] given that droughts, with their specific regional characteristics, are a serious natural hazard for a range of Member States and have potential transboundary impacts in various regions of the European Union; NOTES that drought management planning should include *inter-alia* cross-border coordination, public participation and warning systems, and should be developed in the potentially affected areas at the appropriate level;
 20. SUPPORTS the work currently under way to contribute to a more transparent application of the relevant exemptions set under the WFD, in particular the definition of "prolonged droughts", and its implications for achieving environmental objectives during and after drought periods;
 21. CONSIDERS that arrangements for establishing a platform for data-collection and research activities, which is based on and closely interlinked with the [...] existing structures and activities of the EEA, ESA and the Commission, are an important measure setting the conditions for increasing knowledge, contributing to a wide exchange of experiences on this issue and improving the preparedness to tackle drought events; NOTES that this process may lead to the setting up of a European Drought Observatory;
 22. INVITES the Commission to present a follow-up [...] report in 2008, including deadlines for the implementation of the measures identified in the communication; NOTES that this implementation process should bring together Member States and the Commission to exchange information and best practice and that any legislative initiatives should be based on an in-depth impact assessment; CONSIDERS that the need for further measures, namely on drought risk management, should be assessed taking into account these conclusions, experience gained with the implementation of the WFD, and the results from research and technical activities on WS&D which are currently in progress; INVITES the Commission, on this basis, and taking into account the international dimension, to review and further develop the evolving EU strategy for WS&D by 2012.
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**MINUTES OF THE SECOND MEETING OF THE
SPECIAL WORK TEAM ON LAKE CHAD BASIN (ST-LCB)
Sacramento, USA
01 October 2007: 09.00-12.00 hours**

Year of Establishment: 2005

Completion of the Mandate: 2009

Members Present: (1) Engr. Bukar Wakil, Chairman represented by Engr. I.K. Musa (Nigeria, 2005); (2) Engr. M.S. Adamu (Nigeria, 2005).

Permanent Observers: (i) Mr. Boubakari Mana (LCBC representative); (ii) Mr. Herve Levite (IPTRID representative); (iii) Dr. Adama Sangare (ARID/ RAID representative).

Observers: (i) Mr. Avinash Tyagi (WMO); (ii) Mr. Marc Andreini (IWNE); (iii) Mr. Tchouadang Kadjonga (Chad); (iv) Mr. Maurice Roos (USA).

Item 1 : Membership of the Special Work Team

No nominations were received from workbodies and national committees having inland basins or similar experience, as well as the organizations requested to nominate their representatives as Permanent Observers.

IPTRID has nominated Mr. Dominique Durlin, Technical Officer as Permanent Observer and was accepted.

The Lake Chad Basin Commission (LCBC) was requested to extend the invitation to the Chairmen of the identified Workbodies and organizations to nominate their representatives to become the members or observers of the ST between now and Lahore meeting.

Considering the absence of Engr. Bukar Wakil to provide leadership to the Work Team for consecutive two years, it was proposed that Engr. I.K. Musa to take over as the chairman of the ST.

Item 2 : Formation of a broad based ICID National Committee in each of the Lake Chad Basin countries

No progress was registered from the Chad basin countries that are inactive and those to pay their first annual subscription. The ST agreed to assist by providing leadership in reactivating/ establishing national committees in the Chad basin countries. The issue will be discussed during the 2nd African Regional Conference scheduled to be held at Johannesburg from 6 to 9 November 2007. It was informed that some sponsorship may be available for some professionals of the LCBC member countries to attend the 2nd African Regional Conference

Item 3 : To exchange information on problems relevant to the Lake Chad Basin

Four documentaries on the Climatic Change in Lake Chad Basin and efforts made by the LCBC member countries were projected during the meeting.

The US National Heritage Institute was expected to make a presentation but unfortunately did not attend the meeting.

Item 4 : Co-operation with ICID Workbodies and International Organizations

4.1 ICID workbodies

The idea to merge the two Special teams, viz. ARAL and LCB, proposed by the ST-ARAL during their last meeting in Malaysia was not accepted.

4.2 International Organizations

Engr. I.K.Musa briefed the participants about his papers presented during the LCBC Regional Parliamentary Committee and the Accra meeting organized by UNECA. The two presentations were well received considering the number of copies requested by the participants.

Mr Boubakari Mana, permanent observer of the TF-IBWT, presented a short paper on the LCB-IBWT Project in Malaysia and reported that the revised draft of the experiences with IBWT for irrigation, drainage and flood management has been prepared and disseminated.

Item 5 : To prepare an updated work plan of the Team

A draft four year work plan (2006 to 2009) of the ST was examined by considering Lake Chad Basin as a case study within a framework of Wide Irrigation Planning and Development of the region.

The ICID Special session in Maiduguri, Nigeria could not be held as planned, due to lack of funding and also because similar conference was held in the same venue and time by the Ministry of Cooperation and Integration of Nigeria and UNESCO who were otherwise to provide the funding for the special session.

A Special Session on the Oubangui-Lake Chad Water Transfer will be organized during the 3rd AFRC to be held in Abuja in 2009, in collaboration with NINCID and relevant ICID workbodies, besides TF-IBWT.

Item 6 : Webpage of the Special Work Team

The ST-LCB Website is yet to be created. However, some information on Lake Chad Basin is posted on the webpage of the AFRWG <<http://www.afrwg.icidonline.org/>> . Those interested can also visit the LCBC website.

The ST is urged to design its webpage and then request the ICID Central Office to finalize and post it.

Item 7 : Any other business

The ST members were invited to contribute in the African perspectives for the 5th World Water Forum to be held in Istanbul in March 2009 in collaboration with the Task Force to Guide ICID inputs to the 5th World Water Forum.

The issue of Climate Change was considered as a threat to the food production for African countries. The Chairman launched a strong appeal on the issue.

The meeting ended with a vote of thanks from the chair.

MINUTES OF THE FOURTEENTH MEETING OF THE
SPECIAL WORK TEAM ON ARAL SEA BASIN (ST-ARAL)
Sacramento, USA
01 October 2007 : 14.00-17.00 hours

Year of Establishment: 1994

Proposed Year of Closure: 2009

Members Present : (1) Prof. Dr. N. Hatcho (Japan) and (2) Mr. Acad. Boris Kizyaev (Russia).

Member Honoraire : Mr. Henri Tardieu, Vice President Hon., ICID (France).

Observers : Mr. David Cone (USA).

The 14th meeting of the ST-ARAL was held under the Chairmanship of Prof. Dr. N. Hatcho in absence of the Chair, Vice President Hon. Victor A. Dukhovny (Uzbekistan).

Item 1 : Confirmation of the minutes of the 13th meeting of ST-ARAL held in Kuala Lumpur, Malaysia on 12 September 2006

The minutes of the 13th meeting held at Kuala Lumpur were circulated. As no comments were received, the minutes were confirmed as it was, in the 14th meeting held on 1 October 2007 at Sacramento.

Item 2 : Tenure of the Working Group/Work Team

In the previous meeting, it was agreed that the chairperson will prepare the plan on future of the work team, including the possible merger with the Special Work Team on Chad Lake Basin (ST-LCB) or Task Force on Inter Basin Water Transfers (TF-IBWT), and the discontinuation of the ST-ARAL. As the Chairperson was absent in the meeting, no discussion was held on the tenure of the Work Team. It was decided to postpone the subject until the next meeting.

Item 3 : To review the membership of the Work Team

Item 3.1 : Work Team Membership

Many of the current members were not present in the 14th meeting held on 1 October 2007, the meeting also noted that there were not much contributions from the members to its activities.

Item 3.2 : Country Membership

Without the presence of the representative of the country concerned, it was difficult to discuss the issues of the Aral Sea Basin. In the meeting, it was noted that the countries namely, Uzbekistan and Kazakhstan are having active membership in ICID while Turkmenistan, Kyrgystan, Tajikistan and Azerbaijan are, even though admitted to join in ICID, are inactive members of ICID as they are yet to subscribe.

The meeting noted that active participation of members from the concerned countries of Central Asia should be encouraged to evolve decisions/developments of Aral Sea Basin.

A. CONTINUING ITEMS

Item 4 : Further progress regarding Aral Sea Basin (ASB)

No report or update was available.

Item 5 : Development of ICID National Committees in the region with regard to their constitution, broad basing, composition, function and program of activities

No report or update was available

Item 6 : To review work plan

Without the decision on the continuation of the ST-ARAL, the work plan could not be reviewed and finalized.

Item 7 : Capacity Building Programs

(i) System Issues (Drainage)

(ii) Environmental and Socio-economic Assessments

There are several activities on-going on bilateral and multilateral basis without involving ICID. To ensure the involvement of ICID through ST-ARAL, it would be important to establish adequate linkages with these activities.

Item 8 : Review of progress on implementation of ICID Strategy on ICID Vision

This item has been in the agenda for some years without achieving progress because of the resigning of VPH M.G. Bos (The Netherlands) from the ST-ARAL. The item should be eliminated from the coming agenda.

Item 9 : Exchange of information and experience with China

No report or information was available from China in this connection.

Item 10 : Issues on "Scientific and technical framework of transfer of Siberian Water to Central Asia"

Mr. Acad. Boris Kizyaev (Russia) made comment on this issue and informed that the plan has political and social implications. Needs are there. But the government is yet to understand the real issue and in 2-3 years, results could be expected.

Item 11 : Framing-up of ToR for assessment of situation with management of salts, water and return flow in the rivers of Aral Sea Basin

No decision was made and no action was taken on this item without the presence of the chairperson.

Item 12 : Any other business

With regard to the coordination with WG-Climate, no action was taken without having clear framework of activities of WG-Climate.

It was suggested to continue the discussion of the ST-ARAL through E-mail. ICID Central Office should contact the Chairperson to initiate such E-mail discussions. Russian member will also contact the Chairperson through his own channel.

The meeting adjourned with vote of thanks to the Chair.

**MINUTES OF THE EIGHTEENTH MEETING OF THE
AFRICAN REGIONAL WORKING GROUP (AFRWG)
Sacramento, USA
01 October 2007: 14.00-17.00 hours**

Year of Establishment: 1994

Members Present: (1) Engr. I. K. Musa, Chairman (Nigeria, 1996); (2) Mr. M.S. Bala, Secretary (Nigeria, 2002) represented by Engr. M.S. Adamu; (3) Dr. Sizwe Mkhize (South Africa, 2001); (4) Secretary General, ICID.

Permanent Observers: (i) Dr. Carlos Garces (IPTRID representative).

Member Honoraire: Mr. Felix Reinders, Vice President, ICID (South Africa)

Observers: (i) Mr. Boubakari Mana (LCBC); (ii) Mr. Marc Andreini (IWMI); (iii) Mr. Tchouadang Kadjonga (Chad); (iv) Mr. Hervé Levîte (IPTRID); (v) Mr. Andrew Sanewe (South Africa); (vi) Dr. Adama Sangare (Mali); (vii) Engr. M.S. Adamu (Nigeria).

Item 1 : Confirmation of the minutes of the 17th meeting held at Kuala Lumpur, Malaysia

The minutes of the 17th meeting of the Working Group held at Kuala Lumpur in September 2006 were confirmed.

Item 2 : Review of membership of the group, permanent observers, and countries

2.1 Chairmanship/ Membership of the Working Group

At the 17th meeting of the group in Kuala Lumpur, Engr. I K Musa had announced his intention to step down from the Chairmanship of the AFRWG after the Sacramento meeting. Members were requested to volunteer for the Chairmanship of the AFRWG. In response, nominations were received from national committees of Egypt, Ethiopia and South Africa as follows:

- Dr. H. Fahmy (Egypt) – no CV was received and he was not present;
- Mr. Makonnen Loulseged (Ethiopia) – his CV was received, but it was observed that he has not attended the meeting of the WG for the last three years;
- Dr. Sizwe Mkhize (South Africa) – his CV was received and he was in attendance.

Group chose Dr. Sizwe Mkhize (South Africa) as the new Chairman.

The group also approved the membership of Dr Adama Sangare (Mali) to the working group.

(a) Permanent Observership of RAID and SARIA

Both ARID and SARIA representatives were in attendance.

(b) Block membership

Chairman informed the group that although the 57th IEC meeting observed that presently there was no enabling provision in ICID by-laws or Constitution for the block membership *and constituted* a team comprising members from AFRWG, PCSPOA and PFC under the Chairmanship of PCSPOA to recommend to IEC on the block membership matter. The convener was yet to convene such a meeting. A member drew the attention of the group to the internal review of PCSPOA that sought to address the issue connected with block membership, but the view was that it did not offer anything different.

2.2 ICID Membership of African countries

The group noted that the situation remained the same, where out of 53 countries in Africa, only 7 countries were active members of ICID, with 15 countries deemed inactive and the 5 countries that were admitted are yet to pay their first subscription.

The group appealed to PFC/PCSPOA to consider the request from Kenyan National Committee (KENCID), which became inactive in January 2003, and has indicated the desire to reactivate their membership but would like IEC to write-off the outstanding subscription arrears and to waive off any penalties, in view of the financial crisis and re-organisation of the National Committee. In the meanwhile, the group promised to lend its weight in appealing to KENCID to initiate steps to reactivate by paying the current year's subscription.

A. CONTINUING ITEMS

Item 3 : Progress on the implementation of the Action Program for Africa

3.1 2nd African Regional Conference, November 2007

Vice President Felix Reinders reported that the 2nd African Regional Conference will be held from 6 to 9 November 2007 at Johannesburg, South Africa under the auspices of the South African National Committee (SANCID) together with the Southern African Regional Irrigation Association (SARIA), and sponsored by the Department of Agriculture and the Water Research Commission. The conference theme would be "*Contribution of irrigated agriculture to poverty alleviation through increased productivity in Africa*" and will explore avenues through sub-themes which focus on: natural, social, human, physical, and financial capital. The conference aims to attract a multi-disciplinary group of professionals involved with agricultural water management to create new challenges and opportunities for investment in people, agriculture and rural areas of Africa in 21st century. Central Office has given wide publicity to the event through News Updates/ News Letters and the website. Detailed and updated information of the conference is available at www.sancid.org.za. All members of the group were encouraged to actively participate in the conference.

VP (Hon) Engr. I K Musa also reported on the level of preparation for the hosting of the 3rd African Regional Conference on the occasion of the 60th IEC meeting scheduled to be held at Abuja, Nigeria between 11 and 17th October 2009. The conference theme would be on "*The Role of Irrigation and Drainage in Food Security: Towards attaining the Millennium Development Goals in Africa*" and with sub-themes on food production and income generation, public-private partnerships, performance appraisal, strategy for poverty reduction; and environmental sustainability.

3.2 Three-year work plan of the group

The group further deferred the presentation of the revised three-year work plan to South Africa meeting in order to include the inputs from ARID and SARIA. The Chairman appealed to ARID and SARIA representatives to provide their plans to the new Chairman so as to conclude on the draft three year work plan of the group and circulate among members for any input well in advance of the meeting.

Item 4 : Cooperation with other working groups and international organizations

4.1 ICID working groups

The decision about members to serve as liaison persons on related ICID work bodies for effective exchange of information and collaboration was again deferred to Lahore meeting due to very few members present at the meeting.

Chairman reported on the discussion he held with President (Hon) Aly Shady on the need for Africa to make strong representation at WWF 5 in Istanbul in 2009. This was reported to ST-LCB who suggested the presentation should be on Effect of Climate Change on Food Security in Africa with active collaboration of AMCOW.

4.2 Cooperation with International Organizations

The group reviewed the outcome of the following international events/ publications which were considered of interest to them:

(i) Expert meeting at Ouagadougou, Burkina Faso, March 2007

Dr Adama Sangare reported that well over 130 experts and managers from 31 African countries and their development partners met in Ouagadougou, Burkina Faso from 26-28 March 2007 to promote Agricultural Water Development (AWD), strategic planning and investment preparation in order to revitalize interest in AWD investment in Sub-Saharan Africa especially by the donor agencies. The meeting was convened by five

development partners – AfDB, FAO, IFAD, IWMI and World Bank – on the occasion of the completion of a report “Investment in Agricultural Water for Poverty Reduction and Economic Growth in Sub-Saharan Africa” as part of the Collaborative Program on AWD. The meeting was hosted by ARID. Copies of the report were circulated to some members. Details of the outcome of the expert meeting were reported to be available at <http://www.arid-afrique.org/article>.

(ii) SANCID Symposium, November 2006

Vice President F Reinders reported that the 2nd biennial symposium of the South African National Committee (SANCID) was held from 15-17 November 2006 in Mpumalanga Province, South Africa. The theme of the Symposium was “*The changing face of irrigation in Southern Africa*”. The symposium was aimed at capturing recent developments in the irrigation sector. The symposium was attended by 106 delegates from Australia, Nigeria, Swaziland, Zimbabwe, besides South Africa. A total of 27 papers were presented in seven sessions under the sub-themes: technology development, modeling, water use efficiency, irrigation economics, water harvesting, water quality and environment, and irrigation scheduling. Besides paper and poster presentations, a technical tour of the surrounding irrigation scheme was organized. He thanked the Central Office for the wide publicity they gave to the event through News Update/ News Letter.

(iii) Improving performance of irrigated schemes in Africa

The report of the project was provided by Dr. Adama Sangare. He stated that it was essentially a soft development intended to achieve performance improvement of irrigated schemes in 5 countries in West Africa (Burkina Faso, Mali, Senegal, Niger and Mauritania) and 2 countries in East Africa (Ethiopia and Kenya). The intended improvements in performance of irrigated schemes were supposed to be in terms of competitiveness, attractiveness for farmers and sustainability. The project was funded by French Government, with the East African component managed by IWMI and that of West Africa managed by ARID. The draft final report is to be discussed in Burkina Faso on 28th October 2007. Details are available at <http://www.arid-afrique.org/english/>.

Item 5 : Publicizing Working Group’s activities through a Newsletter and other international publications

Due to very poor response and contribution from the members, the group’s Newsletter could not be published on regular basis. Chairman Engr. Musa once again requested all members and non-members to contribute to the newsletter and send some interesting related articles, notes, outcome of events etc.

Item 6 : Webpage of the AFRWG

The group’s webpage <http://www.afrwg.icidonline.org/> was reported to be active and that the Central Office has added a section on the webpage to post information on Africa’s River Basins including the Lake Chad Basin and to facilitate links to other areas of interest to the group. Members were encouraged to visit the webpage and to also provide related documents for posting on the webpage.

Item 7 : Report of complementary working groups and of the Task Force for identifying priority issues for least developed countries (LDCs) in Africa

VP (Hon) Engr Musa reported that Mr. Sonou and Dr.Mkhize had volunteered to prepare the questionnaire for circulation amongst LDCs of Africa through SARIA, ARID, FARA, RBOs, Regional Economic Bodies, and National Irrigation Directorates of some countries for filling in. Unfortunately, there was no response from any of the LDCs. In the circumstance it was agreed by the TF that the Chairman should conduct a literature review to identify and collect primary data pertaining to LDCs of Africa from the FAO Water Report 29 ‘Irrigation in Africa in Figures’, and to use that to synthesize the challenges and issues for presentation at South Africa in November 2007. Furthermore it was agreed that representative of LDCs from Sudan, Ethiopia, Niger and Central African Republic would be invited along with the LDCs among the SARIA to present their country paper. This would facilitate the emergence of the firmed-up report of the TF.

Item 8 : Any other business

The Chairman used the occasion to thank the group members for their support and to appeal for the same cooperation for his successor.

MINUTES OF THE FIFTH MEETING OF THE
TASK FORCE FOR LEAST DEVELOPED COUNTRIES IN ASIA (TF-LDCsAS)
Sacramento, USA
30 September 2007 : 09.00-12.00 hours

Members Present : (1) Vice President Hon. Dr. Shigetaka Taniyama, Chairman (Japan); (2) Vice President Dr. Huh Yoo-Man (South Korea) represented by Dr. Park Sang Hyun; (3) Vice President Hon. Dr. Hector M. Malano, (Australia) represented by Mr. Jolyon Burnett; (4) Vice President Hon., Dr. Saeed Nairizi (Iran); (5) Vice President Ir. Azhari bin Ghazalli (Malaysia); (6) Mr. S. Seyama, Secretary (Japan) and (7) Er. M. Gopalakrishnan, Secretary General, ICID.

Member Honoraire : Vice President and Chairman, ASRWG Dr. Karim Shiati (Iran).

Observers : (i) Mr. K.N. Sharma, Secretary, ICID CO; (ii) Mr. Laurie Tollefson (Canada); (iii) Dr. Kim, Tai Cheol (Korea); (iv) Mr. Ueda Kazumi (Japan); (v) Dr. Atsushi Marui (Japan); and (vi) Ms. Ellen Pyatt (USA).

Item 1 : Review of the progress since the 3rd meeting in Kuala Lumpur, Malaysia, held on 10 September 2006

The Chairman apprised the TF regarding developments achieved (*since the 3rd meeting held in Kuala Lumpur in line with the Agenda notes*) on 1st Special Session held in Kuala Lumpur on 10 September 2006 and 2nd Special Session and 4th TF meeting held in Tehran on 3 May 2007.

Vice President Dr. Karim Shiati, Chairman, ASRWG in his opening remarks while appreciating the efforts carried out by the TF-LDCsAS mentioned that the TF-LDCsAS should report to PCSPOA about its accomplished activities and the intension of publication of TF Report based on the discussions and corresponding endorsement in ASRWG meeting.

Special Presentation:

The Chairman invited VPH R. Nakamura (Japan) to make a presentation on his paper contributed to the 2nd Special Session but could not present it in Tehran.

VPH Nakamura accordingly made presentation of his paper titled "Effectiveness of small reservoirs in or near irrigated areas in large irrigation system."

VPH Nakamura concluded by saying that in the irrigation systems where appropriate water head difference exists between the upstream and the downstream areas, intermediate reservoirs are very effective in :

- Reducing water conveyance losses in the main canal system; and
- Reducing the needs for delicate operations of canal water level.

There were comments on possible energy losses (Dr. Park), limiting factors related to installation (Mr. Sharma) and similar cases (called "in-system reservoirs") of several thousand CM in Australia (Mr. Burnett). VPH Nakamura explained that usually upper half part of these studied reservoirs is used for routine operations (lower part is used under drought conditions) and that design conditions should be studied further especially on the factors that may be common to the concept presented by Mr. Peter S. Lee, President, ICID about "On-Farm Reservoirs".

Item 2 : Tasks Ahead

Item 2.1 : Organization of fifth meeting of the TF-LDCsAS at Sacramento

The Chairman, VPH Taniyama introduced the comments sent by the Central Office, ICID on the revised summary report of TF to the TF members. The TF members discussed the major comments and decided which one to accept or not. The Chairman subsequently incorporated minor revisions/corrections in the TF Report. (*The revised version was prepared and circulated in the ASRWG meeting held in the afternoon of 30 September 2007*).

Item 2.2 : Publication of documents of TF-LDCsAS

The Chairman distributed to each attendee a copy of the Proceedings of TF including the contributed papers for the two Special Sessions as well as the summary report and other outputs of TF. The Chairman suggested that the Proceeding should be published as a product of ICID, if it is deemed to be worthy of such a publication and it would cost around US\$ 3,000 to print about 500-700 copies (*each copy numbering approximately 100 pages*). The projected printing cost will vary with the number of color pages used.

The suggestion was seconded by Vice President Karim Shiati (Iran) and offered that the Iranian National Committee would contribute US\$ 1,000, on condition that an acknowledgement of the contribution should appear on the back of the cover page assuming that the Japanese or any other National Committee(s) would bear the remaining cost. Mr. Burnett (Australia) announced that the Australian National Committee would also like to contribute US\$ 1,000 for the publication. Subsequently, it was decided that the National Committees of Iran, Australia, Japan and Chinese Taipei will contribute equally to the printing expenditure of the TF Report.

While deliberating the issue, it was suggested to form a team of independent editors to maintain the quality of the publication of TF-LDCsAS to that of a standard ICID publication. On response, Ms. Ellen Pyatt, USA and Mr. Jolyon Burnett, a representative from Australia expressed their willingness to become the editors. The offers were unanimously endorsed.

Item 3 : Winding-up of TF-LDCsAS

The Chairman announced that the TF-LDCsAS is winding up its activities as it successfully completed the mandated tasks given and will put forth concrete recommendations for the consideration of ICID to give more focus on the identified challenges in LDCs.

Dr. S. Nairizi, Vice President Hon., ICID (Iran) summarized in his concluding remarks that this meeting would be the end of TF-LDCsAS and beginning for the ICID members to contribute to the important issues of LDCs.

Item 4 : Any other business

Having settled all the business, the meeting adjourned with vote of thanks to the Chair.

**MINUTES OF THE THIRD MEETING OF THE
TASK FORCE FOR IDENTIFYING PRIORITY ISSUES FOR
LEAST DEVELOPED COUNTRIES IN AFRICA (TF-LDCs-AF)
Sacramento, USA
30 September 2007: 14.00-17.00 hours**

Members Present: (1) Engr. I.K. Musa, Chairman (Nigeria); (2) Dr. Sizwe Mkhize (South Africa); and (3) Secretary General, ICID.

Member Honoraire: President Hon. Aly Shady (Canada)

Observers: (i) Mr. M.S. Adamu (Nigeria); (ii) Mr. Tchouadang Kadjonga (Chad); (iii) Mr. Boubakari Mana (LCBC).

Item 1 : Membership of the Task Force

The Ethiopian National Committee (ETCID) proposed the nomination of Mr. Makonnen Loulseged. Mr. Makonnen is the Chairman of the ETCID. The TF had no objection to his nomination although he could not attend the meeting due to financial constraints.

Item 2 : ICID membership of least developed countries in Africa

The TF reiterated its stand on ways 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 Organisations (RBO). Central Office should liaise with active National Committees to identify focal person or National Director of Irrigation where such office exists in ICID non-member countries amongst the LDCs of Africa.

Item 3 : To Review the process for bringing out a final report of the TF

The Chairman was yet to conclude the literature review to collect primary data pertaining to LDCs of Africa (with emphasis on the FAO Water Report 29 'Irrigation in Africa in Figures'). The sub-committee comprising Messers Sonou and Mkhize who were to distribute the questionnaire to the LDCs of Africa and receive their response well in advance of the Sacramento meeting were unable to get any response.

The members agreed to table a draft report of the TF to be firmed up in a special session to be organized on the sidelines of 2nd African Regional Conference in November 2007 in South Africa. It was agreed further that representative of LDCs in SARIA along with those from four other LDCs in Africa were to be invited to present their Country Paper to provide update and direct stakeholders insight. The firmed-up report is proposed to be presented in a joint special session with LDCs-AS in Lahore, Pakistan at the time of 20th ICID Congress, so that the final joint report of LDCs will be presented at the IEC meeting to be held in 2009 at Abuja, Nigeria.

Dr Mkhize promised to explore sponsoring representative from Ethiopia, Sudan, Niger and Central African Republic to the session in South Africa in November 2007. Mr. M. S. Adamu to provide names of focal persons from Niger and CAR, while contact persons from Ethiopia and Sudan to be provided by Central Office.

Item 5 : Tenure of the Task Force

The TF resolved to work hard to ensure speedy completion of its activities preferably by November 2007 but not later than 20th ICID Congress in Lahore, Pakistan in 2008. It proposed that the combined final outcome/recommendations of the TF on Asia and Africa be presented at the 60th IEC and 3rd African Regional Conference at a special workshop to be held in Abuja, Nigeria in 2009.

Item 6 : Any other business

PH Aly Shady requested to African Delegates, and in particular the TF to work closely with AFRWG to come up with strong representation at WWF-5 in Istanbul that would appropriately bring the issues of LDCs in Africa to the attention of World Community.

**MINUTES OF THE TWENTY-SEVENTH MEETING OF THE
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)
Sacramento, USA
03 October 2007 : 09.30-12.40 hours (Session-I)
03 October 2007 : 14.00-18.15 hours (Session-II)**

Year of Establishment: 1981

Members Present : (1) Dr. Hector Malano, Chairman (Australia, 2005) represented by Dr. Willem F. Vlotman; (2) Mr. Bruno Molle, Vice Chairman (France, 2006); (3) Mr. Larry D. Stephens, Secretary (USA, 2003); (4) Dr. G.G. Guluyk (Russia, 2002) represented by Dr. Nikolay G. Kovalev; (5) Mr. R. Jeyaseelan (India, 2004) represented by Mr. B.S. Ahuja; (6) Prof. Daniele De Wrachien (Italy, 2005), represented by Dr. Graziano Ghinassi; (7) Dr. Yohei Sato (Japan, 2005) and (8) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers Present : (i) Mr. Bruno Molle, ISO Representative ; (ii) Dr. Carlos Garces-Restrepo, Program Manager, IPTRID.

Ex-Officio Members Present : (i) Vice President Hon. Alain Vidal, Strategy Theme Leader 'Knowledge' (France); (ii) Dr. Ing. Willem F. Vlotman, Strategy Theme Leader 'Systems' and Chair, WG-DRG (Australia); (iii) Vice President Hon. Henri Tardieu, Strategy Theme Leader 'Basin' (France); (iv) Vice President Hon. S. Nairizi, Strategy Theme Leader 'On-Farm' (Iran) and Chair, WG-IADWS; (v) Mr. Stephen Mills, Acting Chair, WG-TRUE (Australia); (vi) Prof. dr. Bart Schultz, Chair, EB-JOUR; (vii) Mr. B. Molle, Chair, WG-CD (France); (viii) Mr. L.D. Stephens, Chair, C-PR&P (USA); (ix) Prof. N. Hatcho, Chair, WG-HIST (Japan); (x) Prof. Tom Franks, Chair, WG-CBTE (UK); (xi) Dr. Thierry Rieu, Chair, (WG-SOCIO) represented by Dr. Willem F. Vlotman (Australia); (xii) Mr. Maurits Ertsen, Chair, WG-MIS (The Netherlands); (xiii) Dr. Park, Sang-Hyun, Chair, WG-SDTA (Korea); (xiv) Dr. Hu Heping, Chair, WG-ENV (China); (xv) Ir. Dick de Bruin, Chair, WG-CAFM (The Netherlands); (xvi) Dr. Mark Svendsen, Chair, WG-CLIMATE (USA); (xvii) Dr. Ragab Ragab, Chair, WG-CROP & WG-PQW (UK) and (xviii) Mr. Felix B. Reinders, Chair, WG-ON-FARM (South Africa).

Members Honoraire and Observers : (i) Mr. Peter S. Lee, President, ICID (UK); (ii) Mr. François Brelle, Vice Chair, WG-MIS (France); (iii) Dr. G.A.P.H van de Eertwegh, Secretary, WG-ENV (The Netherlands); (iv) Mr. Charles Abernethy (UK); (v) Dr. I.B. Shaikh (Pakistan); (vi) Mr. Hasan Basri Yüksel (Turkey) and (vii) Mr. K.N. Sharma, Secretary, ICID.

Dr. Hector Malano, Chairman, PCTA was unable to attend the Sacramento IEC Meeting; Dr. Willem Vlotman chaired the meeting.

Item 1 : Confirmation of minutes of the 26th meeting of PCTA held at Kuala Lumpur, Malaysia, 13 September 2006

Minutes of the Kuala Lumpur meeting of PCTA were confirmed.

A. CONTINUING ITEMS

Item 2 : Membership of the Committee

2.1 Following nominations were approved for membership:

Dr. Nikolay G. Kovalev (Russia)
Mr. Hasan B. Yüksel (Turkey)

Acceptance of the following nomination was postponed until the nominee is able to attend a PCTA meeting:

Mr. S.K. Sinha (India) represented by Mr. B.S. Ahuja.

Item 3 : Composition of Workbodies

3.1 Recommendations of Workbodies for the positions of Chairmen/Vice Chairmen/Secretaries

WG-MIS recommended Mr. Maurits Ertzen (The Netherlands) as Chairman, and Mr. Francois Brelle (France) as Vice Chairman.

WG-DRG recommended Mr. James Ayars (USA) as Vice Chairman.

WG-CAFM recommended Dr. I.B. Shaikh (Pakistan) as Chairman.

WG-TRUE recommended Dr. Linden Vincent (The Netherlands) as Chair, Dr. Shaden Abdel-Gawad (Egypt) as Vice Chair and Dr. John Replogle (USA) as Secretary.

The above recommendations were approved.

3.2 New membership proposals for Working Groups

The following proposals were approved:

Editorial Board for ICID Journal (EB-JOUR)

Dr. Jingzhong Yang (China) in place of Prof. Xu Zhifang
Dr. Nicolaas Cornelis van de Giesen (The Netherlands)
Dr. Bruce Lankford (UK) in place of Mr. Melvyn G. Kay

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

Dr. Na, Jeong-Woo (Korea)

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

The nomination of Dr. Han Zhenzhong (China) was received, but as the Working Group completed its work at the Sacramento meeting, potential members are encouraged to submit their nominations to the newly established workbodies -- TF-POVERTY or the TF-FIN -- for consideration.

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

Mr. François Brelle (France) in place of Mr. François Onimus

No further new nominations were considered as the group concentrated on organising itself and its contents. It is recommended that applications from various NCs be (re-)submitted for the next meeting in Lahore. Central Office may advise previous applicants of this.

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

Dr. Mark Svendsen (USA) in place of Mr. John Osterberg
Dr. Yuan Hua Li (China) in place of Prof. Kaipeng Jiang

Working Group on Drainage (WG-DRG)

Mr. Bernard Vincent (France) in place of Dr. Sami Bouarfa

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

The Working Group completed its work in Sacramento; no new nominations were considered. A successor workbody is proposed to start in Lahore 2008 (with a new name WG-DROUGHT). NCs are encouraged to submit nominations for the newly proposed workbody.

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

Dr. Ruey-Chy Kao (Chinese Taipei)
Mr. Teoh Weng Chaw (Malaysia) in place of Ir. Mohd. Azhari bin Ghazalli

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

Ir. Jos van Alphen (The Netherlands)
Mr. A.K. Ganju (India) in place of Mr. R. Jeyaseelan

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

Mr. Kim Russell (Australia)
Dr. Ray-Shyan Wu (Chinese Taipei)
Ms. Nurgül Üzücek (Turkey)
Dr. Andre Musy (Canada)
Dr. Krishna Kumar Kanikicharla (India)

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

Dr. Mohan Reddy Junna (USA) in place of Dr. Jim Ayars

Working Group on Technology and Research Uptake and Exchange (WG-TRUE, formerly WG-R&D and AC-IPTRID)

Current membership of WG-R&D and AC-IPTRID will continue. No new nominations were considered at this time. NCs are asked to submit nominations for Lahore 2008.

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

Activities of this WG were completed. No new nominations were considered at this time. NCs are asked to submit nominations for a potential successor WG under the Theme Knowledge for Lahore 2008

Task Force on Financing Water for Irrigation, Drainage and Flood Management, renamed TF on Financing Water for Agriculture (TF-FIN)

Nominations were invited for Lahore 2008.

3.3 Websites of ICID Workbodies

While most of the workbodies have already established their web pages, the following workbodies are yet to set up their web pages:

- Working Group on Environmental Impacts of Irrigation, Drainage and Flood Control Projects (WG-ENV)
The Chairman reported that content for the WG will soon be available.
- Special Work Team on Lake Chad Basin (ST-LCB) - Prepare linkage to existing website.
- American Regional Working Group (AMRWG). It was noted that the WG is not active.
- Special Work Team on Aral Sea Basin (ST-ARAL) - Prepare linkage to **SANIIRI** website.

Item 4 : ICID Internal Review – Functioning of ICID Technical Workbodies

It was suggested that Central Office clarify the role of Strategy Theme Leaders in the definition of mandates and that the Internal Review of the functioning of workbodies be enhanced as outlined below. The role and functioning of the Theme Leaders needs a review (e.g. Meetings between Theme Leaders and the Chairmen of the workbodies under the Theme.)

4.1 Review

VPH Dr. Alain Vidal noted that the Internal Review by PCTA was included in the Annex to the Agenda for the PCTA. The internal reviews of PCSPOA and PFC, along with the review by PCTA, will be given to the External Review Committee.

President Honoraire Schultz noted that the PCTA review should address the issue of inactive workbodies and recommended that the terms of workbodies be more flexible to reflect the assignment given to a workbody.

4.2 Suggestions for new workbodies

The proposed workbody on “Impact of Irrigation and Drainage on Livelihood and Poverty Alleviation” was discussed by VPH Dr. Alain Vidal. A workshop on the topic will be held on 4 October and further evaluation of the proposed workbody will be made. President Lee urged PCTA to approve the workbody so that work can be undertaken immediately. PCTA recommended that a Task Force on “The Role of Irrigation on Poverty Alleviation and Livelihoods” be created under the auspices of the Theme ‘Systems’. It was recommended that a contribution be prepared by the TF for WWF5.

Ir. Paul van Hofwegen (WWC) summarized the first meeting of the Task Force on Financing Water for Agriculture (TF-FIN). The Task Force recommended Ir. van Hofwegen to serve as Chairman and Mr. Eric Viala (USA) as Vice Chairman of the TF-FIN. The proposed mandate of the new workbody is “To formulate an ICID position on the demand-side financing of water for agriculture and the need for more appropriate financing mechanisms in the fast-changing context of the agricultural sector.”

4.3 Reorganizing various workbodies under 4 Strategy Themes

It was agreed to move the TF-FIN to Theme ‘Systems’. The TF on Poverty Alleviation will be placed under either ‘On-Farm’ or ‘Systems’ subject to findings of the TF workshop on 4 October. **Figure 1 (Annex 2, page A-57)** shows the Coverage of scale and domain of ICID Work Bodies of the PCTA.

Item 5 : Consideration of reports of Chairs of Workbodies followed by those of respective Theme Leaders

5.1 Presentation by Workbodies under the Strategy Theme–Knowledge (ST. K)

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

Mr. Stephen Mills (Australia), Vice Chair of the Advisory Committee, reported on the current work of the workbody. Its new name will be Working Group on Technology and Research Uptake and Exchange (WG-TRUE). The acting Chair Mr. Stephen Mills will prepare a slightly modified mandate. The workbody plans to organize a workshop in Lahore in conjunction with its regular meeting and requested for an afternoon meeting of 4 hours.

5.1.2 *Editorial Board for ICID Journal (EB-JOUR)*

PH Bart Schultz provided information about the Journal, including statistics about papers being submitted for publication and issues published during 2007. He summarized hits on the Wiley website and the Citation Index rating. In 2008, 5 regular issues and one special issue will be published. A new 5-year contract with M/S Wiley is being negotiated, to begin in 2009.

An award for the best paper published in the Journal during 2006 will be presented during the Sacramento IEC Meeting.

New Joint Editors will begin their terms in 2008, and the Chair will continue until the 2009 IEC Meeting.

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

Mr. Bruno Molle, Chairman of the WG noted that an update of the Multilingual Technical Dictionary is underway. The anticipated completion date is December 2007. He further noted that the Indonesian National Committee is planning to translate the updated MTD into *Bahasa* language. The MTD will thus be available in sixteen languages.

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

VPH Larry Stephens reported that the Committee concurred with the Management Board to continue the Committee in the current form. The Committee will continue to review the ICID Newsletter and the ICID website, offering suggestions to Central Office for improvements.

A suggestion was made at the PCTA meeting that the C-PR&P could also advise on the suitability of material/outputs of workbodies for publication (i) in ICID Journal (ii) as ICID publication/book or (iii) on website.

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

Prof. Hatcho described the WG outputs during the past year, including a History document from Malaysia and two Seminars during ICID regional meetings. A History Seminar will be held in Lahore and the WG plans to make a contribution to WWF5.

The WG will provide a recommendation for an updated mandate that will include more cross-cutting aspects (not just technology) and new WG name.

5.1.6 Synthesis and Recommendations by Theme Leader on Knowledge (ST.K)

The Synthesis (**Annex 1**) was presented by Dr. Alain Vidal. He recommended that all workbodies should improve their knowledge factor and explore how to develop communication between ICID and farmers and other water users. Ir. Paul van Hofwegen noted that ICID should develop a communications strategy. The Chairman recommended that the Committee on Public Relations and Publications consider this issue. However, President Peter Lee suggested that this was a strategic issue that should be addressed by the Permanent Committee on Strategy Planning and Organizational Affairs (PCSPOA).

A number of strategic knowledge dissemination tools were discussed (e.g. more face to face communication, various forms of publications, networking, demonstration, etc) and it was recommended that PCSPOA prepare a draft strategy paper on communication for ICID.

Mr. Stephen Mills reported on a successful initiative in Australia to involve farmers with water supply providers.

5.2 Presentation by Workbodies under the Strategy Theme – Systems (ST.S)

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

Prof. Tom Franks reported that the WG has been concluded. He reviewed the activities of the WG during the 11 years of its existence. He thanked IPTRID for the financial and professional support provided. He noted that capacity building is a topic that should be further examined by ICID but no one has volunteered to take the lead.

Following discussion, it was agreed that the topic of capacity building should be moved to the Theme 'Knowledge'. However, further action is problematic, since there is no volunteer to lead.

5.2.2 Working Group on Socio-economic Impacts and Policy Issues (WG-SOCIO)

As Theme Leader, Dr. Willem Vlotman reported that none of the WG officers were in attendance, so he was requested to chair the meeting and prepare the minutes. The WG has completed its work. Dr. Vlotman will follow up to ensure that unfinished work is finalized appropriately. Other activities will be transferred to the new TF on "The Role of Irrigation on Poverty Alleviation and Livelihoods", the WG-MIS and the new TF-FIN as appropriate, subject to acceptance by the new workbodies.

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

New Chairman and Vice Chairman were elected. Mr. Francois Brelle reported for the Working Group, which met on 1 October. Mr. Maurits Ertsen (Chairman-elect) noted that the WG is beginning its activity and is considering the workplan to be circulated by the end of the year 2007. PCTA recommended that the mandate and tenure be accepted (till 2013).

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

Dr. Mark Svendsen, who replaced Dr. John Osterberg as the US representative to WG-WATS, chaired the WG meeting. The mandate and workplan of the workbody were revised. PCTA recommended the approval of the mandate and workplan. Modification to the selection process and financing of the WatSave awards were prepared. PCTA recommended acceptance of these and extension of the life of the WG till 2013.

5.2.5 Working Group on Drainage (WG-DRG)

Dr. Vlotman, Chair, reported that the WG celebrated its 25th anniversary by means of two publications: a Special Report on Performance Assessment of Drainage Systems published online by Commonwealth Scientific and Industrial Research Organization (CSIRO) and a Special Issue of the Journal on Drainage, with 20 key articles on drainage throughout the world. A review of the work achieved by the WG is contained in several articles in the special issue. The WG mandate has been revised and a new workplan proposed. PCTA recommended approval of the new mandate with a completion date of 2013.

5.2.6 Synthesis and recommendations by Theme Leader on Systems (ST.S)

Dr. Vlotman reviewed the activities of the workbodies under Theme Systems in his Synthesis Report (**Annex 2**). He recommended that close-out and start-up procedures of workbodies be clarified and perhaps a 2-page guide for each can be prepared by PCTA and the Central Office.

Mr. P.S. Lee observed 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 the theme 'Systems' but also by all the workbodies of ICID.

PCTA recommended that the guidelines be prepared by Central Office and uptake of the topics of Safety and Multiple Use of Systems should be considered by all workbodies.

5.3 Presentation by Workbodies under the Strategy Theme – Basin (ST.B)

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

Dr. S. Nairizi reported for the WG, noting that with preparation of the document "Irrigation under Drought and Water Scarcity," the WG has completed its initial mandate. The WG proposes that a new WG, "Water Management in Water Stressed Regions," be created. Three sub-topics proposed to be considered under it would be 1. Drought Management Strategies, 2. Coping with Water Scarcity, and 3. Rainfall Management for Sustainable Agriculture. Some discussion on the name and mandate ensued and it was decided that a detailed mandate and workplan be prepared for the Lahore Meeting of PCTA. Drought mitigation was thought to be an appropriate main task for the new WG.

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

Dr. Park Sang Hyun, Chairman of the WG reviewed the extensive WG activities, including preparation of a Handbook on SDTA and a draft Position Paper on SDTA. The mandate of the WG was extended last year until 2009.

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

Dr. Ge van den Eertwegh, Secretary of the WG, presented information regarding WG activities. He reported that the WG proposes to organize a workshop during the Lahore IEC Meeting. A new mandate has been prepared and submitted for approval.

PCTA recommended the preparation of a position paper for 2009 along with acceptance of the new mandate.

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

Ir. Dick de Bruin reported for the WG, noting that the WG has produced the manual *Planning of Structural Approaches to Flood Management* and a position paper on *The Management of Riverine Flood Risk*. PCTA recommended that ICID endorse the position paper.

The WG has organized a half-day workshop during the Sacramento IEC Meeting and proposed that a one-day workshop be held during the IEC Meeting in Lahore. PCTA recommended approval of the workshop. A CD will then be produced including the workshops plus other products developed by the WG.

During the Lahore IEC Meeting, the WG will recommend creation of a new Task Force on Value Engineering, Asset Management and Maintenance. PCTA will consider the proposal if presented in Lahore.

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

Dr. Mark Svendsen noted that in the WG meeting there were 32 observers. The new name of WG is proposed to be “Climate Change and Agricultural Water Management.” The WG will hold a workshop in Lahore. The WG is considering offering papers for a Special Issue of the ICID Journal with possible funding by Environment Canada. It was noted that the WG will complete its mandate in 2011. PCTA recommended to IEC for approval of the new name and change in the mandate of the WG.

5.3.6 Synthesis and recommendations by Theme Leader on Basin (ST.B)

VPH Henri Tardieu presented the Synthesis Report (**Annex 3**) for Theme ‘Basin’. He suggested ICID to offer Climate Change inputs for WWF5. He noted that the WG on Sustainable Development of Tidal Areas had done an excellent work in the preparation of the draft Position Paper on SDTA.

5.4 Presentation by Workbodies under the Strategy Theme – On-Farm (ST.OF)

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

Dr. Ragab Ragab, WG Chairman, made the report on the WG activities. He noted that the proposed new name of the WG is Water and Crops. The revised mandate is available in the WG minutes. PCTA recommended for the approval of the new name and mandate and to extend the mandate completion by six years.

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

Dr. Ragab Ragab, WG Chairman, made the report on the WG activities. The proposed new mandate of the WG was included in the WG minutes. It was suggested that the classification of water quality needed further elaboration. PCTA recommended that the new mandate be adopted.

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

Vice President Felix Reinders, Chairman of the WG, noted the excellent turnout for the WG meeting — 15 of the 20 Members attended, as also approximately 20 observers. He reported that a Manual on “Performance Evaluation of Sprinkler and Drip Irrigation System in Different Agro-Climatic Regions of the World” will soon be ready for publication with financial support for printing by the Italian National Committee on Irrigation and Drainage. A new mandate will be developed for presentation at the Lahore IEC Meeting. Possible inputs for WWF5 were considered but not deemed likely. It was also suggested that more consideration be given to surface irrigation and small holders in the activities of the WG.

5.4.4 Synthesis and recommendations by Theme Leader on On-Farm (ST.OF)

VPH Dr. Nairizi in his Synthesis Report (**Annex 4**) noted that all three WGs under the theme were in the process of developing new mandates. He urged the WG-ON-FARM to devote more attention to surface irrigation. He also suggested clarification of indicators to calculate efficiency, productivity and efficacy of irrigation projects.

Item 6 : ICID Task Forces**6.1 Composition of Task Force to Guide ICID Inputs to WWF-5**

PH Aly Shady made a presentation regarding World Water Forum 5. He asked that the ICID workbodies consider what issues should be included in the ICID contribution to WWF5 for presentation to IEC on 5 October 2007.

6.2 Report of Task Force to review Inter-Basin Water Transfers (TF-IBWT)

PH Bart Schultz reviewed the preparation of the Task Force Report, noting that the Chapters 1-4 were in final stage, while Chapters 5 and 6 were still under preparation. Request for funding the publication was discussed. An indication of the budget in the ICID Account has been provided and a donor is being identified. The Task Force has met for the last time, in addition to organizing a half-day Special Session in Lahore where the finalized Task Force Report will be presented.

Item 7 : Prioritized Top Ten Technologies Capable of Revolutionizing Food Production

President Lee believes that ICID should address these new Technologies as a matter of priority that might revolutionize food production. The Agenda lists 10 such Technologies that he has suggested. On-Farm Reservoirs is another focus that may be highlighted under this examination. A brief introduction on the background and introduction to the top ten technologies was missing in the agenda. President Lee reported about the enthusiastic reactions by various donor organizations and the list of Top Ten Technologies was helpful in providing donors of IPTRID formulating and approving the future direction of IPTRID.

PCTA therefore recommended that this list should get a higher status and may be formulated into a position paper of ICID. The Chairman asked Mr. Bruno Molle and Dr. Carlos Garces to work with President Peter Lee to further explore opportunities for using the list of Technologies.

Items for Information

The Chairman asked the members to independently review the items for information. PCTA noticed that in particular, the UN organizations were missing in the list and recommended that ICID Central Office update the list below.

Item 8 : ICID's Cooperation with International Organizations**8.1 World Water Council (WWC)****8.2 International Water Management Institute (IWMI)****8.3 International Standards Organization (ISO)****8.4 Food and Agriculture Organization of the United Nations (FAO)****8.5 International Water-related Associations' Liaison Committee (IWALC)****8.6 Global Water Partnership (GWP)****8.7 Arab Water Council (AWC)****8.8 International Fund for Agricultural Development (IFAD)****8.9 International Commission on Large Dams (ICOLD)**

Item 9 : ICID Congresses/Conferences

- 9.1 4th Asian Regional Conference, Tehran, Iran, 02-05 May 2007
 - 9.2 22nd European Regional Conference, Pavia, Italy, 02-06 September 2007
 - 9.3 58th IEC and USCID's 4th International Conference on Irrigation and Drainage, Sacramento, USA, 30 September – 06 October 2007
 - 9.4 2nd African Regional Conference, Johannesburg, South Africa, 06-09 November 2007
 - 9.5 10th International Drainage Workshop, Helsinki, Finland, 06-11 July 2008
 - 9.6 59th IEC and 20th International Congress on Irrigation and Drainage, Lahore, Pakistan, 13-19 October 2008
 - 9.7 5th Asian Regional Conference, New Delhi, India, December 2009
- Mr. B.S. Ahuja outlined plans for the Regional Conference. A Call for Papers will be issued soon.
- 9.8 60th IEC and 3rd African Regional Conference, Abuja, Nigeria, 2009
 - 9.9 61st IEC and 6th Asian Regional Conference, Jogjakarta, Indonesia, 05-12 September 2010

Item 10 : Any other business

PCTA recommended that the workbodies review the Permanent Observers associated with them and to invite the organizations to nominate new Permanent Observers, if necessary.

SYNTHESIS REPORT BY STRATEGY THEME LEADER ON KNOWLEDGE

**Dr. Alain Vidal, Theme Leader, Vice-President Hon., ICID
Sacramento, 3 October 2007**

The Strategy Theme 'Knowledge' now includes five workbodies: the joint IPTRID Advisory Committee (AC-IPTRID) and Working Group on Research and Development (WG-R&D), the ICID Journal Editorial Board (EB-JOUR), the Working Group on Coordination of Dictionaries (WG-CD), the Committee on Public Relations and Publications (C-PR&P), and the Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST).

The report from AC-IPTRID and WG-R&D was not available at the time of the synthesis presentation. The merger between AC-IPTRID and WG-R&D has taken place, with the group now being called WG-TRUE (Technology and Research Uptake and Exchange).

On C-PR&P, it should be emphasized that ICID Newsletter and website remain key elements of our communication. The EB-JOUR report shows excellent progress of the Journal, which is still one of the most significant ICID's achievements. The journal has a high submission rate, as well as ICID workbodies asking for Special Issues. The issue of increasing the number of issues per year, while keeping the high quality of the Journal, should be further considered. The WG-CD is achieving the preparation of the 3rd edition still ongoing, that will be completed by early 2008 and multilingual (16 languages). Choice still to be made between CD or web-based version, left to the C-PR&P.

The refocus on WG-HIST on lessons from history for development, dealing with research on history, and cross-cutting issues on historical lessons (e.g. governance), is well in phase with 2005 recommendations on putting our knowledge to the service of farmers and practitioners. An enhanced use of website is still expected, to make the abundant information synthesised available for all.

In conclusion the Knowledge Theme workbodies have accomplished a significant effort to improve their efficiency and effectiveness, a lot is expected in the forthcoming years, keeping in mind the 2005 recommendations. In particular, workbodies under ST on Knowledge should assess we have developed our K (knowledge) factor since 2005, i.e.

- How far did we go in putting our knowledge to the service of farmers and practitioners, taking into account their objectives and the constraints they face
- How well did we bridge the gap between
 - Technology and management innovations that have failed or never reached beneficiaries
 - Others innovations remaining unknown to our community.

Hence it is recommended that WBs under this strategy theme include a dedicated item in their agenda to review the progress made on developing the ICID K factor.

SYNTHESIS REPORT BY STRATEGY THEME LEADER ON SYSTEMS

Dr. Willem F. Vlotman, Theme Leader
Sacramento, 03 October 2007

The following Working Groups are in the Theme Systems:

- WG on Capacity Building, Training and Education (WG-CBTE)
- WG on Drainage (WG-DRG)
- WG on Modernisation of Irrigation Services (WG-MIS)
- WG on Socio Economic Impacts and Policy Issues (WG –SOCIO)
- WG on Water Saving for Agriculture (WG-WATS)

The position of each workbody with respect to catchment scale and domain are shown in Figure 1.

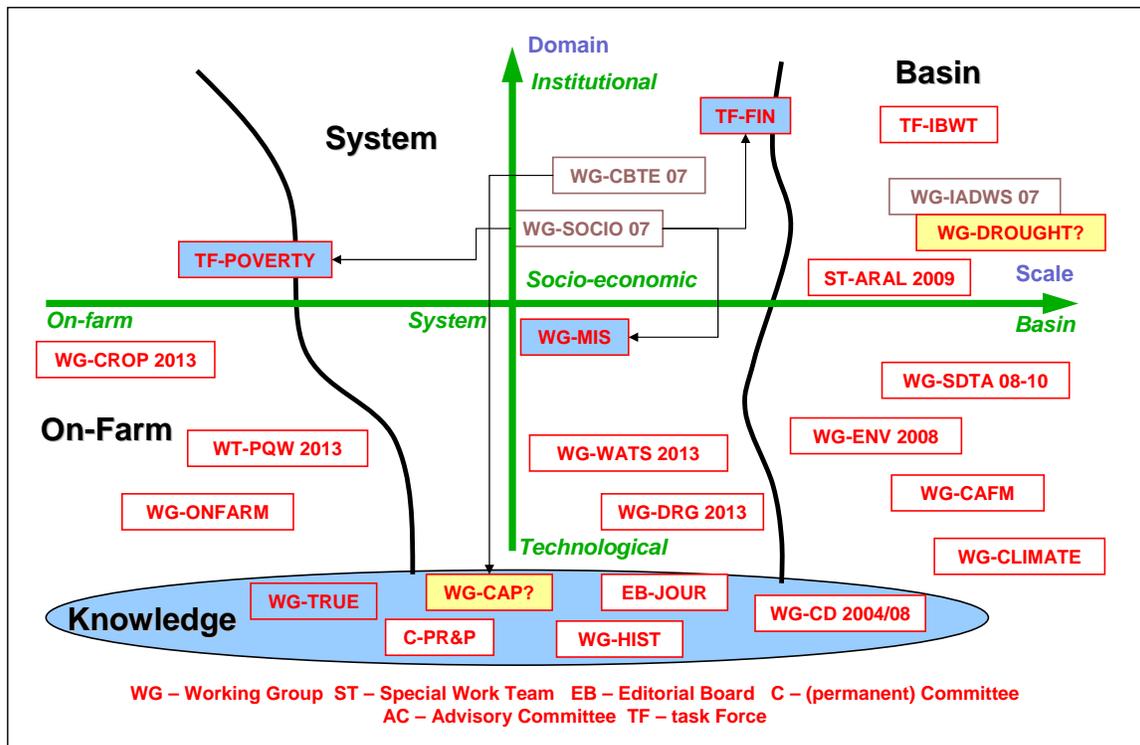


Figure 1. Coverage of scale and domain of ICID Work Bodies of the PCTA

WG- CBTE, p A-123 in agenda

- The WG finalised its activities this year. The Group had a difficult and slow start but recovered midway primarily due to several very active members and other professionals interested in the work of the group and because of funding support from IPTRID to help with publishing the outcomes of its various workshops held over the years.
- All three objectives were achieved and a compilation of cases: workshops, status training programs, and a balance of need and provisions are provided.
- Weakness, the processes of Capacity Building not highlighted enough; generally articles describing capacity building started with a brief mention of the processes involved but then went in great detail describing technical contents of training rather than elaborating on the drivers, methods and related processes of capacity building.
- It is recommended that a new work body be started under the theme Knowledge.

WG-DRG, p A-107 in agenda

- New Mandate prepared for approval and recommended for acceptance by the IEC.
- A vice Chairman was elected and a new secretary proposed by the French National Committee and this was accepted by the group
- Finalized two publications as part of 25 yrs commemorations: A special report on Performance Assessment of Drainage systems and a Special issue of the Journal on Drainage (due for publication in Nov/Dec 2007). Hardcopies were shown to the group.
- Formulated new activities and assigned facilitators and team members
- Outputs not yet clearly defined/described. It is recommended that the group pay more attention to this and or revise the minutes of the meeting if this was discussed in more detail.

WG-MIS, p A-151 in agenda

- Started this year; 2007
- Chairman and Vice Chairman were elected and Secretary position is still available
- Mandate discussed and a brief max 5 line mandate will be formulated, The Chair was asked to provide this for official inclusion in the minutes
- Brainstorming on possible topics, triggers for modernisation, external and internal.
- The first activity of the group was to be co-organiser with FAO on Workshop in Lahore; the chair will follow-up
- Past activities outstanding are for old members to finalise; the new group will not take on this burden, benchmarking terminated.

WG-SOCIO, p A-187 in agenda

- This working group has been struggling with keeping continuity in its key officers attend meetings regularly, while in between meeting also very little action was undertaken.
- The group had a very elaborate mandate with Socio-economic objectives that should not be combined as they require experts in different disciplines.
- It is recommended that in future Work Bodies Sociological and Economic Aspects be dealt with in separate Work Bodies.
- On Thursday Oct 4, 2007, there is a Workshop on Poverty Alleviation which may cover the social aspects that were intended to be addressed by this group. It is recommended that members of the WG-SOCIO attend this workshop and consider joining an intended Work Body from this Workshop.
- Transfer of some of the on-going and outstanding activities of WG-SOCIO may be considered to new TF-POV and TF-FIN. The Theme Leader Systems will follow-up.
- WG-SOCIO concluded its activities at the Sacramento 2007 meeting.

WG-WATS, p A-167 in agenda

- The activities of the WG were discussed in great detail by the members present and a new mandate was prepared that gives new life to the WG
 - Activities can be separated in **permanent activities**: i.e. activities related to the WATSAVE awards (clarification of criteria, funding arrangements)
 - **Current activities**:
 - Ongoing: finalise publication on WATSAVE awards and related articles. Make sure to include all past awards and check what status of the application of the various wards is.
 - New activities: separate WG meeting in business part and presentations part; no separate workshops (2007 cancelled and no concrete plans or outline for 2008)
-

Conclusions and Recommendations

- Push for revitalisation of Mandates successful
- Emphasis on clearly formulated activities with facilitators assigned
- Need for start up procedures for Working group including function descriptions on 2 A4s and Mentoring role of Theme Leaders: **PCTA to establish a work team to do this!** Figure 2 outlines a proper set up of a Work Body.
- Close out procedures to be specified; DMIS not done properly; WG-SOCIO Theme Leader and representatives of certain members to follow-up. **PCTA to establish a work team to do this!**
- Training of Chairman, Vice Chairman to be organised by PCTA
- Training of Theme Leaders and Dep. TLs
- Officer Training sessions every year
 - Duties
 - Procedures
 - Expectations
 - Past experiences
- Establish and implement Working Group close out procedures, e.g.:
 - Website to be moved to data base section
 - Publications properly archived in Text Delivery Service
 - Recommendation on how to finalise unfinished business or recommend to terminate, transfer to new WG of old tasks in a No-No
 - However suggestions for gaps in know-how that may be addressed by a new or other WG are appropriate, but need to be followed up by the old group; just putting them on paper is not sufficient

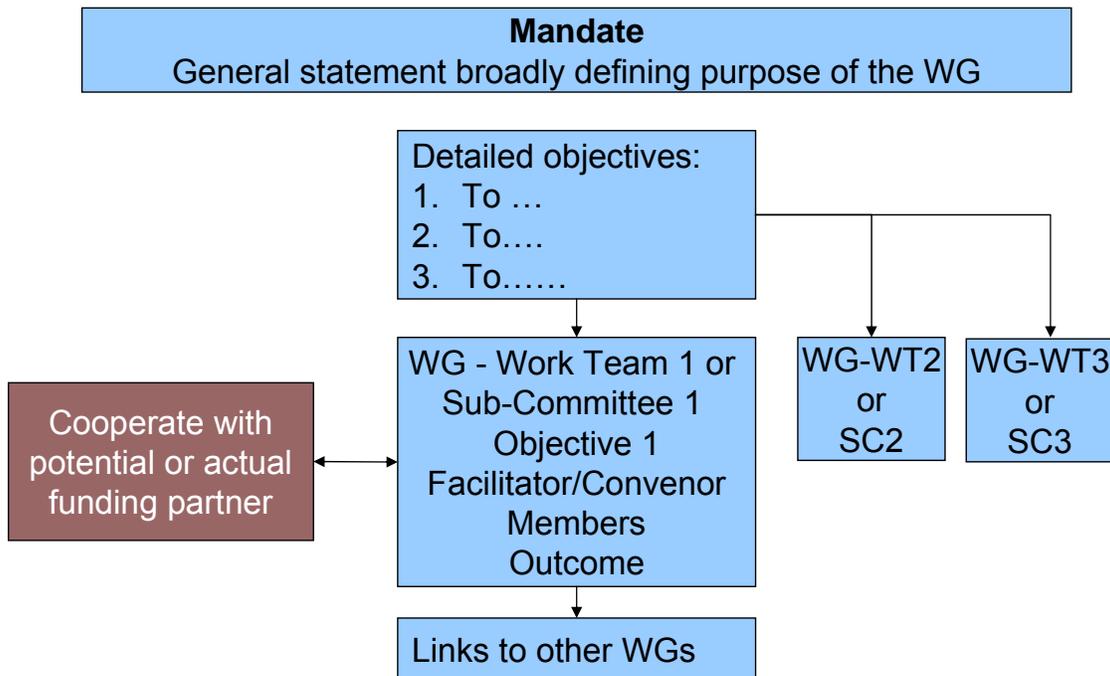


Figure 2. Structure of a work body at ICID

SYNTHESIS REPORT BY STRATEGY THEME LEADER ON BASIN

**Dr. Henri Tardieu, Theme Leader, Vice-President Hon., ICID
Sacramento, 03 October 2007**

Since 2006 five WGs contribute to the theme "Basin": WG-ENV, WG-CLIMATE, WG-IADWS, WG-CAFM, WG-SDTA. The chair also has to consider how to include the new task force devoted to "financing water for agriculture". According to the recommendation of the chair, WGs are considering their closure or renewed mandates.

ICID is engaged in the preparation process of the WWF5 in Istanbul in 2009. The first theme proposed by the WWC is "Global Changes & Risk Management". The theme "Basin" should help ICID to formulate its principles and positions so that other water sectors more clearly perceived the messages from the irrigation community.

Global Changes and environment**WG-ENV**

The WG-ENV has revised its mandate and has chosen to focus on the impact analysis of I&D activities and projects, letting WG-CLIMATE tackle the general issue of climate change and its impact on water management. WG-ENV plans to draft a Position Paper which could be useful for the ICID contribution at WWF5. The proposal from the chair is to close the WG in 2008 and to set up a new working group "on bio-systems and environment". I consider it probably a good idea to enlarge the field of impact analysis, but the group should remain focussed on water management for agriculture. I suggest to consider what is now seen as the "continuum rainfed to irrigated agriculture".

WG-CLIMATE

The WG-CLIMATE is actively tackling its work plan with a large attendance to meeting. After a change of names, it is clear that the WG will focus on "adaptation" to climate change and will not deal with "mitigation" measures. Adaptation measures will impact I&D and FC activities and projects which are considered as means to manage water for sustainable agriculture. The workshop held in Sacramento and the one planned for Lahore 2009 are good opportunities for sharing experiences on country case studies and understand climate change as a "global phenomenon with local impact". But I recommend to try to go further in formulating some principles shared by ICID colleagues. For example in relation to increasing water scarcity: in the present debate on food security, biofuels and increasing world prices, it is important to show the limit of the adaptation measure to reduce water allocation for agriculture. As the main issue considered by WWF5 is "adapting to climate change: understanding the impact of climate change, vulnerability assessments and adaptation measures", ICID contribution should benefit from WG-CLIMATE contribution.

Risk management**WG-IADWS**

WG-IADWS is completing its ambition to produce a book on "Irrigated agriculture under drought and water scarcity". The chairman still has to finalize the 7 chapters and launch the publishing process to complete the book. It is proposed to PCTA to now close the working group. I support this proposal. Nevertheless, I suggest to write a short synthesis of the book and to propose it for publication in ICID newsletter as a reminder of the work accomplished. It is also proposed to set up a new WG with a different mandate: "water management in water stressed regions". What I would find innovative would be to address "rainfall management" as a part of agriculture and environment water management, including methods to reduce soil evaporation and change in land uses. Even if it is at the edge of ICID mandate, I support the idea to go further in green water assessment and management as an essential way to address water scarcity. But the new chair will have to precise the mandate and the new activities.

WG-CAFM

Flood Control is embedded in ICID name. Even if ICID is better known for its expertise in irrigation, we have to remember that floods are the most important cause of natural disasters (and human casualties) and largely affect the rural poor in low cultivated plains. In the last three years WG-CAFM published two books on Flood Management, one on “Non Structural Measures” and the other on “Structural Approaches”, and a special issue of I&D Journal. Since KL meeting the conclusion paper “Management of river flood risk” has been converted into a Position Paper that was circulated within National Committees. Many contributions were integrated in the final draft. I fully support the endorsement of this position Paper by IEC. Considering the specificity of this theme in our professional context, I do not suggest to close this group but to support its evolution towards newly identified issues - such as hydrologic forecast, flash floods, melting of glaciers. The WG should also consider liaising with WG-CLIMATE on the new trade-offs brought about by new design specifications related to climate change and economic constraints. It is proposed to add the word “hydrologic” after “aspects” in the wording of the mandate.

WG-SDTA

Sustainable Development of Tidal Areas (SDTA) is now recognized as a major issue, and part of the mandate of ICID. The handbook entitled “Some principles and experiences in SDTA” prepared by the WG-SDTA - set up in 2002 – is almost finalized, with impressive involvement of many members and contributions through four annual workshops. Reviewers have been identified, and the review process could be completed in 2009. Beyond this useful book, a Position Paper was prepared by the WG and circulated. This precise and engaged paper should definitely contribute to ICID reputation on tidal areas issues. I support its endorsement by IEC in 2008, after its circulation through national committees and consideration of their comments and contributions.

SYNTHESIS REPORT BY STRATEGY THEME LEADER ON ON-FARM

**Dr. Saeed Nairizi, Theme Leader, Vice-President Hon., ICID
Sacramento, 03 October 2007**

General

- All three work bodies under theme On-Farm, are following their mandates through proposals which are coming from volunteer members, usually upon their personal interests. Therefore, WGs are facing with a few topics in their agenda which are not necessarily covering the whole aspects of mandate, hence no clear conclusion would be possible to be realized by the end of WG tenure. Whereas, from the beginning, the work bodies should define the major topics, or package of actions, which could lead them to their anticipated outcomes. Any papers, manual, books, workshops proposed by the members, chairs, and Central Office should then be conceived as a part of such integrated pieces of work towards the final WG outputs.
- As one of the prime tasks of ICID is knowledge transfer from where it is developed to the where it is most needed. It would be very appropriate to request WGs to consider the gaps in knowledge and best practices associated with irrigated agriculture in developing countries in Asia, Africa and South America as priority topics within their mandate.

Specific:**WG-On-Farm**

A revised mandate and closure practice are expected to be put forward by the members and chairs during Sacramento Meeting 2007 to cover their activities up to year 2009.

Improvement on traditional surface irrigation systems and management of small irrigation schemes are advised to be focused on in their mandate.

WG-CROP

As one of the oldest working group at ICID, the WG should prepare a new mandate, and maybe with a new title to embark on a more applied oriented guidelines, particularly on the topics such as; simple irrigation scheduling, irrigation water allocation under limited water supply, best practice for fertilization, which are among major irrigation management issues in the developing countries.

WG-PQW

PQW as a new working group is also expected to propose a new mandate at Sacramento Meeting 2007. It is very appropriate for this working group to put their effort in providing state-of-the-art of using PQW in sustainable irrigation practices. To provide ICID universal irrigation water quality classification would be another major task for this new WG.

**MINUTES FOR THE TENTH MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE
AND FLOOD CONTROL (WG-HIST)
Sacramento, USA
30 September 2007 : 09.00-12.00 hours**

Year of Establishment: 1998

Members present : (1) Prof. Dr. N. Hatcho, Chairman (Japan), (2) Dr. Hubert Toussaint, Secretary (The Netherlands); (3) Vice President Hon. Ricardo S. Graino (Spain) represented by Vice President Hon. J.A. Ortiz; (4) Mrs. Xuming Tan (China) represented by Prof. Hu Heping; (5) Dr. S.H. Lee (Korea) represented by Dr. Na, Jeong-Woo; (6) Dr. Illahi B. Shaikh (Pakistan); (7) Dr. Laszlo Hayde (Hungary); (8) Prof. Zorko Kos (Croatia) represented by Prof. Josip Marusic; (9) Dr. A. Hafied A. Gany (Indonesia); (10) Mr. Charles L. Abernethy (Great Britain); (11) Dr. Ing. Klaus Roettcher (Germany); and (12) Prof. Wen-Pin Shu (Chinese Taipei).

Observers: (i) Dr. Pol Hakstege (The Netherlands); (ii) Mr. Mohd Abdul Nassir bin Bidin (Malaysia) and (iii) Prof.dr.sc. Josip Petraš (Croatia).

Item 1 : Confirmation of minutes of the 9th meeting of WG-HIST held at Kuala Lumpur, Malaysia on 10 September 2006

The minutes were confirmed.

Item 2 : Tenure of the Working Group

The WG-HIST decided to change and enlarge its set of objectives and to sum up its work plan for the next years.

Item 3 : Membership Review of the Working Group

Members who were neither present at the meetings nor contributed through correspondence for the last two consecutive years were:

- Mrs. F. Sinati (Italy)
- Mr. Aliyu Jada (Nigeria)
- Mr. Satit Maneepai (Thailand)
- Dr. Alexis Vogel (Austria)
- Mr. Jean Verdier (France)

In the meeting, it was decided that the Chairman will contact the National Committees (NCs) of Italy, Nigeria, Thailand, Austria and France about their membership of the WG.

The nomination of Dr. Na, Jeong-Woo (Korea) was accepted while the nomination of Mr. C.M. Pandit (India) was deferred as Mr. Pandit could not attend the WG meeting.

Item 4 : Special Report on the International History Seminar on Irrigation and Drainage held during 2-3 May 2007 in Tehran, Iran by Chairman, WG-HIST

The Chairman presented the report as attached at **Annex**.

Item 5 : Report by the Chairman on progress made by the National Working Groups (NWG) on their assignments

In the 9th meeting, it was observed that no response had been received from Sri Lanka and USA regarding preparation of the History Chapters in respect of their countries for inclusion in the respective History volumes.

In the meeting, the Chairman indicated that he had contacted both the countries, but without any results. It was decided in the meeting that Mr. Abernethy and the Chairman will take up the matter again with the Sri Lankan and American NCs.

Item 6 : Progress on publishing History of Irrigation in Eastern Asia

The Chairman prepared a draft synthesis of the publication of the History on the Eastern Asian Countries, comprising China, Japan, Korea, Malaysia, Thailand and Indonesia. The WG members were asked to provide comments on the draft so as to make an extended new version enabling publication. Responding to the request, the Chinese Taipei National Committee (CTCID) sent their comments for inclusion.

As a follow-up action, Central Office requested (e-mail dated 20 February 2007) the members, WG-HIST to provide their views/comments. Responses are still awaited.

In the meeting it was decided to send the draft synthesis to the Dutch NC also to receive their comments. Completion of the synthesis is expected in 2008.

The Malaysian NC released a book on “History of Irrigation in Malaysia” at the 57th IEC in Kuala Lumpur. At the WG meeting, a copy and CD of the same were presented.

The Chairman asked whether China could insert the new version of the History of Irrigation in China on the CD on the History of Irrigation in Eastern Asia. Follow-up action will take up with the Chinese NC.

Item 7 : Progress on publishing History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean

In the 9th meeting, the English draft version of the summary of the book on “History of Irrigation and Drainage in Spain”, which was earlier brought out in Spanish language, was presented. A number of comments on the draft text were obtained.

The Central Office received a modified draft version of the History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean from Prof. Dr. Ricardo Segura, Vice President Hon., ICID (vide e-mail dated 8 January 2007) incorporating the contributions received from the National Committees of Portugal, Italy and France including the views of other Spanish experts. The draft version was again circulated on 21 February 2007 amongst the members by the CO with a request for offering additional comments, if any. Views and additional texts are awaited, especially from France, Portugal and Italy.

Item 8 : Cooperation with International Water Organizations (IWHA & UNU)

Dr. Klaus Roettcher, Member, WG-HIST presented a research project on sustainable water management in arid and semi-arid regions, using traditional processes and construction methods, and explored the possibilities of developing appropriate methods which could be deployed in modern water management systems in collaboration with WG-HIST and German Water Historic Association (DWhG). Phase 1 of the project is the writing of a compendium with a focus on Mediterranean area and the Middle East. Comments from the members will be welcomed.

The Secretary General, ICID forwarded a letter (15 February 2007) to Dr. Roettcher extending ICID support to this venture. The WG-HIST supported to this German initiative.

Dr. Laszlo Hayde, WG-HIST told about the development of a short course on the history of world history on water management, for the students of UNESCO-IHE at Delft.

The Chairman stated that there were still no structural contacts with United Nations University (UNU). He asked the WG to seek a UNU-contact person.

Item 9 : Website of WG-HIST

Members were requested (vide CO e-mail dated 15 February 2007) to provide data/views for updating the website. Alongwith the request, an attachment file showing the bibliography (124 items) on “History of Irrigation, Drainage

and Flood Control” covering various papers/articles/books, which are available in the ICID CO Technical Library was also forwarded for information and providing views/suggestions for uploading the material on the WG-HIST website.

Responses in this regard are awaited.

Item 10 : Time-targeted plan for WG’s activities

- (1) International History Seminar on Irrigation and Drainage on the theme “Lessons to Learn from the Historical Development and Management of Water in Arid and Semi-Arid Regions” during the 4th Asian Regional Conference in Tehran, Iran (2-5 May 2007):
 - Event completed– Specifically taken up under agenda Item 4.
- (2) International Workshop on History of Irrigation, Drainage and Flood Control in coordination with the European Regional Working Group and the Italian National Committee of ICID during 22nd European Regional Conference in Pavia, Italy (2-6 September 2007).
 - The Chairman reported that the theme of the workshop was “Water and Town” and the subtopics were: waterway and communication, water for food production and water purveyance for towns. 11 papers were submitted, out of which 9 papers were presented.
- (3) Proposed Seminar - during the 20th ICID Congress in Lahore, Pakistan in 2008.
 - The seminar would focus on the theme - “Lessons to Learn from the History of Water Management in Large River Basins and Droughts”. In the Seminar, historical wisdom and knowledge accumulated from the experiences of managing small and traditional system will be discussed, and the approach of translating these lessons into the management of water of large systems, particularly during the period of drought or water shortage, will be examined.

Topics to be covered are:

Historical lessons and wisdom related to development and management of water in a large river basin –

- Technical Issues (Planning and Design of System, Drought Management)
 - Institutional and Legal Issues (Farmers Organizations, Federating Water Users Associations, Water Boards, Participatory Approach, legislations)
 - Environmental Issues (Environmental Impact Assessments and Mitigation)
 - Social and Economic Issues (Relocation/Resettlement and Compensation, Social Conflicts, Cost Recovery)
- (4) In 2009, the 5 WWF will be held in Turkey. The Chairman proposed to organize a History Workshop in coordination with the IWHA.
 - (5) In 2010, the 61st IEC meeting will be held in Yogyakarta (Indonesia). Dr. A. Hafied A. Gany proposed to organize a history seminar based on the volumes on History of Irrigation in Eastern Asia, focusing especially on the use of historical technology for modern water technology.

Item 11 : Any other business

The Chinese translation of the book on the Dutch History of Irrigation and Drainage, Man Made Lowlands, was presented.

The Chairman informed that a candidate as his successor may be nominated/elected at the 20th Congress of ICID in Lahore in 2008.

WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)**International History Seminar on Irrigation and Drainage
May 2-3, 2007 at Tehran, Iran**

The seminar started with an address by the Secretary General, ICID, Er. M. Gopalakrishnan highlighting the importance of historical lessons for sustainable development and contrasting the different historical water development paths in Iran and India. Dr. Hatcho, the Chairman of the Working Group also welcomed the participants, mentioning that Tehran was the birth place of the History Working Group and it happened to be the 30th anniversary of the Working Group. Followed by the welcome speeches, 3 keynote addresses were also presented :

- (i) Dr. H. Fahlbusch on “Overall development perspective on water management since the prehistoric time”,
- (ii) Dr. K. Emami on “Challenges of the 21st century to combine historical knowledge/wisdom with modern science and technology”, and
- (iii) Mr. B. Farhangi on “Iranian Ingenuity of constructing numerous water structures since olden times such as dams/weirs, Qanats, or Water mills”.

Presentations by participants were grouped into 5 sessions, with 3 distinguished panel members for each session. There were 26 presentations from 8 countries, of which 17 were from Iran.

Iran through its presentations touched upon the rich history of water and irrigation development/management, which has progressed in a sustainable manner from ancient period onwards. In Iran, being situated in arid and semi-arid region, the water supply, irrigation and drainage played a very important role in establishing the base for civilization. In Iran, there are more than 30,000 ancient Qanat systems, and many of them are still in use. In Yazd, Iran has International Centre on Qanat and Historic Hydraulic Structures.

Other subjects discussed during the two days International Seminar on Irrigation and Drainage were - ancient water supply systems, weirs and dams, tanks and management issues.

While concluding the seminar, the following lessons/issues were identified:

- Traditional water system has 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,
 - Establishing sustainable water development and management, combination of traditional wisdom with modern science and technology is needed,
 - Additional values should be formulated or recognized to ensure incorporation of traditional wisdom into modern science, and
 - Engineers, politicians and general public should be aware of the value of traditional wisdom and should learn from experiences.
-

MINUTES OF THE TENTH MEETING OF THE
**WORKING GROUP ON IRRIGATED AGRICULTURE UNDER
 DROUGHT AND WATER SCARCITY (WG-IADWS)**
 Sacramento, USA
 30 September 2007 : 09.00-12.00 hours
Strategy Theme: Basin

Year of Establishment: 1996

Completion of the Mandate: 2002

Members Present : (1) Dr. S. Nairizi, Chairman (Iran); (2) Dr. G.R. Backeberg, Vice Chairman (South Africa); (3) Mr. F. Dimick, Secretary (USA); (4) Dr. Ragab Ragab (UK); (5) Mr. Yan Guenyu represented Mrs. Mu Jianxin (China); (6) Mr. Mohamed Wahba represented Dr. Hussein El Atfy (Egypt); (7) Mr. Anthony John Horton (Australia); (8) Dr. Graziano Ghinassi (Italy); (9) Dr. T. Watanabe (Japan); and (10) Prof. Chang-Chi Cheng (Chinese Taipei).

Observers : (i) FAO representative Sasha Koo-Oshima (Italy); (ii) Mr. Yung, Cheng (Chinese Taipei); (iii) Mr. Terry Howell (USA); (iv) Mr. Gunawan (Indonesia); (v) Mr. Bambang Hargoo (Indonesia); (vi) Mr. Wael Khairy (Egypt); (v) Mr. Tchouadang Kadjonga (Chad); (vi) Mr. Lee Young Jig (Korea); (vii) Mr. Kang Jae Ho (Korea); and (viii) Dr. Maurice Roos (USA).

Working Group website: <<http://www.wg-iadws.icidonline.org>>.

Item 1 : Confirmation of the minutes of the 9th meeting of the Working Group

Minutes of the 9th meeting of the Working Group held in Kuala Lumpur, Malaysia in 2006 were confirmed.

Item 2 : Review of the membership of the Working Group

The Kazakhstan National Committee (KAZCID) has nominated Mr. Temirvaev Bakhtiyar Kuralovich for membership to the WG.

Since this is the last meeting of the Working Group, no additional memberships were considered. Mr. Kuralovich may be considered for any future Working Group that may succeed this one.

Item 3 : Summary of Past Activities

Chairman Dr. Nairizi summarized the activities (Annex 1 of the Agenda, 2007) of the WG since it was formed in 1996. He thanked all members of the Working Group for their assistance in completing the mandate provided.

Three workshops have been held that provided much valuable information toward completing the mandate. The workshops were held in Tehran, Iran in July, 2003; Montpellier, France in September, 2003; and Moscow, Russia in 2004, respectively.

Item 4 : Compilation of the 'General Questionnaire on the Water Status of ICID member countries'

Information in these questionnaires has provided a worldwide vision of water requirements and conditions. Fourteen countries have completed the Questionnaire. The data from the completed Questionnaires has been compiled by Dr. A. Sabetraftar (IRNCID).

The United States of America will complete and submit the Questionnaire by December 1, 2007.

Chairman Nairizi will contact representatives from China to see if they will complete the questionnaire this year.

Item 5 : Cooperation with International and Regional Organizations

Representatives of FAO and WMO have supported the Working Group activities since inception but have not been able to do so in the recent past. Chairman Dr. Nairizi will continue his efforts to get these groups' input and assistance for completing the final report of the WG.

The WG continues to successfully co-operate with European Work Team on Drought (EWTDRO) and other Working Groups within ICID.

(The EWTDRO has since been merged with European Work Team on Floods (EWTFLO) to create a New Work Team under the name 'Work Team on Water Related Risk Analysis' (EWTWRA)).

Item 6 : IADWS – Newsletter

Two newsletters per year were published through the WG-IADWS website. One final issue of the Newsletter will be published sometime this coming year to provide information to all members of the Working Group concerning the final draft of the document and other items related to the mandate of the Working Group.

Item 7 : Activity plan**7.1 Workshop (Internal) of WG-IADWS (2007)**

An internal Workshop was held during the WG meeting to discuss the final draft of documents on the six sub-themes and discuss such things as WG recommendations, possible position paper and future activities, if any.

Dr. Ragab (UK) made a presentation on '*Water Management Strategies to Combat Drought*' prepared by Dr. Hussein El-Atfy (Egypt) and Dr. Ragab (UK).

Dr. Ragab (UK) made another presentation on '*The Experience of the Nile Water Forecast in Managing Floods and Setting Strategies for Knowledge Dissemination*' prepared by Dr. Ragab (UK) and Dr. Hussein El-Atfy (Egypt).

Mr. Anthony Horton (Australia) presented his work on Sub-Theme 1: Survey of publications on irrigation under conditions of drought and water scarcity.

Dr. G. R. Backeberg (South Africa) presented the work on Sub-Theme 3: Develop guidelines for – (1) Assessment of drought on irrigated agriculture; (2) Development of policies and management strategies for various drought and water scarcity situations.

7.2 WG final document (Draft) on '*Irrigation under Drought and Water Scarcity*

The final draft of the WG document will follow the framework provided by Dr. G. R. Backeberg (South Africa) and will be in the form of guidelines (book) with an appendix in the form of a CD placed inside the back cover of the document. Proceedings of the workshop held in Moscow, Russia in 2004 on "*Water Harvesting and Sustainable Agriculture*" will be included as an appendix to the final document.

All ICID publications have to be peer reviewed by an editorial team and approved by the Committee on Public Relations (ICID) for budget.

Chairman Dr. Nairizi suggested to include a chapter on '*Case Studies of Drought Management Experiences*' and a chapter on '*Water Harvesting Practices in different countries*' in the final document

Each WG member is asked to provide input to the final document by December 1, 2007 for final compilation into "book" form. A preliminary editorial board made up of the members who worked on the Sub-Themes will then compile the book in an organized manner. This work will be done via the internet.

FAO will be requested to finance the publishing of the final document. If FAO agrees to publish the document, their editorial guidelines will be followed for preparing the document in final form. In case, FAO does not sponsor the publication, other sponsors will be approached for the printing of the publication for wider dissemination.

Item 8 : Tenure of the Working Group

This will be the last meeting of the Working Group. Completion and approval of the final document will be via the internet. Should a serious problem arise during the completion and approval of the final document, a meeting of former Working Group members could be held in Pakistan next year during the 59th IEC meeting.

Item 9 : Any other business

- **Feedback of the 4th Asian Regional Conference (2007) at Tehran, Iran**

The International Commission on Irrigation and Drainage (ICID), and the International Network on Participatory Irrigation Management (INPIM) jointly organized the 4th Asian Regional Conference and the 10th International Seminar on 'Participatory Irrigation Management (PIM) during May 2-5, 2007 in Tehran, Iran. This joint international event was organized and hosted by the Iranian National Committee on Irrigation and Drainage (IRNCID). The event was very successful and well attended. There were 900 participants in this conference.

- **UN Water Initiative**

When the UN Water Initiative was discussed, President Lee in Stockholm Water Week in 2006 observed that ICID is the sole International NGO invited to join the special session of the UN Water to address 'Coping with Water Scarcity' as a highest priority initiative. He brought out that, *inter-alia*, 'Rainfall management' could also be considered as a part of Managing Water for Sustainable Agriculture.

The members of WG emphasized the importance of these issues and recommended them to be considered in the mandate of the new WG, possibly emerging from WG-IADWS.

- **Hydrological Ensemble Prediction Experiment (HEPEX) of WMO**

HEPEX aims to bring the international hydrological and meteorological communities together to demonstrate how to produce and utilize reliable hydrological ensemble forecasts to make decisions for the benefit of public health and safety, the economy and the environment. These forecasts could be of a long term than conventional and hence of much use to help better irrigation planning and scheduling, flood management, drainage control, environmental protection, etc. HEPEX Steering Group representing the Users' Category which was formulated at the conclusion of a HEPEX workshop held in Boulder, Colorado in July 2005. ICID is given a place to represent user group (through WMO). The WG welcomed the offer and recommended the matter to be dealt with in the new WG framework.

- **World Agro Meteorological Information Service (WAMIS)**

WAMIS has a goal of providing meteorological products issued by WMO members available to the global agricultural community on a near real-time basis. The members were encouraged to access their website at www.wamis.org for more information.

- **The Vision for Further Studies within a New Work Body's Mandate**

Dr. Blackeberg suggested that the concepts of Drought Management under Water Scarcity should be further studied by evaluating plans prepared and experiences gained by all ICID member countries upon the application of such management approaches to categorize recommendations at regional level. This work could be done by a new Working Group or Task Force.

Dr. Ragab suggested that a "generic" working group be formed to address water management in water stressed areas and then work teams/sub-groups could be formed from this working group to address specific tasks such as "Coping with Water Scarcity", "Drought Management" and "Rainfall Management."

After due deliberations the WG recommended the following to PCTA and IEC for further needful:

The title of Working Group: **Water Management in Water Stressed Regions**

The sub-titles of the WG:

1. Drought Management Strategies
2. Coping with Water Scarcity
3. Rainfall Management for Sustainable Agriculture

The Working Group can accommodate any collaboration activities such as HEPEX as discussed above.

The outcome of the WG could be in the form of compiling questionnaires and recommendations, as a result of organizing related workshops and other meetings.

The tenure of the WG could be a preliminary '3 working years' after establishment of the WG and a subsequent '3 extension years' in order to finalize the WG outcome.

The WG-IADWS recommended the above proposal to PCTA for further action.

**MINUTES OF THE TWENTY-FIFTH MEETING OF THE
WORKING GROUP ON DRAINAGE (WG-DRG)
Sacramento, USA
30 September 2007: 09.00-12.00 hours
Theme: Systems**

Date of Establishment: 1983

Completion of the Mandate: 2007



SILVER JUBILEE MEETING OF THE WG-DRG

Agricultural Drainage is one of the core activity areas of ICID. The Working Group on Drainage Construction (WG-CONST) was established in the year 1983. The group was subsequently converted into Working Group on Drainage (WG-DRG) in 1992. Both the groups have been actively and effectively contributing to the ICID's mission by way of bringing out various valuable publications, holding series of international drainage workshops, participating and contributing ICID's views in various international fora and liaising with various international organisations involved in promoting the agricultural drainage.

The 1st meeting of the WG-CONST was held in Melbourne, Australia in September 1983 and the group has held its 25th meeting at Sacramento, USA .on the occasion of 58th IEC meeting. It was an appropriate occasion to celebrate 25 years (Silver Jubilee) of successful working of the group(s). The meeting was attended by large number of its members and delegates.

Members Present: (1) Dr. W.F. Vlotman, Chairman (The Netherlands, 2000); (2) Dr. Bernard Vincent, Secretary (France, 2007); (3) Dr. H. Fahmy (Egypt, 2006) represented by Dr. M.H. Amer; (4) Mr. Chen, Hung-Kwai (Chinese Taipei, 1997) represented by Liao Tsung-Shen; (5) Mr. S.K. Das (India, 2001) represented by Mr. D. Datta (6) Ms. Wang Shaoli (China, 1999), represented by Dr. Zhanyi Gao; (7) Dr. E. Christen (Australia, 2000); (8) Ir. Keizrul bin Abdullah (Malaysia, 1994); (9) Mr. Rauno Peltomaa (Finland, 2002); (10) Dr. James Ayars (USA, 2005); (11) Mr. AT van Collier (South Africa, 2006) represented by Ms Mary Jean Gabriel; (12) Ms. Nurgül Üzücek (Turkey, 2006); (13) Dr. Shinsuke Ota (Japan, 2006); (14) Dr. Yurii Yanko (Russia, 2006); (15) Dr. M. Nawaz Bhutta (Pakistan, 2002) represented by Ing Waseem Nazir and Mr. Syed Raghیب Abbass Shah; (16) Secretary General, ICID.

Permanent Observers:; (i) Dr. C.A. Madramootoo (Canada); (ii) Dr. Julian Beltran (FAO) represented by Dr. Carlos Garces; (iii) Mr. Aly M. Shady (Canada); (iv) Prof. dr. Bart Schultz (The Netherlands).

Member Honoraire: Mr. Felix B. Reinders, Vice President, ICID (South Africa)

Members not Present: (1) Mr. I. Dakar (Syria, 1991); (2) Dr. M.S. Adamu (Nigeria, 1992); (3) Dr. Chung Sang-Ok (Korea, 1996); (4) Dr. (Ms.) Waltina Scheumann (Germany, 2003); (5) Dr. Mohammad Bybordi (Iran, 2000); (6) Prof. H. Malano (Australia).

Apologies: Prof. Dr. B. Maticic (Slovenia, 1987)

Observers: (i) Osmo Purhonen (Finland); (ii) Jaakko Sierra (Finland); (iii) WR Johnston (USA); (iv) Dr. Irina Bondarik (Russia); (v) Yasuhiro Ochii (Japan); (vi) Ir. Abouc R. Dahocon (Malaysia); (vii) Yoshinari Ishikawa (Japan); (viii) Mr. Mati Tonismae (Estonia); (ix) I.Imar Tupits (Estonia); (x) Prof. Dr. Ray-Shyan Wu (Chinese Taipei).

The time schedule for discussion of the group's agenda and workshop deliberations was as follows:

A. General business	20 minutes
B. Work plan	40 minutes
C. Liaison and linkage with other workbodies	20 minutes
D. Tea/ coffee break	20 minutes
E. Presentations/ workshop/ summary	80 minutes

A. GENERAL BUSINESS

Item 1 : Confirmation of the minutes of the 24th meeting of the Working Group held at Kuala Lumpur

The minutes of the 24th meeting of the Working Group held at Kuala Lumpur in September 2006 were confirmed.

Item 2 : To review membership of the Working Group

French National Committee (AFEID) has nominated Mr. Bernard Vincent in place of Dr. Sami Bouarfa for the membership of the group. Mr. Vincent was present and introduced himself. The group considered his nomination and accepted it.

The nominations of Dr. Gurbachan Singh (to replace Mr. S.K. Das/ Mr. M.K. Sharma) by Indian National Committee (INCID), Mr. Ahmed Mohammad Aziz by Iraqi National Committee (IRQCID) and Mr. Anzelm Carl Albertovich by Kazakhstan National Committee (KAZCID) were considered. As none of these nominees were present, their acceptance for the membership was postponed till the Lahore meeting next year.

Dr. James Ayars (USA) was nominated as Vice-Chairman of the group and was confirmed by the group.

Item 3 : Continuation of the workbody

Chairman received feedback from two national committees and members, which provided the basis for the discussion of the new mandate of the working group (see item 8).

B. WORK PLAN

Item 4 : Workshops sponsored by the working group

4.1 10th International Drainage Workshop, 2008

The representatives of FINCID and ESTCID reported about the preparations of the 10th IDW and distributed very attractive invitation brochures. They are working with Dr. Bernard Vincent and the PEER network to develop a side event related to the social aspects of drainage v/s water quality, mitigation and multi purpose use of the structures.

4.2 Annual Internal Workshop of the Group

The group will continue to hold technical presentations during its regular annual meeting. Presentations made during these meetings will be posted on DRAINLINE

Following two presentations were made at the meeting.

- (i) Drainage Developments in Turkey by Ms. Nurgül ÜZÜCEK
- (ii) Drainage Water Management in North America: Federal and University Perspectives by Dr. James Ayars

Dr. James Ayars, Vice Chairman volunteered to coordinate the annual presentation for the Lahore meeting. Members are requested to inform Dr. James Ayars, well in advance of the meeting about their intension to make presentations at the internal workshop of the group.

Item 5 : Performance assessment of drainage systems

The document 'Performance Assessment and Potential Indicators for Drainage Systems' jointly prepared by ICID, Cemagref, Alterra–ILRI and CSIRO has been completed and was circulated at the meeting. CSIRO has published the document on the website: <http://www.clw.csiro.au/publications/science/2007/sr62-07.pdf>.

Mr. Julian Martinez-Beltran reported vide email that FAO-NRLW has finalized the Report " Performance Assessment of Subsurface Drainage Systems – Case Studies from Egypt and Pakistan" as prepared by Dr. Henk Ritzema, Alterra ILRI in March 2007. On the basis of these case studies and a case study from Mexico, FAO-NRLW

has planned to prepare a publication on “Evaluation of the performance of subsurface drainage systems” in 2008-09.

Item 6 : Database and WG website

6.1 Database on drainage needs

There are several databases with information on drainage systems:

1. Cemagref Drainage need data base (for more information contact Dr. Bernard Vincent),
2. FAO Aquastat database,
3. ICID's own database on irrigated and drained areas,
4. Prof. B Schultz informed the meeting that there is also a database from a German source with the similar information.

For several meetings it has been proposed to investigate merging of these databases so that there is only one source for drainage system information.

Although various attempts have been made to merge the databases, no progress could be reported to date. It was agreed to contact Dr. Jean Marc Faures of FAO during the meeting in Sacramento (action Dr. Bernard Vincent) to investigate opportunities to achieve this goal.

It was further suggested that the information on Videotapes and CR-ROMs with drainage related information which is also maintained at Cemagref, may be combined in the intended single database.

6.2 Videotapes and CD-ROM database

Information on this item is combined in item 6.1

6.3 Contribution to the website DRAINLINE

The group noted that the website DRAINLINE <<http://www.wg-drg.icidonline.org/>> is fully functional and hosts many useful information. Dr. Vlotman, Chairman had requested members to participate in maintaining the website, and Dr. C. Evan has agreed to contribute.

Members are encouraged to provide similar reports of interest for posting on the DRAINLINE.

Item 7 : Celebration of ‘Twenty five Years of WG-DRG’ at Sacramento 2007

The group has commemorated this important milestone by bringing out a special edition of the ICID Journal. Dr. W. F. Vlotman and Prof. Dr. Chandra A. Madramootoo were the guest editors for the special issue as volume 56 (Supplementary). The issue has been completed with 20 papers provided by the National Committees. A master copy of the special issue was made available during the meeting and the final document would be available by December 2007 and the web access by October 2007. Thanks are due to the Government of The Netherlands for supporting the special issue of the ICID journal. Web access to papers is available for WG members.

Due to lack of response no special meeting was organized during the USCID's 4th International Conference on Irrigation and Drainage.

Dr. S A Kulkarni at the Central Office has designed a logo to commemorate the silver jubilee meeting of the WG. The logo was posted on the WG webpage - 'DRAINLINE'. The logo has been used on the publications of the group.

Item 8 : Review and update of the group's mandate

The group discussed the mandate of the WG in light of the new issues, challenges and future trends. The Chairman prepared a draft revised mandate and presented it at the meeting.

The current mandate is:

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

After discussion, the new mandate is to be finalised considering the following:

- *To promote drainage as part of Integrated Water Resources Management; and*
- *To promote sustainable approaches for drainage and related projects through a balanced integration of – (1) – environmental, (2) economic, and (3) social and cultural aspects.*

To fulfil this mandate, the WG decided to reorganise its activities in 6 subtopics, of which three would be led by WG members as a first step of the rolling plan:

1. Disposal of salts and silts (Dr James Ayars; Dr. C. Evans, Ing Waseem Nazir, and Engr. Syed Raghob Abbas Shah)
2. Impact of climate change
3. Societal perception of drainage (Dr. B.Vincent, Ms. Nurgül Üzücek; and Dr. Yuri Yanko)
4. Role of drainage in food production
5. Changes in land use
6. Financial and economic aspects

The formulation of the mandate will be presented for approval at the 2008 meeting in Lahore.

C. LIAISON AND LINKAGE WITH OTHER WORK BODIES

Item 9 : Liaison with work bodies

The group continues to liaise effectively with pertinent ICID working groups with a view to exchange information for enriching the activities/output of the work body. Following professionals had volunteered to work as permanent correspondents of the group by attending concerned working group meetings.

- 9.1 WG-ENV (Theme: Basin) – Dr. Chandra Madramootoo
- 9.2 WG-SDTA (Theme: Basin) – Dr. Park Sang Hyun
- 9.3 ERWG (Regional Working Groups) – Dr. (Mrs.) Irena Bondarik
- 9.4 WG-PQW (Theme: On-farm) – Dr. Evan Christen
- 9.5 WG-ON-FARM (Theme: On-farm) – Dr. James Ayars
- 9.6 WG-CBTE (Theme: System) - Dr. M.H. Amer

The Japanese representative has suggested to reinforce collaboration with Asian Regional Working Group (ASRWG) in order to share experience related to improvement of drainage water quality.

D. PRESENTATIONS/ WORKSHOP/ SUMMARY

Item 10 : Presentations from member countries

See item 4.2

Item 11 : General discussion and summary of the meeting

The Central Office has shared the following information with the group:

- A special session on 'Implication of global changes on irrigation and drainage system development and management' will be held at the time of ICID's 20th Congress scheduled to be held from 13–19 October 2008 at Lahore, Pakistan. All members are encouraged to contribute their papers.
- An 'International Drainage Hall of Fame Award' was established in 1979 by the Ohio State University, USA, to recognize the outstanding achievement and immense contribution of late Professor Virgil Overholt to agricultural drainage. The award is given every year and nominations are accepted throughout the year. The Central Office has circulated a brief about the award in February 2007 to all members. Detailed information can be obtained by contacting Dr. Larry C. Brown at <brown.59@osu.edu>.

The Chairman concluded the meeting by recapitulating key decisions/ outcome.

MINUTES OF THE TENTH MEETING OF THE
WORKING GROUP ON COORDINATION OF DICTIONARIES (WG-CD)
Sacramento, USA
30 September 2007 : 14.00-17.00 hours
Strategy Theme: Knowledge

Year of Establishment: 1998

Completion of the Mandate: 2004

Members Present : (1) Mr. Bruno Molle, Chairman (France) and (2) Mr. K.N. Sharma, Secretary, ICID (ICID Central Office).

Observers : (i) Mr. Waseem Nazir (Pakistan), (ii) Mr. Pei-Chun Ni (Chinese Taipei) and (iii) Mr. Fu, Chun-Chi (Chinese Taipei).

Item 1 : **Confirmation of the minutes of the 9th meeting of WG-CD held at Kuala Lumpur, Malaysia, 11 September 2006**

The minutes were confirmed

A. CONTINUING ITEMS

Item 2 : **Status of revision and publication of MTD (CD-ROM)**

The status was reviewed and is detailed in **Annex**.

It was decided that the chapters for which a reviewer could not be identified so far will be retained in their existing form, to be revised in a later edition.

Attempt will be made to provide the Central Office with the translation of the revised chapters in French by December 2007, with the objective to publish the revised version of the MTD on CD-ROM by March 2008.

Item 3 : **Translation of MTD in other languages**

Dr. H. Gany from INACID informed the WG that they will start the translation work into Bahasa language soon after the finalized version of the revised MTD is provided to them. They expect to complete the work by December 2008. Central Office will provide the revised text of the MTD to INACID by December 2007.

Information about the status of translation by IRNCID and TUCID was not available.

Item 4 : **Any Other Business**

A decision may be taken at the Lahore meeting of WG-CD in 2008 about winding up the Working Group and further steps which could be initiated later for the future edition/revision of the Dictionary.

**REVISION STATUS OF MTD CHAPTERS (2002) FOR
NEXT EDITION (Revised as of 30 September 2007)**

Chapter	Title	To be reviewed by	Status English version		Status French version	Remarks
			Revision by Expert	Revision by EC		
Chapter I	General	Mr. B. Molle (France)	Revision completed	Revision completed.	Revised B.Molle March 07	
Chapter II	Hydrology	Mr. Russell Boals (Canada)	Revision completed.	Revision completed.	Revised	
Chapter III	River Hydraulics	Mr. K.N. Sharma, Secretary, ICID	Revision completed.	Revision completed.	Revised B.Molle, August 07	
Chapter IV	Reclamation BM more related to soil science than reclamation	Mr. Vincent Bernard (Cemagref, France)	Revision awaited		Revision awaited	
Chapter V	Headworks	Mr. K.N. Sharma, Secretary, ICID	Revision completed.	Revision completed.	Revised by B.Molle, July 07	
Chapter VI	Design of Irrigation Canals	Er. M. Gopalakrishnan, Secretary General, ICID & Mr. K.N. Sharma, Secretary, ICID	Revision completed.	Revision completed.	To be revised	The Chapter is being revised.
Chapter VII	Canal Structures	Er. M. Gopalakrishnan, Secretary General, ICID & Mr. K.N. Sharma, Secretary, ICID	Revision completed.	Revision completed.	Revised August 07	
Chapter VIII	Project Water Management	Dr. C.D. Thatte, Secretary General Hon. ICID (India)	Revision completed.	Revision completed August 07		
Chapter IX	Wells and Drilling	Expert to be identified	Mr. Vincent Bernard is trying to identify an expert. To be revised by a French delegate		To be revised by a French delegate	Reminded on Nov 6th.

Chapter	Title	To be reviewed by	Status English version		Status French version	Remarks
			Revision by Expert	Revision by EC		
Chapter X	Pumping Stations (Lifting devices)	Expert to be identified	Expert under identification by B.Molle with difficulties!		To be revised by a French delegate	Expert is being identified by Chair.
Chapter XI	Irrigation Systems and distribution of Irrigation Waters	Mr. K.N. Sharma, Secretary, ICID	Revision completed.	Being revised.	To be revised	Due to lack of response from Mr. Felix B. Reinders, the Chapter is being revised in the CO.
Chapter XII	On-Farm Water Management	Mr. K.N. Sharma, Secretary, ICID	Revision completed.	Being revised.	To be revised	Due to lack of response from Mr. Felix B. Reinders, the Chapter is being revised in the CO.
Chapter XIII	Design and Construction of Drainage Systems	Prof. Bart. Schultz (The Netherlands)	Revision completed.	Revision completed.	To be revised	Reminded EC.
Chapter XIV	Construction Materials	Prof. R. Brouwer (The Netherlands)	Revision completed.	Revision completed.	Revision by French expert of Cemagref from ICOLD	
Chapter XV	Construction Techniques and Equipment	Prof. R. Brouwer (The Netherlands)	Revision completed.	Revision completed.	Under revision by French experts of Cemagref from ICOLD	Answer awaited to P.Royet's comments from M.Brouwer, too many complicated definitions
Chapter XVI	Automation in Irrigation, Drainage and Flood Control Systems	Mr. Russell Boals (Canada)	Revision completed.	Revision completed.	Revised June 07.	
Chapter XVII	Operation, Maintenance and Management	Dr. C.D. Thatte, Secretary General Hon. ICID (India)	Revision completed.	Revision completed.	Revised June 07.	
Chapter XVIII	Soil & Water Conservation	Mr. Laurie C. Tollefson (CANCID)	Revision completed.	Revision completed.	FR version to be revised	
Chapter XIX	Environmental Impacts	Dr. E.G. Kruse (USA)	Revision completed.	Revision completed.	FR version to be revised	
Chapter XX	Flood Control	Prof. Istvan Ijjas (Hungary)	Revision completed.	Revision completed.	To be revised	

Chapter	Title	To be reviewed by	Status English version		Status French version	Remarks
			Revision by Expert	Revision by EC		
Chapter XXI	Computer Technology	Dr. P.O. Malaterre & Mr. G. Bonnet	B.Molle will investigate with P.O.Malaterre		B.Molle will investigate with P.O.Malaterre	Remove all comments, accept deletion
<i>Chapter XXII</i>	<i>Systems Analysis</i>	<i>Dr. Pierre-Olivier Malaterre (France)</i>	<i>Revision completed.</i>	<i>Revision completed.</i>	<i>Final version proposed by P.O.Malaterre</i>	
Chapter XXIII	Hydraulic Research	Prof. Javad Farhoudi (Iran)	<i>Revision completed.</i>	<i>Revision completed.</i>	To be revised	
Chapter XXIV	Project Planning	Prof. Istvan Ijjas (Hungary)	<i>Revision completed.</i>	<i>Revision completed.</i>	To be revised	
Chapter XXV	Climate Change	Mr. K.N. Sharma, Secretary, ICID	<i>Terms proposed</i>	<i>Revision completed.</i>	To be revised	

**MINUTES OF THE SECOND MEETING OF THE
WORKING GROUP ON GLOBAL CLIMATE CHANGE AND
IRRIGATION (WG-CLIMATE)
Sacramento, USA
30 September 2007: 14.00-17.00 hours**

Year of Establishment: 2005**Completion of the Mandate: 2008**

Members Present: (1) Dr. Mark Svendsen, Chairman (USA, 2006); (2) Dr. Tsugihiko Watanabe, Vice Chairman (Japan, 2006); (3) Mr. Kim Russell, Acting Secretary (Australia, 2007); (4) Dr. Henri Tardieu (France, 2006); (5) Dr. Karim Shiasi (Iran, 2006); (6) Dr. Ray-Shyan Wu (Chinese Taipei, 2007); (7) Dr. André Musy (Canada, 2007); (8) Ms. Nurgül Üzücek (Turkey, 2007) (9) Dr. Krishna Kumar Kanikicharla (India).

Permanent Observers Present: (i) Mr. Avinash C. Tyagi (WMO); (ii) Ms. Sasha Koo-Oshima (FAO).

Members Honoraire: Dr. Jose A. Oritz, Vice President Hon., ICID (Spain); Dr.-Ing E. Lübbe, Vice President, ICID (Germany); and Dr. I.B. Shaikh, Vice President, ICID (Pakistan).

Observers : (i) Jung Hua Wang (Chinese Taipei); (ii) Mr. Thomas Mitchell (USBR); (iii) Takanori Nagano (Japan); (iv) Dr. R. Ragab (UK); (v) Mr. D. Datta (India); (vi) Dr.-Ing. Klaus Roettcher (Germany); (vii) Mr. Herve Plusquellec (USA); (viii) Prof. Dr. Joachim Quast (Germany); (ix) Mr. M. Andreini (IWMI); (x) Mr. Maurice Roos (USA); (xi) Prof. Pei Yuan Sheng (China); (xii) Dr. Ding Kunlun (China); (xiii) Mr. L. Tollefson (Canada); (xiv) Mr. William R. Johnston (USA); (xv) Mr. Charles Abernethy (UK); (xvi) Eric Viala (USAID); (xvii) Mr. Bernard Vincent (France); (xviii) Atsushi Marui (Japan); (xix) Mr. Mati Tonismae (Estonia); (xx) Len Ring (Canada); (xxi) Dr. Prakash Kelkar (India); (xxii) Osmo Purhonen (Finland); (xxiii) Mr. Mustaq Chaudhary (Pakistan); (xxiv) Mr. Graziano Ghinassi (Italy); (xxv) Dr. Andrew Sanewe (South Africa); (xxvi) Mr. Jaakko Sierla (Finland); (xxvii) Aluif Ozkaldi (Turkey); (xxviii) Jolyon Burneh (Australia); (xxix) Mr. Bert Clemmens (USA).

Apologies: Prof. Roland E. Schulze (South Africa, 2006). Dr. Keith Weatherhead (UK), and Dr. Juan A. Rodriguez-Diaz (Spain) who are proposed members, also sent their apologies.

Item 1 : Confirmation of the minutes of the 1st meeting of the Working Group held at Kuala Lumpur

Minutes of the 1st Meeting of the WG held at Kuala Lumpur in September 2006 were confirmed.

Item 2 : Review of membership

The following nominees were present and agreed to contribute to the activities of the group were accepted:

- Dr. André Musy, Canada
- Dr. Ray-Shyan Wu, Chinese Taipei
- Mr. Kim Russell, Australia
- Ms. Nurgül Üzücek, Turkey
- Dr. Krishna Kumar Kanikicharla (India)¹

Nominations of the following professionals were deferred as they were not present in the meeting:

- Dr. Keith Weatherhead (UK)
- Prof. Yangsheng Pei (China)
- Dr. Juan A. Rodriguez-Diaz (Spain)

¹ Present at WG-Climate Workshop

- Dr. Rolu P. Encarnacion (Philippines)
- Ir. C.W.J. Roest (The Netherlands)
- Prof. Dr. Daniele De Wrachien (Italy)

A. CONTINUING ITEMS

Item 3 : To finalize the title of the working group

After discussion, it was proposed to revise the name of the working group as: “Climate Change and Agricultural Water Management”.

Item 4 : To prepare a work plan of the group

The Chairman outlined that the WG’s primary function would be to share information and knowledge among countries, the science community and managers.

The following points were made by participants in the workshop :

- Main focus is likely to be on adaptation
- There is a need to reduce consumption and adapt to decreasing availability of water
- There will be significant adverse impact on groundwater quantity and quality
- Need to articulate some clear messages in relation to the global nature of the implications of population, climate and peak oil
- We need warning systems at the regional level useful to farmers and system managers.

A general consensus was reached that the working group should have an aim to engage by presenting outputs at various global forums such as the G-8 via the World Water Forum. However, the group suggested working with other climate initiatives such as forthcoming workshops and conferences in Portland, OR USA, Finland, Florida, Australia and Turkey.

Item 5 : Webpage of the working group

Because of the rapidly changing subject matter of the topic, there was not much support for trying to get a succinct written publication. ICID central office will be requested to post a simple website for the WG. Following the meeting, Dr Ray-Shyan Wu offered to develop and host a website for the WG and this site may subsequently be linked to the ICID site.

Item 6 : Possible WG activities at Lahore Congress

The main activity suggested for Lahore was the holding of a workshop. This workshop would build on the current activities of existing initiatives and would provide a forum to collate these various outputs into a synthesised working group output. These to be guided by-

- Hotspot identification
- A case study approach representative of those hotspots
- A need to link in with regional activities so that WG-Climate acts as an umbrella organisation which can pull these issues together into an international context by cooperating with other efforts.

A special journal issue of Irrigation and Drainage is possible. Natural Resources Canada is a possible funding source for the special issue. The special issue would draw on the Sacramento and Lahore Climate Workshop along with contributions from Canada.

Item 7 : Presentations by members and observers**7.1 Dr. Avinash Tyagi, Director, Hydrology and Water Resources Department, World Meteorological Organization (WMO) gave an introductory presentation highlighting the following:***Concerns*

- The climate is changing, leading to higher risks
- Mitigation is not sufficient to prevent climate change
- Adaptation is important for many sectors and has large consequences for water resources
- Variability is already having its impact
- Not all consequences for society can be avoided
- Remaining risks should be minimized and made clear to all parties concerned

Water managers' concerns will include:

- Long-term planning with considerable investment
- Water conservation, rationing, pricing
- More efficient use of water
- Public awareness campaigns
- Water quality warnings
- Upgrading water infrastructure

Phases

- Assessment of long term impacts under the projected climate change scenarios on various water availability indices
- Identification of adaptation options and development of strategies
- Building of awareness based on scientific inputs through campaigns
- Development of an implementation program
- Development of climate information to meet the needs of water managers
- Increased use the climate information in planning, design and operation of various water infrastructures
- Identification of gaps in climate information for water management needs
- Training of scientists
- Identification of long-term research needs

7.2 Dr Paul Van Hofwegen – Program Director of the World Water Council's World Water Forum

Dr. Van Hofwegen gave a brief presentation on the Forum to be held in Istanbul Turkey from 15-22 March 2009. He highlighted the differences between WWF5 and previous fora. There will be no sessions sponsored by individuals or organizations. Instead there will be discussion and debate on issues papers prepared by groups of organizations representing different interests and perspectives on particular issues. ICID can contribute to the preparation of these position papers, which will occur in an open and consultative process.

7.3 Dr. Tsugihiko Watanabe, Vice Chairman followed by Takanori Nagano

Dr. Watanabe gave a brief 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 main objectives of the research project were:

- To assess impacts of climate changes and adaptations for it on agricultural production system
 - Development of the methodology or model for it, including improvement of Regional Climate Model (RCM), for generating future regional climate scenarios
-

- To assess the vulnerability of agricultural production systems to climate changes and to suggest measures for enhancing sustainability of agriculture through integrated impact and adaptation assessment of climate changes.

Summary and future works consist of:

- The present and future possible problems of land and water management were identified
- Methodology for quantitative analysis of climate change impacts was developed with primary outputs
- The impacts of global warming on agriculture can be analyzed
- Implication of agricultural production in local environments or resources is to be studied with a cross-disciplinary approach

7.4 Brief presentations by new members

- **André Musy, Canada** -- part of a consortium of people in Canada's Quebec province. Working at the Provincial level and developing federal level engagement and hoping to use this in ICID working group to develop international linkages.
- **Ray-Shyun Wu, Chinese Taipei** -- specialising in remote sensing of rainfall patterns, from these working out and improving predictive models.
- **Kim Russell, Australia** -- farm and system level experience, preparing a paper highlighting the need for farmers to engage in the financial, water and carbon markets effectively and simultaneously.
- **Ms. Nurgül Üzücek, Turkey** -- particularly interested in working towards the World Water Forum.

Item 8 : Any other business

There was none and meeting was closed with thanks to the Chair.

MINUTES OF THE TWELFTH CLOSING DOWN MEETING OF THE
WORKING GROUP ON CAPACITY BUILDING, TRAINING AND EDUCATION (WG-CBTE)
 Sacramento, USA
 30 September 2006: 14.00-17.00 hours
Strategy Theme: Systems

Year of Establishment 1995

Members present : (1) Prof. Tom Franks, Chairman (UK); (2) Dr. M. Satoh (Japan) represented by Prof. Dr. Takeshi Hata; (3) Mr. Hu Heping (China); (4) Mr. S.K. Das (India) represented by Mr. S. Manoharan; (5) Prof. Dr. (Mrs.) Dalal S. Alnaggar (Egypt) represented by Vice President Hon. M.H. Amer; (6) Prof. Dorota Z. Haman (USA); (7) Mr. Kim Russell (Australia) represented by Mr. Jolyon Burnett; (8) Dr. Joseph Benjamin Stevens (South Africa) represented by Dr. Gerhard R. Backeberg; and (9) Prof. Chen-Wuing Liu (Chinese Taipei) represented by Mr. Yih-Chi Tan.

Permanent Observer : Dr. Carlos Garces-Restrepo (IPTRID).

Observers : (i) Mr. Hasan Basri Yuksel (Turkey); and (ii) Mr. Yi-Fong, Ho (Chinese Taipei).

Item 1 : Confirmation of the minutes of the 11th meeting held at Kuala Lumpur, Malaysia on 11 September 2006

Minutes of the 11th meeting held at Kuala Lumpur were confirmed.

Item 2 : Activities performed by the WG-CBTE during its tenure (1995-2006)

WG-CBTE had been reasonably successful in accomplishing its mandated tasks, particularly in collection of case studies and compilation of the status of education and training programmes (through working jointly with FAO and IPTRID). However, like many other Working Groups in ICID, it also suffered from a lack of continuity from year to year.

The main activities carried out by the WG-CBTE during its tenure are listed in the following sub-items.

Item 2.1 : Meetings conducted

Conducted 11 meetings – one in each year, starting from 1996 to 2006:

- 1st meeting held on 20 September 1996 in Cairo, Egypt,
- 2nd meeting held on 8 September 1997 in Oxford, UK,
- 3rd meeting held on 20 July 1998 in Bali, Indonesia,
- 4th meeting held on 13 September 1999 in Granada, Spain,
- 5th meeting held on 24 October 2000 in Cape Town, South Africa,
- 6th meeting held on 18 September 2001 in Seoul, Korea,
- 7th meeting held on 22 July 2002 in Montreal, Canada,
- 8th meeting held on 16 September 2003 in Montpellier, France,
- 9th meeting held on 7 September 2004 in Moscow, Russia,
- 10th meeting held on 12 September 2005 in Beijing, China and
- 11th meeting held on 11 September 2006 in Kuala Lumpur, Malaysia.

In each meeting, various issues related with Capacity Building for attaining sustainable development in irrigation, drainage and flood management sectors were considered and recommended for evolving capacity building amongst various stakeholders.

Item 2.2 : Organization of workshops

WG-CBTE had organized four workshops as per the details given in the following sub-items. The IPTRID Programme manager mentioned that there are still some more hard copies of the workshop proceedings available for distribution. The proceedings/ papers can also be accessed from the website: www.wg-cbte.icidonline.org.

It was agreed that the workshops conducted were productive in disseminating the importance of Capacity Building for attaining sustainable developments in irrigation, drainage and flood management sectors. The supports extended by the FAO and IPTRID in this regard were worth mentioning and instrumental in achieving the desired outputs.

Item 2.2.1 : First in Montpellier in 2003 during 54th IEC

The Montpellier workshop in 2003 was led by the Water Resources, Development and Management Service (AGLW) of the Food and Agriculture Organization of the United Nations (FAO) and ICID on “Capacity Building in Irrigation, Drainage and Flood Control : Issues, Challenges and the Way Ahead”. It brought together a range of a synthesis paper, 3 keynote papers, and six detailed case studies covering the regions of Tunisia, Peru, Albania, Andhra Pradesh, Zambia and West Africa in order to demonstrate that Capacity Development should be a central focus of future strategies on irrigation, drainage and flood control.

The general consensus of the workshop was that a lack of capacity is constraining irrigation development in many developing countries and that capacity development rather than infrastructure should be the central focus of future irrigation strategies. Proceedings of the event were published and can be ordered from webpage of the AGLW Service, FAO.

Item 2.2.2 : Second in Moscow in 2004 during 55th IEC

The half-day Moscow workshop in 2004 considered 'Capacity Needs Assessment in Agricultural Water Management'. The workshop was organized with the co-sponsorship of IPTRID in three sessions in which a total of five papers were presented. The papers included two conceptual - an overview and a strategic option paper, as well as one case study each from Zambia, Egypt and Ukraine and as detailed under :

- (a) Capacity Needs Assessment – Methodology and Process (Melvyn Kay, IPTRID Consultant, Tom Franks, Chairperson of WG-CBTE and Sonia Tato, IPTRID)
- (b) Strategic Options for Capacity Assessment in Agricultural Water Management: Design and Management of the Process (Wilfred Hundertmark, IPTRID)
- (c) Capacity Needs in Agricultural Water Management – Experiences in Zambia (Tom Brabben and Gez Cornish, HR Wallingford Ltd., UK)
- (d) Institutional Mapping to Assess Capacity Needs for the Development of Water Boards at the District Level in Egypt (Ibrahim Mohamed Mahmoud, Ministry of Water Resources and Irrigation, Egypt) and
- (e) Changes in Irrigation Water Management: the Need for Capacity Development in Ukraine (Catharien Terwisscha van Scheltinga, Alterra-ILRI, Wageningen, The Netherlands and Olga Zovtonog, Institute for Hydraulic Engineering and Land Reclamation of the Ukrainian Academy of Agrarian Science, Kiev, Ukraine).

The workshop recognized the need for countries to be in the driving seat of a process, which must be based on the firm commitment of policy makers linked to sector strategies as a whole. Mr. Tom Franks who chaired the workshop concluded that it had contributed significantly to the progress of capacity development work began in Montpellier only a year ago. IPTRID/FAO published the proceedings of the workshop.

Item 2.2.3 : Third in China in 2005 during 19th Congress and 56th IEC

In the year 2005, the WG-CBTE alongwith IPTRID-FAO conducted another event titled “Design and Implementation of Capacity Development Strategies”. The workshop featured a keynote paper, together with 7 case studies from Indonesia, Nicaragua, Kenya, Uzbekistan, South Africa, China and India. In addition, there was a keynote presentation from UNESCO-IHE on the baseline document Capacity-Building and Social Learning as given below:

1. Design and Implementation of Capacity Development Strategies in Irrigation (Wilfried Hundertmark and Sonia Tato)
2. A Collaborative Knowledge Network as an Instrument for Capacity Development in Indonesia (Ferry J. Putuhena and J.T.I. Yap)
3. Capacity Development for Food Security in Nicaragua (Sylvanie Jardinet)
4. Capacity Development Strategies : Lessons From Promoting Farmer Innovation (PFI) in East Africa (Bancy M. Mati)
5. The creation of Capacity Development of Interstate Water Collaboration in the Aral Sea Basin (Prof. Victor A. Dukhovny)
6. Design and Implementation of Capacity Development Strategies : A South African Case Study (Marius Botha)
7. A General Review of the Capacity Development for Agricultural Water Management in China (Tian Fuqiang and Hu Heping)
8. Capacity Building for Improved Water Management in Andhra Pradesh : The Design and Implementation of the APWAM Project (T.V. Satyanarayana et al) and
9. Knowledge Networks for Capacity Building: A Tool for Achieving the MDGs? (Jan Luijendijk and Diego Mejia-Velez, UNESCO).

Deliberations after each presentation with a final plenary discussion in the concluding session allowed in-depth analysis and review of the issues that surround the design and implementation of capacity development strategies. IPTRID/FAO published the proceedings of the workshop.

Item 2.2.4 : Forth in Kuala Lumpur, Malaysia in 2006 during 57th IEC

The one-day workshop was concentrated on the theme on “Monitoring and Evaluation of Capacity-Development Programmes”. The workshop was jointly sponsored by ICID’s WG-CBTE and IPTRID/FAO. Six sessions were organized:

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

The six presentations provided insight into the processes of monitoring and evaluation of capacity-development programmes. IPTRID/FAO published the proceedings of the workshop.

Item 2.3 : Co-Convening Session on “Capacity Building and Social Learning” at WWF 4

The IPTRID of FAO in collaboration with UNESCO-IHE, Institute for Water Education, ICID and Water Research Commission (WRC), South Africa organized a two-hour Session on “Capacity Management Strategies and Social Learning amongst Stakeholders for a Sustainable Irrigation and Drainage Sector”. Local actions presented in the Sessions were :

- Capacity Development for Food Security in Nicaragua
 - Revitalization of Smallholder Rainfed and Irrigated Agriculture in South Africa and
 - Educational Program for School Children about Sustainable Management of Water Resources in Chile.
-

The Co-convening Session was able to learn the following lessons:

- Enhancing knowledge and capacity development reminds one of the most critical challenges in water resources management and hence, local levels capacity development and social learning strategies are required to advance a collaborative framework towards finding appropriate solutions to address livelihood issues,
- Capacity development actions need to be small components of larger projects,
- All capacity development projects should have implicit or explicit five stages of a cycle: (a) baseline survey to determine where we are; (b) capacity needs assessment for determining the gap; (c) formulation of strategies to solve problem or bridge gap; and (d) project implementation such as monitoring and evaluation which feedback into needs and (e) restarting the cycle,
- The challenges in the capacity development projects is the “Scaling up” and “Reaching out” and the process should be participatory in nature and
- Capacity development actions represent short, medium and long-term investments and there is a need to document “Impacts” so that the beneficiaries are aware and willing to continue their participation.

It was felt that this had been a useful session but it was regretted that there had as yet been no follow-up.

Item 2.4 : Development and launching of WG-CBTE website

WG-CBTE developed and launched its own website <<http://www.wg-cbte.icidonline.org/>>. The site highlights information on mandate, membership, activities, publications, agendas, minutes and useful links related to the WG-CBTE. Due care has also been provided from time to time to update the various contents to incorporate additional information on current activities being carried out by WG-CBTE.

The valuable and efficient role of Central Office in establishing and maintaining the website was acknowledged.

Item 2.5 : Preparation of FAO database on education and training opportunities

For the fulfillment of mandated tasks of the WG-CBTE, namely on “Compile the status of training and educational programmes offered in different regions, identify the training and education requirements & gaps and prepare guidelines for development and appropriate modification of education and training programmes”, the WG-CBTE relied on the FAO database of education and training opportunities based on the FAO tools highlighted on the FAO Website < <http://www.fao.org/AG/AGL/AGLW/wdeci.stm>>. The database so prepared kept in view and adopted from time to time including for the workshops conducted by the WG-CBTE.

IPTRID has also prepared a similar database “Capacity Development for Water in Agriculture”, which is regularly updated, and on which institutions can enter their own information. This database can be found at www.fao.org.landandwater/cdwa.

Dr. J. Stevens is preparing a database of training in extension in water management in South Africa.

Item 3 : In-line issue of irrigation and drainage on capacity development by WG-CBTE

The WG-CBTE in its 11th meeting held at Kuala Lumpur, Malaysia decided to mark the end of the tenure of the WG-CBTE with the in-line issue of Irrigation and Drainage Journal on Capacity Development.

A call for submitting the abstracts/full-length papers on certain suggested topics of capacity building was circulated amongst various National Committees of ICID to the Editorial Board constituted with three members, namely, Prof. Tom Franks, Chairman, WG-CBTE; Mr. Carlos Garces, Program Manager, IPTRID and Mr. Ferry Putuhena, member, WG-CBTE. The Committee accordingly, received 14 papers and is now in the process of reviewing them. The Committee is hoping to complete the reviewing process at the Sacramento meeting with a view to finalize the edition by the end of the year 2007.

It was noted that the quality of the papers submitted was not good, as it was expected. One of the possible courses of action opinioned during the meeting was calling for more papers, perhaps by extending it through other networks of irrigation professionals. However, it was noted that it might lead further delay in finalizing the edition.

Item 4 : Constitution of a successor workbody for WG-CBTE

In the 11th meeting while considering and recognizing the importance of Capacity Building, there was a general feeling amongst the participants that the Working Group in its present form should come to an end and wind-up its activities in Sacramento, USA in 2007.

The Group also noted that there were a considerable number of topics of importance in capacity development for irrigation and drainage such as:

- Building on the outputs of the WWF 4 with a view to provide input to further activities at 5 WWF (see Any Other Business)
- Capacity development of Bank Officers for handling more effective projects
- Skills training of farmers
- Training extension agents (particularly women)
- How to make capacity development efforts sustainable

The Group could not come out with a clear agreement on how to keep a focus on capacity development activities within ICID. It was noted that an emphasis on one-year programmes of workshops would be quite successful, but that would require financial support from a willing organization.

While deliberating on the issue, the Group felt that it would be desirable to keep the Group in existence through to the Lahore meeting in view of the accomplishments of the pending tasks such as (i) reviewing process of the proposed in-line issue of irrigation and drainage on capacity development; and (ii) contribution to the 5 WWF activities (see item 5 for details).

The Group also mentioned that the topic of 'Capacity Building' should be moved from the theme 'Systems' to 'Knowledge' while framing a Successor Body. The Chairman mentioned that a new Chairman is needed and identified for leading the new Group. NCs are requested to submit their nominations for the new Group.

Item 5 : Any other Business

The ENCID representative distributed the brochures of Regional Centre for Training and Water Studies.

The IPTRID Programme Manager distributed the available copies of several editions of GRID magazine.

During the meeting, the Turkish representative Mr. Hasan Basri Yuksel, State Hydraulic Works, General Directorate (DSI), Turkey spoke about the preparations and contributions needed for the 5 WWF for making the event a success.

The forum includes six main themes, out of which the identified theme of relevance having scope for WG-CBTE contribution is "Education, Knowledge and Capacity Building". The three cross-cutting sub-themes covered under the identified main theme are:

- Education and capacity building, strategies for sustainable water use and service provision;
- Water science and technology; appropriate and innovative solutions for the 21st century; and
- Using professional networks and associations to strengthen the water sector.

As the WG-CBTE has shown interest to contribute to the theme/sub-theme, the Chairman encouraged the willing members to come forward and submit their contributions.

The meeting ended with vote of thanks to the Chair.

MINUTES OF THE SIXTEENTH MEETING OF THE
COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)
 Sacramento, USA
 01 October 2007: 09.00-12.00 hours
Strategy Theme: Knowledge

Year of Establishment: 1992

Members Present : (1) Vice President Hon. Larry D. Stephens, Chairman (USA); (2) President Peter S. Lee (UK); (3) Ir. Paul van Hofwegen, Editor, ICID Journal (The Netherlands) represented by President Hon. Bart Schultz; (4) Prof. Hsieh, Yung-Hsu (Chinese Taipei) represented by Dr. Wen-Pin Shu; (5) Mr. B.S. Ahuja (India); (6) Vice President Hon. Javad Farhoudi (Iran) represented by Mr. Ahmad Pourzand; (7) Er. M. Gopalakrishnan, Secretary General, ICID; and (8) Mr. K.N. Sharma, Secretary, ICID.

Item 1 : Confirmation of minutes of the 15th meeting of the C-PR&P held in Kuala Lumpur, Malaysia on 11 September 2006

The minutes of the 15th meeting of C-PR&P held at Kuala Lumpur were confirmed by the Committee.

Item 2 : Bifurcation of C-PR&P into two Workbodies

The Management Board recommended that the Committee should continue as constituted earlier. The Committee on Public Relations and Publications concurs with this recommendation and will continue to review the ICID Newsletter and ICID website, offering suggestions to Central Office for improvement.

Item 3 : Review of membership of the Committee

No new member was recommended. It was agreed that no action regarding membership is required.

A. CONTINUING ITEMS

Item 4 : ICID publications which are brought out/under processing

4.1 Publications brought out during the period 2006-2007

The Committee noted the publications issued during the year, as outlined in the printed agenda.

President Peter S. Lee reviewed the changes made in the Quarterly *ICID Newsletter*. He opined that the Committee should become active in reviewing the Newsletter, offering continuing suggestions for improving the quality. He further suggested that National Committees be invited to review the quantity of the Newsletter that they receive, with a goal of increasing circulation within ICID. The Newsletter should also receive a wider distribution outside of ICID. The Committee Chair agreed to send comments to the Central Office following publication of each issue; further he encouraged other Committee Members to also review and comment on the Newsletter.

President Hon. Bart Schultz suggested that news from the *News Update* be published on the ICID website. He further recommended that the news on the website be in the form of brief, one-paragraph items.

Mr. B.S. Ahuja (India) suggested that professionals not affiliated with ICID be given the opportunity to receive the ICID Newsletter upon request that the Newsletter be mailed to them. The Committee agreed.

Secretary General tabled the *ICID Annual Report 2006-07*. The Committee noted the following:

- The Report has been printed with an attractive design, summarizing the work of the Commission and the National Committees and
- The Report is distributed to National Committees and a limited external mailing list

The Committee opined that National Committees can receive extra copies of the Annual Report upon request to the Central Office, ICID.

4.2 ICID Publications under processing

The Committee reviewed the WatSave 10 year summary that is in preliminary draft form. President Peter Lee indicated that finalization of the draft may require one more year. It was suggested that an executive summary be introduced/printed by ICID.

Mr. K.N. Sharma, Secretary, ICID reported that a new version of the Multilingual Technical Dictionary is under preparation, including additional and updated definitions, and with a new chapter on global climate change.

Er. M. Gopalakrishnan, Secretary General, ICID informed about the preparation of a report of the Working Group on Sustainable Development of Tidal Areas and their desire to publish the report with the funds contributed by the National Committee.

PH Bart Schultz mentioned about the preparation of the report of the Task Force on Inter Basin Water Transfers (TF-IBWT). He mentioned that the chapters 1 to 4 are in final stage while chapters 5 and 6 are under preparation. While preparing the chapters in addition to the in-house data connected through internet search and other publications, comments/data received from various National Committees have also been incorporated. Request for funding the publication was also discussed and informed the Committee that an indication of the budget in the ICID accounts has been provided and a donor is being identified.

Item 5 : Sale of ICID publications/Congress Transactions during the period 2006-2007

5.1 Sale of ICID Publications

Sales of ICID Publications, as reported in the meeting agenda, were reviewed. It was noted that many of the publications listed are offered without charge and many of them are published in CD versions.

Item 6 : Report of Joint Editors of ICID Journal

President Hon. Bart Schultz, Chairman of the ICID Journal Editorial Board, noted that five issues of the Journal are being published. A Special Issue on Drainage will be the final issue of 2007. A Special Issue on Capacity Building is scheduled for 2008 and a Special Issue on "Water for Food" will be issued in 2009, prior to the 5 WWF. He reported that the special ICID subscription rates for 2008 will be \$33 for electronic only and \$39 for electronic and print.

Wiley and ICID are currently negotiating a five-year contract to continue publication of the *ICID Journal*.

Item 7 : To review the progress of electronic version of "Irrigation and Drainage in the World - A Global Review"

Secretary General Er. M. Gopalakrishnan reviewed the status of the Global Review, as reported in the agenda.

Item 8 : Review of ICID website

Agenda items 8.1 and 8.2 for bringing improvements needed for making the ICID website more user friendly had been considered.

Secretary General, ICID reported that visits to the ICID website continue to increase.

The Committee agreed to review the website individually and send suggestions to the Central Office.

Item 9 : Establishment of websites by various Workbodies of ICID

As noted in the Agenda, many of the ICID Work Bodies have established websites. Work Bodies who have not created website are urged to do so.

Item 10 : Review of quarterly Newsletter of ICID

This Item is covered under Agenda Item 4.1.

B. NEW ITEMS

Item 11 : Publication of ICID Task Force Reports

- 11.1 Task Force 2:** Developing Position Paper on “Global Issues related to Food Production, Security and Trade”
- 11.2 Task Force 3:** Developing Position Paper on “Socio-economic Sustainability of Services Provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector”
- 11.3 Task Force 4:** Benchmarking of Irrigation and Drainage Projects
- 11.4 Task Force 5:** Promoting Appropriate Decision-Making Procedures for New Dams, particularly for Irrigation, Drainage and Flood Management.

The Committee noted that the Reports of the Task Forces shown under Agenda Items 11.1 to 11.4 were published and made available on CD-ROM during Sacramento IEC meeting. The TF Reports can also be accessed at ICID website (http://www.icid.org/icid_tf.html).

- 11.5 TF-LDCsAS:** Proceedings of the 1st and 2nd Special Sessions and the Task Force Report on Least Developed Countries in Asia.

The Committee was informed that the Report of the Task Force for the Least Developed Countries in Asia (TF-LDCsAS) including the Proceedings of the 1st and 2nd Special Sessions will be published with the financial support of the National Committees of Australia, Iran, Japan and Chinese Taipei.

Item 12 : Revision of ICID publications

The Committee recommended that ICID work bodies be reminded to review ICID publications and to make recommendations for updating existing publications or to recommend new publication initiatives, when appropriate.

Item 13 : Any other business

No other business was introduced.

The meeting was adjourned with vote of thanks to the Chair.

**MINUTES OF THE SIXTH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF
TIDAL AREAS (WG-SDTA)
Sacramento, USA
01 October 2007: 09:00-12:00 hours
*Strategy Theme: Basin***

Year of Establishment: 2001

Completion of the Mandate: 2009 (extended)

Members present: (1) Dr. Park Sang Hyun, Chairman (Korea, Rep. of); (2) Ir. Teoh Weng Chaw represented Ir. Mohd. Azhari Ghazalli (Malaysia); (3) Dr. Hafied Gany represented Dr. Indreswari Guritno (Indonesia); and (4) Mr. Ueda Kazumi (Japan).

Observers : (i) Dr. S. Taniyama (Japan); (ii) Ir. Jos. Van Alphen (The Netherlands); (iii) Ir. Kazuaki Hiramatsu (Japan); (iv) Dr. Hirishi Ikeura (Japan); (v) Prof. Yih-Chi Tan (Chinese Taipei); (vi) Dr. Ruey-Chy Kao (Chinese Taipei); (vii) Mr. Lim Jong Wan (Korea); (viii) Dr. Jeng woo, Na (Korea); (ix) Mr. Soon-Kuk Kwun (Korea); (x) Mr. Kyoung-Soo Kim (Korea); (xi) Prof. N. Hatcho (Japan); (xii) Mr. Bong-Hoon, Lee (Korea); (xiii) Mr. Satoru Yoshimi (Japan); (xiv) Mr. Yoshinari Ishkawa (Japan); and Mr. Kenji Seiyama (Japan).

Working Group website: <http://www.wg-sdta.icidonline.org> and <http://www.webhard.co.kr>

Item 1 : Confirmation of the minutes of the 5th meeting of the Working Group

The minutes of the 5th meeting of the Working Group held at Kuala Lumpur (2006), Malaysia were confirmed, which focused on preparation of handbook and position paper on SDTA.

Item 2 : Review of membership of the Working Group

The nominations of Dr. Ruey-Chy Kao (Chinese Taipei), Dr. Moustafa Twfik Gaweesh (Egypt), Dr. Gao Jing (China) in place of Dr. Cai Lingen, and Mr. Teoh Weng Chaw (Malaysia) in place of Ir. Mohd Azhari Ghazalli were discussed for the membership.

Among them, Dr. Ruey-Chy Kao (Chinese Taipei) and Mr. Teoh Weng Chaw (Malaysia) were accepted to be new members as they attended the WG meeting and showed their sincere willingness to contribute to WG activities.

The other two nominees will be asked to inform the Chair of their willingness to support the WG activities, before acceptance as WG members, in the following manner :

- Support to Chapter edition or authoring subchapter (s) of the Handbook.
- Review or revise the results of Chapter edition.
- Make presentation during the 7th WG meeting on SDTA in 2008 at Lahore in Pakistan .

A. CONTINUING ITEMS

Item 3 : Study Items

Based on the recommendations of the 2nd Workshop in Montpellier (2003), the study items as reflected in Annex 1 of the Agenda were confirmed for preparation of the proposed chapters of the Handbook.

Item 4 : Publication of the Handbook on SDTA

4.1 Three types of Contributions to prepare ICID Handbook on SDTA

The WG members were requested to commit themselves in preparing specific chapters/sections of the Handbook. Participating National Committees were also requested to provide three types of contributions:

- Type 1: Overall compilation and editing of one chapter by a particular country member
- Type 2: Contributions for the sub-chapters
- Type 3: Case studies

As far as progress on Type 1 is concerned, it was agreed that less progressive Chapter 3 and Chapter 4 shall be combined and Dr. Ruey-Chy Kao (Chinese Taipei) shall take over as the new editor : he will be supported by Dr. E.J. James (India) and Mr. Teoh Weng Chaw (Malaysia). In addition, the Japanese WT agreed to support the edition and drafting of the sub-chapters.

Chairman asked Dr. Ruey-Chy Kao (Chinese Taipei) to submit his editing plans and Japanese WT to submit their supporting plans.

The status and future plans for the revised edition were assessed as below :

Chapter	Description	Editor/s	Future plan
1.	Introduction	Jonathan Simm (UK) and Henk Ritzema (Netherlands)	Draft not yet completed, depends on the other chapters, but is relatively easy to complete.
2.	Aspects of managing development of tidal areas	Park Sang Hyun / Eo Daesu (Korea)	Draft available: about 70 pages, text has to be reduced to about 50 pages and has to be generalize and shortened.
3.	Tidal and lowland features	Indonesia / Malaysia	to be combined with chapter 4 and Dr. Ruey-Chy Kao (Chinese Taipei) will lead the edition with concerned WG Members and Japanese WT
4.	Existing natural processes	China to lead, with support from India and Korea	This Chapter is to be merged with Chapter 3.
5.	Engineering for SDTA	Dr. Hiramatsu (Japan), replacing Prof. Shikasyo	Draft completed.
6.	Tidal reclamation and their impact on natural processes	Berndt Probst (Germany)	Draft almost complete, although not all intended subjects are included.
7.	Integrated decision support framework	Jonathan Simm (UK) and Henk Ritzema (Netherlands)	See Chapter 1.

For the improvement of Chapter 6, Korean WT was asked to find suitable subchapter authors, since Ansan City (Korea) Meeting in July 2007. Chairman sought Korean WT's support for drafting of the chapter.

Progress on Type 3 contributions:

The following contributions have been prepared:

- China – coastal reclamation in North Jiangsu province, Yellow River Delta, Qiantong Jiang reclamation in river mouth in Zhejaing province
- India – Kalpasar project, Coastal wetlands
- Indonesia- Tsunami disasters, Tidal lowland development
- Japan – Kameda polder, Ariake Bay, Hachirogata,
- Germany – land reclamation in Meldorf Bight
- Great Britain – managed realignment projects
- Korea – Saemangeum project, Byeokgolje.
- Malaysia – Muda Irrigation Scheme
- The Netherlands- Flood Defences in Dike ring area

It was confirmed that the '*Vision and Principles*' for SDTA, developed by Ir. J. Simm (UK) and Mr Henk Ritzema (The Netherlands) in 2005 shall be applicable to Type 3 contributions. This will be referred to in other Chapters while editing. In addition, Chairman confirmed the "Format for case studies" developed by J. Simm to be used while reviewing the case studies.

4.2 More activities after Kuala Lumpur (2006) meeting:

The Japanese WT invited Chairman and Dr. Joi Jin Hoon (Korean WT member) to discuss editing plans of the Handbook and had a Seminar on SDTA from 28th to 29th in March 2007. After the Seminar, it was informed that Dr. Masayuki Imaizumi will be the new author for sub-chapter 4.7. The WT has interests in preparing sub-chapters 3.3, 3.4, and other subchapters also.

The Korean WT has supported publishing the Workshop Proceedings on SDTA in 2007, as usual. This was gratefully taken note of.

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, as included in Annex 9 of Supplementary Agenda.

China has arranged the translation of its Chinese Handbook dealing with Tidal Areas. After the meeting in 2006, the electronic versions of Ch 4.2, 4.3, 4.4 were made available.

Selection of Hand book Reviewer and integrating editors

The WG decided to select proper handbook reviewers from among SDTA contributors after Ansan Meeting in Korea, as follows :

Chapters	Proposed Reviewers
Chapter 1 Introduction	Mr. Kim Ju Chang (Korea) editor of previous WS Proceedings Dr. E.J James(India) contributed to derive definition of SDTA
Chapter 2 Managing development	Mr. Bernd Probst (Germany) Editor of Chapter 6 Dr. S.Taniyama(Japan), Supporter for WG-SDTA
Chapt. 3 Tidal feature and Chapter 4 Natural process	Ir. J.. Simm(UK), Editor of Chapter 1 and 7
Chapter 5 Engineering for SDTA	Dr. Bart Shultz (the Netherlands), Supporter for WG- SDTA Dr. Park S. H(Korea), Editor of Chapter 2
Chapter 6 Impact on natural process	Ir. H. Ritzema(the Netherland) Editor of Chap. 1, 7 Ueda K(Japan), Author of Subchapter 1.2
Chapter 7	Dr. Hiramatsu (Japan), Editor of Chapt. 5 Dr. Vijay K. Labhsetwar (ICID), Supporter for WG- SDTA

Dr. S. Taniyama, Dr. Park, Mr. Ueda, Dr. Hiramatsu agreed to review concerned Chapters. Dr. Bart Schultz also agreed to join the review team.

Mr. K.N. Sharma (ICID Central Office) recommended to appoint two or three editors to integrate the results of the Handbook (draft).

4.3 Position paper on '*Sustainable Development of Tidal Areas*'

The position paper has been prepared by WG leaders during the interim meeting held in July 2007 in Ansan Korea, for circulation among the WG members and supporters for comments/suggestions. The final draft (post Sacramento meetings) will be circulated to all NCs before placing it to IEC for endorsement at Lahore meeting in 2008.

The Draft position paper on '*Sustainable Development of Tidal Areas*' is available in the Workshop proceedings (2007) and Annex 8 of the Supplementary Agenda for ready reference.

4.4 A special issue of ICID Journal on Irrigation and Drainage

It was confirmed that a special issue of ICID Journal on Irrigation and Drainage will be published (10 to 12 papers - *about 124 pages*) on topics to be decided by the WG. The members of the WG-SDTA will be the lead authors of the papers. The papers will synthesize the contributions from the workshop proceedings and case studies. The special issue will be available as a hard copy and as on-line version. Editorial committee for the special issue will be nominated by the WG. Dr. Park, Mr. Simm and Mr. Ritzema will present a proposal on 'topics' for consideration of the WG (lead authors).

4.4 Financial Support to publish the Handbook

ICID Central Office confirmed that a financial support of US \$ 8,000 to 10,000 will help to cover printing costs of the Handbook as this is not a budgeted activity.

WG members discussed sharing the publishing costs among NCs, equally. The Chairman asked WG members to get more reliable idea on sharing the budget from National Committees, in an efficient way. To meet the publication schedule of the Handbook, sharing plan shall be decided by end of July 2008 and electronic communication will be resorted to, for this purpose.

Item 5 : Cooperation between WG-SDTA and related Organizations

Not much has been achieved in terms of cooperation with these organizations i.e. Global Peat Initiative (GPI), Ramsar and the ICID Working Groups on Environmental Impacts of Irrigation, Drainage and Flood Control Projects (WG-ENV) and on Drainage (WG-DRG).

However it was proposed to send the draft position paper to these organizations, when available for review and comments.

Mr. Lee Bong Hoon (Korea) informed that some of Korean WT members will join Ramsar Program to be held in Korea in 2008.

Item 6 : Future Activities of the WG

The 4th the Workshop on SDTA

Chairman confirmed the Workshop plan on SDTA to be held on 4th October 2007 and the topics of the papers as follows:

- 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
 - Model study on coastal process in Taiwan-Dr. Ruy-Chy Kao(Chinese Taipei)
-

2008:

- Mid 2008: revise chapters ready for publication
- Autumn 2008: comments from the members and National Committees will be discussed and draft approved by WG-SDTA during the October 2008 meeting in Lahore, Pakistan. The ICID position paper on '*Sustainable Development of Tidal Areas*' can then be placed for PCTA consideration and finally to IEC for its approval to adopt it as ICID position paper.
- **2009:** Activities may be described and included in the *Annex* for 2009.
- **2010:** SDTA Handbook is proposed to be printed and released during IEC meeting in Indonesia in 2010.

Item 7 : Any Other Business

Chairman suggested to apply for ICID Triennial Award for 'Best Performing Workbody' to be awarded during 20th ICID Congress in 2008.

Three WG members had been invited to the international expert consultations concerning SDTA from the Netherlands. Mr. J. Simm and Ir. H. Ritzema are scheduled to attend the meeting to give their presentations concerning SDTA.

FIVE-YEAR ROLLING PLAN- WG-SDTA

Activity	'04	'05	'06	'07	'08
Publication of Hand Book <ul style="list-style-type: none"> • Preparation of outline of publication Guidelines • Assigning Authors • Study and Writing • Publishing electronic versions of background information, case studies and draft chapters on WG-website • Compile and revise presented material • Publication of the Handbook • Dissemination of Handbook 	 ✓ ✓ ✓ 	 ✓ ✓ 	 ✓ ✓ ✓ 	 ✓ ✓ ✓ 	 ✓ ✓
Workshop <ul style="list-style-type: none"> • Writing and review of contributions by authors • Hold the workshops during ICID meetings • Prepare workshop results for inclusion in guidelines • Post on ICID Website for review and feedback 	 ✓ ✓ 	 ✓ ✓ 	 ✓ ✓ ✓ 	 	

**MINUTES OF THE FIRST MEETING OF THE
WORKING GROUP ON MODERNIZATION OF IRRIGATION SERVICES (WG-MIS)
Sacramento, USA
01 October 2007: 09.00-12.00 hours
*Strategy Theme: Systems***

Year of Establishment: 2007**Completion of the Mandate: 2012**

Preamble: As per the decision of the 56th IEC meeting held at Beijing on 17 September 2005, the Working Group on Development and Management of Irrigation Systems (WG-DMIS) concluded its activities at Kuala Lumpur meeting (September 2006) and proposed to PCTA/ 57th IEC for creation of a new working group with a fresh mandate and objectives. The WG-DMIS proposed the name of the new group as “Working Group on Modernization of Irrigation Services’ (WG-MIS). The proposal was approved at the IEC meeting held at Kuala Lumpur on 14 September 2006.

Item 1 : Mandate, objective and tenure of the working group

The mandate and objective of the WG-MIS, as developed and refined from its predecessor workbody – WG-DMIS is as follows:

Mandate: To provide a continuing focus in ICID for sustainable improvement of irrigation service delivery through progressive modernization of infrastructure, management and institutions.

Objective: The objective of the working group would be to facilitate improving irrigation service delivery by the adoption of the innovations in management, infrastructure and hardware and governance.

Tenure: The proposed tenure of the WG-MIS will be of six years. The group will plan completion of its mandate by 2012.

Item 2 : Membership of the WG

At the closing meeting of the predecessor working group i.e. WG-DMIS, it was agreed that the members will be identified from the membership of the WG-DMIS and in consultation with the concerned national committees, while all the past nominations received will be forwarded to the WG-MIS for consideration. In view of the above, following members and permanent observers from the erstwhile WG-DMIS were present in the meeting and were considered and accepted by the group.

Members : (1) Dr. Huh, Yoo-Man (Korea); (2) Mr. Thomas E. Mitchell (USA); (3) Mr. Maurits Ertzen (Netherlands); (4) Dr. Jiesheng Huang (China) represented by Dr. Zhanyi Gao; (5) Mr. Y. Yukawa (Japan) represented by Mr. Shuhei Seyama; (6) Mr. Lee, Tsong-Hwei (Chinese Taipei) represented by Mr Tan Chih Hung; (7) Dr. Illahi B. Shaikh (Pakistan); (8) Dr. M.K. Siahi (Iran) represented by Mr. Ezzatollah Parhadi; (9) Mr. François Brelle (France).

Permanent Observers: (i) Mr. Pasquale Steduto (FAO representative); (ii) Mr. Carlos Carces (IPTRID representative); (iii) Mr. Peter S. Lee (Great Britain); (iv) Mr. Hervé Plusquellec (USA/France).

Observers: (i) Yong Jig Lee (Korea); (ii) Wook Jong Ju (Korea); (iii) Len Ring (Canada); (iv) S. Manoharan (India); (v) Clarke Ballard (Australia); (vi) Sunawan (Indonesia); (vii) Seren Ahmert (Turkey); (viii) Bob Gooch (USA); (ix) Russell Cooper (Australia); (x) Eric Viala (USAID); (xi) Kathy Schuler (USA); (xii) Seyama Shuhei (Japan); (xiii) Dr. Willem Vlotman (Australia); (xiv) P.S. Rao (India); (xv) S.V. Govardhandas (India); (xvi) C. Jacob (India); (xvii) Ghulam Nabi Mangrio (Pakistan).

Following nominations (both, for replacement and new) as received for the membership of the WG-DMIS were forwarded to the WG-MIS for consideration:

- Mr. Francois Brelle in place of Mr. Francois Onimus (France)

- Dr. Ian Makin in place of Dr. M. Burton (UK)
- Mr. Sezar Ercan in place of Mr. M. Gunduzalp Dikmeneoglu (Turkey)
- Dr. Illahi B. Shaikh (Pakistan)
- Dr. Ashwani Kumar (India)
- Ms. Marina Pintar (Slovenia)
- Prof. Filali B. Abdelwahab (Morocco)

From the above nominations, Mr. Francois Brelle (in place of Mr. Francois Onimus) and Dr. Illahi B. Shaikh (Pakistan) were accepted and included in the membership list.

No other new nominations were considered as they were not present in the meeting.

Item 3 : Selection/ nomination of the Chairperson, Vice Chairperson and Secretary of the WG

At Kuala Lumpur, the WG-DMIS had proposed Mr. Francois Onimus (France) as Chairman (Elect), while other office bearers to be selected at Sacramento meeting. However, the French National Committee (AFEID) has nominated Mr. Francois Brelle in place of Mr. Francois Onimus for the membership of the group.

Mr. Francois Brelle volunteered to conduct the meeting of the group. Subsequently, the group elected a Chairman, Vice Chairman, and Secretary as follows:

Chairman: Mr. Maurits Ertsen (Netherlands)

Vice Chairman: Mr. François Brelle (France)

Secretary: the group proposed that the Australian National Committee (ANCID) nominate a professional for the membership of the group, who will act as Secretary.

Item 4 : Discussion and presentations by members/ observers

Several good ideas and questions emanated from the discussions and were incorporated into the draft work plan. The following main questions were asked and discussed:

- What is modernization and what are its purposes? The answer emerged as improvement of delivery service to farmers, increase efficiency, etc.
- Modernization concerns not only technology but also managerial as well as institutional aspects. The scope is very wide.
- What are the challenges for modernization? The answer was to improve productivity of water, irrigated agriculture, etc. It depends on the countries, of the contexts.
- Modernization is a long term process and is not compatible with the short deadlines imposed by the financiers.
- There is a lot of resistances to modernization. This may be due to traditions of the system owners, lack of motivation of consulting firms, failure of pilot projects, lack of training, etc.
- The WG must clarify what it intends to do: promote the concept, establish documents, define guidelines, etc. As plenty of documents on this subject already exist, there is no need for producing additional one by the group.
- Modernization is an intricate subject. Therefore, we need a concise and clear definition for modernization.

Mr. Pasquale Steduto (FAO) presented the FAO's ideas (the MASSCOTE project) for a workshop to be held in Lahore next year.

Item 5 : Agenda items and draft work plan of the working group

5.1 Old items

The group proposed to encourage the authors to finalize the documents dealt by the preceding group (WG-DMIS) viz. *“Manual on Asset Management”* and *“Rehabilitation, Modernization and Maintenance of Irrigation and Drainage Systems while in Service”* but the manuals will not be part of the work to be accomplished by the new group.

As regards the benchmarking activity, the group concluded that it was closed in Kuala Lumpur and this WG will not continue it. But it was underlined that benchmarking remains part of the global methodology for modernization.

5.2 New Items

The WG will work with FAO on a one day workshop in Lahore in October 2008. It will address responses or additions to FAO paper # 63 (MASSCOTE). It will include presentation and analysis of few successful and unsuccessful experiences in the field of modernization of irrigation.

Mr. Ertsen, Chairman will develop a web page platform in order to collect ideas and suggestions to develop a definition for modernization of irrigation services. It is expected to be operational around mid-November, so as to arrive at a definition by the end of the year. Interested people can submit their ideas on the definition.

5.3 Future activities

The group expressed the idea that it would be interesting to organize a workshop dedicated to setting up guidelines of terms of references for modernization (physical as well as organisational and institutional). A draft paper prepared by Mr. Hervé Plusquellec was distributed among the group.

The group also discussed how to address internal and external safety issues and poverty alleviation as a part of modernization.

Item 6 : Any other business

Mr. Len Ring (Canada) showed a video presenting the main features of water management in the Irrigation District of Alberta.

**MINUTES OF THE TENTH MEETING OF THE
WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)
Sacramento, USA
01 October 2007: 09.00-12.00 hours
Theme: On-Farm**

Year of Establishment: 1998

Completion of the Mandate: 2009

Members Present: (1) Mr. Felix Reinders, Chairman (South Africa, 1998); (2) Mr. Stephen Mills, Secretary (Australia, 2001); (3) Dr. H. Sourell (Germany, 1999); (4) Mr. Yeh Shu-Shr (Chinese Taipei, 1999) represented by Yi Fong; (5) Mr. P. Ruelle (France, 1999) represented by Mr. Bruno Molle; (6) Mr. Yan Guanyu (China, 2002); (7) Dr. J.A. Ortiz Fdz.- Urrutia (Spain, 2003); (8) Dr. J.E. Ayars (USA, 2003); (9) Mr. Graziano Ghinassi (Italy, 2004); (10) Prof. Y. Nakano (Japan, 2004); (11) Dr. A.K. Randev (India, 2005); (12) Mr. Hassan Shantia (Iran, 2006); and (13) Secretary General, ICID.

Permanent Observers: (i) Mr. Bruno Molle (France), ISO; (ii) Ms. Sasha Koo-Oshima (FAO representative)

Observers: (i) Mr. D. Datta (India); (ii) Mr. P.S. Kelkar (India); (iii) Mr. Hisham Shehab (Egypt); (iv) Mr. Moomen El Sharkawy (Egypt); (v) Mr. Ramesh Chander (India); (vi) Dr. P.R.K. Prasad (India); (vii) Ms. Ronit Golovaty (Israel); (viii) Yacov Lev (Israel); (ix) Rani Moleh (Israel); (x) Matt Aguiar (USA); (xi) Mr. Bert Clemmens (USA); (xii) Dr. Mohan Reddy (USA); (xiii) Mr. William R. Johnston (USA); (xiv) Bambang Hargono (Indonesia).

Apologies: J Dunn (Great Britain)

In all, about 40 people were present for the WG meeting and the following workshop.

Item 1 : Confirmation of the minutes of the 9th meeting of the Working Group held at Kuala Lumpur

The minutes of the 9th meeting of the group held at Kuala Lumpur in September 2006 were confirmed without amendments.

Item 2 : Tenure and review of membership of the Working Group

2.1 Tenure of the Working Group

The group has proposed to conclude its ongoing activities by 2009 and prepare a fresh mandate of the new group. The group constituted a team consisting of Felix Reinders, Stephen Mills, Peter Kovalenko and Bruno Molle to prepare a mandate of the new working group, keeping in view the new issues and challenges of on-farm irrigation management and technology. This new mandate will be presented at the Lahore meeting in 2008.

2.2 Membership

The Kazakhstan National Committee (KAZCID) has nominated Mr. Tauipbaev Sultanbek Tauipbaevich for the membership. As Mr. Tauipbaevich was not present at the meeting his nomination was not considered.

It was approved that Dr. Mohan Reddy Junna will replace Dr. James Ayars as the USCID representative on the WG.

A. CONTINUING ITEMS

Item 3 : To review the progress in preparation of documents

3.1 Paper on “Advances in Mechanized Irrigation versus Environment”

Dr. A.K. Randev (India) was entrusted with the task of finalisation of a paper on “Advances in Mechanized Irrigation versus Environment”. Members provided their comments to him so he could finalize the paper. Dr. Randev has since finalised the paper and submitted it to the ICID Journal for its possible publication.

Dr. Randev briefed the WG about the final version of the paper and the WG decided to close this item.

3.2 Manual on “Performance Evaluation of Sprinkler and Drip Irrigation Systems in Different Agro-climatic Regions of the World”

The Central Office received the final draft version of the manual on “Manual for performance evaluation of sprinkler and drip irrigation systems” on a CD from Mr. Graziano Ghinassi. The Central Office has carried out editing and necessary formatting towards printing of the manual. A final draft version was tabled at the meeting.

The group thanked the Italian National Committee (ITAL-ICID) for providing funding support towards the printing of the publication.

Mr. Ghinassi briefed the WG on the manual. The final version as prepared by the Central Office will be reviewed by Messrs Felix Reinders, Bruno Molle and Dr José A. Ortiz-Urrutia. Their comments must be sent back to Central Office before the end of January 2008. The WG proposed to release the document at the next meeting scheduled to be held at Lahore.

3.3 Paper on “Improvement of the On-farm Irrigation Systems Using Simple Water Control, Measurement and Application Devices”

Mr. Stephen Mills (Australia) informed the meeting of the progress of work on “Improvement of the On Farm Irrigation Systems using Simple Water Control, Measurement and Application Devices.” A draft paper would be available for presentation in Lahore.

3.4 A paper on “Promoting Small Scale Micro Irrigation Technologies”

Prof. Y. Nakano (Japan) presented a paper titled “Promoting small scale micro irrigation technologies”. The title of the paper has been changed to “Micro irrigation for smallholders and greenhouses”. The paper can now be proceeded for review for its possible publication by ICID.

Item 4 : Liaison with the ISO/TC23/SC18

4.1 Presentation and dissemination of documents

The group took note of the presentation made by Mr. Bruno Molle, Permanent Observer, ISO on “Cross testing of drippers” at the Kuala Lumpur meeting.

The group also took note of various documents as received from the Secretariat of SC-18, Israel, and disseminated by the Central Office amongst members since the Kuala Lumpur meeting.

4.2 Feedback from the 25th meeting of SC 18 held in October 2006 in Israel

The 25th meeting of SC18 was held at Eilat, Israel from 20 to 27 October 2006. The Central Office facilitated by liaising with Bureau of Indian Standards (BIS), India for participation of a few professionals. The 26th meeting of the SC18 is scheduled to be held from 27 October to 1 November 2007 in Tel-Aviv, Israel. Chairman has requested Israel National Committee (ISCID) to nominate a professional to participate in the meeting.

The Central Office had requested Ms. Ronit Golovaty (ISCID) to help in resolving/ sorting out the difficulties towards getting/ accessing the standards. Ms Ronit Golovaty briefed the meeting on the progress of resolving issues

surrounding the joint ISO/CEN/ICID Hand book on “Irrigation Equipment Standards” which is under preparation by Mr. Bruno Molle. Ms. Golovaty will again take up the matter with Mr. Silberstein, Chairman, SC18 at the 26th meeting.

4.3 Standardization of surface irrigation equipments

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 national committees and members of WG-ON-FARM regarding products associated with surface irrigation in their respective countries that might merit international standardization. At the last meeting of SC18 held in Eilat, Israel, delegates from India suggested standardizing surge irrigation valves and gates for gated pipe. Also a suggestion from the United States that the thin-walled, lay-flat, plastic irrigation tubing should be standardized.

The Central Office, in consultation with the Chairman has circulated a draft questionnaire to all national committees with a request to fill it up and send it to Dr. Allen R. Dedrick or VP Felix Reinders. Pakistan National Committee (PANCID) has responded the questionnaire. All other national committees were requested to provide the information.

Dr. Ayars (USA) provided an update at the meeting.

4.4 ICID Multilingual Technical Dictionary (MTD)

Preparation of the revised version of the MTD is in progress. Members were requested to send their comments/ observations on various terms related to on-farm water management given in Chapter XII of the MTD to the Chairman for its compilation and onward submission to Central Office.

The Chairman updated the members about the group’s contribution.

Item 5 : Survey of World-wide Usage of Micro and Sprinkler Irrigation

5.1 Datasheet on Sprinkler and Micro Irrigated Area in ICID member countries

An updated data of the micro and sprinkler irrigated areas as received from some national committees since Kuala Lumpur meeting was circulated in the meeting.

5.2 Survey of World-wide Usage of Sprinkler and Micro Irrigation

In view of the poor response to the earlier version of the questionnaire “Survey of World-wide Usage of Sprinkler and Micro Irrigation” from National Committees, a simple abridged version of the questionnaire as prepared by the Central Office was tabled in the meeting for comments/ suggestions from members. Chairman requested all the members to help in getting the questionnaire filled by their respective national committees.

Item 6 : Webpage of the work body

At Kuala Lumpur, the Chairman had requested all members to contribute to the webpage of the working group by way of providing information on new publications (books, manuals, technical papers, proceedings of the national and international workshops), interesting pictures about on-farm irrigation system, new softwares, useful links etc. There is still very limited information on the website and the chairman encouraged members to provide new and updated information for inclusion on the website.

Item 7 : Invitation of proposals for 8th International Micro irrigation Congress (8 IMC)

The 7th International Micro irrigation Congress (7 IMC) was successfully held at Kuala Lumpur in September 2006. The invitation for hosting of the 8th International Micro irrigation Congress (8 IMC) is open. National committees wishing to organize/ host the event may submit their proposal to the Central Office for its onward submission to IEC. The WG took note of the information.

Item 8 : To update the work plan of the Working Group

The group had proposed to revise the work plan (up to 2009) in view of the completion of the ongoing activities of the group. Chairman will present a revised work plan of the WG for discussion at the Lahore meeting.

Item 9 : Upgrading/ modernization of surface irrigation systems

At the Beijing meeting, Dr. Nairizi had emphasized the necessity for upgrading/ modernization of surface irrigation methods. He observed that in many countries, there was more emphasis (both financial, allocation and R&D efforts wise) on promotion of sprinkler and micro irrigation systems and less attention was paid towards improvement of the traditional surface irrigation methods, especially in South-East Asia. Some simple and low cost irrigation technologies like use of siphon tubes, gated pipes, LASER land grading, despite having significant potential for improving the on-farm irrigation efficiency, are sparingly used in practice.

The Central Office had requested all members to provide a write-up on the best practices, experiences and lessons learned in modernization of surface irrigation methods in their respective countries.

Dr. Ortiz would like to see some more information on surface irrigation placed on the website. Representative of USCID and ANCID volunteered to supply some information on this aspect for inclusion on the website.

Item 10 : Any other business

Mr Stephen Mills (ANCID) promoted the Australian Luncheon that would be held for all Conference delegates on Friday. At the luncheon, there will be a presentation of 'Innovation in Irrigation case studies' from Australia.

At the conclusion of the WG meeting a workshop on 'Reusing waste water for Irrigation' was conducted by Israel National Committee (ISCID).

**MINUTES OF THE TWENTYSECOND MEETING OF THE
WORKING GROUP ON COMPREHENSIVE APPROACHES
TO FLOOD MANAGEMENT (WG-CAFM)
Sacramento, USA
01 October 2007 : 14.00-17.00 hours
*Strategy Theme: Basin***

Year of Establishment: 1999**Completion of the Mandate: 2005**

Members present: (1) Ir. Dick de Bruin, Chairman (The Netherlands); (2) Dr. J.A. Ortiz represented Prof. J.L. Montanes (Spain); (3) Mr. V.C. Ballard (Australia); (4) Dr. Takeshi Hata (Japan); (5) Prof. M.F. Viljoen (South Africa); (6) Mr B.S. Ahuja represented Mr. R. Jeyaseelan (India); (7) Mr. Jeong Woo, NA represented Mr. Jim Soo Kim (Koera); (8) Dr. Illahi B. Shaikh (Pakistan); (9) Prof. Josip Petras (Croatia); (10) Mr. Ahmet Seren (Turkey); (11) Mr. Maurice Roos (USA); and (12) Prof. dr. Franc Steinman (Slovenia).

Permanent Observers : Mr Avinash Tyagi (WMO).

Observers: (i) Ir. Jos van Alphen (The Netherlands); (ii) Mr Ghulam Nabi Mangrid (Pakistan); (iii) Mr. Henri Tardieu (France); (iv) Prof. Josip Marusic (Croatia); and (v) Mr. P. S. Kelkar (India).

Item 1 : Confirmation of the minutes of the 21st meeting of the Working Group

The minutes of the 21st meeting of the WG held at Kuala Lumpur in Malaysia were confirmed.

Item 2 : Review of the Membership of the Working Group

The Netherlands National Committee of ICID (NETCHID) has nominated Ir. Jos van Alphen in place of Mr. Dick de Bruin. The Indian National Committee of ICID (INCID) has nominated Mr. A. K. Ganju in place of Vice President Hon. R. Jeyaseelan.

The nominations of Ir. van Alphen (The Netherlands) and Mr. A.K. Ganju (India) were accepted.

Fresh nominations have also been requested from Canada, Czech Republic, France, Indonesia and Morocco. Their responses are awaited.

Item 2.1 : Successor for the Chairman of the WG

The Pakistan National Committee has proposed/nominated Engr. Dr I. B. Shaikh (Pakistan) for the Chairmanship of the WG. The WG accepted the nomination unanimously. He will take over as the Chairman of the WG at the end of the Sacramento meetings.

WG members unanimously acknowledged the hard work put-in by Mr. Dick de Bruin during his period as

Chairman and thanked him for his efforts.

Item 3 : Discuss the status of preparation of the study topics selected from the “broad mandate” of the Working Group

With the completion of the manual “*Planning of Structural Approaches to Flood Management*” by former Chairman Dr van Duivendijk (the Netherlands) together with WG members in 2005, which covers topics from the “broad mandate” selected at that time (2001), the mandate of the WG has now been covered.

The WG considered that, since 2001, there is increased likelihood of climate change, sea level rises, more flash floods and more people living in flood-prone areas. These issues should now become the focus of the WG. It was considered that the present name of the WG is comprehensive enough to cover the change of emphasis, and that the present name should be retained.

Item 3.1 : Presentations on Floods (Country Case Studies)

Central Office had requested WG members to present country information on “flash Floods”. Prof. Petras (Croatia) will make his presentation on 3 October 2007, and could lengthen the presentation if extra time is available. Responses from other countries on this issue are awaited.

Item 4 : ICID Position Paper on ‘Flood Management’

A paper on “*The Management of Riverine Floods*” prepared by Messrs P. Burrows (UK) and D. de Bruin (the Netherlands) was presented at the World Water Forum in Mexico (2006), and also published in a special edition of the ICID journal (Issue 55 Supplement 1, 2006). It was accepted by the WG as an ICID position paper and presented to PCTA for approval at the Kuala Lumpur meetings in 2006. The PCTA recommended to circulate the paper to National Committees for comments. A final draft is now available, and is considered satisfactory by the authors. It will now be presented to PCTA meeting for its formal adoption in Sacramento.

The WG concurred with the above actions, and congratulated the authors on the likely finalization of the paper.

(PCTA has since recommended that ICID endorse the position paper).

Item 5 : Future Activities of the Working Group (activity plan)**5.1 Publications in Progress**

It was proposed last year (Kuala Lumpur, 2006) to bring out a special publication (as a CD-ROM) based on “*Country Presentations*” made in recent years. However, in view of the papers to be presented at the workshop at Lahore in 2008, the Chairman suggested that publication may take place after the Lahore meeting, providing opportunity to include Country papers presented in Lahore workshop. The WG concurred with the suggestion/proposal.

5.2 Workshop on Flood related aspects during Sacramento (2007) meetings

The half-day workshop has been scheduled on 3 October 2007 (Wednesday) afternoon, where seven presentations will be made. The Chairman will also take the opportunity to introduce and promote the workshop planned for next year at Lahore (2008).

(The workshop has since been concluded successfully).

5.3 Workshop on Flood Management during Lahore (2008) Congress

The one-day workshop will be titled “*Flood Management: Flood Monitoring and Early Warning*”. It was indicated that contributions could be expected from: Pakistan (2 papers), India, China, Croatia, possibly South Africa, Netherlands, possibly Iran, Turkey, USA, possibly Japan, and Australia. WMO will also present two papers and will assist Pakistan in organizing the workshop. Pakistan National Committee has confirmed that Mr. Bashir Ahmad (Pakistan) has been appointed as co-ordinator for the workshop. Mr. Ahmad also had indicated in his earlier e-mail of 18 June 2007 to prepare an appropriate document and present it in Sacramento meetings. Unfortunately, he was not available for the WG-CAFM meeting. The intended document was supposed to be an improved version of the document as submitted in 2006 by the Pakistan National Committee in Kuala Lumpur. In fact, the new version is supposed to be a major introduction for the planned workshop in Lahore (2008).

The WG proposed to accept abstracts of papers till 15 December 2007 and full papers by 1 March 2008, but only if more clarity is given (urgently) by the Pakistan National Committee on Irrigation and Drainage (PANCID) on - (a) the improved version of the 2006 document, and (b) the date of the planned workshop in Lahore (2008). If this happens, the former chairman, WG-CAFM can assist in preparing and setting up the 2008 workshop, following the above deadlines. The Chairman further informed that he himself will however be not available in 2008 for Lahore workshop and it must therefore be chaired by Engr. Dr. I.B. Shaikh (Pakistan), the new Chairman of WG-CAFM.

5.4 New Working Group on ‘Value Engineering’

Dr Emami (Iran) originally raised this matter at Beijing (2005), proposing a new WG on “Value Engineering”. Central Office requested the views of the WG prior to consideration by PCTA and IEC. Dr. Emami had prepared a short abstract, which was tabled for consideration by the WG, unfortunately in his absence.

The WG recommendations to PCTA were as follows:

“The Working Group did not consider itself to be the appropriate body to make a recommendation on this issue. The WG is uncertain of the applicability of ‘Value Engineering’ to irrigation and drainage, but it may be applicable if it includes the concept of ‘asset management and maintenance’ as well as ‘capital projects’. The WG suggested that a small task force, with a life of one year (including Dr Emami) be established to elaborate and explain to PCTA on the applicability of ‘Value Engineering’ to irrigation and drainage”.

(The PCTA has since agreed to consider the proposal, if presented, at Lahore in 2008).

5.5 5th World Water Forum (March 2009) in Turkey

Prof. Petras (Croatia) has prepared a paper on “Water Management and Flood Control Issues in Croatia” for the Sacramento workshop (2007). The Chairman suggested that it could be expanded to more generally cover “Water Management in the Balkan” and that this paper could be considered as an ICID contribution to WWF-5. This matter will be taken up following the Sacramento workshop on 3 October 2007.

Item 6 : Tenure of the Working Group

The WG has already outlived its “life” of six years as a temporary work body, and therefore should finalise its activities within three years, say by 2009.

The Pakistan National Committee has expressed the view that flood management is becoming a very important subject in the wake of rising local temperatures, and the WG should therefore continue in some form. A more structured proposal can be discussed at the next meeting at Lahore in 2008. The proposal will be prepared by the new Chairman.

Item 7 : Any other business

- **APFM Newsletter**

This was circulated to WG members in November 2006.

- **3rd HEPEX Workshop**

These workshops deal with statistical and theoretical issues which are potentially important and useful, but appear to be still some way from practical application in flood warning.

- **4th International Symposium on ‘Flood Defence’, 14-16 May 2008, Toronto, Canada**

The symposium has some 200 abstracts, which are currently being assessed. At least two WG members will attend the symposium and will report back to the WG at Lahore meeting in 2008.

- **EU : New Floods Directive adopted**

In April 2007, the European Parliament adopted a set of compromise amendments on a proposal for a directive on the assessment and management of flood risks. Member States must make preliminary risk assessments, and prepare detailed maps and flood management plans by 2015. Measures in the upstream parts of a catchment may not compromise downstream parts of the catchment.

The WG considered that the European Regional WG of ICID was the appropriate body to follow up on this issue.

**MINUTES OF THE FOURTEENTH MEETING OF THE
WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)
Sacramento, USA
01 October 2007: 14.00-17.00 hours
Theme: Systems**

Date of Establishment: 1994**Completion of the Mandate: 2009**

Members Present: (1) Eng. Hussein El-Atfy, Chairman (Egypt, 2000) represented by Mr. Mohamed Wahba; (2) Dr. Alain Vidal (France, 1995) represented by Mr. Bruno Molle; (3) Dr. Hsu, Shiang-Kueen (Chinese Taipei, 1997) represented by Mr. Yi Fong; (4) Prof. Kaipeng Jiang (China, 2003) represented by Dr. Yuan Hua Li; (5) Dr. Neil Louis Lecler (South Africa, 2003) represented by Dr. Gerhard Backeberg; (6) Mr. Mehrzad Ehsani (Iran, 2006), (7) Dr. Mark Svendsen (USA, 2007) (Acting Chairman).

Observers: (i) Dr. W.F. Vlotman (Australia); (ii) Mr. Heinz Sourell (Germany); (iii) Mr. Yi Fong Ho (Chinese Taipei); (iv) Mr. Ahmad Purzand (Iran); (v) Mr. P. Steduto (Italy); (vi) Mr. Bert Clemmens (USA); (vii) Mr. Kyoung Soo Kim (Korea); (viii) Mr. Wook Jong Ju (Korea); (ix) Ms. Ronit Golovaty (Israel); (x) Mr. Yakov Lev (Israel); (xi) Mr. Ellever Kelmlesles (Israel).

Procedure for the conduct of the meeting

Since Eng. Dr. Hussein El-Atfy, Chairman could not attend the meeting, the proceedings were initiated by Mr. M. Gopalakrishnan, Secretary General. Item 1.2, on membership was dealt with first. Dr. Mark Svendsen (USA) and Dr. Yuan Hua Li (China) were accepted by the Group as members. He then proposed Dr. Mark Svendsen's name for chairing the sitting which was unanimously accepted. He requested Dr. Mark Svendsen to conduct the meeting. Subsequently, Dr. Svendsen carried further business of the meeting.

A. CONTINUING ITEMS**Item 1 : Tenure and review of membership of the working group****1.1 Tenure of the working group**

The WG reviewed and revised its existing mandate. The guiding principle in this was that the mandate be useful, build on what the WG has already accomplished, and be realistic. The new proposed mandate is "To recognize proven water saving success, and to identify and promote successful water conservation".

This mandate is expected to guide the work of the WG for a further 6 years.

1.2 Review of the membership

The USCID had proposed replacement of Mr. John Osterberg by Dr. Mark Svendsen. Dr. Svendsen was present and was accepted for the membership. Dr. Yuan Hua Li, nominee of CNCID (to replace Prof. Kaipeng Jiang) was present in the meeting and was accepted. As Mr. Shakibaeyv Ilan Isataevich, nominee of KAZCID was not present in the meeting, his acceptance was deferred for the next meeting.

Item 2 : Publication of the 'WatSave Scenario' document

The publication of the draft version of the book "*Innovative Technologies and Management for Water Saving in Agriculture*" has been deferred for the moment. President Lee wishes to prepare a brief summary of the volume as an input to WWF-5 preparation. Volunteers were solicited to assist in preparing the summary. None was forthcoming.

Members of the WG raised the idea of revisiting past award-winning innovations to assess changes that may have occurred in the intervening years. It was agreed that this would be a very useful way of assessing the sustainability

of the innovations and the WG will generate an illustrative set of questions to ask in such a review. Questions would be sent both to the awardees and to the proposing National Committee for responses. The two sets of questions will be refined and circulated to the WG by email and then forwarded to the central office for distribution to awardees and NCs.

Item 3 : WatSave awards

3.1 The 2007 Watsave awards

Out of three categories of WatSave Awards, this year only two awards will be made viz. Innovative Water Management, and Technology. The awards will be presented during the IEC meeting on 5 October 2007. The WatSave Awards 2007 were sponsored by the United States Committee on Irrigation and Drainage (USCID)

3.2 Sponsorship

The WG reviewed the options for supporting the Watsave awards generated at the last WG meeting. Several additional options were also suggested. One which seemed to the group to be attractive is to seek commercial sponsorship of the Technology award, allowing branding of the award if the sponsor wishes. Another idea was to place a Watsave contribution option on the conference registration form.

3.3 Review of Criteria and Evaluation Process for Watsave Awards

Dr. Mark Svendsen reviewed the current guidelines and criteria for Watsave proposals and a discussion ensued. The WG generated a list of items to include in the invitation for proposals for the awards. This list will be developed into a draft set of guidelines for award proposal submission and a related set of criteria for evaluating the proposals by him. These will be circulated to the WG members for comment. Following that, they will be sent to several past ICID presidents for vetting before being forwarded to the Central Office for implementation for the 2008 awards.

The WG also agreed to distinguish the Young Professional Award from the other two by not requiring that it produce demonstrable water savings, but simply that be a promising and innovative idea, which is field tested, and has potential for saving water. This will require that the proposal *pro forma* and the evaluation criteria be adjusted slightly for this award. Forms for this award will also be developed and circulated by Dr. Mark Svendsen.

Item 4 : Framework for cooperation and interaction among ICID member countries and work bodies

Due to absence of Dr. El- Atfy, Chairman, this item was not discussed.

Item 5 : Workshop on 'Water saving technologies in different regions'

The WG decided to devote a portion of their half-day WG session at the Lahore meeting to an informal workshop on water saving innovations. The WG will request an afternoon session to allow headroom for modest expansion.

Item 6 : Newsletter and webpage of the working group

The newsletter has not yet been developed and discussion was deferred to the Lahore meeting. All members were requested to contribute their ideas in bringing out the Newsletter.

Item 7 : Work plan of the group

Mr. Wahba presented the new workplan prepared by Chairman El-Atfy. The WG discussed and endorsed the proposed workplan. The addition of climate change-related topics was also discussed, with the conclusion that it was too difficult, at this time, to separate out water saving innovations that were directly related to climate change from others.

Item 8 : Any other business

Being none, the Chair adjourned the meeting at 5:30 PM.

MINUTES OF THE TWELFTH MEETING OF THE
**WORKING GROUP ON USE OF
 POOR QUALITY WATER FOR IRRIGATION (WG-PQW)**
 Sacramento, USA
 01 October 2007: 14.00-17.00 hours
Theme: On-Farm

Year of Establishment: 1995

Completion of the Mandate: 2009

Members Present: (1) Dr. R. Ragab, Chairman (Great Britain, 1997); (2) Dr. Heinrich Meiring Du Plessis (South Africa, 1998) represented by Mr. N. Nape; (3) Dr. K. Shiati (Iran, 1997); (4) Dr. Gao Zhanyi (China, 1998); (5) Dr. Samia El-Guindy (Egypt, 1999); (6) Mr. S. Seyama (Japan, 2001); (7) Mr. Martin Roche (USA, 2002); (8) Mr. Bernard Vincent (France, 2003)

Permanent Observer: Mr. Sasha Koo-Oshima (FAO representative)

Observers: (i) Dr. Magdy Salal El-Deen (Egypt); (ii) Mr. Evan Christen (Australia); (iii) Ms. Mary Jean Gabriel (South Africa); (iv) Mr. J.D. Oster (USA); (v) Mr. W.R. Johnston (USA).

Item 1 : Confirmation of the minutes of the 11th meeting of the Working Group

The minutes of the 11th meeting of the Working Group held at Kuala Lumpur in September 2006 were approved.

Item 2 : Review of tenure and membership of the Working Group

2.1 New mandate of the Working Group

The group proposed the new mandate of the WG as follows –

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.

2.2 Membership

Since the nominees viz. Dr. Jinzhong Yang (China), Mr. Bekbayev Ussen (Kazakhstan), Dr. P.S. Minhas (India, to replace Dr. N.K. Tyagi), and Mr. Maghmoon Muhammad Iqbal (Pakistan, in place of Mr. Ramzan Chaudhry) were neither present nor represented, the group decided to defer their acceptance till next meeting.

A. CONTINUING ITEMS

Item 3 : Database on water salinity/irrigation with highly saline water for salt tolerant halophytes and crops and use of wastewater related to agriculture

Dr. Huibers (The Netherlands) could not attend the meeting and has informed to the Chairman that he will present the latest outcome on database at next meeting scheduled to be held in Lahore in October 2008.

Item 4 : Cooperation with other Workbodies and International Organisations

4.1 Cooperation with ICID workbodies

The Chairman informed that a close Cooperation with the Working Group on Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS) and Working Group on Water Saving for Agriculture (WG-WATS) has been established. The chairman hopes that the cooperation will continue with the proposed new working group succeeding the IADWS.

4.2 Cooperation with International Organisations

Chairman informed the group that the close cooperation and relation with International Centre for Bio-saline Agriculture (ICBA) has been established and Prof. Faisal Taha will be the permanent observer of the Working Group. Prof Taha will be attending the group meetings from next year onwards.

4.3 Expert group meeting on municipal wastewater use for irrigation, November 2006, Yemen

Since none of the group members attended the expert group meeting on municipal wastewater use of irrigation held in November 2006 at Yemen, no report was available in the meeting

Item 5 : Work plan of the Group

The group has proposed the following new activities as a part of the new work plan (2007-2009):

1. Multiple use of poor quality water
2. Monitoring and management of agro-chemicals in agricultural water
3. Low cost desalination technologies for saline and brackish water
4. Treated waste water management

Item 6 : Presentations by members

The following presentations were made at the meeting –

- Use of brackish /saline water in I.R. of Iran – by Dr. K. Shiati (Iran)
- Use of brackish and saline water in Egypt - Dr. Samia El Guindy (Egypt)
- Environmental Impact of misusing pesticides - Dr. Magdy Salah El Deen (Egypt)

Item 7 : Webpage for the workbody

Chairman requested for more contribution to the group's webpage by members. The papers presented as per item 6 will be uploaded on the working group webpage.

Item 8 : Workshop on Desalination Technologies for Irrigation Purposes

Due to the receipt of inadequate number of papers (less than 5), (*besides the received papers were mainly related to desalination technology rather than the desalination for irrigation*), the workshop was cancelled. However it was decided that to keep the topic alive for a possible future workshop.

Item 9 : Any other business

Since there was no other item for discussion, the meeting was adjourned by the Chair.

MINUTES THE SECOND COMBINED MEETING OF THE
IPTRID ADVISORY COMMITTEE (AC-IPTRID)
AND
WORKING GROUP ON RESEARCH AND DEVELOPMENT (WG-R&D)
Sacramento, USA
02 October 2007 : 09.00-12.00 hours
Strategy Theme: Knowledge

AC-IPTRID

Year of Establishment: 1995

WG-R&D

Year of Establishment: 1994

(Year of Merger: 2006)

Members present : (1) Mr. Stephen Mills, Vice Chairman (Australia); (2) Dr. (Mrs.) Shaden Abdel-Gawad, Vice Chairperson (Egypt); (3) Dr. John A. Replogle (USA); (4) Mr. Ezzatollah Farhadi (Iran) also represented Mr. S.A. Assadollahi; (5) Dr. Mohamud Che Husain (Malaysia); (6) Dr. Yohei Sato (Japan); (7) Dr. A. Delacourt (France) represented by Dr. Bruno Molle; (8) Prof. J.G. Annandale (South Africa) represented by Dr. G.R. Backeberg; and (9) Er. M. Gopalakrishnan, Secretary General, ICID.

Members Honoraire : (i) President Hon. Mr. Aly M. Shady (Canada); (ii) President Hon. Prof. dr. Bart Schultz (The Netherlands); (iii) Vice President Hon. Dr. Mohamed H. Amer (Egypt).

Permanent Observers : (i) President Mr. Peter S. Lee (UK), Chairman, CG-IPTRID; (ii) Dr. Salah Darghouth, World Bank Representative; and (iii) Dr. Carlos Garces-Restrepo (Italy), Programme Manager, IPTRID.

Observers : (i) Dr. H. Plusquellec (USA); (ii) Dr. Dorota Haman (USA); (iii) Dr. Thomas Mitchell (USA); (iv) Dr. Sizwe Mkhize (South Africa); (v) Mr. Mohd Abdul Nassir bin Bidin (Malaysia); (vi) Mr. Heroshi Ikeura (Japan); (vii) Mr. Adama Sangare (UK); and (viii) Mr. N. Peichun (Chinese Taipei).

The 2nd combined meeting of the Working Groups was co-chaired by the Vice-Chairs Mr. Stephen Mills (Australia) and Dr. (Mrs.) Shaden Abdel-Gawad (Egypt) in absence of the Chairperson, Prof. (Mrs.) Linden Vincent (The Netherlands).

Item 1 : Confirmation of the minutes of the first combined meeting of AC-IPTRID and WG-R&D held at Kuala Lumpur, Malaysia on 12 September 2006

No comments or suggestions to the minutes of the 1st combined meeting held on 12 September 2006 were received. The minutes were confirmed in the 2nd meeting.

Item 2 : Finalization/recommendation for constitution of a new work body by merging AC-IPTRID and WG-R&D.

The combined Working Group will henceforth function under a new name with the newly selected officers. Details are given under the Agenda Items 4 and 5.

Item 3 : Review of the membership.

No change to the membership was made in the meeting. For more details in this regard, refer agenda item 3.2.

3.1 Information on interests submitted from existing members

The previous solicitations for information on new ideas and possible work plans for the merged Group from the members have not generated enough response. General discussions held in the meeting supported summary presentations on the issue, as a part of the next meeting scheduled at Lahore in 2008.

3.2 Discussion on additional membership

The members who were absent and not contributed for long periods are noted from the National Committees (NCs) of France, Italy and Hungary (from the former WG-R&D) and Mexico, Indonesia and Nigeria (from the former AC-IPTRID).

The 2nd combined meeting of the WG-R&D and AC-IPTRID viewed the fact of representation of double memberships namely from the NCs of Egypt, Iran and China due to the merger of the two Working Groups. It was also noted that the current members belonging to various world regions representing both extremes of common and distinctively different irrigation issues and are from :

Europe	:	Netherlands, Great Britain, Russia, Spain
North Africa and Middle East	:	Iran, Egypt
Asia and Pacific	:	India, China, Japan, Australia, Malaysia
Africa	:	South Africa
Americas	:	Canada, USA

It was suggested in the meeting that NCs should be encouraged to select one Working Group representative in the newly formed Working Group weighting their interest (*and expertise of the nominated person*) in due consideration to the mandated tasks of the New Group. In case of more than one expert of any NC desirous to join the meeting, the concerned NCs can send them as 'Observers'.

Central Office, ICID will take follow-up actions in consultation with the concerned NCs for finalizing their old/new membership(s) in the newly formed Group.

Item 4 : Name of the Working Group

The Working Group was of the view to combine the two Groups under the new title, "Technology and Research Exchange for National Development" (TREND). The Group (*even though liked the acronym*) had some reservations for the word "National." As such, the WG opted for the new name as Working Group on Technology and Research Uptake and Exchange (WG-TRUE) considering the majority votes received during the 1st combined meeting.

It was decided in the meeting that the acting Chair Mr. Stephen Mills will prepare a slightly modified mandate for the new Working Group and the Group will organize a workshop in Lahore in conjunction with its regular meeting and will request for an afternoon meeting-cum-workshop of four hours duration. A time slot should be requested accordingly to have adequate time for the WG-TRUE agenda as well as short presentations.

Item 5 : Election of Chairman, Vice Chairman and Secretary

New officers for the newly formed WG-TRUE were chosen as follows:

Chairperson	:	Prof. (Mrs.) Linden Vincent (The Netherlands)
Vice Chairman	:	Dr. (Mrs.) Shaden Abdel-Gawad (Egypt)
Secretary	:	Dr. John A. Replogle (USA)

Item 6 : Tenure of the Working Group

The tenure of the Working Group will be fixed based on the activities identified/proposed for the WG-TRUE during the time of the next meeting-cum-workshop scheduled in Lahore in 2008.

Item 7 : Activities of the new combined Working Group

The specific functions of the WG were discussed at length. Main points derived were:

- Gathering knowledge is not enough. We must make practical use of knowledge to alleviate the problems associated with world irrigation.
- New concerns may include the benefits and use of groundwater, keeping in mind the energy requirements and the current interest in defining activities in terms of their "Carbon Budget" implications.

- Document technology, particularly IPTRID needs to be kept informed of activities in irrigation research and practice, from inventions to management innovations.

The final “Strategy Theme” may warrant adjustment.

7.1 Documenting Technology Innovation and Research Processes (Activities with AC-IPTRID)

IPTRID usually prepares a report to the Working Group, but did not do so in this meeting.

IPTRID purposes to provide a two-way flow of information and discussion on research needs and technology innovations and develop a programme based on:

- Documentation of the research uptake process in at least two countries - Africa and Asia.
- Documentation of I&D technological innovations and adoptions in two countries - Asia and Africa.
- Joint IPTRID-ICID publication on value of technology and research uptake in developing countries.
- Joint policy briefs based on R&D results in selected countries.

7.2 Studies on R&D processes (From WG-R&D and beyond)

The Group noted that the Items carried forward from previous meetings are still appearing valid. They include:

Develop information from group studies on:

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, in particular of:
 - Understanding and transforming timeframes from research to innovation
 - Identification and working with stakeholders’ needs and interests, and complex problems
 - Leadership, structure and networking in research, especially linking national and local action and
 - Capacity building for research
5. How research models and data can be better used in capacity building, and system design and water management practice – how to move between theory and practice and
6. Finance of research and innovation, especially to reach certain stakeholders and problem contexts.

Chairperson Vincent sent the following three viable options for further deliberations and arriving consensus on new activities for the WG-TRUE :

1. Focus on the proposal received from Mr. Ezzatollah Farhadi (Iran), “How research would help improve management experience for developing operation of irrigation systems”.
 2. Take a specific topic from Item 7.1 and develop a publication.
 - Publication proposed in the meeting was on “Outreach communication and research uptake”.
 2. An umbrella topic from Item 7.2 for future work.
 - The Group suggested for the proposal on “Technological learning and innovation in irrigation and drainage”. This links to the recently published, “Least Developed Countries Report 2007 (UNCTAD) focused on, “Knowledge, technological learning and innovation for developing countries.” This seems relevant to the newly formed WG-TRUE.
-

Other discussions held were :

- Including a case study on some other country that would follow the `soon-to-be-published' report on Egypt. Whether this would be on a developing country or on a more advanced area was not resolved during deliberations.
- Possibility of conducting new country study to look at research methods, information handling and dissemination, and adoption by the field, just to know how the research results get into the field activities, etc.
- Conducting a workshop using the Egyptian study (expected before January 2008) to develop ideas for a best working model along the lines of the Egyptian study topic of research update in irrigation and drainage, in order to define a "best model".
 - Dr. Salah Darghouth (World Bank) suggested China as a study country.
 - South Africa mentioned that they have processes that could be of interest.
 - The Netherlands expressed that they have a study on how they reach to the world irrigation interests, etc.

Irrigation scheduling was suggested as a general topic area for a possible meeting presentation.

7.3 Commencement of a New Survey with National Committees

The idea of conducting another survey was not well received. Problems of participation are a major concern. The drafting of a valid survey that does not inadvertently include bias of the preparer is also a major problem. Thus the validity of surveys is usually in question. The group consensus was that the effort involved was probably too great for the benefit received.

Item 8 : Uploading of combined web site

The combined web site has some more work to complete before it goes for uploading. No date was suggested.

Item 9 : Reports and books received

No report.

Item 10 : Any other business

A concept note on the proposed Asian Drainage Center for Semi and Arid Region addressed to Dr. Carlos Garces-Restrepo (Italy), Programme Manager, IPTRID as received from Vice President Karim Shiati, Chairman; ASRWG is attached (**Annex A**) for consideration of the new Group (WG-TRUE).

Item 11 : Presentations

No presentations were made during the meeting.

The meeting adjourned with vote of thanks to the Co-Chairs.

CONCEPT NOTE
ON
Proposed – Asian Drainage Center for Semi and Arid Region
by
Vice President Dr. Karim Shiati
Chairman of Asian Regional Working Group

The Asian Drainage Program for the Humid Tropics center (ADPHT) has been established in Kuala Lumpur, Malaysia since 2002 and so far has been formed NFP (National Focal Point) in the participated countries which include (Malaysia, India, Vietnam, Indonesia, China, Laos, Sri Lanka) under Director General of Vice President Azhari bin Ghazalli. Just recently the Drainage Center for African region has been established in Cairo, EGYPT.

Due to different environment of the semi and arid region in Asian countries (Middle East and Central Asian countries) with the tropic countries at the 13th meeting of the Asian Regional Working Group of ICID in Kuala Lumpur 2006, the Iranian representative proposed an ADC for semi–arid and arid region. In this respect Australia and Netherlands have given their support to establishment of this center and get involved in its activities and organized programme in future.

The Iranian representative responded that Iran would be a suitable location to establish such center. IPTRID in its 13th meeting has agreed to fully support this programme and further discussion were carried out between Mr. Carlos Garces and Vice President Shiati in Kuala Lumpur and Tehran for developing further strategies. It was decided a concept note prepare by IRNCID and sent to IPTRID.

IPTRID is also working for exploring the possibilities of jointly submitting a more formal proposal to potential donor to finance the planned ADC for semi-arid and arid regions.

OBJECTIVE

Many countries in Central and Middle East Asian countries have acute drainage needs; there are also many similarities in the scale, nature and importance of these problems. Salinity (primary and secondary) is a primary problem which is merged with drainage. The main objective of the programme is to strengthen drainage development and management capacity in the member countries. While networking, training, applied research and collaborative projects also are some primary objectives.

THE CENTER

The programme activities will be managed by a central secretariat located in the region. This center would only have a small core staff (a director, a few professionals and some support staff) . It would organize, co-ordinate and facilitate the programme activities but for implementation of the activities it would rely heavily on regular and ad-hoc professional inputs by the participating countries and by various individuals and partner organizations from the region.

The functioning of the center is expected to evolve over time. The center may initiate some of the proposed programme activities itself and later, when an activity has matured, it may be "franchised" to an interested partner organization. Twining arrangements between the center and reputable international organization/institutions from around the world (IPTRID, FAO, ADB, ICID, ADPHT, and African Drainage Center) is a prime function of the center.

PARTICIPATION

The invited counties covers the middle east and Central Asia (Iran, Turkey, Iraq, Syria, Lebanon, Jordan, Armenia, Azerbaijan, Georgia, Turkmenistan, Uzbekistan, Kazakhstan, Kyrgyzstan, Tajikistan) SE Asian countries (Afghanistan, India, China,) Australia and Persian Gulf countries (Saudi Arabia, Kuwait, Qatar, Oman, Yemen, and UAE). The affected area is estimated to be in the order of million ha and the benefiting population may well reach to a billion.

GOVERNANCE

A common governance model is where the highest decision making authority is vested in a "board" composed of representative of the participated countries and other recognized stakeholders. It is also anticipated that the participation in the programme would in some way or other be formalized through the creation of a membership status that would give participating countries certain rights and also certain commitments. The rights would expectedly include the right of the "membership" to appoint the board while the commitments would include the payment of an annual membership fee.

The modes of governance will be decided upon establishment the constituting the center but at the beginning the host country governed the center.

HOST COUNTRY

It is envisioned that one of the participating countries of the region be selected as the official location of the programme and region be selected as the official location of the programme and home of the center. Preferably, the host country should be fairly centrally located in the region, offer suitable office, hosted and communication facilities.

A strong chooses may be Iran as the host country of the proposed ADC for semi and arid. Iran meets all the above selection criteria and it has indicated its willingness to accept the host role under the leadership of the Ministry of Agricultural Jihad (MOAJ) and its affiliated center "Agricultural Engineering Research Institute (AERI)". This center and its office, lecture, conference, hostel and recreational facilities would be available to house the center.

The center also gets benefit of the active Iranian National Committee on Irrigation and Drainage (IRNCID). The estimated operation date of the center is in early 2009.

PRELIMINARY FINANCIAL PLAN

Some donor support would be available to establish the programme and to provide the center support during its initial years. It is expected the center will be self – financing through three sources on income: annual fee payments by the member countries, special funding by donors or other sponsors and charges for the provided services.

All office costs (office space, office equipments, operating cost, audio and video, projector, overhead) provided by host country at no cost.

All preparatory work covered by IPTRID, ICID, MOJA, IRNCID at no cost.

INITIAL COSTS:

1. Preparation, pre-launch workshop and meeting	US\$ 60 000
2. Start –up	
One year start – up management, vehicles, purchase of Hardware, training of personnel, network, hardware and software, etc.	US \$ 150 000
Total	US \$ 210 000

MINUTES FOR THE TWENTY-SECOND MEETING CUM WORKSHOP OF THE
**WORKING GROUP ON ENVIRONMENTAL IMPACTS OF IRRIGATION,
DRAINAGE AND FLOOD CONTROL PROJECTS (WG-ENV)**
Sacramento, USA
2 October 2007 : 09.00-17.00 hours
Strategy Theme : Basin

Year of Establishment: 1986

Members Present : (1) Dr. Hu Heping, Chairman (China); (2) Prof. Yih-Chi Tan, Vice Chairman (Chinese Taipei); (3) Dr. Ge van den Eertwegh, Secretary (The Netherlands); (4) Dr. Smiljan Juvan (Slovenia) represented by Prof. F. Steinman; (5) Dr. Shaden Abdel Gawad (Egypt) represented by Dr. Mohamed Wahba; (6) Mr. Osmo Antero Purhonen (Finland); (7) Mr. Stefano Salbitani (Italy); (8) Dr. Choi, Joong-Dae (Korea); (9) Dr. Jose A. Ortiz Fdz.-Urrutia, Vice President Hon., ICID (Spain); (10) Prof. Dr. N. Hachō (Japan); and (11) Er. M. Gopalakrishnan, Secretary General, ICID.

Permanent Observers : Mr. Herve Levite (IPTRID/FAO representative, France).

Member Honoraire : Dr. H. Tardieu, Vice President Hon., ICID (France) and (ii) Prof. Dr. Riota Nakamura, Vice President Hon., ICID (Japan).

Observers : (i) Mr. William R. Johnston (USA); (ii) Mr. Aldo Capponi (Italy); (iii) Dr. Ing. Michele Angelo Cuccaro (Italy); (iv) Mr. Charles L. Abernethy (UK); (v) Mr. P.S. Kelkar (India); (vi) Mr. J. Oster (USA); (vii) Mr. Laurie C. Tollefson (Canada); (viii) Mr. Eric Viala (USA); (ix) Mr. Marc Andreini (Italy); and (x) Mr. Kadjonga Tchouadang (Chad).

Item 1 : Confirmation of the minutes of 21st meeting of the WG-ENV held on 30 September 2006 in Kuala Lumpur, Malaysia

No further comments on the minutes of the 21st meeting held in Kuala Lumpur were received. Minutes were accepted and confirmed as it was, during the time of the 22nd meeting.

Item 2 : Tenure of the Working Group

Chairman introduced the item. It was decided in the meeting that the WG-ENV would close in 2008. (See *Agenda Item 8 for further details*).

Item 3 : To review the membership of the WG-ENV

As per the By-law 3.1.7, members of Work Bodies not contributing by their attendance/correspondence for two consecutive years shall be replaced in consultation with the respective National Committees (NCs). The Chairman suggested not to apply this rule at this stage because of the proposed closure of the WG-ENV in 2008. WG-ENV members agreed to the suggestion.

Nominations of Mr. Ahmed Aziz (Iraq) and Mr. C.K. Agrawal (India) were deferred as both of them were not present in the meeting.

Mr. Alfred Heuperman (Australia) sent a letter showing his willingness in withdrawing his membership from the WG-ENV. The Chairman accepted his desire and thanked him for his contributions for the WG-ENV activities.

A. CONTINUING ITEMS

Item 4 : Climate Change

4.1 Climate Change Circulation Model

WG-ENV members noted the establishment of the new Working Group on Global Climate Change and Irrigation (WG-CLIMATE). The Chairman reported in the meeting that he attended the WG-CLIMATE meeting and requested the Chairman, WG-CLIMATE to consider the overlapping activities related to Global Climate Changes, which are being addressed presently within the WG-ENV. The WG-CLIMATE agreed to consider the issues.

4.2 Methane Flux from irrigated wetland rice fields: The effect of water management and rice variety

No further comments.

4.3 Impact of climate change on water management activities

See item 4.1.

Item 5 : Impacts of water projects on human health in rural areas

In 2006, Mr. Mohammed Kazem Siahhi (Iran) handed over a questionnaire on human health aspects of irrigation and drainage activities to the Chair. During the meeting the FAO representative Mr. Koo-Oshima made a suggestion to look at the human health aspects because of malaria and other water related diseases. The Chairman agreed to the view point and decided to incorporate the health aspect in the questionnaire and circulate for views and Mr. Siahhi was asked to submit the electronic version of the questionnaire.

As Mr. Siahhi was absent in the meeting, it was decided that the Chairman will take up the matter with Mr. Siahhi and accomplish the pending task.

Item 6 : Progress review on implementation of ICID strategy on ICID vision

6.1 The environmental cost and benefits of irrigation scheme involving large dams and solutions for mitigating negative impacts

As decided, several presentations were projected to cover various issues during the workshop (*for more details, refer under "Workshop by WG-ENV"*).

6.2 The improvement of agricultural return flow and requirement of environmental flow

In the 21st meeting, Mr. Stephen Mills (Australia) agreed to present a paper based on the findings derived from an Australian project.

As he was absent in the meeting, the matter was not considered.

Item 7 : Establishment of Workbody website and publication of relevant documents

Dr. Hu Heping, Chairperson of WG-ENV informed that he had finished the construction work of the website (www.wg-env.icidonline.org) and indicated that the content of the website will soon be made available.

Suggestions were there to add all presentations made in the workshop 2007 of WG-ENV on the website. Accordingly, Secretary agreed to gather all presentation materials from the concerned and pass on to the Chairman for posting them on the WG-ENV website.

B. NEW ITEMS

Item 8 : To draw up a time targeted plan for the WG-ENV activities

Upon receiving suggestions from President Peter S. Lee, the Chairman in cooperation with Vice Chairman, Secretary and Members of WG-ENV has set up a time targeted work plan. WG-ENV during the meeting also formulated a revised mandate for the Group. The Secretary presented the main points considered under the new plan :

- WG-ENV revised the existing mandate and will be put to PCTA by the Chairman.
- Papers are to be written targeting for preparing a draft position paper of ICID in 2008.
- Discuss the papers/draft position paper during the 23rd meeting in Lahore in 2008 and possible contribution to 5 WWF in March 2009 (make use of 1993 checklist/papers of WG-ENV/World Bank guidelines and other related documents).
- Setting up of a new WG in 2008 meeting for the next 6 years period (2009-2015).
- Presentation of the proposal to the 59th IEC.
- Induction of new WG members approaching through ICID NCs.
- Assigning mandated asks to new member(s) based on their expertise
- The new mandate proposed is :

“To provide guidance to system and project designers, managers, and operators on the environmental impact analysis of present and future irrigation, drainage, and flood control activities and projects. The environmental aspects concern the effects on physical, chemical, ecological, as well as economy, climate, and human health. The environmental assessment is to be performed by good governance and is to maintain a sustainable environment and minimizes adverse effects of present and future irrigation, drainage, and flood control activities and projects.”

- The title and contents of the ICID draft position paper suggested are :

“Environmental Assessment of Drainage, Irrigation and Flood Control Management Projects”

Introduction
Guidelines and criteria
Technical aspects
Legislation and enforcement
Good governance
Implementation aspects
Lessons learned
Conclusions
ICID's position

The Chairman mentioned that the new name for the Group could be “Working Group on Bio Systems and Environment” and the group can enlarge its activities in the field of impact analysis while focusing on Water Management for Sustainable Agriculture. It is decided that the WG-ENV will finalize its new name, mandate and related activities by 2008 meeting in Lahore, Pakistan. The Group will also suggest on how to deal with knowledge and information transfer, external communication, and liaison/linkage with other ICID work bodies.

Item 9 : Other business

Prof. Dr. N. Hatcho (Japan) mentioned that positive environmental impacts also need to be taken into account. Otherwise, the perception will prevail that the environmental impacts are always have only negative effects.

As there were no matter for consideration, the meeting adjourned at 10.00 a.m. with vote of thanks to the Chair and the Group rejoined for the workshop at 10.30 a.m.

C. WORKSHOP BY WG-ENV

The workshop started at 10.30 a.m.

As per the scheduled program, the WG-ENV organized the workshop with the main objective of considering the pending issues related to environmental impacts.

The following eight papers were presented:

- An introduction to Three Gorges Project and It's Environmental Aspects by Dr. Hu Heping (China)
- Brief on environmental impact of large dams by Dr. Illahi B. Shaikh (Pakistan)
- A brief on an 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.
- The Impacts of Drainage Projects on the Environment in Egypt, by Ghada G. El-Refaie (Egypt)
- Non-Point Source Pollution Loads from Selected Agricultural Land Uses in Korea, by J. Choi (South Korea)
- Multi-functionalities of paddy fields and multiple uses of agricultural water, by N. Hacho (Japan)
- Pontine land drainage system, by Stefano Salbatini (Italy)
- SEA/EIA in The Netherlands: an overview, by Gé van den Eertwegh (The Netherlands)

In the concluding session, the Chairman expressed his sincere thanks to one and all for their contributions and making the workshop to a successful one. He mentioned that the views generated through the presentations would form the base line while preparing the draft version of the position paper of WG-ENV. The Chairman also suggested to organize a 2nd meeting-cum-workshop (full day) during the 59th IEC meeting in 2008 so as to present papers/draft position paper and deliberate them closely so as to have a collective decision. The generated output will be used for updating the ICID position paper and seeing the possible contributions from WG-ENV to 5 WWF in March 2009.

The suggestions/views expressed were well received by the participants and the Workshop-2007 concluded at 4.45 p.m. with vote of thanks to the Chair.

MINUTES OF THE FOURTEENTH MEETING OF THE
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)
Sacramento, USA
02 October 2007: 14.00-17.00 hours

Year of Establishment: 1994

Members Present: (1) Prof. Bart Schultz, , Chairman (The Netherlands); (2) Ir. Paul J.M. van Hofwegen, Editor (The Netherlands); (3) Prof. dr. Riota Nakamura (Japan); (4) Dr. Bryan P. Thoreson (USA), (5) Ms. Isabelle M. Proulx (Canada); (7) Dr. Gerhard Backeberg represented Prof. dr. James Murray de Jager (South Africa); (8) Dr. Graziano Ghinassi represented by Prof. D.D. Wrachien (Italy); (9) Ir. Keizrul bin Abdullah (Malaysia); (10) Dr. S. Nairizi (Iran); (11) Prof. Kwun, Soon-Kuk (Korea); (12) Prof. dr. Joachim Quast (Germany).

Observers: (1) Prof. Dr. Nick van de Giesen (Netherlands); (ii) Mr. Henri Taridieu (France).

At the beginning of the meeting the chairman informed the members that recently Prof. Janusz Rydzewsky has passed away. Prof. Rydzewsky was editor of the Journal from 1995 – 2001. He brought the Journal upto the level that it became listed in the Science Citation Index. He was also actively involved in the preparations with respect to the agreement with John Wiley & Sons on the publication through an official publisher. We are very thankful to him for his excellent contributions to the Journal.

Item 1 : Confirmation of the minutes of 13th meeting of the Editorial Board

The minutes of the 13th meeting of the Editorial Board held at Kuala Lumpur (2006), Malaysia was confirmed.

Item 2 : Review of membership of the Editorial Board

2.1 New nominations

The Chinese, The Netherlands and British National Committees of ICID have nominated Dr. Jinzhong Yang (China), Prof. dr. Nick van de Giesen (The Netherlands) and Dr. Bruce Lankford (U.K.) for the membership of EB-JOUR, respectively. The EB recommends that these nominations be accepted.

Central Office requested Prof. E.U. Nwa (Nigeria), Dr. A. Kandiah (USA), Ing. Manuel Contijoch Escontria (Mexico) and Prof. Latif (Pakistan) to advice, if they were interested in continuing the membership of the EB-JOUR. In response, Dr. A. Kandiah's and Prof. E.U. Nwa (Nigeria) have informed to withdraw their membership while Ing. Escontria and Prof. Latif have informed that they would like to continue their membership in the EB-JOUR.

During discussions in the Kuala Lumpur (2006) meeting, Dr. Hector Malano (Australia) agreed in principle to succeed as the new Editor of the Journal in 2008 after his retirement from his present engagement (*in the University of Melbourne*). Prof. Nick van de Giesen has agreed to become the Joint Editor in 2008. It has been agreed that they will gradually take over the editorial work during 2008 and that they become fully effective during the the meeting in Lahore (2008). Until that moment, Ir. Paul van Hofwegen and the Chairman will jointly take care of the editorial work. The EB recommends that these proposals be accepted.

2.2 Term of members

The ICID by-law 3.3 (b) provides that the term of workbody members, in principle, should be restricted to six years. In earlier meetings, it has been agreed that in light of the special position of the EB, this will be treated in a flexible way. The members of EB-JOUR may decide whether they want to continue their membership. Prof. Bart Schultz plans to continue his chairmanship until the council meeting in Nigeria (2009) for reasons of continuity in the development of the Journal.

Item 3 : Reports (from Editor, Chairman etc.)

The reports of 2006 and for the period January – July 2007 were presented and discussed during the meeting.

In general it may be stated that the Journal is developing very well and that a large number of papers are being received. The science citation index has gone up to 0.598. Already 24 papers are ready for publication in 2008.

3.1 Defining 'Irrigation Efficiency'

Dr. Chris Perry (UK) had prepared (2006) a paper on '*Efficient irrigation; inefficient communication; flawed recommendations*', which was widely circulated among the members of the Editorial Board; and Chairman and members of various WGs.

The paper has since been published in Issue 56.4 of Irrigation and Drainage.

3.2 Special Issues

A Special Issue on '*Irrigation and Poverty Alleviation: Pro-poor Intervention Strategies in Irrigated Agriculture*' has been published (*Volume 56, Number 2-3, April-July 2007*). The guest editor was Dr. Intizar Hussain, Executive Director, INPIM, Islamabad, Pakistan. The issue contained 18 papers. It was a joint activity of IWMI, IPTRID and ICID.

On the occasion of the 25th anniversary of the ICID Working Group on Drainage, a sponsored special issue on '*Drainage an essential element of integrated water management*' will be published in December 2007. It will have 20 papers. Most of the papers will be shown under the early view section of Wiley, shortly after the meeting. A dummy of this special Issue was circulated in the meeting. The guest editors were Dr. Willem Vlotman (Australia) and Prof. Chandra Madramootoo (Canada).

Two special issues under preparation are on the themes listed below:

- Capacity Building for Agricultural Water Management (2008) in cooperation with the ICID Working group on Capacity Building;
- Water, Food and Agriculture (2009) on the occasion of the 5th World Water Forum;

In addition, several papers are under preparation on Tools for Participatory Decision-making in Water and Land Management (2008).

The Working Group on Climate is considering a Special Issue. While there would only be room for a special issue in the regular series by 2010, the alternative may be to sponsor the Special Issue. During the meeting Ms. Isabelle Proulx (Canada) informed that she was willing to explore the possibility of supporting a sponsored Special Issue on the Impacts of Climate Change on Irrigation and Drainage. She will contact the chairman of the WG – Climate on the above subject.

3.3 Two ICID pages per issue (to be supplied by Secretary General)

The ICID central office has been regularly and timely providing relevant text of interest in these two pages.

3.4 Book Reviews

EB is still looking for a volunteer to take care of the book reviews.

3.5 French resumsés

Dr. Bernard Préfol (France) has indicated that he would like to resign from the task of checking the French resumes. The meeting expressed its great appreciation for the skilled and devoted work that he has done. Mr. Henri Tardieu (France) has agreed to continue with the work of Dr. Bernard to provide the French Resumés of all the English abstracts for the Journal on a voluntary basis.

3.6 Screening of Titles and English Abstracts

The Associate Editors and M/s. Wiley have been asked to carefully check the Titles and Abstracts. The chairman informed the EB that this aspect will be given attention during the review process. Papers are now being returned to the authors when the English language is not up to the standard.

3.7 Discussion space at the website

The Chairman informed the EB that discussion space at the website still has to be arranged.

3.8 Recognition to the reviewers

The reviewers are now being acknowledged on a separate page in the first issue of the following year. For 2007 this will be done in the first issue of 2008. This seems to be a good practice.

3.9 Best Paper Award 2007

The award is a citation plaque along with a cash prize of either £ 250, or £ 400 – in the form of Gift Books (Wiley Publications), and the awardee will have an option to choose. The best paper award for 2007 will be presented to the winner during the IEC meeting.

(The winner has since been announced in the IEC meeting at Sacramento, USA. The award went to Dr. G. R. Backberg from South Africa. His paper titled '*Reform of User Charges, Market Pricing and Management of Water: Problem or Opportunity for Irrigated Agriculture*' was published in Issue 55.1 of our journal.)

Item 4 : Specific issues with respect to the publisher M/s John Wiley & Sons Ltd., United Kingdom

4.1 Web based submission of papers

Since June 2006 the Manuscript Central System (*Web based submission*) is operational. This system enables uploading of new and revised papers on the web site and strongly facilitates the review process.

The experiences with the system are very good, although some authors encounter problems when they access the system for the first time. In any of such cases, the editor is always available for advice.

4.2 Special individual ICID member subscriptions for 2008

The Special individual ICID member subscription prices (2008) are likely to be subject to approval of MB/IEC.

- US\$ 33 for online only access; and US\$ 39 for online access with print.

The number of issues will remain 5 of about 128 pages each.

4.3 Continuation or otherwise of the Agreement with M/s. Wiley after expiry of the present term in 2008

The present Agreement with M/s. Wiley expires in 2008. In the agreement there is a provision that before the end of 2007 it has to be clear whether we will enter in a third term of the Agreement or not.

With respect to this, it has been agreed in Kuala Lumpur that M/s Wiley will be invited to prepare a proposal for continuation. If agreement on this basis can be reached, we will enter into a 3rd Agreement. If not, proposals of interested publishers will have to be invited and evaluated.

In order to enable a timely decision, the chairman has invited M/s Wiley to prepare a draft proposal, in principle on the same basis as the 2nd Agreement. M/s Wiley has indicated its interest to continue with publishing our Journal. A draft proposal has been received by mid July for consideration by the Management Board and will be subject to discussion and if possible, approval in the concerned meetings in Sacramento. Some main elements of the proposal are:

- the copyright, the name and ownership of IRD will remain the exclusive property of the ICID;
-

- a renewal of contract for calendar year 2009 and a publishing scenario for a five-year period (2009-2013);
- Wiley will provide the ICID membership with the following:
 - a minimum of 800 subscriptions to IRD of which at least 200 are online only. In cases where individual members do not have e-mail access, printed copies will be available at the combined print and online price. ICID will provide Wiley with the e-mail addresses of all members requiring online access. Each member will be given an individual user name and a password for online access;
 - the proposed special individual ICID member prices, as well as the other relevant information on issues and prices are based on 5 issues per year and on 6 issues per year;
 - National committees will be offered the option to purchase additional individual membership subscriptions at the same rate;
- Each year the member subscription rates for IRD will be determined by agreement between the ICID and the Wiley;
- Wiley will sponsor the annual Award for the best paper with £250 in cash, or £ 400 in Wiley publications;
- Wiley's global sales penetration and marketing expertise will ensure an increasing and stable return in subscription revenues for IRD.

For several reasons the EB strongly supported the continuation of publishing of the Journal by Wiley. These are especially:

- the good name of the publisher, who is ranked as a class 'A' publisher and the very good cooperation of the staff during the preparation of the Journal;
- the achieved level of the science citation;
- the very good experiences with the Manuscript Central System;
- the improvement in quality of the Journal over the past years.

The EB therefore recommended that the cooperation with Wiley be continued.

Item 5 : Distribution of the Journal among the ICID membership

Efforts were made by Central Office to prepare the overviews on the dissemination of the Journal in 2007. Five categories were distinguishable:

- 10 free copies to each National Committee: As per the choice of the National Committees, these copies can be either online-only or online+print. For online access each individual receives a password from M/s. Wiley. Printed copies are mailed to the National Committee secretariats for further distribution; within their fold.
- Free online access for all Office Bearers and Workbody Members;
- Copies for the members of the Editorial Board: Each member identifies whether he / she would like to receive the Journal online or online + print. For online access each member receives a password from M/s. Wiley. The printed copies are directly mailed to those members who have opted for a printed copy;
- National Committees have been requested to nominate four young professionals for a free online (only) subscription;
- Several National Committees order additional copies for the special individual ICID member subscription prices. These copies can be either online (only), or online+print, as per the choice of the NC.

The Central Office compilation (2007) covering all above five categories show that so far there are 242 online (only) subscriptions and 594 print + online. The reasons of this relatively low dissemination are that the membership of ICID work bodies has been reduced over the past years, that not all the member countries are receiving their 10 free copies, and that insufficient names of young professionals have been received.

Item 6 : Review the Duties of the Editorial Board

It was proposed to make a more clear distinction between the tasks of the Editor and Associate Editor (s) and the tasks of the other members of the EB.

This item still has to be taken up.

Item 7 : Activity Plan

Publish a paper on '*Efficient irrigation; inefficient communication; flawed recommendations*' by Dr. Chris Perry (UK) in the Journal. The paper has since been published in Issue 56.4.

Two special issues, one each on '*Capacity Building for Agricultural Water Management*' and '*Tools for Participatory Decision-making in Water and Land Management*' are under preparation.

Two ICID pages per issue will continue with inputs from Secretary General.

From now on, the French Resumés will be provided by Mr. Henri Tardieu (France).

Actual use of discussion space on the web site needs to be worked out.

Item 8 : Any other business

Some comments received on Journal may be of interested to note.

- Dr. Yih-Chi Tan (Chinese Taipei) observed (25 October 2006) that the selection/reviewing process of this Journal is too slow and the process needs to be streamlined to expedite the responses to authors.
- The meeting agrees with the comment as such. However, it has to be clarified that first priority is to find the best reviewers on the topic of the concerned paper. This is not always easy, which may indeed result in delays;
- Alexander Muller (FAO-AGL) observed (6 October 2006) the following on our Journal:

The value of the papers in Journal on Irrigation and Drainage to FAO is questionable at times because it is not well quality controlled. I & D issues are better when remain thematic rather than dealing with too wide topics.

As far as the comment on the quality is concerned, we can imagine that this is valid for some papers. However, the (associate) editors try to prevent such cases as much as possible. The comment that the Journal is dealing with too wide topics is not shared by the EB. It is felt that in the sector there is a broad range of topics at stake and that these would have to be covered.

**MINUTES OF THE TENTH MEETING OF THE
WORKING GROUP ON SOCIO-ECONOMIC IMPACTS AND POLICY ISSUES (WG-SOCIO)
Sacramento, USA
02 October 2007: 14.00-17.00 hours
Theme: Systems**

Year of Establishment: 1998

Completion of the Mandate: 2007

Members Present: (1) Dr. S.A. Assadollahi (Iran, 2000) represented by Ez-Farhadi; (2) Mr. S.V. Sodal (India, 2003) represented by Mr. Eknath Patil; (3) Prof. Yohei Sato (Japan, 2004); (4) Mr. Sezar Ercan (Turkey, 2006); and (5) Secretary General, ICID.

Member Honoraire: Mr. Peter S. Lee, President, ICID (UK)

Observers: (i) Dr. W.F. Vlotman (Australia); (ii) Mr. Ahmad Pourzand (Iran); (iii) Mr. Ieko Kakuta (Japan); (iv) Ms. MJ Gabriel (South Africa); (v) Mr. Hiroshi Ikevra (Japan); (vi) Mr. Takanovi Nagano (Japan); (vii) Mr. Yongsig Lee (Korea).

Procedure adopted for the conduct of the meeting

Since Chairman, Vice Chairman, and Secretary of the group were not present, Secretary General proposed that Dr. W.F. Votman (Theme Leader Systems, which covers WG-SOCIO) to chair the meeting and conduct it. This was unanimously accepted. Mr. Sezar Ercan (Turkey) volunteered to take notes of the meeting.

Item 1 : Confirmation of the minutes of the 9th meeting of the Working Group held at Kuala Lumpur

Minutes of the 9th meeting of the working group held at Kuala Lumpur in September 2006 were approved.

Item 2 : Tenure and membership of the Working Group

2.1 Tenure of the working group

It was announced that this would be the last meeting of the WG and it will be closed at the end of the meeting.

It was proposed to transfer certain activities of the group to the newly formed Task Force on 'Impact of Irrigation and Drainage on Livelihood and Poverty Alleviation' (TF-POVERTY). It was hoped that the new TF will consider poverty alleviation from a practical perspective. This will be communicated to Dr. Alan Vidal and Dr. Anisa Divine, conveners of the TF. A workshop on the topic is scheduled after the PCTA meeting on October 4, during which further action on the establishment of the new TF will be discussed.

2.2 Membership

As the WG will be closed at the end of this meeting, it was suggested that those present and interested in joining the new TF should contact their respective National Committees and may propose membership for the new TF.

A. CONTINUING ITEMS

Item 3 : Guidelines on cost-benefit analysis of irrigation and drainage projects – a worksheet to calculate full cost of irrigation services

It was suggested that the new WG-MIS might be interested in this information and Mrs. Divine/Dr. Rieu will be asked to forward relevant information to the Chairman, WG-MIS and WG-DRG with a copy to Dr. Vlotman, Theme Leader Systems.

Item 4 : Economic evaluation of the social and environmental impacts of large irrigation and drainage projects

As regards the checklist on environmental impacts, Dr. Vlotman recalled the communication received from IRNCID. In this context, Mr. E Farhadi will contact Dr. S.A. Assadollahi to obtain a copy of the checklist and inform about the status of this activity. The Theme leader Systems will then decide on how to proceed in consultation with Dr, Assadollahi and ICID Central Office.

Item 5 : Progress in preparation/ finalization of questionnaires

5.1 Questionnaire on ‘Water Valuation in Agriculture’

Ms. Mary Jean Gabriel of South Africa told that she was aware of the Questionnaire. She had compiled the information and has sent to Dr. Perret. However, the further status of the document was not known. Ms Gabriel will inquire with Dr. Perret and inform Dr. Vlotman. It was suggested that this work will be of interest to new Task Force on Financing Water for Agriculture (TF-FIN) and information may be forwarded to its chair.

5.2 Questionnaire on ‘Analysis of the Role of Women in Irrigation’

No information was available on this topic and hence it was not discussed.

Item 6 : Workshop on ‘Socio-economic Impacts of Institutional Options for Sustainable Water Management’, at Sacramento

Case studies were submitted by three national committees, but these were not sufficient to hold a special workshop. Dr. (Ms.) Anisa Divine and Ms. Felicity Chancellor will be requested to complete the work under this activity.

Item 7 : Publications of the working group

No information was available concerning publications. ICID may be asked to check with various members and post the possible available information on the webpage of the WG. As the WG will discontinue after this meeting, ICID may look into storing the information appropriately in its own database(s), e.g. the TDS database.

B. NEW ITEM

Item 8 : To study the implication of pricing of farm water subsidies, WTO and other institutional issues that have potential impact on irrigation farmers

President Peter Lee alerted the Group to the work done by IPTRID and a publication on the effects of WTO on irrigation and drainage, or similar, and the continued work by Sarah Fernandez for her Ph.D study.

Item 9 : Any other business

Attendees were thanked for their presence and encouraged attending the Workshop on Poverty Alleviation to be held on 4 October. Dr. Vlotman was thanked for chairing and conducting the meeting.

MINUTES OF THE TWENTYFIRST MEETING OF THE
**WORKING GROUP ON SUSTAINABLE USE OF
 NATURAL RESOURCES FOR CROP PRODUCTION (WG-CROP)**
 Sacramento, USA
 02 October 2007 : 14.00-17.00 hours
Strategy Theme: On-Farm

Year of Establishment: 1986

Completion of the Mandate: 1992

Revised 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.

Revised name: Working Group on Water and Crops (WG-W & C)

Members present : (1) Dr. Ragab Ragab, Chairman (Great Britain); (2) Prof. F. Steinman represented Dr. B.I. Maticic (Slovenia); (3) Prof. R.G. Allen (USA); (4) Mr. L.C. Tollefson (Canada); (5) Dr. Y. Nakano (Japan); (6) Mr. Tai Cheol Kim (Korea); (7) Dr. Andrew Sanewe (South Africa); (8) Mr.B. Molle represented Dr. Florent Maraux (France) and (9) Mr. M. Gopalakrishnan, Secretary General, ICID.

Member Hon.: Mr. Peter S. Lee, President, ICID.

Permanent Observers : Dr. Pasquali Studito, FAO.

Working Group website: <<http://www.wg-crop.icidonline.org>>.

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

Item 1 : Confirmation of the minutes of the 20th meeting of the Working Group

The minutes of the 20th meeting of the Working Group at Kuala Lumpur in 2006 were approved.

Item 2 : Review of the membership of the Working Group

New members that were proposed from India (Dr. Ashwani Kumar), Pakistan (Dr. M. Rafiq) and Iran (Dr Seyyed Ahmad Heydarian) were (once again) not present and hence their membership consideration was deferred to next meeting.

Item 3 : Cultivation Practices and Better Irrigation and Fertilizer Management for Different Crops

Dr. Graziano Ghinassi (Italy) submitted (2006) a report entitled 'Guidelines for Food Production under Water Limiting Conditions' within the framework of collaboration between WG-CROP and WG-IADWS, which has been uploaded on the WG website.

Item 4 : Interaction with ISO on Crops, Soils and Water Use related Terminology

The WG is actively collaborating with ISO. Dr Nakano (Japan) and Dr Kim (Korea) reported orally their interactions with ISO. They handed over their written reports to Chairman.

Item 5 : Review of progress on implementation of ICID Strategy on Vision

Dr. Nakano presented a briefing and a written report on the 'GM crops' in Japan. Dr. Andrew Sanewe provided an update on GM crops in African countries.

These two reports generated much interest and discussion within the WG.

Item 6 : CROP Newsletter

This is an on-going activity. Contributions may be sent directly to Dr. Andre Mermoud, Secretary of the WG.

Item 7 : CROP website of WG

The CROP website (<<http://www.wg-crop.icidonline.org>) has been recently updated with new documents.

Item 8 : Co-operation with International Network for Water and Ecosystem in Paddy Fields (INWEPP)

Dr. Nakano (Japan) attended INWEPP meeting and briefed WG on the issue. He handed over a written report to Chairman. Dr. Kim (Korea) provided an update on how to save agricultural water, conserving eco-system 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.

Item 9 : Future activities of the WG (activity plan)

The WG the revisited mandate and decided to complete the 'on going' activities. Subsequent tenure and mandate are covered in item 10.

9.1 Publications in Progress

• **Crop Water Requirements and Irrigation Scheduling**

Prof. Allen reported that FAO-56 paper has been translated into Spanish, Russian, French and Chinese. Translation in Arabic is in progress.

FAO-33 paper is being revised in the form of a computer model which will be presented in the International Soil Science meeting at New-Orleans in USA. The model will be called Aqua Crop. Final version will be available by 2008.

• **Guidelines for Food Production under Limited Water Supplies**

The document by Dr. G. Ghinassi (Italy) on "Guidelines for Food Production under Water Limiting Conditions" has been uploaded on WG webpage.

9.2 Workshop on "Water savings in conservation agriculture" in 2008

Since Dr. Florent Maraux (France), the incharge of this workshop, is not keeping well, this workshop will not take place in 2008.

Item 10 : Tenure of the Working Group

WG agreed that it is a must to revisit its mandate and new focus areas to be considered. The WG considered changing its name to WG on 'Water and Crops' and extending its completion date by 6 years. The new mandate is placed on the first page of these minutes.

Item 11 : Organic versus Conventional Farming

The Chair gave presentation on some early works on the water balance of organic versus conventional farming system in the UK.

Item 12 : Precision Agriculture

WG is keen on doing more work to investigate the benefits of 'Precision Agriculture' in terms of water use efficiency.

Item 13 : Any other business

None.

**MINUTES OF THE FIRST MEETING OF THE
TASK FORCE TO GUIDE ICID INPUTS TO WWF-5
Sacramento, USA
01 October 2007: 14.00-17.00 hours**

Members Present : (1) Mr. Aly M. Shady, President Hon. ICID (Canada), Chairman; (2) Prof. dr. Bart Schultz, President Hon., ICID (The Netherlands), Coordinator; (3) Mr. Peter S. Lee, President, ICID (UK); (4) VPH Alain Vidal, Chair, PCSPOA (France); (5) Prof. Riota Nakamura, Vice President Hon., ICID (Japan); (6) Prof. Dr. (Mrs.) Shaden Abdel Gawad (Egypt); (7) Mr. Hasan Basri Yuksel, Representative of Turkish National Committee of ICID (Turkey) and (8) Engr. M. Gopalakrishnan, Secretary General, ICID (India).

Observers : (1) VPH Henri Tardieu (France), (2) Ir. Paul van Hofwegen (WWC), (3) Mr. L. Tollefson (Canada), (4) Mr. Hiroshi Ikeura (Japan); (5) Mr. Tsugihiko Watanabe (Japan), (6) Mr. Yong Jig Lee (Korea) and (7) Mr. B.S. Ahuja (India).

Item 1 : Introductory remarks by Chairman and Coordinator

The Chair made a quick review of ICID contribution to the WWF-4 in Mexico. He outlined that ICID could even do better at the WWF-5 aiming at increasing visibility and impact of the main issues related to food, feed, fiber and fuels, which depend on agriculture.

The 5th World Water Forum is planned to take place in Istanbul, Turkey from 15-22 March 2009. A suggested approach from ICID is broadening its participation through the contribution of WGs, Regional Working Groups (RWGs) and National Committees (NCs) in the various activities of the Forum.

President Peter Lee outlined the new partnership agreement between ICID and WWC and his participation in the preparatory meetings for WWF-5. He stressed the need for ICID to organize its input in collaboration with other leading organizations active in the sector at the global, regional and national level. Formation of consortia will be the essential vehicle to present cases in a form of panels; debates and discussions open to all.

Ir. Paul van Hofwegen made a presentation on the planned thematic aspects of the WWF-5 highlighting the main theme: "Bridging Divides: Water for Sustainable 21st Century". The theme will be presented in two aspects covering: (i) Providing water for sustainable development and (ii) Enabling mechanisms for development. Each aspect will be covering a number of related topics.

PH Prof. dr. Bart Schultz presented a concept note on Agriculture, Food and Water. He identified that the future food gap was getting wider and prices were getting higher for LDCs. This was driven by higher rates of population growth and lack of development and investment in agriculture and water development in the past few decades. He identified a number of potential members of consortium for cooperation on Water for Agriculture related topics. Among these are: FAO, IWMI, IFPRI, EU, WB, AsDB, AfDB, Farmers and Producers Associations.

Mr. Hasan Basri Yuksel confirmed the thematic approach presented and added that several preparatory meetings were planned including a number of regional meetings, aiming at organizing the input of the various stakeholders towards the Forum itself. This will be done in parallel with political process as well.

Discussions took place among participants to identify ICID's role and contribution.

It was agreed that:

- ICID will take the lead in identifying key questions with greater focus on contemporary issues related to Water and Agriculture and Future Challenges of the 21st Century. These questions are to be addressed through background papers, discussions and debates involving major stakeholders with focus on the most vulnerable world population groups. Attention would be paid to a number of emerging issues such as climate change, rise in bio fuels production and impact of energy crises on demand for water and agricultural products.

- ICID shall seek partnership arrangements with major stakeholders and knowledge-based organizations to formulate background papers, design sessions and presentations at the WWF-5. These partners will be drawn from among sister professional associations (members of IWALC), UN organizations, CGIAR system centres, NGOs active in farming and agricultural producers, private sector industries of agricultural inputs, international food trade, retailers, agricultural credit and financial institutions.
- ICID shall mobilize Working Group members, Regional Working Groups and National Committees to make contribution to the thematic, regional and political processes.
- Participation in the preparatory process of WWF-5 shall be divided among Office Bearers after taking into consideration their availability and proximity to the venue.
- Central Office will act as the focal point for contact, coordination and facilitation of the process.

Item 2 : Offers for contribution from ICID National Committees and Workbodies

- The Task Force prepared a list of recommended involvement of WGs in relevant topics of the Thematic Process of WWF-5. The list is given in the **Annex**. Based on the feed back from PCTA, several WGs expressed desire to make contributions towards WWF5.
- In addition, a number of NCs expressed their support as also several RWGs.

Item 3 : Any Other Business (with the permission of the Chair)

No other business was transacted.

WWF5 PROGRAMME FRAMEWORK

The WWF5 Programme Framework aims to address the overarching theme on ‘Bridging Divides: Water for Sustainable 21st Century’ under two main issues with themes, as follows:

Note: Particular topics of interests for ICID are underlined and Workbody indicated where known.

WWF5 Theme: “Bridging Divides: Water for Sustainable 21st Century”

(I) PROVIDING WATER FOR SUSTAINABLE DEVELOPMENT

Theme 1: Global changes & risk management

- Adapting to climate change: understanding the impact of climate change, vulnerability assessments and adaptation measures
 - **WG-CLIMATE in consortium with WMO, Asian RWG**
- Water, changing land uses and mitigating impacts of migration and human settlements
- Water related hazards and water in disaster areas –mitigating impacts
 - **WG-CAFM – WG-IADWS – WG-SDTA**

Theme 2: Advancing human development and the MDGs

- Ensuring water, sanitation and hygiene for all – ensuring adequate infrastructure, protecting public health in the near term.
- Water for energy and energy for water
 - **Consumption of water for bio-fuel**
 - **Consumption of energy for pumping water for irrigation /drainage!!**
- Water and agriculture for alleviating poverty and hunger.
 - **Bio-fuels increase competition for land and water**
 - **TF-POVERTY, special group on bio-fuels?**
 - **Special TF for Water,-Food and Agriculture**
- Optimizing multiple uses of water systems e.g. water supply and irrigation.
 - **WG-MIS, ASRWG**
 - **WG-PQW**

Theme 3: Managing and protecting water resources to meet human and environmental needs

- Basin management and trans-boundary water cooperation: institutional frameworks and benefit sharing.
- Ensuring adequate water resources and storage infrastructure to meet rural, urban and energy needs.
 - **Through IWALC Secretariat at CO ICID, WG-MIS**
- Preserving natural ecosystems in catchments and coastal zones.
- Managing and protecting surface, ground and rain waters.

(II) ENABLING MECHANISMS FOR DEVELOPMENT

Theme 4: Governance and management

- Implementing the right to water and sanitation for improved access.
- Improving performance of water service provision through regulatory approaches.
 - **WG-MIS.**
- Elevating ethics, transparency, and empowerment of stakeholders in water services management.
 - **Erstwhile TF3** : Developing Position Paper on Socio-economic Sustainability of Services Provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector
- Optimizing public and private roles in water services.
 - **Erstwhile TF3**
- Institutional arrangements for efficient and effective water management
 - **Erstwhile TF3**

Theme 5: Finance

- Sustainable means of financing local water authorities and systems.
 - **TF-FIN**
- Pricing strategies to ensure fairness and sustainability in water service delivery.
 - **Erstwhile TF3**
- Pro-poor financing policies and strategies to enhance access to water and sanitation.
 - **TF-FIN**

Theme 6: Education, knowledge and capacity building

- Education and capacity-building strategies for sustainable water use and service provision.
 - **WG-CBTE**
 - Water science and technology: appropriate and innovative solutions for the 21st Century.
 - **Through IWALC Secretariat at CO, IPTRID/WG-TRUE.**
 - Using professional networks and associations to strengthen the water sector.
 - **Through IWALC Secretariat at CO, IPTRID /WG-TRUE and WG-YPF**
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MINUTES OF THE FOURTH MEETING OF THE
TASK FORCE ON INTER-BASIN WATER TRANSFERS (TF-IBWT)
Sacramento, USA
02 October 2007 : 09.00-12.00 hours

Members present: (1) Prof. dr. ir. Bart Schultz, President Hon. ICID, Chairman (The Netherlands); (2) Dr. José A. Ortiz Fdz.-Urrutia, Vice President Hon., ICID (Spain); (3) Mr. Maurice Roos (USA); (4) Prof. Dr. Takeshi Hata (Japan); and (5) Mr. Syed Jamait Ali Shah (Pakistan).

Member Honoraire : Engr. I.K. Musa, Vice President Hon., ICID (Nigeria).

Permanent Observer : Mr. Boubakari Mana (Lake Chad Basin Commission).

Observers: (i) Mr. Johannes de Vries (USA); (ii) Mr. Emeka Nwafor (Nigeria); (iii) Engr. M.S. Adamu (Nigeria); (iv) Dr. Wael Khairy (Egypt); (v) Dr. P. Hakstege (The Netherlands); and (vi) Mr. Jong-Wan Lim (Korea, Rep. of).

Item 1 : Confirmation of the minutes of the 3rd meeting held at Kuala Lumpur, Malaysia on 12 September 2006

No comments received. The minutes were confirmed.

Item 2 : Review of the Membership

In the 3rd meeting the nomination of Mr. R.K. Sharma received from the Indian National Committee (INCID) was accepted.

As Mr. Sharma has retired from his services, his successor Mr. A.D. Bhardwaj has been nominated by INCID for the membership. The nomination of Mr. Bhardwaj was deferred in the 4th meeting, as he was not present in the meeting.

Item 3 : Preparation of the Task Force Report

Central Office (CO) has collected a substantial amount of additional material. In close cooperation with the Chairman a revised draft report has been prepared. This was disseminated amongst the National Committees of ICID, Members and Permanent Observers.

The draft has also been placed on the ICID web site.

The revised draft report has been mailed to the members about a month before the 4th meeting and has been presented and discussed during the meeting.

The report was presented in general terms. There was a discussion on it and some additional information was submitted during the meeting.

The status of the report is as follows:

- Chapters 1 – 4 are considered to be draft final. Modifications can still be made when additional information will be received;
 - Chapters 5 and 6 still need to be improved. It was recommended that especially the following questions will be posed to the National Committees with respect to these chapters:
 - What criteria do they recommend to judge success or failure of IBWTs;
 - What do they consider relevant issues with respect to decision making;
 - together with Mrs. Jancy Vijayan, the Chairman will improve Chapters 5 and 6;
-

- the improved report will be circulated among the National Committees for final comments;
- the report will be published as an ICID publication, if possible before the Congress in Lahore.

It is proposed that during a half day Special Session in Lahore the report will be presented.

A short paper based on the Continent wise overview as shown in Chapter 3 of the draft report will be published in the forthcoming issue of the ICID Newsletter.

Item 4 : Progress Achieved for Upgradation of Task Force Report

It was agreed in the third meeting that the final report would be based on the following criteria for Inter Basin Water Transfers (IBWT) to be taken into account:

- The diverted flow does not return to the stream of origin, or to the same basin, or sub-basin downstream;
- The mean annual diverted flow is not less than 1 m³/s (30 Mcum/yr).

These criteria will be maintained in finalizing the report. The details of this have already been shown under item 3.

Item 5 : Cooperation with other International Organizations

Vice President Hon. I.K. Musa (Nigeria) gave a presentation in Accra on the outcome of the 3rd meeting of the TF-IBWT held on 12 September 2006 at the workshop on “Developing Guidelines for Inter Basin Water Transfers (IBWT) Projects for Policy Makers” held in Accra, Ghana from 25-29 September 2006. The proceedings of the workshop are available on the UNECA web site.

Item 6 : Time Schedule of Task Force Report Publication

In general terms the time schedule to finalize the report is expected to be as follows:

- October 2007 start with making the graphs and drawings ready for publication;
- Finalizing chapters 5 and 6 in draft by mid December 2007;
- Final comments by the task force members on chapters 5 and 6 by mid January 2008;
- Circulation of the full report to National Committees, the task force members and the permanent observers for final comments and suggestions on the points listed under item 3 by the end of January 2008;
- Final comments and suggestions by the National Committees by the end of March 2008;
- Submission for external review by early April 2008;
- External review comments by the end of May 2008;
- Submission of manuscript for publishing by the end of June 2008;
- Publication at the occasion of the Congress in Lahore and presentation in a Special Session.

The following names were proposed for potential External Reviewers: Vice President Hon. Frank Dimmick (USA), Mr. Johannes De Vries (USA), Prof. Okamoto (Japan), Vice President Hon. M. Abu Zeid (Egypt), and Ir. Dick de Bruin (The Netherlands). They need to be approached whether they will be available to review the draft manuscript.

Item 7 : Exchange of Information on Inter Basin Water Transfer Projects

During the meeting short presentations were given on IBWTs in Japan, Congo - Lake Chad, Nile Basin, Pakistan and USA.

An audio visual presentation on the South to North transfer project in China was shown.

Item 8 : Any other Business

None.

The meeting ended with vote of thanks to the Chair.

**MINUTES OF THE FIRST MEETING OF THE
TASK FORCE ON FINANCING WATER FOR AGRICULTURE (TF-FIN)
Sacramento, USA
30 September 2007: 09.00-12.00 hours**

Members present: (1) Ir. Paul van Hofwegen (WWC), The Netherlands, Chairman; (2) Mr. Eric Viala (USA), Vice Chairman; (3) Mr. Zainor Rahim bin Ibrahim (Malaysia); (4) Ms. Şadiye Yalçın (Turkey); (5) Mr. E. Farhadi (Iran); and (6) Engr. M. Gopalakrishnan, Secretary General, ICID.

Members Hon.: (1) Mr. Peter S. Lee, President, ICID (UK); (2) Mr. Aly Shady (Canada), President Hon. ICID; (3) Dr. Gao Zhanyi (China), Vice President, ICID; and (4) Vice President Hon. Henri Tardieu (France).

Observers : (i) Ms. Audrey Nepveu, IFAD (Italy); (ii) Mr. Marc Andreini, IWMI (USA); (iii) Mr. Ahmed Seren (Turkey); (iv) Mr. Sezar Ercan (Turkey); (v) Mr. Akif Ozkaloi (Turkey); (vi) Ms. Dorota Haman (USA); (vii) Mr. Machiel Viljoen (South Africa); (viii) Ms. Kathy Schuler (USA); and (ix) Dr. Hasan Yuksel (Turkey).

Item 1 : Membership of the Task Force

The membership was not discussed. All participants in the meeting were invited to contribute.

Item 2 : Background

To achieve or sustain food security and the economic value of the agricultural sector, adaptation of agricultural water management practices and associated infrastructure and institutions is necessary in many regions due to the rapidly changing social, economic, climatic and physical environment.

As indicated by the Camdessus Panel and the Gurria Task Force, a redirection of investments is to take place to meet the MDGs and to face the challenge of population growth, malnutrition and poverty, the increasing competition for land and water and the need to protect resources and eco-systems. Also new challenges are appearing that necessitate adaptation to the impacts of climate change, change of diets and development of agro-fuels. The recent development of increasing world market prices for staple food products is an important factor in the development of investment strategies.

In recent years recognition grew to look at water management for agriculture in the wider context of farm systems, livelihood options and institutions. Also the recognition of farmers as guardians of the environment has changed the nature of and need for investments.

Investors are increasingly looking at complete agro-chains (crop production – storage - processing – marketing – sales) for niche markets in which beside the traditional farmers and water service operators, a new set of actors emerge i.e. water users or farmer associations, supermarket chains, food and agro-industry etc.

The next generation of investments in water management for agriculture will therefore be different from the last in type, scale, sponsors, and modes of finance. Under the Gurria Task Force, the working group on “Financing Water for Agriculture” recognized the complexity and the need to further work on this issue to identify a set of clear recommendations for various public and private, international, national and local actors to enhance access to finance for the necessary investments in this sector. The findings of the working group are available on <www.financingwaterforall.org>.

This complexity was confirmed in the Comprehensive Assessment (2007): “*It is clear that the environment in which irrigation decisions will be made is far more complex today than in the past: more stakeholders, more competing demands for [land and] water and no single overwhelming driver for investment*”.

To get more grip on this complexity, the “Financing Water for Agriculture” working group formulated three main questions around this issue as a guideline for work in the next stage:

- What are the needs for financing water management infrastructure for agriculture and where should they be? Should it be on efficiency improvement, expansion of irrigated agriculture, or technology development? And whose needs are they, as they vary from small-scale subsistence agriculture to large-scale international commercial enterprises?
- Who should pay for these investments? Within the distorted agricultural market, the separation between public and private interests has become very vague. Where does the public responsibility end and where does the private responsibility start?
- What mechanisms are most appropriate? The wide variety of functions of water in agriculture and the large spectrum of size of operations which all need to be properly funded, demands for a mix of instruments that need to be consistent and complementary.

These questions are proposed as the basis for the work for this new ICID Work body on Financing Water for Agriculture which the PCTA during its 26th meeting in Kuala Lumpur recommended and which was subsequently approved by the 57th IEC subject to the preparation of a detailed workplan and objectives.

Item 3 : Mandate/Objective and Work Plan

The group discussed the wide range of options in which it could work. The group identified the need for an assessment of:

1. the demand for financing,
2. for whom are those investments in agriculture water,
3. the present financing mechanisms, constraints met from the demand side,
4. changes and innovations for more appropriate mechanisms to enable better access to finance for the whole range of actors.

The agreed focus of the work is to get a 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 agricultural sector due to increasing demands for food (population growth and diet change), more competition also from agro-fuels, the consequent increases in market prices of staple agro-produce, and the need for climate change adaptation. The activities will make use of experiences and research done by ICID by its erstwhile Task Force (TF3): 'Developing Position Paper on Socio-economic Sustainability of Services Provided by Irrigation, Drainage and Flood Control Schemes in Water Resources Sector'. About 40 case studies are available from the work of TF 3 on irrigation water pricing and desirable options for cost recovery to ensure sustainability. The participating institutions supported by case studies from Korea, S. Africa, Turkey (and maybe others) will be useful. A format has to be developed for the purpose.

The direct objective is to prepare a paper for discussion as a contribution to the 5th World Water Forum (2009) in Turkey.

A preliminary schedule is to prepare a framework document for the whole set of activities including guidelines for the case studies. This document should be available before the end of this year. A first draft of the paper should be available around June 2008 to allow financing institutions (e.g. GEXSI)¹, donors and other relevant institutions, national committees to provide feedback and additional contributions.

In a parallel, the experiences of financiers and donors can be tapped, may be through another set of case studies. The Stockholm World Water Week (August 2008) provides then an opportunity for an active exchange (e.g. workshop or side event) between the two processes (demand and supply) and the provision of feedback from other types of organizations (banks, industry etc). A second draft can then be discussed during the ICID Lahore Congress in October 2008. The final draft should be completed around October/November 2008.

To define more precisely the mandate, objective and workplan, a follow-up meeting was agreed upon on 3 October 2007, Wednesday at 09.00 am. Other institutions (FAO, IPTRID, World Bank) showed interest in the initiative but could unfortunately not attend the meeting. They will be invited to attend the follow up meeting.

¹ The Global Exchange for Social Investment (GEXSI)

Item 4 : Election / nomination of Chairman, Vice Chairman and Secretary

The group agreed to work in the format of a **Task Force** with the first aim to bring a paper to the 5th World Water Forum for debate on financing water for agriculture.

Ir. Paul van Hofwegen agreed to be the Chairman of the Task Force until the Forum. Mr. Eric Viala agreed to act as Vice Chairman.

Item 5 : Tenure of the Task Force

The first main milestone of the Task Force is the 5th World Water Forum in Istanbul in March 2009. As the 'scope of work' requires interactions with many other types of organizations (banks, industry etc), a continuation 'post-Forum 5' may be envisaged. In this second period, the activities will focus on integration of perceptions and translation into joint action proposals to enhance access to finance and stimulate investments in water management for sustainable agriculture.

Item 6 : Any other business

None.

**INTERNATIONAL WORKSHOP ON
THE ROLE OF IRRIGATION IN POVERTY ALLEVIATION AND LIVELIHOODS (TF-POV)
Sacramento (USA), 4 October 2007, 14.00-17.00 hrs**

DISCUSSION AND CONCLUSIONS

This workshop gather participants from quite different worlds: some were clearly concept-oriented, some were concerned by large investments big (World Bank, IFAD), and some were more working on practical aspects at local scales (NGOs). As a result, the workshop was focused at a common understanding of concepts.

A. Vidal introduced the discussion by reminding that this meeting was actually launching a network that would contribute to the preparation towards WWF-5, on the *topic "Water and agriculture for ending poverty and hunger"* contributing to **Theme 2: Advancing human development and the MDGs**.

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 (?), esp. 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 upgrade irrigation water services to support multiple use approaches, and how to finance these upgrades?
- How to target pro-poor interventions to make them effective?

Further discussions helped clarify the following:

- **Scope of the group**
 - 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.
- **Regional focus**
 - The group recognized that interventions differ regionally, and that it is not in its mandate to detail too much at regional level. Prime focus on Africa, but other regions (Asia, Latin America & the Caribbean) should not be forgotten, especially to draw some lessons learnt from irrigation and poverty alleviation experiences.
- **Outputs**
 - 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 (see below 'Further Step'), and linking with the consortium preparing WWF5's topic on "*Water and agriculture for ending poverty and hunger*".
 - A position paper prepared by late 2009 for WWF-5.

- **Next milestones**

- ICID African regional conference 6-9 November 2007 (<http://www.sancid.org.za/>) where among others 8 stock taking studies will be presented by the World Bank.
- WWW 2008 in Stockholm, 17-23 August 2008 (<http://www.worldwaterweek.org/>)
- Next formal meeting of the group during ICID Congress in Lahore, 13-19 October 2008 (<http://www.icid2008.org/>), where concepts, examples and messages should be finalized – tentative date 15 October 2008 13:30-17:00.

- **Further steps**

- Presentations and workshop summary posted on the web by late October 2007
- ICID Task Force established, composed of workshop contributors and those who have expressed interest before but could not attend (November 2007), and called 'ICID Task Force on the Role of Irrigation in Poverty Alleviation and Livelihoods' (TF-Poverty)
- A. Vidal (TF-Poverty Convener) will keep TF members informed on the progress made with the preparation of WWF-5 on the topic "*Water and agriculture for ending poverty and hunger*", link with the consortium that will prepare activities under this topic (next WWF-5 milestone Nov 2007), and ask for further contributions from the group to elaborate an ICID position paper on the TF focus.

- **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	ICID
Ian Makin	ADB
Monique Mikhail	IDE
Audrey Nepveu	IFAD
Christelle Pezon	AgroParisTech
Paul Polak	IDE
Mary Renwick	Winrock
Julienne Roux	WB
Mark Svendsen	USCID
Henri Tardieu	AFEID
Barbara Van Koppen	IWMI
Alain Vidal	AFEID
Linden Vincent	WUR
Steve Vosti	UC Davis
Dennis Wichelns	University of Hanover
Jonathan Woolley	CPWF
Bob Yoder	IDE

**MINUTES OF THE TWENTY EIGHTH MEETING OF THE
PERMANENT FINANCE COMMITTEE (PFC)
Sacramento, USA
30 September 2007: 14.00 – 17.00 hours**

Members Present: (1) VPH Prof. Dr. Chandra Madramootoo, Chairman (Canada, 2006); (2) VPH Dr. Saeed Nairizi, Vice Chairman (Iran, 2006); (3) Dr. James Ayars (USA) (acted as Secretary) representing Mr. Joseph I. Burns, Secretary (USA 2003) (4) Dr. Ing. Stefano SALBITANI (Italy 2003); (5) Vice President Dr. Gao Zhanyi, representing Mr. Yuanhun Li (China 2003); (6) Dr. A.V. Kolganov (Russia 2003); (7) Prof. Dr. Kinji Ohashi (Japan 2004); (8) Dr. Laszlo G. Hayde (Hungary, 2004); (9) VPH Dr. Alain Vidal (France, 2006); (10) Mr. Syed Raghob Abbas Shah (Pakistan, 2006); (11) Er. M. Gopalakrishnan, Secretary General, ICID.

Office Bearers/Office Bearers Hon./Observers: (1) Mr. Peter S Lee, President ICID (UK) (2) Mr. Aly M. Shady, President Hon., ICID (Canada) (3) Engr. I.K. Musa, Vice President Hon., ICID (Nigeria) (4) Dr. Ing. Michele Angelo Cuccaro (Italy) (5) Mr. Satoru Yoshimi (Japan) (6) Mr. Mario Cutonilli (Italy) (7) Dr. (Mrs.) Irina G. Bondarik (Russia).

Item 1 : Confirmation of the minutes of 27th Meeting of Permanent Finance Committee held at Kuala Lumpur, Malaysia on 12 September 2006

Motion to confirm the minutes was moved by the representative from France and seconded by the member from Russia. Minutes of the 27th meeting of the PFC were confirmed.

Item 2 : To review membership of the Committee

The membership nominations of Dr. Gao Zhanyi (China) and Dr. James Ayars (USA) were accepted. Dr. James Ayars volunteered to act as Secretary for the meeting.

Item 3 : To consider the position of arrears of annual subscription and consequential remedial action

3.1 Arrears

The SG reviewed the status of NCs in arrears and indicated that a total of US \$30,462.16 is in arrears, with 1/3 of the amount being from the US.

3.2 Reactivation of National Committees

- (1) Bangladesh National Committee (BANCID)
- (2) Iraq National Committee (IRQCID)

3.3 Kenya (KENCID)

The Committee approved the request of the KENCID to restore it as an active member subject to paying the current subscription. Efforts will be made by outside donors to assist with payment of arrears to ensure continuous membership status of KENCID.

Nigeria indicated that the NC would be paying its dues shortly.

Item 4 : ICID Internal Review- PFC

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" commissioned by the IEC to evaluate the long term finances of ICID. The Committee Chairman Professor Dr. Chandra Madramootoo provided a summary of the work which formed the basis for the recommendations considered by the PFC. The cost projections indicate that the deficits projected for the next 3 years will not be balanced by funds from future Congresses. Analysis of the past financial history indicate that the revenues from the Congresses used to be adequate in the past decade(s) to bring

the budgets back into balance but this will not be the case in the future. The Committee concluded that an increase in revenue was absolutely required. The last increase in subscription was effected 10 years ago. The Committee recommended that efforts should be increased to collect arrears and pursue activation of inactive NCs as well as look for additional revenue sources. Additional revenues are still required in addition to these activities. The recommendations include a 10 – 15% increase in subscriptions of NCs or a revision of the formula used to calculate NC subscription. The subscription calculation formula was critically examined and recommendations placed by the Special Committee led by VPH Chandra Madramootoo on individual components of subscription are given below:

- (i) To increase the fixed charge, modify the *'interest of the country'* component (reducing the area criteria)¹ and evolve a new formula.
- (ii) Changes in the capacity to pay criteria and
- (iii) Change for the concession for least developed countries recommended.

A table was presented that demonstrated the effect of implementation of the formula changes both on the increase in revenue and on the individual calculation for NC's subscription. It became apparent that modification of the formula would result in a wide range of percentage increases in the calculations to NC's subscription that may not be acceptable to some National Committees. Several options were discussed. The goal was to develop additional revenues in a method that is both equitable and possible for individual committees.

The PFC agreed that a small annual increase in steps would be the best approach. *As a result, the PFC agreed to recommend to the IEC that a 3% annual increase be implemented from the next fiscal year 2008. The committee also recommended that congresses should continue to contribute 50% of the registration fees to ICID and that 15% of the registration fees from the IEC meetings be contributed beginning in 2009.*

The PFC discussed the idea of corporate participation in ICID for corporations that are without country affiliations. It was noted that the wording of this participation was critical since a corporation can not be a member like NCs, which is only possible for countries. It was agreed that this would be placed to the IEC for consideration and action.

It was agreed that with the presentation of the report to the 58th IEC meeting in Sacramento, the "Special Committee to Review the Revenue and Cost Options to Improve ICID's Finances" has completed its mandated task.

The need to reduce the cost of operating the Central Office was also discussed. There were several items presented by the Secretary General to show the steps taken to reduce the cost of operation of the CO.

Item 5 : To review progress on financial and administrative arrangements for forthcoming ICID Conferences

(i) 59th IEC Meeting and 20th International Congress on Irrigation and Drainage, Lahore, Pakistan, 2008

Mr. Syed Raghیب Abbass Shah presented a status report on the 2008 IEC meeting and Congress venue, tours and accommodations as contemplated. The program is underway. Sponsorships will be developed to cover deficits. The Committee recommended additional effort to increase local participation of students and young professionals based on the experience at the last regional meeting in Iran.

(ii) 60th IEC Meeting and 3rd African Regional Conference, Abuja, Nigeria, 2009

Engr. I.K. Musa, Vice President Hon., ICID presented that the Government approval has just been obtained and initial work has been completed on developing the registration fees. A major effort will be to involve inactive NCs from Africa to develop regional cooperation. Proposed Conference theme will be "Role of Irrigation in Millennium Development Goals".

Later Engr. Musa also handed over a spreadsheet touching upon the revenues and costs. Engr. Musa also indicated that notwithstanding the fact that Nigeria is not a developed country, 15% of the collected registration fees from registrations at IEC meeting and Conference will be paid to CO, taking the maiden privilege of doing so to their country.

¹ (Based on 'curve fitting')

(iii) 61st IEC Meeting and 6th Asian Regional Conference, Jogjakarta, Indonesia, July 2010

No information on financial aspect was available for the Committee to consider.

Item 6 : To discuss and recommend to IEC the audited Accounts for the year 2006-07

The accounts were discussed and clarified. The reports were confirmed.

Item 7 : Forecast for the current financial year 2007-08

Forecast for the financial year 2007-08 was confirmed.

Item 8 : To consider and recommend to IEC the budget for the Financial Year 2008-09

Item 9 : To consider the preliminary budgets for the years 2009-10 and 2010-11

These two items were considered as a whole together with the discussions for clarification of reserve funds needed to meet contingencies at CO as well as aspects related to rental property.

It was noted that all these figures would undergo revision in the light of 3% in subscription annually (commencing from next year) and also the 15% IEC registration fee each year to CO, besides 50% from Congress. Hence no detailed discussion on the figures took place.

Item 10 : To note the external funding assistance received in 2006-07 and identify additional funding

Status of Grant

SG presented the status of the Country Policy Support Programme with the funds from the Government of the Netherlands and informed that it was now completed. Additional opportunities are being explored.

Motion on Items 6,7,8 to 10 was then moved by Pakistan and seconded by France and Hungary. All committee members agreed unanimously to pass the budget/accounts.

Item 11 : Any other business (with the permission of the Chair)

With no other business the meeting was adjourned at 17:20.

SUPPLEMENTARY AGENDA NOTES FOR THE FIFTY EIGHTH MEETING OF THE
INTERNATIONAL EXECUTIVE COUNCIL
Sacramento, USA, 5 October 2007
First Session : 9.00 – 12.00 hours
Second Session : 14.00 – 17.00 hours

Note:*

Item 3 : Venues for future conferences

Vide their fax and letter dated 13 August 2007 (copy enclosed) the Korean National Committee (KCID) has sent a preliminary offer to hold the 62nd IEC and 21st Congress in 2011 or 65th IEC and 22nd Congress in 2014 in Korea. As mentioned in the Agenda, Iranian and Russian National Committees have already offered to host the 62nd IEC and 21st Congress in 2011.

The new offer may also be kept in view at the meeting.

Vide their e-mail of 26 August 2007 (copy enclosed), the Indonesian National Committee (INACID) has given updated information on the theme and sub themes for the 61st IEC and 6th Asian Regional Conference to be held in Yogyakarta, Indonesia, 5-12 September 2010. (They have wrongly mentioned the Asian Regional Conference (ARC) to be 5th ARC instead of 6th ; (the 5th ARC is being held in India in 2009). The dates of the IEC and Conference are revised to be 5-12 September 2010 against 11-17 July 2010 mentioned earlier and reported in the Agenda of 57th IEC (Kuala Lumpur).

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SUPPLEMENTARY AGENDA NOTES FOR THE EIGHTEENTH MEETING OF THE
**PERMANENT COMMITTEE ON STRATEGY PLANNING AND
ORGANIZATIONAL AFFAIRS (PCSPOA)**
Sacramento, USA
02 October 2007 : 09.00-12.00 hours (Session – I)
02 October 2007 : 14.00-17.00 hours (Session – II)

A. CONTINUING ITEMS

Item 3 : ICID Internal Review of PCSPOA

Vice President Hon. Victor Dukhovny has sent his observations on the draft report of the Special Committee for review of PCSPOA (attached).

Item 4 : Membership of PCSPOA and Workbodies

4.2 As stipulated in By-law 3.2.2(e) 'The Chairperson of the Committee will be nominated by the President, in consultation with the Secretary General from amongst the incumbent Vice Presidents.' Accordingly, the President in consultation with the Secretary General, proposed the nomination of Vice President Dr. Gao Zhanyi (China) to be the next Chairman of PCSPOA. Dr. Gao Zhanyi has accepted the offer. The Chairperson shall serve the Committee during his tenure of membership of this Committee.

The Committee may nominate a Vice Chairman and a Secretary from amongst the members.

4.4 Membership nomination proposals received from Workbodies under PCSPOA are as follows :

Asian Regional Working Group (ASRWG)

Mr. Mohd Abdul Nassir bin Bidin (Malaysia) in place of Ir. Mohd. Azhari bin Ghazalli

* **Note:** The annexes mentioned in the Supplementary Agenda Notes were placed at the respective workbody meetings, hence not appended here.

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

Ms. Kartabayeva Irina Anatolyevna (Kazakhstan)
Dr. Takanori Nagano (Japan)

Item 6 : Active National Committees and reactivation of inactive NCs

Prof. Torkil Jonch Clausen, Managing Director at Danish Hydraulic Institute (DHI), Denmark and the recipient of 'King Hassan II Great World Water Prize' visited Central Office on 28 August 2007 and expressed his keen interest to participate in ICID activities. Denmark became a member of ICID in 1981 and withdrew from membership in 1986. Prof. Torkil has been requested to explore the possibility of reactivating the Denmark National Committee and his response is awaited.

SUPPLEMENTARY AGENDA NOTES FOR THE THIRTEENTH MEETING OF THE
WORKING GROUP ON YOUNG IRRIGATION PROFESSIONALS FORUM (WG-YPF)
Sacramento, USA
30 September 2007 : 09.00-12.00 hours

Note: Mr. Ali Reza Salamat, Chairman, YPF informed that he would not able to attend the WG-YPF meeting due to visa issuing problems and requested Ir. Maurits Ertzen, Member, WG-YPF (The Netherlands) to Chair the meeting in his absence and prepare minutes of the WG-YPF meeting. Accordingly, Ir. Ertzen accepted the request and will chair the meeting.

Item 3 : Review of the membership of the Working Group

The National Committees of Kazakhstan nominated Ms. Kartabayeva Irina Anatolyevna for the membership of WG-YPF.

Curriculum vitae of the following nominees are attached for consideration:

1. Mr. Pavel Svirkin (Russia) in place of Dr. Nariman Shamsutdinov
2. Dr. Lee Kwang-Ya (Korea) in place of Mr. Jong Min Park
3. Ms. Kartabayeva Irina Anatolyevna (Kazakhstan)

The Russian National Committee of ICID (RUCID) has informed vide e-mail dated 17 September 2007 that Mr. Pavel Svirkin would not be in a position to attend the meeting due to visa problem. Under the circumstance, his nomination would defer in the 13th meeting and the same may consider during the next meeting with the approval of RUCID.

The Japanese National Committee of ICID (JNC-ICID) has intimated (e-mail dated 4 September 2007) that Dr. Takanori Nagano would represent Dr. Hidekazu Tagashira, Member, WG-YPF and also informed that Dr. Nagano would be nominated for membership consideration in WG-YPF during the 59th IEC meeting scheduled at Lahore, Pakistan in 2008.

Attendance of members at the meetings of the Working Group in 2005 and 2006 is attached. The Working Group may consider for making any addition(s) in view of individual's contribution to its activities.

Item 5 : Review of the progress on preparation of a directory of Young Professionals

YPF Directories as received from South Africa, Japan and India are attached for consideration during the meeting.

SUPPLEMENTARY AGENDA NOTES FOR THE FOURTH MEETING OF THE
AMERICAN REGIONAL WORKING GROUP (AMRWG)
Sacramento, USA
30 September 2007 : 09.00-12.00 hours

Item 2 : Review of Membership

Ing. Agr. Sergio de Agrela (Uruguay) has informed (3 September 2007) that he would be participating in the Sacramento meetings to facilitate the new ICID membership of Uruguay. Central Office has requested him to prepare a 2-5 page country profile covering various aspects of water resources development and management which could be later shared with other National Committees.

SUPPLEMENTARY AGENDA NOTES FOR THE EIGHTEENTH MEETING OF THE
COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)
Sacramento, USA
30 September 2007: 14.00-17.00 hours

Item 6.5 : Review preparations for the 6th Asian Regional Conference (2010) in Indonesia

The Indonesia National Committee of ICID (INACID) has submitted (26 August 2007) updated information about hosting the 61st IEC concurrent with 5th Asian Regional Conference (ARC) during 5-12 September 2010 at Yogyakarta, Indonesia.

The representative from INACID may apprise the Committee members.

SUPPLEMENTARY NOTES FOR THE FOURTEENTH MEETING OF THE
ASIAN REGIONAL WORKING GROUP (ASRWG)
Sacramento, Malaysia
30 September 2007 : 14.00-17.00 hours

Item 2 : Membership of the Working Group

The Malaysian National Committee of ICID (MANCID) has sent nomination of Mr. Mohd Abdul Nassir bin Bidin for the membership of ASRWG as a Secretary in place of Vice President Mohd. Azhari Ghazali who also holds the position of Secretary, ASRWG.

The CVs of the following nominees are placed for consideration :

1. Mr. Hanan Itzkovitch (Israel)]
2. Engr. H.M. Jayatilake (Sri Lanka) and
3. Mr. Mohd Abdul Nassir bin Bidin.

Attendance of members at the meetings of the Working Group in 2005 and 2006 is attached. The Working Group may consider for making any addition(s) in view of individual's contribution to its activities.

Mr. C.D. Khoche, Member, ASRWG has sent the following comments/views for the agenda items as given under :

Item 3 : To Discuss Future Work Plan

The theme/sub-themes for the 5th Asian Regional Conference (ARC) scheduled in 2009 in New Delhi, India has been finalized and are:

Main Theme: Improvement in Efficiency of Irrigation Projects through Technology Upgradation and Better O&M'

Sub-theme: I (i) Supply Management, and (ii) Organizational Management
II. Demand Management including Pipe Distribution System
III. Irrigated Area Drainage
IV. Command Area Improvement/Water Conservation/Technology Improvement, and
V. Legal Aspects and Gender Issues.

In addition to above, a sub-theme namely on "Mapping System and Services for Canal Operation Techniques (MASSCOTE)", as suggested by FAO and recommended by Secretary-General, ICID is also under consideration for the 5th ARC.

Item 7 : ASRWG Newsletter and ASRWG Homepage

INCID is in the process of developing its own website. After its launching INCID will establish linkages with the ASRWG Homepage.

Item 10 : Linkages with Regional and Transnational Organizations for Cooperation

(i) International Water Management Institute (IWMI)

Mr. Upali Amarsinghe of IWMI and their Consultant Shri A.D. Mohile had visited INCID Secretariat during 2006 and held discussions regarding the research projects supported by INCID. Requisite information in this regard alongwith results of some completed research projects wise made available to them. This is cited as an example of interaction/cooperation with IWMI at local level.

(iii) Food and Agriculture Organization of the United Nations (FAO)

As suggested by FAO, an additional sub-theme namely on "Mapping System and Services for Canal Operation Techniques (MASSCOTE)" for the 5th ARC to be held at New Delhi in 2009 is under consideration of INCID.

Item 13 : Asian Paddy Field Initiative: Framework of International Network of Water, Environment and Paddy Fields (INWEPF) with ASRWG Activities and Collaboration with PAWEES

Shri A.K. Singh, Project Director, Water Technology Centre, IARI, New Delhi from India participated in the International Network of Water Environment and Paddy Fields (INWEPF) meeting held in Kuala Lumpur, Malaysia during September 17-19, 2006. Dr Singh has reported that main focus was on "Rice Paddy : Now, Tomorrow and the Future". The Workshop was inaugurated by Dr Keizrul bin Abdullah, Director-General, Department of Irrigation and Drainage, Malaysia. In the Session, one more presentation on "Development of Agriculture Water Governance and Social Capital under the Humid Climate – Efficient and Sustainable Water use to address poverty alleviation and food security" was made by Dr Kazumi Yamaoka from Japan. There was emphasis on PIM, capacity building and policies dealing with surface and groundwater management. Five working Groups constituted for examination of various issues related to "Food Security and Poverty Alleviation", "Sustainable Water Use" and "Partnership". Dr A.K. Singh, was assigned the responsibility of presenting the outcome of the Working Group-II which focused on developing guidelines for increasing water use efficiency in rice eco-system. The inputs provided by the five working groups were thereafter consolidated into three Working Groups and their outputs then discussed in detail during the 3rd Steering Committee meeting of the INWEPF.

Interaction with local farmers, district and state officials and local politicians was made by all the delegates Putrajaya, an important city of Malaysia was also visited by the delegates. An exposure was made to several important aspects related to the water management in the paddy fields and its impact on the environment and various technological interventions. Through the Workshop knowledge about the multifunctional roles of water in paddy cultivation in terms of social awareness, methodology, institutional and operational aspects and pricing issues from various member countries was obtained by Indian participant.

It is felt that there is a great scope to develop and deploy integrated technologies to increase productivity and reduce production costs in paddy cultivation. More attention needs to be given on research on real water savings, long term sustainability and environmental impacts. Need for INWEPF - India is also felt.

Item 15 : 5th Asian Regional Conference

Action has been initiated to organize 5th Asian Regional Conference at New Delhi in December, 2009. Requisite sanctions/approvals of Government of India are being obtained.

Information in this regard will be made by the representative of INCID in the forthcoming meeting of the ASRWG at Sacramento, USA.

In addition to the above main theme/sub-themes, a sub-theme MASSCOTE (Mapping System and Services for Canal Operation Techniques) is also under consideration for the 5th Asian Regional Conference.

Item 9 : Asian Drainage Programme for the Humid Tropics (ADPHT) and Eradication of Information Gap

A concept note on the proposed Asian Drainage Center for Semi and Arid Region addressed to Dr. Carlos Garces-Restrepo (Italy), Programme Manager, IPTRID as received from Vice President Karim Shiati, Chairman, ASRWG is attached for consideration of ASRWG.

Item 16 : 6th Asian Regional Conference

The President of Indonesian National Committee of ICID (INACID) has now proposed to hold the 61st IEC in concurrent with 6th Asian Regional Conference from 5 September to 12 September 2010 in Yogyakarta, Indonesia vide his letter dated 27 August 2007.

The INACID has also proposed the following theme and sub-themes for the 6th ARC :

Theme: "Improvement of Irrigation and Drainage Efficiency under the Small Land Holding Condition"

Sub Themes:

- I. Irrigation under the Escalating Water Scarcity and the Issues of Agricultural Land Conversion and Agricultural Land Fragmentation.
- II. Challenges for Irrigated Agriculture under the Small Land Holders in the Approaching Decades:
 1. Irrigation Water for Food Security;
 2. Irrigation Water for Supporting Human Living;
 3. Irrigation Water for Supporting Environment.
- III. Improvement of Irrigation and Drainage Efficiency through Participatory Irrigation Development and Management under the small land holding condition.
- IV. Multifunctional Roles of Irrigation Water and the role of Sustainable balance of Ecosystem under the Small Holder.
- V. Synergizing of the Small and the Large Land Holder Irrigation under the Rapid Development of Rural and Urban Infrastructures.

ASRWG may consider to finalize.

Item 17 : ASRWG's contribution to the 5th WWF

The report on preparatory seminar for the 5th World Water Forum (WWF) held in Istanbul, Turkey in March 2007 is attached for distribution.

SUPPLEMENTARY AGENDA NOTES FOR THE THIRTEENTH MEETING OF THE
EUROPEAN REGIONAL WORKING GROUP (ERWG)
Sacramento, USA
01 October 2007: 09.00-12.00 hours

Item 2 : Review of membership of the Working Group

In response to invitation (23 April 2007) from Central Office, Prof. as.dr. Irfan Tarelli, General Director, General Department of Resources Management & Support Services, Ministry of Agriculture, Food and Consumer Protection, Albania informed (13 July 2007) that the proposal of ICID membership is being positively considered in the Ministry of Agriculture. Albania desires to join the scientific and technical international organization such as ICID to benefit from the experience of other countries in the area of irrigation and drainage for development of agriculture in **Albania**. The formal application for the membership is awaited.

Prof. Torkil Jonch Clausen, Managing Director at Danish Hydraulic Institute (DHI), **Denmark** and recipient of the 'King Hassan II Great World Water Prize' visited Central Office on 28 August 2007. Prof. Torkil appreciated the pivotal role played by ICID in promoting integrated water resources development and management across all the regions of the world, and expressed his keen interest in participating ICID activities. Denmark became a member of ICID in 1981 However, the country had withdrawn its membership in 1986. Secretary General M. Gopalakrishnan requested Prof. Torkil to explore the possibility of reactivating and joining Denmark to ICID family. Response is awaited.

Attendance chart of the members at the meetings of the ERWG during 2005 and 2006 is attached as **Annex 1**.

Item 11 : Conferences supported by ERWG

22nd European Regional Conference of ICID, 2-6 September 2007, Pavia, Italy

The 22nd European Regional Conference of ICID during 2-6 September 2007 at Pavia, Italy was successfully organized by the Italian National Committee of ICID (ITAL-ICID). The 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.

Dr. M. Elisa Venezian Scarascia, General Secretary, ITAL-ICID may apprise the members.

Item 15 : Any other business

ERWG Interim Meeting

Dr.-Ing.Eiko Luebbe, Chairman, ERWG informed (8 August 2007) that an Interim Meeting of ERWG will be held on 2 September 2007 during the 22nd European Regional Conference at Pavia, Italy. Dr. Luebbe circulated the Agenda for the interim meeting to the members of the ERWG.

The Chairman may apprise the members.

SUPPLEMENTARY AGENDA NOTES FOR THE SECOND MEETING OF THE
SPECIAL WORK TEAM ON LAKE CHAD BASIN (ST-LCB)
Sacramento, USA
01 October 2007: 09.00-12.00 hours

Item 1 : Membership of the Special Work Team

CV of Mr. Dominique Durlin (IPTRID) is yet to be received.

SUPPLEMENTARY AGENDA NOTES FOR THE FOURTEENTH MEETING OF THE
SPECIAL WORK TEAM ON ARAL SEA BASIN (ST-ARAL)
Sacramento, Malaysia
01 October 2007 : 14.00-17.00 hours

Item 3.1 : Work Team Membership

Attendance of members at the meetings of the ST-ARAL in 2005 and 2006 is attached. The ST-ARAL may consider for making any addition(s) in view of individual's contribution to its activities.

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SUPPLEMENTARY AGENDA NOTES FOR THE EIGHTEENTH MEETING OF THE
AFRICAN REGIONAL WORKING GROUP (AFRWG)
Sacramento, USA
01 October 2007: 14.00-17.00 hours

Item 2 : Review of membership of the group, permanent observers, and countries

2.1 Chairmanship/ Membership of the Working Group

CVs of following nominations are placed below –

- Mr. Makonnen Loulseged (Ethiopia)
- Dr. Sizwe Stanley Mkhize (South Africa)

CV of Dr. H. Fahmy (Egypt) is yet to be received.

2.2 ICID Membership of African countries

The Niger's membership of ICID was approved and admitted by the IEC in the year 2003. However, due to non-payment of the subscription, the Niger National Committee in Irrigation and Drainage (ANID) is yet to become an active member of ICID and avail the benefits.

The ANID vide its e-mail of 25 August 2007 has informed the Central Office that they will be paying the first annual subscription towards the membership of ICID, prior to Sacramento IEC and a delegation would attend the events . However, the subscription is yet to be received by the Central Office.

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SUPPLEMENTARY AGENDA NOTES FOR THE FIFTH MEETING OF THE
TASK FORCE FOR LEAST DEVELOPMENT COUNTRIES IN ASIA (TF-LDCsAS)
Sacramento, USA
30 September 2007 : 09.00-12.00 hours

Item 3 : Winding-of TF-LDCsAS

The Summary Report is the output of the TF-LDCsAS.

Accordingly, TF-LDCsAS prepared a summary draft report considering the output generated through its questionnaire surveys, special sessions and deliberations held during various meetings. The Chairman, TF-LDCsAS, Vice President Hon. S. Taniyama circulated the draft summary report of TF-LDCsAS amongst all the members of TF-LDCsAS and to the concerned present and past office bearers of ICID. On request, the ICID Central Office has also forwarded the views/comments on draft summary report for consideration of Chairman, TF-LDCsAS.

As desired by the Secretary, TF-LDCsAS, Mr. S. Seyama, the Central Office circulated the draft summary report of TF-LDCsAS amongst the National Committees of ICID coming under the region of Asia.

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SUPPLEMENTARY AGENDA NOTES FOR THE THIRD MEETING OF THE
**TASK FORCE FOR IDENTIFYING PRIORITY ISSUES FOR
LEAST DEVELOPED COUNTRIES IN AFRICA (TF-LDCs-AF)**
Sacramento, USA
30 September 2007: 14.00-17.00 hours

Item 1 : Membership of the Task Force

CV of Mr. Makonnen Loulseged (Ethiopia) is placed below.

Item 4 : To review collected data from questionnaires and build-up a knowledge base of LDCs-AF

Chairman Engr. Musa vide his e-mail of 31 May 2007 has requested Messrs Moise Sonou and Mkhize to prepare a format of the questionnaire and present it at the Sacramento meeting.

Mr. Sonou vide his e-mail of 14 August 2007 has informed the Central Office that the questionnaire was circulated and the results were awaited. He has also indicated that a report would be ready by 10 September 2007 and will be tabled at the Sacramento meeting.

Mr. Sonou vide his e-mail of 25 September 2007 has sent the compiled questionnaire on LDCs-Africa to VPH Engr. I.K. Musa with a copy to the Central Office. He also informed that he will not be able to attend the Sacramento meeting and requested comments/ observation, if any. A copy of the questionnaire is attached for the information of the TF.

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SUPPLEMENTARY AGENDA NOTES FOR THE TWENTY-SEVENTH MEETING OF THE
PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)
Sacramento, USA
03 October 2007 : 09.00-12.00 hours (Session-I)
03 October 2007 : 14.00-17.00 hours (Session-II)

Item 2 : Membership of the Committee

2.1 The following nominations have been received for Committee's membership:

- Mr. S.K. Sinha (India)
- Dr. Nikolay G. Kovalev (Russia)
- Mr. Hasan B. Yüksel (Turkey) – *deferred last year due to the absence of the nominee.*

The CVs of the nominees are placed at **Annex 1**.

2.2 Attendance chart of the members at the PCTA meetings in 2005 and 2006 is placed at **Annex 2**.

Item 3 : Composition of Workbodies

3.1 New membership proposals for Working Groups

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

Dr. Lee, Yong-Jig (Korea)

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

Mr. Teoh Weng Chaw (Malaysia) in place of Ir. Mohd. Azhari bin Ghazalli

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

Prof. Dr. Daniele De Wrachien (Italy) withdrew his nomination vide e-mail dated 10 September 2007.

Item 5 : Consideration of reports of Chairs of Workbodies followed by those of respective Theme Leaders

5.2.6 Synthesis and recommendations by Theme Leader on Systems (ST.S)

The CV of Mr. François Brelle (France) in place of Mr. François Onimus for the position of Deputy Theme Leader on 'Systems' is placed at **Annex 3**.

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

Highlights

The 57th IEC (KL, Malaysia) had recommended that the position paper on "*The Management of Riverine Flood Risk*" be circulated to the ICID National Committees once again and based on their responses, it should be touched up, to be considered as an ICID Position Paper at the 58th IEC meeting at Sacramento. PCTA may accordingly peruse the revised paper and recommend to IEC for adoption or otherwise.

5.3.6 Synthesis and recommendations by Theme Leader on Basin (ST.B)

The CV of Mr. Makonnen Loulseged Kifle (Ethiopia) received for the position of Deputy Theme Leader on 'Basin' is placed at **Annex 4**.

5.4.4 Synthesis and recommendations by Theme Leader on On-Farm (ST.OF)

A synthesis report by Strategy Theme Leader on On-Farm, VPH Dr. S. Nairizi is placed at **Annex 5**.

Item 10 : Any other business

It was proposed to bring out a publication on "Innovative Technologies and Management for Water Saving in Agriculture" based on case studies of successes compiled from the WatSave Award winning papers. The compilation of the papers has been completed. However, in order to enhance the value of the publication, it is felt that some additional input and supplementary information (such as acknowledgement of Panel of Judges for each year, summarizing comments of the Chairs of the Panels made before declaration of the Awards) be added in due consultation with PCTA and past Chairs of Panels. The publication will be printed soon after the required information is added.

A CD-ROM has been published compiling the reports of the ICID Task Forces (TF1 to TF5) constituted for providing ICID inputs to the World Water Forum-3 held in 2003 in Japan. Some of the results of the TFs were also used as ICID inputs for WWF-4. A few copies of the CD-ROM will be available at the Committee meeting. Interested members can write to Central Office, if they require a copy. The TF reports are already posted on ICID website.

This is for information of the Committee.

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SUPPLEMENTARY AGENDA NOTES FOR THE TENTH MEETING OF THE
WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)
Sacramento, Malaysia
30 September 2007 : 09.00-12.00 hours
Strategy Theme : Knowledge

Item 3 : Membership Review of the Working Group

Curriculum vitae of Mr. C.M. Pandit (India) and Dr. Na, Jeong-Woo (Korea) are attached for considering their nomination for membership.

Attendance of members at the meetings of the Working Group in 2005 and 2006 is attached. The Working Group may consider for making any addition(s) in view of individual's contribution to its activities.

Item 7 : Progress on Publishing History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean

Prof. Dr. Ricardo Segura, Vice President Hon., ICID and Member, WG-HIST has sent an updated version of the publication on "History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean" and informed that the text could be considered as a final one unless there are new comments or suggestions to add. The entire text has been placed on CD (three copies) for disseminating amongst the members, WG-HIST for their consideration/deliberations during the WG-HIST meeting and taking up appropriate action for its publication.

Note : President Hon. Bart Schultz (The Netherlands) vide his e-mail dated 16 August 2007 informed that the Chinese version of their History book "Man-made Lowlands, History of Water Management and Land Reclamation of The Netherlands" would be ready before the meetings in Sacramento and would be able to present a copy during the time of the meeting of the WG-HIST.

Request has been made to submit a copy of the book during the time of the meeting so as to take up the matter for consideration in WG-HIST.

SUPPLEMENTARY AGENDA NOTES FOR THE TENTH MEETING OF THE
WORKING GROUP ON Irrigation Under Drought and Water Scarcity (WG-IADWS)
Sacramento, USA
30 September 2007 : 09.00-12.00 hours
Strategy Theme : Basin

Item 2 : Review of the membership of the Working Group

Attendance chart of the members at the meetings of the WG-IADWS during 2005 and 2006 is attached as **Annex 1**.

Item 4 : Compilation of the 'General Questionnaire on the Water Status of ICID member countries'

Prof. Chang-Chi Cheng (Chinese Taipei) has submitted (23 July 2007) the 'General Questionnaire' to Chairman with copy to Dr. A. Sabetraftar (Iran) for further compilation.

Item 7.1 : Workshop (Internal) of WG-IADWS (2007)

Annex 2

Sub-Theme 4 & 5 : Investigate the application of long term weather forecasting for drought prediction and economic viability of drought early warning systems and Investigate and report on suitable technologies and agro-irrigation practices for the utilization of non-

**conventional water resources under conditions of drought and water scarcity
(Coordinator : Dr. Ragab Ragab, UK in cooperation with Dr. Hussein El Atfy, Egypt)**

Dr. Ragab Ragab and Dr. Hussein El Atfy have submitted (29 August 2007) their revised reports to Chairman for consideration. The following reports are available in the **CD-ROM** :

- (i) The Experience of the Nile Water Forecast in Managing Floods and Setting Strategies for Knowledge Dissemination (Dr. Hussein El-Atfy and Dr. Ragab Ragab)
- (ii) Water Saving and Use of Non-Conventional Water Sources in the Mediterranean Region and the Middle (Dr. Hussein El-Atfy, Dr. Atef Hamdy and Dr. Ragab)
- (iii) Water Management Strategies to Combat Drought (Dr. Ragab Ragab, Dr. Hussein El-Atfy and Dr. Atef Hamdy)

Dr. Ragab proposed (11 September 2007) to include these three papers together (3parts) as a chapter, which could be titled as Extreme events: Flood and Drought impact and solutions to combat water shortage.

SUPPLEMENTARY AGENDA NOTES FOR THE TWENTY-FIFTH MEETING OF THE
WORKING GROUP ON DRAINAGE (WG-DRG)
Sacramento, USA
30 September 2007: 09.00-12.00 hours
Theme: Systems

Item 2 : To review membership of the Working Group

CVs of following nominations are placed below –

(a) New nominations

- Mr. Bernard Vincent in place of Dr. Sami Bouarfa (France)
- Mr. Anzelm Carl Albertovich (Kazakhstan)

(b) Deferred nominations

- Dr. Gurbachan Singh to replace Mr. S.K. Das/ Mr. M.K. Sharma (India)
- Mr. Ahmed Mohammad Aziz (Iraq)

SUPPLEMENTARY AGENDA NOTES FOR THE TENTH MEETING OF THE
WORKING GROUP ON COORDINATION OF DICTIONARIES (WG-CD)
Sacramento, USA
30 September 2007 : 14.00-17.00 hours
Strategy Theme: Knowledge

A. CONTINUING ITEMS

Item 2 : Status of revision and publication of MTD (CD-ROM)

Out of the 24 Chapters of MTD 2002 marked for revision by various experts, the Central Office has received suggestions / additions / deletions / modifications on 20 Chapters, out of which 18 Chapters have been further reviewed by the Editorial Committee and two Chapters are under revision. In addition to the above, newly added Chapter XXV (Climate Change) has also been reviewed by the EC.

Seventeen Chapters have been sent to Chair, marking the final modifications in track mode in each Chapter for facilitating the French translation. The Chair will apprise on this count.

A revised status of revision of MTD Chapters is given in **Annex**.

SUPPLEMENTARY AGENDA NOTES FOR THE SECOND MEETING OF THE
WORKING GROUP ON GLOBAL CLIMATE CHANGE AND IRRIGATION (WG-CLIMATE)
Sacramento, USA
30 September 2007: 14.00-17.00 hours

Item 2 : Review of membership

CVs of following nominations are placed below –

2.1 New nominations

- Dr. Edward Keith Weatherhead (Great Britain)
- Prof. Yuansheng Pei (China)
- Mr. Kim Russell (Australia)
- Ms. Nurgül Üzücek (Turkey)
- Dr. Juan Antonio Rodríguez-Díaz (Spain)

2.2 Past nominations

- Dr. Rolu Encarnacion y Pascua (Philippines)
- Dr. Krishna Kumar Kanikicharla (India)
- Ir. C.W.J. Roest (The Netherlands)
- Dr. Andre Musy (Canada)

- Dr. Rolu P. Encarnacion (Philippines) vide his e-mail of 10 August 2007 informed the Central Office that he will not be able to attend the Sacramento meeting due to financial constraint.
- Prof. Dr. Daniele De Wrachien (Italy) vide his e-mail of 10 September 2007 informed the Central Office that he would like to defer joining the membership of the WG.

SUPPLEMENTARY AGENDA NOTES FOR THE TWELTH CLOSING DOWN MEETING OF THE
WORKING GROUP ON CAPACITY BUILDING, TRAINING AND EDUCATION (WG-CBTE)
Sacramento, USA
30 September 2007 : 14.00-17.00 hours
Strategy Theme : Systems

Note: The Japanese National Committee of ICID (JNC-ICID) has informed that the WG-CBTE Member Prof. Dr. Masayoshi Satoh (Japan) would be represented by Prof. Dr. Takeshi Hata, Member, WG-CAFM and TF-IBWT in the 12th closing down meeting of the Group.

Even though, the 12th meeting is a closing down meeting of WG-CBTE, the attendance sheet of the members at the meetings of the Working Group in 2005 and 2006 is attached for consideration.

Item 3 : Development and launching of WG-CBTE website

Prof. Tom Franks, Chairman, WG-CBTE suggested the following modifications on the WG-CBTE website :

- Delete the two web pages containing 'Activities' and 'Publications'

- Update the pages `Agendas` and `Minutes` appropriately.

The above suggested changes have been carried out on the web pages of the WG-CBTE website.

Further modifications, if any, are there to incorporate may consider and suggest.

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<p style="text-align: center;">SUPPLEMENTARY AGENDA NOTES FOR THE SIXTEENTH MEETING OF THE COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P) Sacramento, Malaysia 1 October 2007 : 09.00-12.00 hours <i>Strategy Theme : Knowledge</i></p>

Item 3 : Review of membership of the Committee

Attendance of members at the meetings of the Committee in 2005 and 2006 is attached. The Committee may consider for making any addition(s) in view of individual's contribution to its activities.

Item 4.2 : ICID Publications under processing

Mr. B.S. Ahuja, Member of C-PR&P commented for agenda item 4.2 on `ICID Publications under processing`. He intimated to incorporate the comments/modifications provided on the draft report of TF-IBWT on "Inter Basin Water Transfers : Worldwide Experiences – Analyses and Recommendations" vide letter No. WAP/INCID/IBWT-TF/07 dated July 2007.

The comments received from various National Committees including India have been incorporated in the draft report of TF-IBWT prior to its circulation amongst the TF-IBWT members/permanent observers for their consideration.

Item 5.2 : Sale of ICID Congress Transactions

Mr. B.S. Ahuja, Member of C-PR&P suggested that procedure for resource generation through the sale of ICID publications needs to be improved. Present cost of publication being high, their sale is not encouraging. If the cost of publishing and printing is reduced, it may be possible to increase sale with reduced prices. Also, publishing these in local languages may also result in wider dissemination and better sales in member countries. For increase in sales, efforts for its procurement by the Libraries of the member-countries through National Committees could be considered. Same also applies to the ICID Journal. If its present contents of highly technical articles/papers are supplemented with case studies, reports and articles of interest to farmers or user groups, these could be sold at competitive prices in various countries of the World. It is felt that cost of printing and processing ICID Journal for distribution amongst National Committees could be reduced if the Journal is printed locally in developing countries.

Advertisements could be one source of income, but needs to be implemented with adequate care. Efforts to procure advertisements for ICID publications and events from Corporate firms and manufacturers of equipment engaged in irrigation, drainage and allied fields for ICID Journal and also for Proceedings will help in resource generation for ICID. Also, bringing out souvenirs at the time of each IEC meeting or events, where advertisements from Firms and Industries dealing with design, consultancy and manufacture of equipments etc. could be considered.

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SUPPLEMENTARY AGENDA NOTES FOR THE SIXTH MEETING OF THE
WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)
Sacramento, USA
01 October 2007: 09:00-12:00 hours
Strategy Theme : Basin

Item 2 : Review of the Membership

In view of keen interest shown (13 August 2007) by Dr. Ruey-Chy Kao from Chinese Taipei of ICID, Chairman has informed (15 August 2007) Dr. Kao about the preparation of handbook and position paper on SDTA. Chairman invited him to contribute to the WG activities in following way :

- Support to Chapter edition or authoring subchapter (s) of the Handbook.
- Review the results of Chapter edition (Chapter 4, as discussed in Seoul meeting, last July).
- Presentation in the 6th Workshop on SDTA (4th October, 2007).

The Malaysian National Committee on Irrigation and Drainage (MANCID) has nominated (14 September 2007) Mr. Teoh Weng Chaw (Malaysia) in place of Ir. Mohad Azhari Ghazalli for the membership of the WG. Mr. Chaw's CV will be placed for the consideration during the WG meeting.

Attendance chart of the members at the meetings of the WG-SDTA during 2005 and 2006 is attached as **Annex 7**.

Item 4.2(c) : ICID Position paper on 'Sustainable Development of Tidal Areas'

The position paper has since been prepared by WG during the interim meeting held in July 2007 in Korea, the circulated among the WG members for comments/suggestions. The final draft (post Sacramento meetings) will be circulated to all NCs for comments/suggestions, before placing it for IEC endorsement at Lahore meeting in 2008.

The Draft position paper on 'Sustainable Development of Tidal Areas' is available in **Annex 8** for ready reference.

Item 6(a) : An Interim meeting of WG-SDTA

During the interim meeting of the WG-SDTA held in July 2007 at Korea, the WG leaders developed a questionnaire for consideration of WG members, while working on their respective chapters. The questionnaire is available at **Annex 9**.

Item 6(b) : The draft minutes of the interim meeting have been prepared by Chairman and circulated (17 July 2007) among the members. The minutes are placed at Annex 10 for ready reference.

Item 6(c) : Chairman requested (31 July 2007) the WG members to prepare a 1-2 page summary of the respective chapters for presentation during the workshop at Sacramento. Further, he requested (9 September 2007) WG members (Chapter editors) to upload 2-3 page summary of the concerned chapters in the website (<http://www.webhard.co.hr>) by 15 September 2007. Similarly revised chapters and sub-chapter descriptions alongwith case studies also have to be uploaded on the same website by 20 September 2007.

Chairman may apprise the members.

SUPPLEMENTARY AGENDA NOTES FOR THE FIRST MEETING OF THE
WORKING GROUP ON MODERNIZATION OF IRRIGATION SERVICES (WG-MIS)
Sacramento, USA
01 October 2007: 09:00-12:00 hours
Strategy Theme: Systems

Mr. François Brelle (France) has kindly agreed to conduct the first meeting of the WG-MIS.

Item 2 : Membership of the WG

CVs of following nominations are placed below -

- Mr. François Brelle in place of Mr. Francois Onimus (France)
- Mr. Sezar Ercan in place of Mr. M. Gunduzalp Dikmeneoglu (Turkey)
- Dr. Illahi B. Shaikh (Pakistan)
- Dr. Ashwani Kumar (India)
- Ms. Marina Pintar (Slovenia)
- Prof. Filali B. Abdelwahab (Morocco)

CV of Dr. Ian Makin, who has replaced Dr. M. Burton (UK), is yet to be received.

The U.S. Committee on Irrigation and Drainage (USCID) has proposed to continue the membership of Mr. Thomas Mitchel for the new working group i.e. WG-MIS.

The Korean National Committee (KCID) vide its e-mail of 9 August 2007 has proposed the nomination of Dr. Lee, Yong-Jig in place of Dr. Huh Yoo-Man for the WG-MIS. CV of Dr. Lee is placed below for consideration.

The Spain National Committee (CERYD) vide its e-mail of 16 July 2007 has informed the Central Office that they will propose a suitable professional for the membership of WG-MIS from the General Directorate of Rural Development, MAPA. Response from CERYD towards nomination is awaited.

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SUPPLEMENTARY AGENDA NOTES FOR THE TENTH MEETING OF THE
WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)
Sacramento, USA
01 October 2007: 09.00-12.00 hours
Theme: On-Farm

Item 2 : Tenure and review of membership of the Working Group

2.2 Membership

CV of Mr. Tauipbaev Sultanbek Tauipbaevich (Kazakhstan) is placed below.

Item 3 : To review the progress in preparation of documents

3.2 Manual on “Performance Evaluation of Sprinkler and Drip Irrigation Systems”

A final draft version (both in soft and hard copy) of the manual on “Performance Evaluation of Sprinkler and Drip Irrigation Systems” as prepared by the Central Office will be circulated in the meeting. After receiving comments/ observations, if any, the document will be printed for its wide circulation.

3.4 A paper on “Promoting Small Scale Micro Irrigation Technologies”

Prof. Y. Nakano (Japan) vide his e-mail of 24 September 2007 has sent the draft report on “Micro Irrigation for smallholders and greenhouse” to the Central Office with a copy to the Chairman, WG-ON-FARM. A copy of the draft report is attached for the consideration of the WG. The group may like to review the report and suggest comments/ observations and further steps towards printing of the report.

Item 5 : Survey of World-wide Usage of Micro and Sprinkler Irrigation

5.1 Datasheet on Sprinkler and Micro Irrigated Area in ICID member countries

An updated data of the micro and sprinkler irrigated areas as received from national committees is kept as **Annex**.

5.2 Survey of World-wide Usage of Sprinkler and Micro Irrigation

A hard copy of the simplified version of the questionnaire “Survey of World-wide Usage of Sprinkler and Micro Irrigation” is placed below.

Item 9 : Upgrading/ modernization of surface irrigation systems

Dr. José A. Ortiz Fdz.-Urrutia (Spain) vide his e-mails of 31 & 27 August 2007 to the Central Office has provided an elaborate feedback/ observations related to ‘automation of surface irrigation’ and an excerpts of those is given below;

- “It is observed that manufacturers of irrigation material and equipments focus are mostly engaged in developing and promoting sophisticated (and expensive) technologies and materials for pressure irrigation (sprinkler and M.I.), whereas no attention (also in Spain) is given to the research and development of equipments specifically aimed to automate surface irrigation, easy to be operated by ordinary farmers, cheaper, highly efficient and water saving (in sound field conditions) and by far less energy consuming than any other pressure irrigation method.
 - On the other hand all surface irrigation equipments that I really know and have used with good results in the field-, were imported from the US (gated pipes, surge flow valves, siphons). For years I both encouraged (from my Agronomy Department at the Tagus River Basin Confederation) and personally performed, field demonstrations to convince the farmers to adopt these irrigation technologies in their farms. Unfortunately our efforts had little success due to lacking of any background with strong commercial interest. At that time, probably the US manufacturers of these equipments didn’t see in Spain an attractive market to establish commercial links to sell their products in this country.
 - But the fact that, in this field, there are two opposite interests: on the one hand there are the strong manufacturers of irrigation materials for sprinkler and M.I. systems, to whom it is more profitable to sell expensive equipments (solid set or sprinkler irrigation machines, or M.I. materials of any kind) than to devote attention and invest in research to invent and manufacture equipments to automate surface irrigation in areas traditionally irrigated by gravity, probably because such equipments are relatively cheaper and will pay less profit; on the other hand, there are large number of farmers (mainly small), who pay their modernisation works and purchase (and later pay off), frequently too expensive material and would like to explore an opportunity to irrigate their fields with cheaper equipments, easy to operate and maintain, and readily available in the market.
 - Undoubtedly, the convenience of modern irrigation systems to the farmers, along with their ease in installation, and adaptability to practically all soil and topography conditions fascinate the farmers to buy and install them. Most farmers ignore the important aspects as regards their price, the energy requirements, cost and the availability of a quick and reliable repair service (essential due to their high technical complexity).
 - Since the solution is not easy, due to various economical reasons, it would be desirable that aid institutions and governments, directly or indirectly responsible for financing new irrigation schemes or modernising the existing ones, kept informed/ made aware of their role to control the equipments/materials to be installed in order to impartially advise the farmers on the irrigation system and materials that most suits them, so as to channel the finance assistance preferably to those equipments that provide a guaranteed quality and comply with international standards, and benefit more farmers (in price, operation and maintenance costs), particularly in developing countries.
 - Through our ICID WG-ON-FARM there might be a certain possibility, probably the only effective global way to let know the farmers/irrigators, in particular in developing countries, the benefits of using good automated surface irrigation equipments. If persuaded, the farmers themselves can create a demand of such products that might prompt the manufacturers to devote more attention to this expandable market.
 - First step to start acting could be to make an inquiry among US (and other possible countries) manufacturers of automated equipments for surface irrigation, asking them to forward the most complete information on the performance features of the various and most advanced products/equipments they manufacture. That information, besides of being a good basis to drafting a first draft document for widely circulation among ICID National Committees and eventually to the final users, the farmers-irrigators, to make them aware of the technology.
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- Many other considerations could be kept in view to promote appropriate automated surface irrigation equipments wherever possible. ICID could play an important role in the world to wake up the interest for surface irrigation practices and technologies, apparently left aside so far."

The group may like to discuss and suggest further line of action.

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SUPPLEMENTARY AGENDA NOTES FOR THE TWENTYSECOND MEETING OF THE
WORKING GROUP ON COMPREHENSIVE APPROACHES TO FLOOD MANAGEMENT (WG-CAFM)
Sacramento, USA
01 October 2007 : 14.00-17.00 hours
Strategy Theme : Basin

Item 2 : Review of the Membership of the Working Group

Attendance chart of the members at the meetings of the WG-CAFM during 2005 and 2006 is attached as **Annex 1**.

Item 4 : ICID position paper on 'Flood Management'

The final draft of the position paper on '*The Management of Riverine Floods*' is available at **Annex 2** for ready reference which will be placed before 58th IEC for approval at Sacramento, USA.

Item 5.4 : New Working Group on 'Value Engineering'

Dr. Kamran Emami (Iran) has submitted (15 September 2007) a proposal to establish a new Working Group on 'Value Engineering' for consideration of the Working Group. The proposal is available at **Annex 3** for ready reference.

Item 7 : Any other business

- **3rd HEPEX Workshop**

Mr. Dick de Bruin, Chairman, WG-CAFM participated as an Observer in the 3rd HEPEX Workshop at Etresa, Italy. Chairman has submitted (25 July 2007) his observations (**Annex 4**) for consideration of the WG.

Chairman opined that HEPEX is mainly concentrating on science and statistics while the expected input from WMO was extremely inadequate. In view of above, Chairman feels that an active participation of ICID in actual HEPEX programme is not (yet) opportune.

Chairman may apprise the WG members.

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SUPPLEMENTARY AGENDA NOTES FOR THE FOURTEENTH MEETING OF THE
WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)
Sacramento, USA
01 October 2007: 14.00-17.00 hours
Theme: Systems

Dr. Hussein El-Atfy, Chairman has informed that due to his preoccupation in official business as the Head of Irrigation Department within the Ministry he would not be in a position to come Sacramento and has requested VP Dr. Mark Svendsen to Chair the meeting in his absence. VP Dr. Svendsen will also represent USCID in the meeting.

Owing to medical situation PH John Hennessy will not be able to join Sacramento meeting.

Item 1 : Tenure and review of membership of the working group

1.2 Review of the membership

CVs of following nominations are placed below -

- Dr. Yuanhua Li in place of Prof. Kaipeng Jiang (China)
- Mr. Shakibaev Ilan Isataevich (Kazakhstan)

Dr. Chen Zhijun (FAO) vide his e-mail of 11 August 2007 has informed the Central Office that he will not be able to attend the 14th meeting of the WG-WATS but would actively contribute to the activities of the workbody.

Item 2 : Publication of the 'WatSave Scenario' document

A draft final version of the document "Innovative Technologies and Management for Water Saving in Agriculture" will be circulated in the meeting. The document is being further refined.

The committee may also wish to suggest the composition of the Editorial Team for recommendation by PCTA in IEC.

Item 3 : WatSave awards: Winners of 2006 and presentation of 2007 awards

3.3 Sponsorship of WatSave awards

The US National Committee (USCID) has kindly agreed to sponsor the WatSave Award money for the year 2007 and released a sum of US\$4,000.

Item 8 : Any other business

VP Dr. Mark Svendsen in his e-mail of 20 June 2007 to Secretary General has raised some observations/comments towards the submissions for the WatSave Awards. He has expressed his deep concern as how to improve the quality of one of the important tools ICID has of encouraging and recognizing significant innovations in water management.

A gist of Dr. Svendsen's observations is given below;

"The purpose and spirit behind ICID WatSave awards were as follows;

1. The awards are intended to relate to particular activities or related sets of activities and not to highlight the overall professional accomplishments of an individual or any particular group.
2. The awards are not intended to acknowledge research studies, per se, but rather to recognize accomplishments in actually saving water. Savings can be on a pilot scale or over a larger area, but they must have been introduced in the field to farmers or managers and applied by them, rather than remaining purely hypothetical.

It seems that, we are not communicating sufficiently to applicants what we are expecting and looking for. In that sense we are not being fair to them. The prevailing information available on the announcement is inadequate to prepare a sound proposal, relative to the criteria we subsequently apply for its evaluation. We, therefore, need to do several things.

1. Clarify the nature of the achievement we are seeking to recognize, i.e. research studies or actual in-field implementations. Then revise and clarify the evaluation criteria accordingly.
 2. Provide examples of submissions that we feel are sound examples, as we do in Congress 'Call for Papers'.
 3. Develop a slightly more structured format for submissions. This wouldn't specify fonts, and heading styles, and so on as for conference papers, but would simply pose a set of 4 or 5 questions that should be addressed in each submission. Obviously these should be keyed to the evaluation criteria being used."
-

VP Dr. Mark Svendsen has volunteered to discuss these issues further.

The group will discuss and provide views/ recommendations to PCTA.

SUPPLEMENTARY AGENDA NOTES FOR THE TWELFTH MEETING OF THE
WORKING GROUP ON USE OF POOR QUALITY WATER FOR IRRIGATION (WG-PQW)
Sacramento, USA
01 October 2007: 14.00-17.00 hours
Theme: On-Farm

Item 2 : Review of tenure and membership of the Working Group

2.2 Membership

CVs of following nominations are placed below –

New nominations

- Dr. Jinzhong Yang in place of Dr. Gao Zhanyi (China)
- Mr. Bekbayev Ussen (Kazakhstan)

Past nominations

- Dr. Paramjit Singh Minhas in place of Dr. R.K. Singhania/ N.K. Tyagi (India)
- Mr. Maghmoom Muhammad Iqbal in place of Mr. Ramzan Chaudhry (Pakistan)

SUPPLEMENTARY AGENDA NOTES FOR THE SECOND COMBINED MEETING OF THE
**IPTRID ADVISORY COMMITTEE (AC-IPTRID) AND WORKING GROUP ON
RESEARCH AND DEVELOPMENT (WG-R&D)**
Sacramento, Malaysia
2 October 2007 : 09.00-12.00 hours
Strategy Theme : Knowledge

Item 3 : Review of the Membership

Attendance of members at the meetings of the Working Group in 2005 and 2006 is attached. The Working Group may consider for making any addition(s) in view of individual's contribution to its activities.

Item 10 : Any other business

A concept note on the proposed Asian Drainage Center for Semi and Arid Region addressed to Dr. Carlos Garces-Restrepo (Italy), Programme Manager, IPTRID as received from Vice President Karim Shiati, Chairman, ASRWG is attached for consideration of merger Group.

SUPPLEMENTARY AGENDA NOTES FOR THE TWENTY-SECOND MEETING-CUM-WORKSHOP OF THE
**WORKING GROUP ON ENVIRONMENTAL IMPACTS OF IRRIGATION,
DRAINAGE AND FLOOD CONTROL PROJECTS (WG-ENV)**

Sacramento, USA

02 October 2007 : 09.00-12.00 hours

Strategy Theme : Basin

Item 3 : To review the membership of the WG-ENV

Curriculum vitae of Mr. Ahmed M. Aziz (Iraq) and Mr. C.K. Agrawal (India) are attached for considering their nomination for membership.

Attendance of members at the meetings of the Working Group in 2005 and 2006 is attached. The Working Group may consider for making any addition(s) in view of individual's contribution to its activities.

Mr. C.K. Agrawal nominated member of Indian National Committee of ICID (INCID) has suggested the following points (vide his e-mail dated 5 September 2007) for the agenda items as detailed below:

Item 4.2 : Methane Flux from Irrigated Wetland Rice Fields: The Effect of Water Management and Rice Variety

It is obvious that the projected climate change resulting in warming, sea level rise and melting glaciers will adversely affect the water balance in different parts of India and quality of ground water along the coastal plains. Climate change is likely to affect groundwater due to changes in precipitation and evapo-transpiration. Rising sea levels may lead to increased saline intrusion into coastal and island aquifers, while increased frequency and severity of floods may affect groundwater quality in alluvial aquifers. Increased rainfall intensity may lead to higher runoff and possibly reduced recharge.

The studies on climate change undertaken so far have revealed that action is essential in order to prevent long-term damage to India's water cycle. The livelihood of a vast population in India depends on agriculture, forestry, wetlands and fisheries and land use in these areas is strongly influenced by water based eco-systems that depend on monsoon rains. Changes to the water cycle may also cause an increase in water borne diseases such as cholera and hepatitis, as well as diseases carried by insects such as malaria.

India is a signatory to Kyoto Protocol. Recently, Government of India has constituted a coordination Committee chaired by the Prime Minister called "Prime Minister's Council on Climate Change" to coordinate national action for assessment, adaptation and mitigation of climate change. The focus of the Committee is to:

- (i) Evolve a coordinated response to issues related to climate change at the national level;
- (ii) Provide oversight for formulation of action plans in the area of assessment, adaptation and mitigation of climate change; and
- (iii) Periodically monitor key policy decisions.

The Government has also set up an "Expert Committee on Impacts of Climate Change" in May, 2007 to study the impacts of anthropogenic climate change on India and to identify the measures to be taken in the future in relation to addressing vulnerability to anthropogenic climate change impacts

Item 5 : Impacts of Water Projects on Human Health in Rural Areas

Questionnaire for filling the impacts of water projects on human health in rural areas is not available. Request made to ICID Central Office for the same. After its receipts comments would be sent separately.

Note : The Central Office again sent a request to Mr. Mohammed Kazem Siah (Iran), Member, WG-ENV for forwarding an electronic version of the questionnaire vide e-mail dated 10 September 2007. The response is still awaited.

Item 6.1 : Environmental Cost and Benefits of Irrigation Scheme Involving Large Dams and Solutions for Mitigating Negative Impacts

In India, it has been made mandatory for all major irrigation, multi-purpose and flood control projects to get clearance from environmental angle. The detailed project report in respect of each project is required to furnish information on Environmental Impact Assessment (EIA) Studies, Environmental Impact statements, Environmental Management Plans (EMP), etc. In this regard, certain environmental safeguards have been stipulated, which need to be implemented along with the construction activities. Some of the safeguards stipulated include master plan for rehabilitation of the oustees, Compensatory afforestation, restoration of construction areas, identification of critically eroded areas for soil conservation work, alternatives in case of adverse effect on flora and fauna, wildlife, etc. command area development, etc. The cost towards implementing these safeguards forms the Environmental cost of the project. There is no mechanism for working out environmental benefits from the project. However, benefits from irrigation schemes involving large dams are accounted from cost-benefit analysis.

The implementation of the environmental safeguards is required to be carried by the project authorities in coordination with other concerned departments viz., Environment, Forest, Welfare, Agriculture, Health, etc. A three tier monitoring mechanism exists in the country for implementation of environmental safeguards, viz. at project level, at State level and at National level.

SUPPLEMENTARY AGENDA NOTES FOR THE FOURTEENTH MEETING OF THE
ICID JOURNAL EDITORIAL BOARD (EB-JOUR)
Sacramento, USA
02 October 2007: 14.00-17.00 hours

Item 2 : Review of membership of the Editorial Board

Dr. Maria Elisa Venezian Scarascia, General Secretary, ITAL-ICID informed (18 July 2007) that Prof. Daniele De Wrachien (Italy) will continue to represent ITAL-ICID in EB-Journal.

Dr. Muhammad Latif (Pakistan) has informed (24 July 2007) that he will continue his membership in the EB-Journal beyond 2007.

Prof. E.U. Nwa (Nigeria) informed (11 August 2007) that he can no longer continue his membership of the EB-Journal.

Attendance chart of the members at the meetings of the EB-Journal during 2005 and 2006 is attached as **Annex 1**.

Item 5 : Distribution of the Journal among the ICID membership

• **ICID Journal (online) to Young Professionals**

Under the category of young professionals, ten more nominations have been added (3 August 2007) for 'online' access only.

SUPPLEMENTARY AGENDA NOTES FOR THE TENTH MEETING OF THE
WORKING GROUP ON SOCIO-ECONOMIC IMPACTS AND POLICY ISSUES (WG-SOCIO)
Sacramento, USA
02 October 2007: 14.00-17.00 hours
Theme: Systems

Item 2 : Tenure and membership of the Working Group

2.2 Membership

CV of Dr. Han Zhenzhong (China) is placed below.

Dr. (Ms) Anisa Divine, Secretary, WG-SOCIO vide her e-mail of 31 August 2007 informed the Central Office that her ankle was broken and therefore she will not be in a position to attend ICID meeting in Sacramento.

Item 6 : Workshop on 'Socio-economic Impacts of Institutional Options for Sustainable Water Management', at Sacramento

The Japanese National Committee (JNC-ICID) vide its e-mail of 7 September 2007 has informed the Central Office that Prof. Yohei SATO will participate in the 'Workshop on the Role of Irrigation on Poverty Alleviation and Livelihoods' scheduled to be held on 4 October 2007 at Sacramento.

SUPPLEMENTARY AGENDA NOTES FOR THE TWENTYFIRST MEETING OF THE
**WORKING GROUP ON SUSTAINABLE USE OF NATURAL RESOURCES FOR
CROP PRODUCTION (WG-CROP)**
Sacramento, USA
02 October 2007 : 14.00-17.00 hours
Strategy Theme : Basin

Item 2 : Review of the membership of the Working Group

Attendance chart of the members at the meetings of the WG-CROP during 2005 and 2006 is attached as **Annex 1**.

Item 4 : Interaction with ISO on Crops, Soils and Water Use related Terminology

Dr. Y. Nakano (Japan) has participated in the 20th meeting of ISO/TC 190 and submitted (19 September 2007) his brief report on the subject for consideration of the WG. The same is available at **Annex 2** for ready reference.

Item 5 : Review of progress on implementation of ICID Strategy on Vision

- 'Politics on genetically modified crops : Experience of different countries'

Dr. Y. Nakano (Japan) has submitted (19 September 2007) a document on the situation of 'GM crops in Asia' for the consideration of the WG. The same is available at **Annex 3** for ready reference.

SUPPLEMENTARY AGENDA NOTES FOR THE FIRST MEETING OF THE
TASK FORCE TO GUIDE ICID INPUTS TO WWF-5
Sacramento, USA
01 October 2007 : 14.00-17.00 hours

Item 2 : Offers for contribution from ICID National Committees and Workbodies

A copy of the thematic framework for WWF-5 was sent by President Lee to Central Office, vide his e-mail dated 17 August 2007. This framework was released with the first announcement for WWF-5 in Stockholm in August.

Vide his e-mail of the same date, President Lee has provided his preliminary annotations on the thematic table, giving his ideas with regard to the topics to which ICID could contribute. Both the documents are attached.

SUPPLEMENTARY AGENDA NOTES FOR THE FOURTH MEETING OF THE
TASK FORCE ON INTER-BASIN WATER TRANSFERS (TF-IBWT)
Sacramento, USA
02 October 2007 : 09.00-12.00 hours

Item 2 : Review of the Membership

CV of Mr. A.D. Bhardwaj (India) is attached for considering his membership in TF-IBWT in place of Mr. R.K. Sharma.

Item 4 : Progress Achieved for Upgradation of Task Force Report

The 6th Draft Report of TF-IBWT has been circulated amongst members and permanent observers vide e-mail dated 31 August 2007 alongwith the attachment files and views of the Chairman of TF-IBWT as detailed below.

Files attached were :

- The minutes of the 3rd meeting of the ICID Task Force on Inter Basin Water Transfers (TF-IBWT) held at Kuala Lumpur, Malaysia on 12 September 2006
- The Agenda for the 4th meeting, Sacramento, USA, 2 October 2007
- The 6th draft of TF-IBWT Report

Views expressed by Chairman, TF-IBWT:

- Over the years, an impressive amount of data has been collected. I have the feeling that we now have so much information that conclusions can be drawn;
- The report has been adapted in such a way that three categories have been made :
 - Schemes exclusively for irrigation, drainage or flood management;
 - Multipurpose schemes with an irrigation, drainage or flood management component;
 - Schemes for other purposes.
- Schemes are ordered by Continent and by type of country, distinguished in developed, emerging and least developed countries;
- Chapters 5 and 6 are still very weak. I kindly request you to formulate texts that you would like to have included in these chapters;
- Please check the data for your own country.

During our meeting we discuss the report chapter by chapter, with a focus on chapters 3, 5 and 6.

Please take with you any recent information that you would like to present during the meeting.

I propose that after the meeting:

- We finalise the report in draft and mail it to the ICID National Committees for their final comments and approval;
- We prepare a brief paper for the ICID Newsletter issue 2007/4;
- The revised draft will be sent to a review committee for their comments;
- We finalise the report as an ICID publication and prepare a summarising paper for the ICID Journal;
- We request for a Special Session, I think of half a day, during the Congress in Lahore, Pakistan 2008, to present the publication in combination of presentations on interesting IBWT projects.

TF-IBWT may consider to deliberate on action points.

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SUPPLEMENTARY AGENDA NOTES FOR THE TWENTY EIGHTH MEETING OF THE
PERMANENT FINANCE COMMITTEE (PFC)
Sacramento, USA
30 September 2007: 14.00 – 17.00 hours

(see Agenda, Appendix XXXIII, pages A-201 to A-215)

Item 2 : To review the membership of the Committee

CVs of following nominée was placed in the meeting.

- (i) Chinese NC Dr. Gao Zhanyi

Item 3 : To consider the position of arrears of annual subscription and consequential remedial action

3.1 Arrears as on 31 August 2007: The position of arrears of active NCs excluding the current year 2007 is as follows:

Balance of arrears upto 31 March 2007	:	US\$ 55,368.16
Received upto 31 August 2007	:	US\$ 24,906.00
Balance of Arrears, at the end of August 2007	:	US\$ 30,462.16

Summary of Arrears

Particulars	Number of NCs	Total Amount US\$
NCs in arrears of balance subscription (Morocco)	1	221.52
NCs in arrears of one year or more (Lithuania, Kyrgyz Republic, Philippines, USA and Zambia)	5	21,520.64
NCs in arrears of two years (Republic of Macedonia, Nepal and Nigeria)	3	8,720.00
	9	30,462.16

The details of arrears as on 31 August 2007 are as per statement at **Annex A**.

3.2 Attention of these NCs has been again drawn in the month of August 2007.

Vide E-mail dated 26 August 2007 Engr. D.B. Madu (SG, NINCID) had assured CO that NINCID shall clear its arrears before the meeting of Sacramento or at the meeting.

3.3 Uruguay has shown interest in joining the ICID family. Formal membership application has been received from Uruguay which will be placed before IEC for consideration.

Item 7 : Forecast for the current financial year 2007-08

One lady employee of the Central Office has been reimbursed hospital charges in September 2007 amounting to about Rs.1,00,000/- in connection with the birth of her first child.

Item 8 : To consider and recommend to IEC the budget for the financial year 2008-09

The actual average exchange rate during the months of July and August 2007 was Rs.40.27 and Rs.40.51 respectively.

Item 11 : Any other business (with the permission of the Chair)

As approved by the Management Board at its 27th Meeting held at Cape Town in 2000, the Central Office had opened a US dollar account in India in October 2000 with Canara Bank, a Nationalized Bank of Government of India where a rupee account was already in operation for decades.

It is now felt that in addition to the US dollar account, another account in Euro is required to be opened in view of following reasons:

- (i) Continuously for the last 3 years, ICID has received much lower revenue in rupees against the subscription received in dollars due to weakening of US\$ against the Indian rupee.
- (ii) Almost all NCs in European Region have adopted Euro as their currency and have to pay a commission for conversion of Euro into dollars, to pay the subscription in dollars. This also causes inconvenience to them.
- (iii) Many NCs in other regions also, like Iran etc. prefer to remit subscription in Euro.
- (iv) If there is no Euro A/c, ICID has to get the currency converted twice if the subscriptions are received in Euro into the existing dollar account- first from Euro to dollars and later from dollars to rupees for day to day expenditure, thereby further losing some amount.

The other advantages of opening the new Account with Canara Bank are that-

- (a) No fresh permission from Reserve Bank of India (GOI) will be required.
- (b) It is situated very near the Central Office, hence easy to operate.
- (c) It is a Nationalized Bank of Government of India.
- (d) Even a zero-balance account in Euro can be opened.
- (e) Very less formalities are involved.

The new Euro Account will largely facilitate the ICID National Committees to directly remit the subscription amount in Euro. The dollar Account will remain operational for some time to see if there are any receipts in dollars. A decision to continue or close the dollar account will be taken later.

The matter will be put up to the Management Board for consideration and decision in its next meeting in Sacramento.

Annex A

**LIST OF ACTIVE NATIONAL COMMITTEES IN ARREARS
OF ANNUAL SUBSCRIPTION AS ON 31.8.2007**

Sr. No.	National Committees / Committee	Arrears in US \$		
		Upto 2005	For 2006	Total US \$
1.	Former Yugoslav Republic of Macedonia (2005-2006)	1395.00	1395.00	2790.00 ²
2.	Kyrgyz Republic (Balance 2005 and 2006)	1531.00	1770.00	3301.00 ²
3.	Lithuania (2006)	-	2570.00	2570.00 ¹
4.	Morocco (Balance 2005)	221.52	-	221.52 ¹
5.	Nepal (2005-2006)	1475.00	1475.00	2950.00 ²
6.	Nigeria (2005-2006)	1490.00	1490.00	2980.00 ²
7.	Philippines (Balance 2005 and 2006)	1299.64	2575.00	3874.64 ²
8.	USA (2006)	-	10485.00	10485.00 ¹
9.	Zambia (2006)	-	1290.00	1290.00 ¹
	TOTAL	7412.16	23050.00	30462.16

- Note:**
1. Arrears for one year or balance of the year
 2. Arrears exceeding for one year